

ENVIRONMENTAL
PROTECTION
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**PILOT STUDY RESULTS
ELECTRO-COATINGS, INC. FACILITY
1401 AND 1421 PARK AVENUE
EMERYVILLE, CALIFORNIA**

October 9, 1996

Prepared by

Geraghty & Miller, Inc.
1050 Marina Way South
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October 22, 1996
Project No. RC0304.002

Sumadhu Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

96 OCT 22 PM 2:28
ENVIRONMENTAL
PROTECTION

SUBJECT: Pilot Study Results, Electro-Coatings, Inc. Facility, 1401 and 1421 Park Avenue, Emeryville, California.

Dear Mr. Arigala and Ms. Hugo:

Attached is a copy of the report of the pilot test performed at the Electro-Coatings (ECI) facility referenced above. The objective of the pilot test was to evaluate in-situ remedial alternatives for the groundwater beneath the site. The pilot test report provides a description of the field activities and a discussion of the analytical data collected.

In brief, the results from both the molasses-injection and iron-treatment tests were very encouraging. Geraghty & Miller is preparing the risk assessment that will derive remedial goals for the soil and groundwater beneath the site that are protective of human health given the potential property uses. We anticipate that the risk assessment will be completed and forwarded to you during the second week of November.

After you have had an opportunity to review the pilot test report and the risk assessment, we would like to schedule a meeting between Geraghty & Miller, ECI, and both of you to discuss and outline the direction for the remedial program at this site.

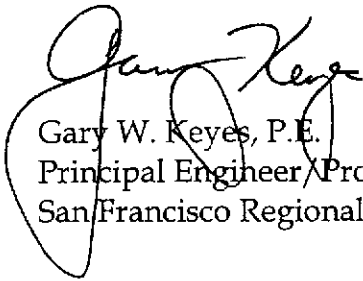


If you have any questions regarding the enclosed report, please do not hesitate to call.

Sincerely,
GERAGHTY & MILLER, INC.



Jeffrey W. Hawkins, R.G.
Senior Scientist



Gary W. Keyes, P.E.
Principal Engineer/Project Officer
San Francisco Regional Manager

Attachment: Attachment 1 - Pilot Study Results, Electro-Coatings Facility
(Geraghty & Miller, October 9, 1996)

cc: Judy Garvens, ECI (w/o attachment)



October 9, 1996
Project No. RC0304.002

Ms. Judy Garvens
Administrative Manager
Electro-Coatings Inc.
893 Carleton Street
Berkeley, California 94710

SUBJECT: Pilot Study Results, Electro-Coatings, Inc. Facility, 1401 and 1421 Park Avenue, Emeryville, California.

Dear Ms. Garvens:

This letter presents the results of the pilot studies performed by Geraghty & Miller at the Electro-Coatings, Inc. (ECI) facility referenced above. The common objective of these studies was to evaluate the potential for use of either of two innovative groundwater remediation techniques for the treatment of chromium and trichloroethylene (TCE) in groundwater beneath the site and site vicinity. One technique involves in-situ biological treatment; the other involves iron treatment.

The approach for the in-situ biological study was presented in the Geraghty & Miller work plan dated July 18, 1995, and discussed with the Regional Water Quality Control Board – San Francisco Bay Region (RWQCB) and the Alameda County Department of Environmental Health (ACDEH) in a meeting on July 14, 1995. The pilot study was subsequently amended to include a bench-scale study of the treatment effects of iron metal on the constituents in the groundwater. The results of these investigations show that both of the technologies have a substantial remediation effect. The results of the pilot studies and the findings of a risk assessment being prepared by Geraghty & Miller will be presented to and discussed with the RWQCB and ACDEH to identify an appropriate remediation program for the site.

BACKGROUND

SITE HISTORY

ECI purchased the plating facility at 1401 and 1421 Park Avenue, Emeryville, California, in 1963 from Industrial Hard Chrome Plating, which began operations at the site in



1952. ECI performed hard chrome plating at the site until 1989; ECI performed only nickel plating at the site from 1989 to 1995. TCE was used at the site for the degreasing of metal parts. 1,1,1-Trichloroethane (TCA) replaced TCE as a degreasing solvent in 1973. In 1992, the use of halogenated volatile organic compounds (HVOCs) was discontinued, and a liquid-alkaline soak process was used for metal degreasing. In April 1995, plating operations at the site were discontinued, and the plating equipment has since been removed.

In 1977, seven monitoring wells were installed on- and off-site and sampled for total and hexavalent chromium. Chromium was discovered in five of the seven wells. Between 1977 and 1983, a total of 24 monitoring wells were installed on- and off-site and sampled for total and hexavalent chromium. In 1985, 15 of the 24 wells were sampled and analyzed for HVOCs. The results of the 1985 sampling event indicated the presence of TCE in groundwater.

PILOT STUDY

ECI retained Geraghty & Miller in January 1995 to address the groundwater contamination issue. Geraghty & Miller recommended a groundwater remediation pilot study involving in-situ bioremediation of hexavalent chromium at the ECI facility in Emeryville. This in-situ biological process induces a change in the oxidation/reduction (redox) potential of the groundwater. A diluted molasses solution is introduced into the subsurface. Naturally occurring bacteria feed on the sugars and deplete the available dissolved oxygen (DO). Other potential electron acceptors (e.g., nitrate) are also depleted. The electrochemical environment is thereby reduced (negative redox potential) and hexavalent chromium is reduced to trivalent chromium. Trivalent chromium hydroxides and sulfides then precipitate out of solution to become an innocuous part of the soil matrix.

HVOCs are also affected by biologically induced reductive environments. Electron transfer to HVOC molecules by various groups of bacteria can dehalogenate and dealkylate TCE, with concomitant production of chlorides, ethylene, ethane, methane, and carbon dioxide. A primary objective of the pilot study was to evaluate whether the molasses injection would result in anaerobic biodegradation of the TCE concurrent with the in-situ treatment of the chromium.

Elemental iron represents an additional potential treatment technique for both of the constituents of concern in groundwater at the site. Zero-valence iron, under appropriate conditions, readily releases electrons to hexavalent chromium, reducing it to trivalent



chromium, which then forms trivalent-chromium sulfide and hydroxide precipitates. Iron also releases electrons to TCE, dehalogenating and dealkylating it to the above-mentioned products. The application of iron treatment to TCE and chromium at the site would consist of an in-situ remediation barrier technology: either a permeable reactive wall or a barrier-and-gate system utilizing iron powder or granules in the gates.

FIELD ACTIVITIES

WELL INSTALLATION

On August 18, 1995, Geraghty & Miller installed two observation wells (OW-1 and OW-2) downgradient of existing Well MW-11. The borings were drilled using 8-inch diameter hollow-stem auger drilling equipment. All equipment which entered the borehole was steam cleaned or washed in a solution of nonphosphate detergent and potable water and triple rinsed in potable water prior to drilling each boring. The boring was logged by a Geraghty & Miller representative using the Unified Soil Classification System. The exploratory boring logs are presented in Attachment 1. The observation wells were spaced approximately 10 feet apart, downgradient of Monitoring Well MW-11 (Figure 1).

Continuous-core soil samples were collected by advancing a 2-inch diameter California split-spoon sampler equipped with three brass sample liners into the undisturbed soil beyond the tip of the auger. The sampler was advanced a maximum of 18 inches into the soil using a 140-pound hammer with a 30-inch drop. A single soil sample, collected at 10 feet below ground surface (bgs) from the second boring, was retained for laboratory analysis. This soil sample for laboratory analysis was retained in a brass liner, sealed with Teflon™ tape and plastic end caps, and placed on ice. The soil sample, along with chain-of-custody documentation, was transported to Sequoia Analytical Laboratories (Sequoia), a State-certified analytical laboratory in Walnut Creek, California. The soil sample was analyzed for total chromium (USEPA Method 200.7) and hexavalent chromium (USEPA Method 7196).

At the completion of drilling activities, the borings were converted into groundwater observation wells (OW-1 and OW-2) using 2-inch diameter PVC casing and 0.010-inch screen. Well-completion details are included on the exploratory boring logs in Attachment 1. Soil and water generated during drilling activities were placed into 55-gallon DOT-approved drums and retained onsite for proper disposal by ECI.



In addition to observation wells, a drivepoint (DP-1) was installed upgradient of Well MW-10. The drivepoint was constructed of 1¼-inch diameter rigid pipe fitted with 6 feet of well screen and steel point. The total constructed length was 21 feet. Drivepoint DP-1 was driven to a depth of approximately 20 feet bgs, using the pneumatic down-action of the drill. The completion details are provided in Attachment 2.

GROUNDWATER SAMPLING

To establish background conditions, groundwater samples were collected from Wells MW-10, MW-11, MW-12, MW-3B, OW-1, and OW-2 on August 22, 1995, and analyzed for total chromium (USEPA Method 200.7); hexavalent chromium (USEPA Method 7196); HVOCs (USEPA Method 8010); and sulfate, nitrate, and nitrite (USEPA Method 300.0). Samples were also collected from selected wells and analyzed for biological oxygen demand (BOD), chemical oxygen demand (COD), and heterotrophic plate count (HPC). The analytical results are presented in Table 1. Copies of laboratory analytical reports and chain-of-custody documentation are included in Attachment 3.

Prior to sampling, each well was purged of a minimum of three casing volumes of water. Purged water was stored onsite in labelled 55-gallon drums for proper disposal by ECI. Groundwater samples were collected following purging using a new polyethylene bailer for each well. Groundwater samples were placed into the appropriate USEPA-approved containers, placed on ice, and transported to Sequoia along with appropriate chain-of-custody documentation.

IMPLEMENTATION OF THE PILOT STUDIES

MOLASSES INJECTION

Geraghty & Miller implemented on-site molasses solution injections into the subsurface on August 22, 1995. The solutions were mixtures of tap water and blackstrap molasses in volumetric ratios of water:molasses equal to 4:1 and 100:1 (Table 2). 50 gallons of 4:1 solution were injected with an air-operated, double-diaphragm pump into Drivepoint DP-1. 50 gallons of 100:1 solution were injected by gravity feed into Monitoring Well MW-11. An additional 50 gallons of 100:1 solution were injected by gravity feed into MW-11 each week through December 4, 1995.



On December 22, 1995, and January 4, January 19, and February 1, 1996, 150 gallons of a 20:1 biologically inoculated solution were injected by gravity feed into Well MW-11. On December 22, 1995, 150 gallons of a 20:1 solution were injected into by gravity feed Well OW-1 on a one-time-only basis. The injection well and five monitoring wells that comprise the well network for the pilot study were monitored weekly from August 22 to December 4, 1995, and biweekly from December 4, 1995, to February 16, 1996, to observe changes in DO, redox potential, temperature, and pH. DO and temperature were measured with a YSI Model 50B field-probe lowered into each well. The field-probe was rinsed in distilled water prior to each reading. Redox and pH parameters were measured with an Oakton pH/mV/°C meter using small samples bailed from approximately 20 feet bgs in each well. The field data are presented in Table 3.

On October 20, 1995, approximately 2 months after the initial molasses solution injection, samples were collected from all pilot study wells and submitted to Sequoia for analysis. The analytical results are presented in Table 1. Copies of laboratory analytical reports and chain-of-custody documentation are included in Attachment 3.

Four weeks after the December 22, 1995 molasses solution injections, significant changes in redox readings were observed in the downgradient observation wells. The readings persisted for an additional 2 weeks. On February 15, 1996, Geraghty & Miller collected groundwater samples for analysis by Sequoia. It was noted that, at the time of sampling, the redox readings had reverted to readings similar to those observed prior to December 22, 1995.

Pressure injections into Drivepoint DP-1 occurred on August 22, 1995; December 22, 1995; and February 16, 1996. 25 gallons of 4:1 solution, 115 gallons of 4:1 inoculated solution, and 100 gallons of 4:1 inoculated solution were injected, respectively. The inoculation utilized an anaerobic bacteria consortium.

An overview of these activities is presented graphically in Figure 1.

IRON TREATMENT

To provide a preliminary indication of the extent to which elemental iron is effective in the treatment of both HVOCs and hexavalent chromium, an initial field test was conducted on November 20, 1995. A geotextile fabric was impregnated with iron powder and wrapped around a 1-inch diameter well screen. The well screen was then lowered into Monitoring Well MW-16. Reductions in concentrations of hexavalent chromium, total chromium, and TCE



were observed based on the analytical results from the December 14 sampling event. Geraghty & Miller then implemented a series of bench-scale studies to assess optimal residence time and treatment effectiveness.

A bench-scale pilot study was designed to establish an appropriate residence time for the abiotic reductive dehalogenation of TCE and reduction of hexavalent chromium using iron treatment. Residence time is a measure of the time during which the affected groundwater remains in contact with the treatment medium (iron) and is a key design parameter affecting the design of a reactive wall or barrier-and-gate remediation technology using elemental iron.

Four 1½-inch diameter by 3-foot tall PVC reactors were constructed, fitted with sample ports, and plumbed in series. 5-micron cloth filtration media were installed at each end of the reactors to prevent iron from passing through the sample ports and into the sample container. Approximately 5 gallons of groundwater were collected from Monitoring Well MW-14 for the first two bench-scale studies and from Well MW-16 for the last two bench-scale studies. A variable-rate (0.5 gallon per day [gpd] maximum) metering pump (LMI Model 2141-151) was used to deliver a constant flow rate to the influent port of the first reactor. The system was allowed to reach equilibrium conditions; the system pump rate was then calibrated and adjusted to deliver a flow rate appropriate for the selected residence times. Samples were collected from the effluent sample ports of each reactor. These samples, along with unprocessed samples, were labelled, placed on ice, and submitted to Sequoia for analysis of total chromium (USEPA Method 200.7), hexavalent chromium (USEPA Method 7196), and HVOCs (USEPA Method 8010). Four independent iron pilot tests were performed and designated as follows: "Fe" (February 15, 1996), "FeB" (March 15, 1996), "FeD" (April 30 to May 1, 1996), and "FeE" (May 25, 1996). The results of the iron treatment tests are presented in Tables 4 through 7. Copies of laboratory analytical reports and chain-of-custody documentation are included in Attachment 4.

DATA ANALYSIS

MOLASSES INJECTION

Cumulative groundwater analytical data from the pilot study and from groundwater monitoring programs conducted at the site are presented in Table 1. The relevant data for examining the results of the molasses injection pilot study are those for the following wells:

- Well MW-11, the primary molasses solution gravity-feed injection point,



- Wells OW-1 and OW-2, observation wells downgradient of Well MW-11,
- Well MW-12, a monitoring well downgradient of MW-11, OW-1, and OW-2,
- Well MW-3B, a monitoring well down- and crossgradient of MW-11, and
- Well MW-10, a monitoring well downgradient of the molasses solution pressure injection point, Drivepoint DP-1.

Wells OW-1, OW-2, MW-12, and MW-3B are the wells associated with the molasses solution gravity-feed injection point, MW-11. Well MW-10 is the only well associated with the molasses solution pressure injection point, DP-1. Well MW-3A is a deep well (screened from 57 to 61 feet bgs), down- and crossgradient of Well MW-11; it was not measurably influenced by the pilot study injections. Well MW-3C is also down- and crossgradient of MW-11, but little recent groundwater data exists for it.

For the purpose of calculating the percent reductions in concentrations of chromium, hexavalent chromium, and TCE (except where otherwise noted), pre-injection concentrations in the molasses solution injection pilot study wells are the arithmetic means of the data values for all 1995 sampling events up through and including August 22, 1995. Pre-injection data, average values, and percent reductions are presented in Table 8.

Well MW-11, the molasses solution gravity-feed injection point, shows the following reductions in concentrations of the relevant analytes (as of February 16, 1996):

- Hexavalent chromium concentrations are reduced by greater than 99%.
- Total chromium concentrations are not reduced.
- TCE concentrations are reduced by greater than 94%.

Well OW-2, the nearest downgradient well from Well MW-11, shows the following reductions in concentrations of the relevant analytes (as of February 16, 1996):

- Hexavalent chromium concentrations are reduced by greater than 99%.
- Total chromium concentrations are reduced by 81%.
- TCE concentrations are reduced by 6%.

Well OW-1, the next downgradient well from MW-11 after OW-2, shows the following reductions in concentrations of the relevant analytes (as of February 16, 1996):

- Hexavalent chromium concentrations are reduced by greater than 99%.
- Total chromium concentrations are reduced by 75%.
- TCE concentrations are not reduced; they increased by 56%.



Well MW-12, the farthest downgradient well in the pilot study group from Well MW-11, shows the following reductions in concentrations of the relevant analytes (as of June 12, 1996):

- Hexavalent chromium concentrations are reduced by greater than 99%.
- Total chromium concentrations are reduced by 98%.
- TCE concentrations are reduced by 94%.

Well MW-3B, cross- and downgradient from MW-11, shows the following reductions in concentrations of the relevant analytes (as of February 16, 1996):

- Hexavalent chromium concentrations are reduced by 89%.
- Total chromium concentrations are reduced by 83%.
- TCE concentrations are reduced by 49%.

Well MW-10, downgradient from the molasses solution pressure injection point, DP-1, shows the following reductions in concentrations of the relevant analytes (as of May 9, 1996):

- Hexavalent chromium concentrations are reduced by greater than 99%.
- Total chromium concentrations are reduced by 86%.
- TCE concentrations are reduced by 58%.

All of the pilot study wells downgradient of MW-11 showed reductions in hexavalent chromium concentrations of more than 98%. The cross- and downgradient Well MW-3B showed an 86% reduction.

All of the wells in the pilot study group showed reductions in total chromium concentrations of at least 75%, with the exception of MW-11 itself.

Well MW-10, downgradient of DP-1, showed reductions in hexavalent and total chromium concentrations of greater than 99% and 86%, respectively.

Well MW-11, the molasses solution gravity-feed injection well, showed TCE concentration reductions of 94%. Well MW-12, the most distant well in the MW-11 pilot study group and also included in the current schedule of quarterly groundwater monitoring, showed a reduction in TCE concentrations of 94% in the most recent sampling event (June 12, 1996). Well MW-3B showed a reduction in TCE concentrations of 49% (February 16, 1996), which is down from a reduction of 93% (October 20, 1995).



The reductions in TCE concentrations in Well MW-10, downgradient of DP-1, decreased from 96% (October 20, 1995) to 58% (May 9, 1996).

Wells OW-1 and OW-2 did not show significant reductions in concentrations of TCE. Sampling of Wells OW-1 and OW-2 did not occur beyond February 16, 1996; the TCE concentration reductions in MW-12 occurred after this time.

IRON TREATMENT

The first iron bench-scale pilot test (Fe) was performed on February 15, 1996, using powdered iron. The results of elemental Iron Bench Test Fe are presented in Table 4. The residence time required for complete treatment of hexavalent chromium and TCE appears to have been less than the first residence-time sampling event (4 hours). A second iron test (FeB) was designed with shorter sampling intervals to further evaluate residence times.

The second bench-scale pilot test (FeB) was performed on March 15, 1996, using sand-grain-sized steel shot and residence times from 0 to 60 minutes. The results of Iron Bench Test FeB are presented in Table 5. These results, however, are inconclusive for hexavalent chromium reduction; it appears there was no hexavalent chromium present in the original sample water obtained from Well MW-14. The results show a 50% reduction in TCE after 60 minutes.

The third and fourth elemental iron bench-scale pilot tests (FeD and FeE) used iron powder and groundwater from Well MW-16. The results of Iron Bench Test FeD are presented in Table 6. The results indicate highly effective reduction of total chromium and hexavalent chromium. Hexavalent chromium concentrations decreased to nondetect within 5 minutes and remained nondetect for all of the other residence times. Total chromium shows a greater than 99% reduction within 28 minutes (FeD-28), but then shows a marked increase to near-original concentrations at residence time 115 minutes (FeD-115). Conversely, an untreated sample taken from the process water reservoir at the end of the pilot study (FeD-Final) shows a very low value for total chromium. This high value for FeD-115 and very low value for FeD-Final suggest that these two samples were mislabelled or inadvertently switched in the laboratory. Reduction of TCE is greater than 95%. The potential daughter products of TCE reduction are indicated in the columns to the right of the TCE column in Tables 6 and 7. The concentrations of these potential daughter products remained relatively constant or below detection limits in all of the samples collected and analyzed during Test FeD.



Iron Bench Test FeE (the fourth elemental iron pilot test) was performed to observe the generation of daughter products through TCE reduction. The results are presented in Table 7. Because the reactivity of hexavalent chromium with iron had already been demonstrated by the earlier tests, hexavalent chromium and total chromium samples were not collected. TCE concentrations decreased by greater than 99% within 6 hours. Detection limits for the possible daughter products were one to two orders of magnitude lower for treated samples than for untreated samples. *trans*-1,2-DCE concentrations were below detection limits for all samples. *cis*-1,2-DCE concentrations decreased in all treated samples by one or two orders of magnitude. The reported concentrations of 1,1-dichloroethane (DCA), 1,2-DCA, and vinyl chloride in the treated samples were relatively constant and were, in fact, below the detection limits of the untreated samples.

DISCUSSION

The following discussion is based on the analytical results as reported in Table 1.

MOLASSES INJECTION

The molasses-solution injection pilot study illustrates the effectiveness of this technique in the in-situ bioremediation of hexavalent chromium in groundwater.

The injection of molasses solution and inoculated molasses solution into Well MW-11 resulted in decreased concentrations of hexavalent chromium in each of the pilot study wells associated with Well MW-11. These decreased concentrations ranged from two to four orders of magnitude and from 98% to nearly 100%.

The three wells most directly downgradient of Well MW-11 (i.e., Wells OW-2, OW-1, and MW-12), did not show decreases in hexavalent chromium concentrations until after the molasses solution concentration was increased from 100:1 to 20:1 (December 22, 1995) and the molasses solution volume was increased from 50 to 150 gallons (December 22, 1995).

Well MW-3B, cross- and downgradient of MW-11, showed decreases in hexavalent chromium concentrations earlier in the pilot study than did the three downgradient wells. Because of MW-3B's crossgradient position relative to MW-11, these decreased concentrations may have been due to infiltration of non- or less contaminated groundwater from upgradient areas.



The reductions in total chromium concentrations in the wells associated with the pilot study molasses-solution injection Well MW-11 were not as pronounced as the reductions in hexavalent chromium concentrations. Reductions in total chromium concentrations ranged up to two orders of magnitude and from -10% to 99%. The greatest percentage reduction in the concentration of total chromium occurred in the well farthest downgradient of MW-11 (Well MW-12). The lowest percentage reduction occurred in Study Well MW-11. This range and distribution of reductions in total chromium concentrations indicates the precipitation of innocuous chromium hydroxides and sulfides in the subsurface soils as the groundwater proceeds downgradient through the treatment zone.

The injection of molasses solution and inoculated molasses solution into Drivepoint DP-1 resulted in decreased concentrations of hexavalent chromium in the pilot study well associated with DP-1 (Well MW-10). This decreased concentration was five or more orders of magnitude and approached 100%. Total chromium concentration reduction was one order of magnitude and approximately 86%.

The injection of molasses solution and inoculated molasses solution into Wells MW-11 and DP-1 did not indicate consistent concentration decreases of TCE. In the group of pilot study wells associated with Well MW-11, decreases in TCE concentrations ranged from -56% to 94%. In Well MW-10, associated with DP-1, the decrease in TCE was approximately 60%. The greatest percentage TCE concentration decrease occurred in MW-12, which was also sampled more recently (as part of the continuing groundwater monitoring program) than any of the other wells in the molasses injection pilot study. This may indicate that the decrease in TCE concentrations by molasses-solution injection has either a rate of degradation slower than that for hexavalent chromium reduction, or a dependence on the relative absence of other potential electron acceptors.

IRON TREATMENT

The iron treatment pilot tests indicate highly effective treatment of hexavalent chromium and total chromium. The minimum required residence times, as indicated by the tests, are 5 minutes for reduction of hexavalent chromium and approximately 30 minutes for removal of total chromium.



Reduction of TCE by elemental iron appears to require greater residence times, on the order of 2 hours for 95% removal. No net accumulation of degradation daughter products was observed.

CONCLUSIONS

The molasses-solution injection pilot study illustrates highly effective treatment of hexavalent chromium in groundwater, with nearly complete reduction of hexavalent chromium. Total chromium concentrations also decreased, as the innocuous trivalent chromium hydroxides and sulfides precipitated out of the groundwater solution to become a part of the soil matrix. The concentration reductions in the areas around Drivepoint DP-1 and Well MW-11 demonstrate that the molasses solution can be injected by either gravity feed or pressure, as the reductions in concentration from each injection method are approximately equal.

The molasses-solution injection pilot study also indicates that TCE in groundwater can be treated in this manner, but not as effectively or as quickly as hexavalent chromium. Although the molasses-solution injections ceased in March, results from the regular groundwater monitoring event in June indicated a substantial decline in TCE concentrations in Well MW-12 downgradient of the molasses-solution injection in MW-11.

Iron treatment of both hexavalent chromium and total chromium in water is also highly effective. Unlike the in-situ nature of the molasses-solution injection study, the iron treatment study was ex-situ. The results of the iron study must therefore be conservatively applied in any design of an in-situ treatment system, such as a reactive iron wall or a barrier-and-gate treatment system. The effects of chromium hydroxide and/or sulfide precipitation on the long-term efficacy of either treatment system must also be considered.

With respect to the treatment with reactive iron, the destruction of TCE is slower than the reduction of chromium. Were concurrent treatment of chromium and TCE to occur with an in-situ iron system, the dimensional design parameters of the treatment system would be dictated by the level of TCE treatment required. The reduction of TCE with reactive iron appears to be complete; no net accumulation of daughter products (e.g., vinyl chloride) was observed.

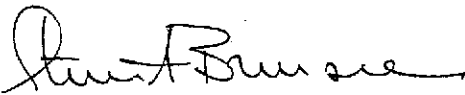


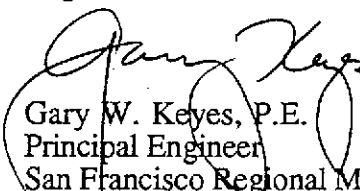
With respect to the objectives of the molasses solution injection and the reactive iron treatment pilot studies, the pilot studies indicated the following:

- Hexavalent and total chromium presence in groundwater can be effectively remediated with molasses solution injection.
- TCE presence in groundwater is beneficially affected by molasses solution injection.
- Hexavalent and total chromium presence in groundwater can be treated with reactive iron. Design parameters for in-situ treatment can be obtained from the pilot study.
- TCE presence in groundwater can be treated with reactive iron. Design parameters for in-situ treatment can be obtained from the pilot study.

Geraghty & Miller appreciates this opportunity to be of service to ECL. If you have any questions regarding this report, please do not hesitate to call.

Sincerely,
GERAGHTY & MILLER, INC.


Steven J. Brussee
Engineer


Gary W. Keyes, P.E.
Principal Engineer
San Francisco Regional Manager

Attachments:	Table 1	Cumulative Groundwater Analytical Results
	Table 2	Molasses Injection Quantities and Concentrations
	Table 3	Pilot Test Field Results
	Table 4	Elemental Iron Bench Test "Fe" Analytical Results
	Table 5	Elemental Iron Bench Test "FeB" Analytical Results
	Table 6	Elemental Iron Bench Test "FeD" Analytical Results
	Table 7	Elemental Iron Bench Test "FeE" Analytical Results
	Table 8	Molasses Injection Pilot Test Calculations
	Figure 1	Pilot Study Results
	Attachment 1	Exploratory Boring Logs
	Attachment 2	Drivepoint DP-1 Completion Details
	Attachment 3	Copies of Laboratory Analytical Reports and Chain-of-Custody Documentation (Groundwater)
	Attachment 4	Copies of Laboratory Analytical Reports and Chain-of-Custody Documentation (Iron Tests)



Table 1: Cumulative Groundwater Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis- 1,2-DCE (mg/L) (c)	trans- 1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL	
MW-1	24-Aug-77	0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	24-Nov-81	0.0025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.032	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	26-Feb-85	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Mar-85	---	---	---	---	0.021	0.033	1,2-DCE: ND(<0.0005)		ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
	15-Nov-91	ND(<0.05)	0.05	---	---	0.0006	0.011	1,2-DCE: 0.0048		0.0005	ND(<0.001)	ND(<0.0005)	0.0016	---	---	---	---	---		
(a) 13-Sep-96	---	---	0.33	ND(<0.0050)	ND(<0.0005)	0.014	0.0019	ND(<0.0005)	0.00063	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	0.00078	---	---	---	---	---		
MW-2	24-Aug-77	0.06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	0.004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	24-Nov-81	0.0011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-3A	18-Aug-77	0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	24-Nov-81	0.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	14-Feb-85	0.77	0.08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	29-Oct-91	0.13	ND(<0.5)	---	---	ND(<0.0005)	ND(<0.0005)	1,2-DCE: ND(<0.0005)		ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
	(h) 20-Apr-95	0.036	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	19-Sep-95	0.065	ND(<0.0050)	---	---	ND(<0.0005)	0.00056	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	14-Dec-95	0.11	0.0075	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
8-Mar-96	---	---	0.092	ND(<0.0050)	0.19	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---		
(a) 12-Jun-96	0.051	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
13-Sep-96	---	---	ND(<0.010)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
MW-3B	24-Aug-77	0.06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	0.48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	24-Nov-81	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	29-Oct-91	110	100	---	---	0.0068	0.65	1,2-DCE: 0.045		0.013	0.0064	ND(<0.0005)	0.0012	---	---	---	---	---		
	(h) 20-Apr-95	8.0	7.6	---	---	ND(<0.01)	0.26	0.017	0.023	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	4.1	ND(<0.10)	260	---	---	
	22-Aug-95	13	12	---	---	0.0060	0.29	0.041	0.059	ND(<0.005)	ND(<0.01)	0.012	ND(<0.005)	ND(<0.005)	4.2	ND(<0.10)	130	---	---	
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into crossgradient Well MW-11.																		
	20-Oct-95	0.18	ND(<0.0050)	---	---	ND(<0.0005)	0.018	0.013	0.0095	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	0.0017	ND(<0.0005)	0.35	ND(<1.0)	310	---	>5,700	
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution into crossgradient Well MW-11.																		
	4-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																		
	19-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																		
1-Feb-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																			
16-Feb-96	3.3	1.1	---	---	ND(<0.005)	0.14	0.013	0.015	ND(<0.005)	ND(<0.01)	ND(<0.005)	ND(<0.005)	ND(<0.005)	0.54	ND(<0.10)	220	---	---		

Table 1: Cumulative Groundwater Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis- 1,2-DCE (mg/L) (c)	trans- 1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (u)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL
MW-3C	18-Aug-77	18	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24-Aug-77	7.1	6.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	15-Sep-81	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Oct-81	28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24-Nov-81	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Dec-81	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	26-Feb-85	7.25	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Jun-85	---	---	---	---	0.0017	0.15	1,2-DCE: 0.023		ND(<0.0005)	ND(<0.0005)	0.0024	ND(<0.0005)	---	---	---	---	---	---
	29-Oct-91	2.3	1.6	---	---	0.0017	0.18	1,2-DCE: 0.046		0.061	0.018	0.034	0.0054	---	---	---	---	---	---
	(h) 20-Apr-95	1.4	ND(<0.0050)	---	---	ND(<0.0005)	0.03	0.011	ND(<0.0005)	0.0016	0.0022	0.00066	0.0020	ND(<0.0005)	---	---	---	---	---
22-Aug-95	1.3	ND(<0.0050)	---	---	ND(<0.0005)	0.017	0.0092	0.0098	0.0013	0.0030	ND(<0.0005)	0.0024	ND(<0.0005)	ND(<0.10)	ND(<0.10)	350	---	---	
(i) 20-Oct-95	8.5	10	---	---	0.0067	0.032	ND(<0.0005)	0.024	0.0032	0.0049	0.012	ND(<0.0005)	0.0017	1.1	ND(<1.0)	130	---	>5,700	
MW-4	18-Aug-77	90	67	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	15-Sep-81	57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Oct-81	61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24-Nov-81	56	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Dec-81	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	26-Feb-85	59	59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	(j) 4-Nov-91	22	22	---	---	0.031	2.1	1,2-DCE: 0.26		ND(<0.005)	0.01	ND(<0.005)	ND(<0.005)	---	---	---	---	---	---
	28-Jul-94	---	6.3	---	---	---	6.5	---	---	---	---	---	---	---	---	---	---	---	---
	(h) 21-Apr-95	16	17	---	---	ND(<0.05)	4.4	0.43	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.10)	ND(<0.10)	94	---	---
	19-Sep-95	14	15	---	---	0.065	3.5	0.59	0.092	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---
	8-Nov-95	---	---	---	---	ND(<0.0005)	4.2	0.038	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---
	15-Dec-95	16	16	---	---	0.027	2.9	0.33	0.044	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---
	8-Mar-96	---	---	16	23	0.084	3.1	0.36	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---
11-Jun-96	5.4	9.1	---	---	ND(<0.1)	3.1	0.28	ND(<0.1)	ND(<0.1)	ND(<0.2)	ND(<0.1)	ND(<0.1)	ND(<0.1)	---	---	---	---	---	
(a) 13-Sep-96	---	---	14	1.4	0.063	1.8	0.41	0.058	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
MW-5	18-Aug-77	360	295	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Oct-81	880	2.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24-Nov-81	610	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Dec-81	280	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	26-Feb-85	480	480	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4-Nov-91	260	250	---	---	0.0089	0.41	1,2-DCE: 0.12		0.0042	0.054	0.0013	0.042	---	---	---	---	---	
	28-Jul-94	---	454	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	(h) 21-Apr-95	140	160	---	---	0.01	0.21	0.031	0.013	ND(<0.005)	ND(<0.01)	ND(<0.005)	0.013	ND(<0.005)	---	---	---	---	---
MW-6	15-Sep-81	0.63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Oct-81	0.08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24-Nov-81	0.79	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Dec-81	0.63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	19-Feb-85	3.33	3.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11-Jun-85	---	---	---	---	ND(<0.005)	0.22	1,2-DCE: 0.054		ND(<0.005)	ND(<0.005)	0.0039	ND(<0.005)	---	---	---	---	---	
	5-Nov-91	31	25	---	---	0.0059	0.42	1,2-DCE: 0.078		0.029	0.019	0.0064	ND(<0.0005)	---	---	---	---	---	
	28-Jul-94	---	4.8	---	---	---	0.79	---	---	---	---	---	---	---	---	---	---	---	---
	(h) 20-Apr-95	39	40	---	---	ND(<0.01)	0.32	0.055	ND(<0.01)	0.034	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---
	19-Sep-95	45	43	---	---	0.0064	0.21	0.048	0.012	0.046	0.013	ND(<0.005)	ND(<0.005)	ND(<0.005)	---	---	---	---	---
	14-Dec-95	35	50	---	---	ND(<0.01)	0.4	0.053	ND(<0.01)	0.074	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---
	8-Mar-96	---	---	42	50	ND(<0.05)	0.29	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---
	11-Jun-96	41	44	---	---	ND(<0.05)	0.3	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---
(a) 13-Sep-96	---	---	46	4.4	ND(<0.05)	0.48	ND(<0.05)	ND(<0.05)	0.064	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	

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 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis-1,2-DCE (mg/L) (c)	trans-1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL	
MW-7	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-8	15-Sep-81	ND(<0.001)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Oct-81	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	24-Nov-81	0.0025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Dec-81	0.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	19-Feb-85	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	10-Jun-85	---	---	---	---	0.018	0.046	1,2-DCE: 0.019	ND(<0.001)	0.003	ND(<0.001)	0.001	---	---	---	---	---	---	---	
	11-Jun-85	---	---	---	---	0.035	0.093	1,2-DCE: 0.032	0.001	---	ND(<0.0005)	0.001	---	---	---	---	---	---	---	
	5-Nov-91	ND(<0.05)	ND(<0.01)	---	---	0.035	0.038	1,2-DCE: 0.023	0.0008	0.0049	ND(<0.0005)	0.0018	---	---	---	---	---	---	---	
(h) 21-Apr-95	0.033	ND(<0.0050)	---	---	0.018	0.04	0.046	0.0067	ND(<0.001)	0.016	ND(<0.001)	0.0012	0.0056	---	---	---	---	---		
MW-9	15-Jan-81	258	185	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	26-Feb-85	892	877	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	13-Jun-85	---	---	---	---	0.026	0.7	1,2-DCE: 0.031	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	---	---	---	---	---	---		
	30-Oct-91	140	130	---	---	0.011	0.2	1,2-DCE: 0.013	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	0.0013	---	---	---	---	---	---		
	(h) 21-Apr-95	66	70	---	---	0.013	0.073	0.0064	ND(<0.002)	ND(<0.002)	ND(<0.004)	ND(<0.002)	ND(<0.002)	ND(<0.002)	24	ND(<0.10)	160	---	---	
	(a) 13-Sep-96	---	---	56	5.8	ND(<0.05)	0.075	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
MW-10	15-Jan-81	17	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	14-Feb-85	746	740	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	12-Jun-85	---	---	---	---	0.081	5.1	1,2-DCE: ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---		
	(k) 12-Jun-85	---	---	---	---	ND(<0.05)	12	1,2-DCE: 0.6	ND(<0.05)	---	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---		
	7-Nov-91	490	450	---	---	ND(<0.05)	14	1,2-DCE: 0.64	3.8	ND(<0.1)	6.5	ND(<0.05)	---	---	---	---	---	---		
	(h) 21-Apr-95	160	170	---	---	ND(<0.1)	10	0.9	ND(<0.1)	1.2	ND(<0.2)	1	ND(<0.1)	ND(<0.1)	50	5.4	130	---		
	21-Aug-95	140	160	---	---	ND(<0.25)	11	0.86	ND(<0.25)	1.3	ND(<0.5)	0.77	ND(<0.25)	ND(<0.25)	51	6.9	110	---		
	22-Aug-95	Inject 25 gallons of 4:1 solution into upgradient Drivepoint DP-1.																		
	18-Sep-95	150	150	---	---	---	---	---	---	---	---	---	---	---	44	6.5	100	---	---	
	16-Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	ND(<1.0)	---	---	250	---	
20-Oct-95	78	86	---	---	0.02	0.45	0.24	0.044	0.31	0.087	0.2	0.011	0.012	---	16	110	---	3,400		
22-Dec-95	Inject 115 gallons of inoculated 4:1 solution into upgradient Drivepoint DP-1.																			
16-Feb-96	16	23	---	---	ND(<0.2)	4.2	4.5	ND(<0.2)	ND(<0.2)	ND(<0.4)	0.31	ND(<0.2)	ND(<0.2)	ND(<0.10)	0.82	75	---	2,300		
14-Mar-96	Inject 100 gallons of inoculated 4:1 solution into upgradient Drivepoint DP-1.																			
9-May-96	11 (f)	ND(<0.050)	---	---	ND(<0.25)	4.4	8.7	ND(<0.25)	0.89	ND(<0.5)	0.46	ND(<0.25)	ND(<0.25)	---	---	---	---	---		

Table 1: Cumulative Groundwater Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis-1,2-DCE (mg/L) (c)	trans-1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL	
MW-11	(l) 14-Jan-81	98	90	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	127	98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	137	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	145	124	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	116	101	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	122	122	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	154	135	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	(l) 14-Jan-81	134	134	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Jul-81	0.34	0.034	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	26-Feb-85	2.44	2.41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	12-Jun-85	---	---	---	---	0.0053	0.019	1,2-DCE: 0.0034	ND(<0.0005)	ND(<0.0005)	0.0013	ND(<0.0005)	---	---	---	---	---	---	---	
	15-Nov-91	0.47	0.41	---	---	0.0015	0.01	1,2-DCE: 0.0031	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	---	---	
	(h) 20-Apr-95	0.42	0.95	---	---	0.0074	0.067	0.0062	ND(<0.005)	ND(<0.005)	ND(<0.01)	ND(<0.005)	ND(<0.005)	ND(<0.005)	---	---	---	---	---	
	22-Aug-95	0.36	0.22	---	---	0.0011	0.0047	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	5.4	ND(<0.10)	8.1	---	---	
	22-Aug-95 Begin weekly injection of 50 gallons of 100:1 solution.																			
	16-Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	ND(<1.0)	---	---	---	15	---
	20-Oct-95	0.090	ND(<0.0050)	---	---	ND(<0.005)	ND(<0.005)	0.13	ND(<0.005)	ND(<0.005)	ND(<0.01)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<1.0)	ND(<1.0)	21	---	>57,000	
	8-Nov-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3,000	---
	10-Nov-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2,100	---
	22-Dec-95 Inject 150 gallons of inoculated 20:1 solution.																			
	4-Jan-96 Inject 150 gallons of 20:1 solution.																			
	19-Jan-96 Inject 150 gallons of 20:1 solution.																			
	1-Feb-96 Inject 150 gallons of 20:1 solution.																			
	(a) 16-Feb-96	0.43	ND(<0.0050)	---	---	0.0007	0.0022	0.0070	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.005)	ND(<0.0005)	ND(<0.0005)	1.2	0.16	23	---	15,000	
	(a) 13-Sep-96	---	---	0.17	0.0060	0.00073	0.006	0.0035	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	0.0006	0.001	---	---	---	---	---	---
MW-12	15-Jan-81	32	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	26-Feb-85	240	240	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	(j) 11-Nov-91	44	39	---	---	0.01	0.13	1,2-DCE: 0.009	ND(<0.0025)	0.0033	ND(<0.002)	0.0046	0.0013	---	---	---	---	---	---	---
	(h) 20-Apr-95	10	10	---	---	0.0094	0.052	0.0050	ND(<0.0025)	0.0090	ND(<0.005)	0.0039	ND(<0.0025)	ND(<0.0025)	---	---	---	---	---	---
	15-Aug-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13,000
	22-Aug-95	7.8	8.6	---	---	0.01	0.036	0.0052	0.0019	0.0076	ND(<0.001)	0.0037	0.0010	0.0021	28	ND(<0.10)	210	---	---	
	19-Sep-95	18	19	17	19	0.014	0.067	0.0091	0.0038	0.015	ND(<0.0025)	0.0072	0.0016	0.0029	25	ND(<0.10)	---	---	---	
	20-Oct-95	17	24	---	---	0.011	0.025	0.0077	0.0012	0.0076	ND(<0.001)	0.0043	0.00073	0.0016	26	ND(<1.0)	130	---	>5,700	
	14-Dec-95	17	20	---	---	ND(<0.01)	0.079	ND(<0.01)	ND(<0.01)	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---	
	22-Dec-95 Inject 330 gallons of inoculated 10:1 solution into upgradient Well OW-1.																			
	16-Feb-96	16	1.3	---	---	0.012	0.17	0.02	0.0075	0.057	ND(<0.01)	0.023	ND(<0.005)	ND(<0.005)	0.20	ND(<0.10)	110	---	---	
	8-Mar-96	---	---	0.25	0.012	0.85	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
	12-Jun-96	0.13	0.016	---	---	ND(<0.001)	0.0027	0.039	0.0014	0.0039	0.013	0.0026	0.0016	0.0014	---	---	---	---	---	
	(a) 13-Sep-96	---	---	0.26	ND(<0.0050)	0.0023	0.023	0.015	0.0015	0.012	ND(<0.001)	0.0059	0.0029	0.0019	---	---	---	---	---	
MW-13	15-Jan-81	381	325	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	14-Feb-85	676	676	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	(j) 8-Nov-91	510	430	---	---	0.0089	0.63	1,2-DCE: 0.089	---	0.0068	0.02	ND(<0.005)	0.015	---	---	---	---	---	---	
	28-Jul-94	230	130	---	---	---	0.77	---	---	---	---	---	---	---	---	---	---	---	---	
	(h) 20-Apr-95	210	220	---	---	0.0089	0.36	0.07	0.016	ND(<0.005)	0.02	ND(<0.005)	0.014	ND(<0.005)	22	4.0	140	---	---	
	19-Sep-95	200	210	---	---	0.012	0.24	0.072	0.025	ND(<0.005)	0.042	ND(<0.005)	0.018	ND(<0.005)	---	---	---	---	---	
	15-Dec-95	170	210	---	---	ND(<0.01)	0.38	0.068	0.017	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---	
	8-Mar-96	---	---	170	200	ND(<0.05)	0.27	0.057	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
	11-Jun-96	170	160	---	---	ND(<0.05)	0.25	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
	(a) 13-Sep-96	---	---	160	13	ND(<0.05)	0.43	0.084	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	

Table 1: Cumulative Groundwater Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis- 1,2-DCE (mg/L) (c)	trans- 1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL
MW-14	26-Feb-85	654	632	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Mar-85	---	---	---	---	0.026	0.58	1,2-DCE: ND(<0.0005)		ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	11-Nov-91	320	310	---	---	0.013	4.3	1,2-DCE: 0.15		0.013	0.03	0.017	0.019	---	---	---	---	---	
	(h) 21-Apr-95	130	140	---	---	ND(<0.01)	8.1	0.036	ND(<0.01)	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	21	3.8	120	---	---	
	(m) 16-Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND(<1.0)	---
	20-Oct-95	140	140	---	---	0.0063	0.088	0.019	0.0090	0.0055	0.0052	0.0011	0.0040	0.0021	3.7	2.6	100	---	53
	8-Nov-95	---	---	---	---	ND(<0.0005)	2	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<1.0)	---
	(a) 13-Sep-96	---	---	100	9.7	ND(<1)	4.7	ND(<1)	ND(<1)	ND(<1)	ND(<2)	ND(<1)	ND(<1)	ND(<1)	---	---	---	---	---
MW-15	19-Feb-85	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	13-Jun-85	---	---	---	---	ND(<0.05)	1.2	1,2-DCE: 0.41		ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	---	
	12-Nov-91	ND(<0.05)	ND(<0.01)	---	---	ND(<0.005)	0.65	1,2-DCE: 0.22		ND(<0.005)	ND(<0.01)	ND(<0.005)	ND(<0.005)	---	---	---	---	---	
	28-Jul-94	---	ND(<0.01)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Apr-95	ND(<0.010)	ND(<0.0050)	---	---	ND(<0.01)	0.3	0.088	0.13	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	---
MW-16	14-Feb-85	460	460	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	21-Mar-85	---	---	---	---	0.042	0.36	1,2-DCE: ND(<0.0005)		ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	19-Nov-91	240	290	---	---	ND(<0.005)	19	1,2-DCE: 2.2		1.2	0.42	1.3	ND(<0.005)	---	---	---	---	---	
	28-Jul-94	120	320	---	---	---	22	---	---	---	---	---	---	---	---	---	---	---	
	(h) 20-Apr-95	100	100	---	---	0.013	10	2.4	0.067	0.39	0.3	0.18	0.028	ND(<0.01)	49	3.6	140	---	
	19-Sep-95	83	87	74	86	ND(<0.125)	7.8	2.5	0.19	0.59	0.73	0.19	ND(<0.125)	ND(<0.125)	---	---	---	---	
	(n) 8-Nov-95	---	---	---	---	ND(<0.0005)	7.5	2.6	ND(<0.0005)	0.33	0.38	0.14	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
	(n) 27-Nov-95	---	---	27	25	ND(<0.0005)	2	1.7	0.049	0.2	0.3	ND(<0.0005)	0.024	ND(<0.0005)	---	---	---	---	
	4-Dec-95	37	45	---	---	ND(<0.1)	5.7	2.1	ND(<0.1)	0.24	0.53	ND(<0.1)	ND(<0.1)	ND(<0.1)	---	---	---	---	
	14-Dec-95	57	74	---	---	ND(<0.0005)	11	2.3	0.1	0.62	0.46	0.14	0.025	ND(<0.0005)	---	---	---	---	
	(o) 14-Dec-95	6.3	2.4	---	---	ND(<0.0005)	2.1	0.15	ND(<0.0005)	0.08	0.056	0.015	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
	8-Mar-96	---	---	73	83	ND(<0.2)	9.9	2.4	ND(<0.2)	0.46	ND(<0.4)	ND(<0.2)	ND(<0.2)	ND(<0.2)	---	---	---	---	
	11-Jun-96	67	20	---	---	ND(<0.2)	9.7	2.1	ND(<0.2)	ND(<0.2)	0.44	ND(<0.2)	ND(<0.2)	ND(<0.2)	---	---	---	---	
(a,p) 13-Sep-96	---	---	60	6.4	ND(<1)	11	2.2	ND(<1)	ND(<1)	ND(<2)	ND(<1)	ND(<1)	ND(<1)	---	---	---	---		
MW-17	14-Feb-85	90	38.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	13-Jun-85	---	---	---	---	0.018	0.2	1,2-DCE: 0.023		0.046	ND(<0.005)	0.022	ND(<0.005)	---	---	---	---	---	
	19-Nov-91	250	300	---	---	0.0089	0.46	1,2-DCE: 0.054		0.054	0.42	0.03	0.0078	---	---	---	---	---	
	28-Jul-94	190	200	---	---	---	0.78	---	---	---	---	---	---	---	---	---	---	---	
	(h) 20-Apr-95	150	160	---	---	ND(<0.01)	0.41	0.042	0.011	0.037	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	
	19-Sep-95	170	180	160	180	0.0098	0.26	0.05	0.023	0.042	ND(<0.01)	0.011	ND(<0.005)	ND(<0.005)	---	---	---	---	
	14-Dec-95	160	200	---	---	0.013	0.36	0.024	ND(<0.01)	0.038	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	
	8-Mar-96	---	---	140	150	ND(<0.05)	0.31	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	
	(a) 11-Jun-96	130	150	---	---	ND(<0.05)	0.27	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	
13-Sep-96	---	---	130	12	ND(<0.2)	1.9	ND(<0.2)	ND(<0.2)	0.41	ND(<0.4)	ND(<0.2)	ND(<0.2)	ND(<0.2)	---	---	---	---		
MW-18	19-Feb-85	60.5	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12-Jun-85	---	---	---	---	0.032	0.43	1,2-DCE: 0.14		ND(<0.0005)	ND(<0.0005)	0.052	ND(<0.0005)	---	---	---	---	---	
	(q) 12-Jun-85	---	---	---	---	ND(<0.05)	0.34	1,2-DCE: ND(<0.05)		ND(<0.05)	---	0.066	ND(<0.05)	---	---	---	---	---	
	19-Nov-91	31	24	---	---	0.011	0.56	1,2-DCE: 0.16		ND(<0.005)	0.03	0.023	ND(<0.005)	---	---	---	---	---	
	(h) 20-Apr-95	24	23	---	---	ND(<0.01)	0.33	0.035	0.013	ND(<0.01)	ND(<0.02)	0.016	ND(<0.01)	ND(<0.01)	---	---	---	---	
	19-Sep-95	25	27	---	---	0.014	0.2	0.034	0.02	ND(<0.005)	ND(<0.01)	0.016	ND(<0.005)	ND(<0.005)	---	---	---	---	
	14-Dec-95	20	22	---	---	ND(<0.01)	0.28	0.018	ND(<0.01)	ND(<0.01)	ND(<0.02)	ND(<0.01)	ND(<0.01)	ND(<0.01)	---	---	---	---	
	8-Mar-96	---	---	22 (g)	23	ND(<0.05)	0.2	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---	
11-Jun-96	19	17	---	---	ND(<0.05)	0.2	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.1)	ND(<0.05)	ND(<0.05)	ND(<0.05)	---	---	---	---		

Table 1: Cumulative Groundwater Analytical Results
Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis- 1,2-DCE (mg/L) (c)	trans- 1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL
MW-18A	22-Jun-83	0.02	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	26-Feb-85	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	13-Jun-85	---	---	---	---	ND(<0.0005)	0.01	1,2-DCE: ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	19-Nov-91	ND(<0.05)	ND(<0.01)	---	---	ND(<0.0005)	ND(<0.0005)	1,2-DCE: ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---	
	(h) 20-Apr-95	ND(<0.010)	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
	19-Sep-95	ND(<0.010)	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
	15-Dec-95	0.017	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
	8-Mar-96	---	---	ND(<0.050)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	
11-Jun-96	0.038	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---		
MW-19	22-Jun-83	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	19-Feb-85	0.02	0.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	21-Mar-85	---	---	---	---	0.023	0.091	1,2-DCE: ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
MW-20	21-Jun-83	1.3	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	22-Jun-83	1.3	0.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	11-Aug-83	0.09	0.04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	26-Feb-85	ND(<0.02)	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	15-Nov-91	ND(<0.05)	0.14	---	---	ND(<0.0005)	ND(<0.0005)	1,2-DCE: ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---		
	(h) 21-Apr-95	ND(<0.010)	ND(<0.0050)	---	---	ND(<0.0005)	0.0035	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---		
	19-Sep-95	ND(<0.010)	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---		
	15-Dec-95	0.022	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---		
	8-Mar-96	---	---	0.11	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---		
	11-Jun-96	0.096	ND(<0.0050)	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---		
(a) 13-Sep-96	---	---	0.12	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---			
MW-21	22-Jun-83	0.02	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	19-Feb-85	0.04	ND(<0.02)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	13-Jun-85	---	---	---	---	ND(<0.05)	2.2	1,2-DCE: 0.8	ND(<0.05)	ND(<0.05)	0.11	ND(<0.05)	---	---	---	---	---		
OW-1	22-Aug-95	19	22	---	---	0.0089	0.077	0.016	0.01	0.032	0.0045	0.016	0.0036	0.0024	19	ND(<0.10)	140	---	
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into upgradient Well MW-11.																	
	20-Oct-95	24	32	---	---	ND(<0.005)	0.15	0.014	0.0051	0.032	ND(<0.01)	0.012	ND(<0.005)	ND(<0.005)	20	ND(<1.0)	150	---	
	22-Dec-95	Inject 330 gallons of inoculated 10:1 solution.																	
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution into upgradient Well MW-11.																	
	4-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																	
	19-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																	
	1-Feb-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																	
16-Feb-96	4.8	ND(<0.0050)	---	---	0.017	0.12	0.014	ND(<0.005)	ND(<0.005)	ND(<0.01)	ND(<0.005)	ND(<0.005)	ND(<0.005)	0.77	ND(<0.10)	190	---		
OW-2 (r)	22-Aug-95	36	36	---	---	0.0049	0.18	0.029	0.028	0.052	0.0056	0.035	0.0027	0.0035	6.2	ND(<0.10)	74	---	
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into upgradient Well MW-11.																	
	18-Sep-95	70	77	---	---	---	---	---	---	---	---	---	---	---	11	5.2	83	---	
	16-Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	20-Oct-95	51	58	---	---	ND(<0.005)	0.2	0.023	0.014	0.022	ND(<0.01)	0.021	ND(<0.005)	ND(<0.005)	---	ND(<1.0)	87	ND(<1.0)	
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution into upgradient Well MW-11.																	
	4-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																	
	19-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																	
1-Feb-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.																		
16-Feb-96	6.9	0.089	---	---	ND(<0.005)	0.17	0.034	0.014	0.014	ND(<0.01)	0.0070	ND(<0.005)	ND(<0.005)	3.1	1.2	100	---		
DP-1 (s)	16-Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	>3,600	
	20-Oct-95	10	0.0061	---	---	ND(<0.005)	0.32	0.22	0.03	0.22	0.056	0.031	0.074	ND(<0.005)	2.9	ND(<1.0)	520	>57,000	
	14-Mar-96	Inject 100 gallons of inoculated 4:1 solution.																	

Table 1: Cumulative Groundwater Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	Dissolved Cr (mg/L) (g)	Dissolved Cr6 (mg/L) (b)	PCE (mg/L) (c)	TCE (mg/L) (c)	cis-1,2-DCE (mg/L) (c)	trans-1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	Vinyl Chloride (mg/L) (c)	1,1,1-TCA (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	Nitrate (mg/L) (d)	Nitrite (mg/L) (d)	Sulfate (mg/L) (d)	BOD (mg/L) (e)	HPC CFU/mL
TB-LB	16-Feb-96	---	---	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---
	8-Mar-96	---	---	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.001)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	---	---	---	---	---

- (a) Analyzed by USEPA Method 200.7.
- (b) Analyzed by USEPA Method 7196.
- (c) Analyzed by USEPA Method 5030 / 8010.
- (d) Analyzed by USEPA Method 300.0.
- (e) Analyzed by USEPA Method 405.1.
- (f) Analyzed by USEPA Method 3010 / 6010.
- (g) Analyzed by USEPA Method 200.7 / 218.1.
- (h) April 1995 samples analyzed for halogenated VOCs by USEPA Method 601.
- (i) Laboratory also reports bromomethane @ 0.00096 mg/L.
- (j) American Environmental Management Corporation reported additional results in November 1991 for "Samples Not Filtered" as follows: MW-4 (Cr @ 22 mg/L and Cr6 @ 22 mg/L); MW-12 (45 mg/L and 45 mg/L, respectively); and MW-13 (Cr6 @ 430 mg/L).
- (k) Laboratory also reports chloroform @ 0.088 mg/L.
- (l) Data from sequential samples collected during a pumping test conducted by Woodward Clyde (cited by American Environmental).
- (m) Sample also analyzed for chemical oxygen demand (USEPA Method 410.4) (65 mg/L).
- (n) Sample collected in the presence of iron well screen before purging.
- (o) Sample collected in the presence of iron well screen before purging (sample identified as "Special 16").
- (p) Laboratory also reports Freon 113 @ 1.1 mg/L.
- (q) Laboratory also reports chloroform @ 0.084 mg/L.
- (r) Laboratory also reports chloroform @ 0.0025 mg/L.
- (s) Laboratory also reports chloroethane @ 0.014 mg/L.
- (t) Analyzed by USEPA Method 602.
- (u) Analyzed by USEPA Method 3510 / 3520 / 8010 (Fuel Fingerprint).
- (v) Analyzed by USEPA Method 160.1.
- (w) Analyzed by USEPA Method 350.3.
- (x) Analyzed by USEPA Method 9030.
- (y) Analyzed by USEPA Method 5030 / 8010.

Cr	Total chromium
Cr6	Hexavalent chromium
1,1,1-TCA	1,1,1-Trichloroethane
PCE	Tetrachloroethene
TCE	Trichloroethene
1,1-DCA	1,1-Dichloroethane
1,2-DCA	1,2-Dichloroethane
1,1-DCE	1,1-Dichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
BOD	Biological oxygen demand
HPC	Heterotrophic plate count
DCB	Dichlorobenzene
TDS	Total dissolved solids
mg/L	Milligrams per liter
CFU/mL	Colony-forming units per milliliter
mV	Millivolts
---	Not analyzed
ND	Not detected (laboratory method detection limits in parentheses)

Beginning April 20, 1995, laboratory analyses performed by Sequoia Analytical, Walnut Creek and Redwood City, California.
 Data from August 1977 through July 1994 taken from groundwater monitoring reports by American Environmental Management Corporation (January 27, 1992, and October 28, 1994).

Table 2: Molasses Injection Quantities and Concentrations
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Quantity (gallons)	Water:Molasses Ratio	Remarks
OW-1	22-Dec-95	330	10:1	(a)
DP-1	22-Aug-95	25	4:1	
	22-Dec-95	115	4:1	(a)
	14-Mar-96	100	4:1	(a)
MW-11	22-Aug-95	50	100:1	
	5-Sep-95	50	100:1	
	19-Sep-95	50	100:1	
	3-Oct-95	50	100:1	
	17-Oct-95	50	100:1	
	31-Oct-95	50	100:1	
	14-Nov-95	50	100:1	
	28-Nov-95	50	100:1	
	4-Dec-95	50	100:1	
	22-Dec-95	158	20:1	(a)
	4-Jan-96	150	20:1	
19-Jan-96	150	20:1		
1-Feb-96	150	20:1		

(a) Inoculated solution.

Table 3: Pilot Test Field Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	DO (ppm)	Redox mV	Temp (°C)	pH	
OW-1	22-Aug-95	0.47	152	19.4	5.5	
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into upgradient Well MW-11.				
	28-Aug-95	0.61	161	19.4	6.0	
	5-Sep-95	0.22	105	19.2	6.0	
	11-Sep-95	0.46	118	19.7	6.0	
	18-Sep-95	0.70	112	19.3	6.0	
	25-Sep-95	0.96	166	19.4	7.0	
	2-Oct-95	0.38	140	10.5	6.5	
	9-Oct-95	0.49	79	19.2	6.0	
	16-Oct-95	0.54	26	19.6	6.5	
	22-Oct-95	Inject 330 gallons of inoculated 10:1 solution.				
	23-Oct-95	0.66	36	19.4	6.0	
	30-Oct-95	0.39	38	19.8	6.0	
	6-Nov-95	0.63	50	19.8	6.5	
	13-Nov-95	0.71	16	19.6	6.0	
	20-Nov-95	0.61	109	19.5	5.5	
	27-Nov-95	0.23	170	19.7	5.5	
	4-Dec-95	0.37	53 *	19.4	5.0	
	22-Dec-95	1.02	42	19.5	6.0	
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution into upgradient Well MW-11.				
	4-Jan-96	0.58	65	20.2	4.0	
	4-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
	19-Jan-96	0.49	-433	19.9	4.5	
	19-Jan-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
	1-Feb-96	NS	-499	NS	5.5	
	1-Feb-96	Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
	16-Feb-96	0.74	75	19.7	5.5	
	OW-2	22-Aug-95	0.92	121	19.2	5.5
		22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into upgradient Well MW-11.			
		28-Aug-95	0.49	175	19.8	5.5
5-Sep-95		0.21	134	18.9	5.5	
11-Sep-95		0.50	133	18.9	5.5	
18-Sep-95		0.52	115	19.3	5.0	
25-Sep-95		0.82	118	19.5	6.0	
2-Oct-95		0.45	92	19.5	6.0	
9-Oct-95		0.42	76	19.2	6.0	
16-Oct-95		0.69	6	20.1	6.0	
23-Oct-95		0.56	-13	19.4	6.0	
30-Oct-95		0.53	30	19.8	5.0	
6-Nov-95		0.71	40	20.5	5.0	
13-Nov-95		0.60	54	19.7	5.5	
20-Nov-95		0.58	154	19.5	5.5	
27-Nov-95		0.44	166	20.0	6.0	
4-Dec-95		0.52	30 *	19.4	6.0	
22-Dec-95		0.85	23	19.1	6.0	
22-Dec-95		Inject 150 gallons of inoculated 20:1 solution into upgradient Well MW-11.				
4-Jan-96		0.38	15	19.7	6.0	
4-Jan-96		Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
19-Jan-96		0.48	-440	19.2	6.0	
19-Jan-96		Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
1-Feb-96		NS	-478	NS	6.0	
1-Feb-96		Inject 150 gallons of 20:1 solution into upgradient Well MW-11.				
16-Feb-96		0.67	11	19.3	6.0	

Table 3: Pilot Test Field Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	DO (ppm)	Redox mV	Temp (°C)	pH
MW-3B	22-Aug-95	0.31	100	19.4	6.0
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution into crossgradient Well MW-11.			
	28-Aug-95	0.20	134	19.9	6.5
	5-Sep-95	0.15	158	19.7	6.0
	11-Sep-95	0.38	106	19.9	6.0
	18-Sep-95	0.42	20	101.0	6.0
	25-Sep-95	0.78	77	19.9	7.0
	2-Oct-95	0.51	345	20.0	7.0
	9-Oct-95	0.42	168	20.0	7.0
	16-Oct-95	0.57	56	20.2	7.0
	23-Oct-95	0.52	40	20.1	7.0
	30-Oct-95	0.46	36	19.8	6.0
	6-Nov-95	0.65	68	20.2	6.0
	13-Nov-95	0.69	51	20.3	6.0
	20-Nov-95	0.55	98	20.2	6.0
	27-Nov-95	0.34	124	20.0	6.0
	4-Dec-95	0.29	42 *	20.1	7.0
	22-Dec-95	0.73	31	19.9	6.0
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution into crossgradient Well MW-11.			
	4-Jan-96	0.32	70	19.8	6.0
	4-Jan-96	Inject 150 gallons of 20:1 solution into crossgradient Well MW-11.			
	19-Jan-96	3.38	148	18.9	6.5
	19-Jan-96	Inject 150 gallons of 20:1 solution into crossgradient Well MW-11.			
1-Feb-96	NS	258	NS	6.0	
1-Feb-96	Inject 150 gallons of 20:1 solution into crossgradient Well MW-11.				
16-Feb-96	4.5	- 18	20.2	5.5	
MW-10	21-Apr-95	NS	300	NS	NS
	21-Aug-95	2.53	224	19.3	6.5
	22-Aug-96	Inject 25 gallons of 4:1 solution into upgradient Drivepoint DP-1.			
	28-Aug-95	0.37	147	19.3	5.5
	5-Sep-95	0.36	100	19.3	5.5
	11-Sep-95	0.53	146	20.6	6.5
	18-Sep-95	0.95	137	19.9	6.5
	25-Sep-95	0.60	70	19.6	6.0
	2-Oct-95	0.50	20	20.2	7.0
	9-Oct-95	0.47	12	19.7	6.0
	16-Oct-95	0.51	5	20.1	7.0
	23-Oct-95	1.10	- 74	19.6	7.0
	30-Oct-95	0.37	62	20.3	6.5
	6-Nov-95	0.63	72	20.3	6.0
	13-Nov-95	0.81	45	21.3	6.0
	20-Nov-95	0.83	120	20.0	5.5
	27-Nov-95	0.70	182	20.2	6.0
	4-Dec-95	0.86	93 *	20.3	6.0
	22-Dec-95	0.74	- 13	20.1	6.0
	22-Dec-95	Inject 115 gallons of inoculated 4:1 solution into upgradient Drivepoint DP-1.			
	4-Jan-96	0.46	- 30	20.2	5.0
19-Jan-96	0.69	-499	19.9	5.5	
1-Feb-96	NS	-511	NS	5.5	
16-Feb-96	0.28	40	18.6	5.5	
14-Mar-96	Inject 100 gallons of inoculated 4:1 solution into upgradient Drivepoint DP-1.				
9-May-96	--	60	--	5.5	

Table 3: Pilot Test Field Results
Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	DO (ppm)	Redox mV	Temp (°C)	pH
MW-11	22-Aug-95	0.20	101	20.6	5.0
	22-Aug-95	Begin weekly injection of 50 gallons of 100:1 solution.			
	28-Aug-95	0.12	130	20.6	6.5
	5-Sep-95	0.14	100	18.8	6.0
	11-Sep-95	0.82	-165	19.2	6.0
	18-Sep-95	0.68	-200	19.5	6.0
	25-Sep-95	0.74	-177	19.5	6.0
	2-Oct-95	0.41	-75	19.4	7.0
	9-Oct-95	0.38	-212	20.1	7.0
	16-Oct-95	0.80	-222	19.6	6.5
	23-Oct-95	0.53	-245	19.6	6.0
	30-Oct-95	0.65	-305	19.8	5.5
	6-Nov-95	0.83	-240	19.8	5.5
	8-Nov-95	0.68	-159	20.2	5.0
	13-Nov-95	0.73	-200	19.0	5.5
	20-Nov-95	0.78	-222	19.9	5.5
	27-Nov-95	0.68	-159	20.2	5.5
	4-Dec-95	0.74	-163	20.1	5.0
	22-Dec-95	0.92	-127	19.2	5.5
	22-Dec-95	Inject 150 gallons of inoculated 20:1 solution.			
	4-Jan-96	1.7	-70	19.8	5.0
	4-Jan-96	Inject 150 gallons of 20:1 solution.			
	19-Jan-96	0.83	-411	19.3	5.0
19-Jan-96	Inject 150 gallons of 20:1 solution.				
1-Feb-96	NS	-63	NS	5.0	
1-Feb-96	Inject 150 gallons of 20:1 solution.				
16-Feb-96	3.22	39	20.2	5.5	
MW-12	22-Aug-95	0.21	138	18.8	5.5
	28-Aug-95	0.24	205	18.8	4.0
	5-Sep-95	0.13	75	18.6	5.5
	11-Sep-95	0.50	119	19.3	5.5
	18-Sep-95	0.47	107	18.7	6.5
	25-Sep-95	1.14	144	19.8	7.0
	2-Oct-95	0.42	150	19.0	7.0
	9-Oct-95	0.38	222	19.1	4.0
	16-Oct-95	0.55	38	18.5	6.0
	23-Oct-95	0.43	-22	18.9	6.5
	30-Oct-95	0.38	36	19.8	6.0
	6-Nov-95	0.62	65	19.8	6.0
	13-Nov-95	0.53	65	19.8	6.0
	20-Nov-95	0.72	96	19.3	6.0
	27-Nov-95	0.20	170	19.4	5.5
	4-Dec-95	0.25	62 *	19.1	5.0
	22-Dec-95	0.73	39	19.0	5.5
	22-Dec-95	Inject 330 gallons of inoculated 10:1 solution into upgradient Well OW-1.			
	4-Jan-96	0.34	-30	19.4	5.5
	19-Jan-96	NS	NS	NS	NS
	1-Feb-96	NS	-535	NS	6.0
	16-Feb-96	0.45	32	20.2	5.5
	DP-1	1-Feb-96	NS	-580	NS
14-Mar-96		Inject 100 gallons of inoculated 4:1 solution.			

Table 3: Pilot Test Field Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Well	Date	DO (ppm)	Redox mV	Temp (°C)	pH
MW-14	21-Apr-95	NS	290	NS	NS
	13-Nov-95	3.22	137	20.3	7.0
MW-16	19-Sep-95	NS	NS	NS	6.7

DO Dissolved oxygen
 Redox Oxidation/reduction potential
 Temp Temperature
 °C Degrees Celsius
 ppm Parts per million
 mV Millivolts
 * Redox meter erratic
 NS Not sampled

Table 4: Elemental Iron Bench Test "Fe" Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Sample ID	Cr	Cr6	1,1,1-TCA	TCE	1,1-DCA	1,2-DCA	c-1,2-DCE	t-1,2-DCE	VC	Chloride	
Residence Time	Date	(mg/L) (a)	(mg/L) (b)	(mg/L) (c)	(mg/L) (c)	(mg/L) (c)	(mg/L) (c)	(mg/L) (c)	(mg/L) (c)	(mg/L) (d)	
FE-0 hrs.	15-Feb-96	59	56	0.029	0.11	0.01	ND(<0.005)	0.018	ND(<0.005)	ND(<0.01)	66
FE-4 hrs.	15-Feb-96	ND(<0.050)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	0.0050	ND(<0.0005)	0.0033	ND(<0.0005)	ND(<0.0010)	77
FE-8 hrs.	15-Feb-96	ND(<0.050)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	0.0061	ND(<0.0005)	0.0049	ND(<0.0005)	ND(<0.0010)	77
FE-12 hrs.	15-Feb-96	ND(<0.050)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	0.0049	ND(<0.0005)	0.0061	ND(<0.0005)	ND(<0.0010)	84
FE-24 hrs.	15-Feb-96	ND(<0.050)	ND(<0.0050)	ND(<0.0005)	ND(<0.0005)	0.0029	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0010)	75
TB-LB	15-Feb-96	---	---	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0005)	ND(<0.0010)	---

- (a) Analyzed by USEPA Method 200.7/218.1.
- (b) Analyzed by USEPA Method 7196.
- (c) Analyzed by USEPA Method 5030/8010.
- (d) Analyzed by USEPA Method 300.0.

Cr Total chromium
 Cr6 Hexavalent chromium
 1,1,1-TCA 1,1,1-Trichloroethane
 TCE Trichloroethene
 1,1-DCA 1,1-Dichloroethane
 c-1,2-DCE cis-1,2-Dichloroethene
 t-1,2-DCE trans-1,2-Dichloroethene
 VC Vinyl chloride
 mg/L Milligrams per liter
 ND Not detected (below method detection limits)
 --- Not analyzed

Laboratory analysis performed by Sequoia Analytical, Walnut Creek, California.



Table 5: Elemental Iron Bench Test "FeB" Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Sample ID	Residence Time (min)	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	1,1,1-TCA (mg/L) (c)	TCE (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	c-1,2-DCE (mg/L) (c)	t-1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	VC (mg/L) (c)	Chloride (mg/L) (d)
FE0B	15-Mar-96		5.3	ND(<0.0050)	0.24	2.4	ND(<0.2)	ND(<0.2)	5.5	ND(<0.2)	0.5	ND(<0.4)	---
FE5B	15-Mar-96		3.3	---	0.14	0.9	ND(<0.05)	ND(<0.05)	3.2	ND(<0.05)	0.34	ND(<0.1)	---
FE10B	15-Mar-96		3.5	ND(<0.0050)	ND(<0.2)	0.95	ND(<0.2)	ND(<0.2)	3	ND(<0.2)	ND(<0.2)	ND(<0.4)	---
FE40B	15-Mar-96		0.28	ND(<0.0050)	ND(<0.2)	0.89	ND(<0.2)	ND(<0.2)	3.3	ND(<0.2)	0.3	ND(<0.4)	---
FE60B	15-Mar-96		0.10	ND(<0.0050)	ND(<0.2)	1.2	ND(<0.2)	ND(<0.2)	4.1	ND(<0.2)	0.24	ND(<0.4)	---

- (a) Analyzed by USEPA Method 200.7/218.1.
- (b) Analyzed by USEPA Method 7196.
- (c) Analyzed by USEPA Method 5030/8010.
- (d) Analyzed by USEPA Method 300.0.

- Cr Total chromium
- Cr6 Hexavalent chromium
- 1,1,1-TCA 1,1,1-Trichloroethane
- TCE Trichloroethene
- 1,1-DCA 1,1-Dichloroethane
- c-1,2-DCE cis-1,2-Dichloroethene
- t-1,2-DCE trans-1,2-Dichloroethene
- 1,1-DCE 1,1-Dichloroethene
- VC Vinyl chloride
- mg/L Milligrams per liter
- ND Not detected (below method detection limits)
- Not analyzed

Laboratory analysis performed by Sequoia Analytical, Walnut Creek, California.



Table 6: Elemental Iron Bench Test "FeD" Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Sample ID	Residence Time (min)	Date	Cr (mg/L) (a)	Cr6 (mg/L) (b)	1,1,1-TCA (mg/L) (c)	TCE (mg/L) (c)	1,1-DCA (mg/L) (c)	1,2-DCA (mg/L) (c)	c-1,2-DCE (mg/L) (c)	t-1,2-DCE (mg/L) (c)	1,1-DCE (mg/L) (c)	VC (mg/L) (c)	Chloride (mg/L) (d)
FeD-0		30-Apr-96	69	76	ND(<0.05)	2.5	ND(<0.05)	ND(<0.05)	1.3	ND(<0.05)	0.12	0.3	---
FeD-5		30-Apr-96	0.087	ND(<0.0050)	ND(<0.1)	3.1	ND(<0.1)	ND(<0.1)	1.4	ND(<0.1)	0.14	ND(<0.2)	---
FeD-28		30-Apr-96	0.020	ND(<0.0050)	ND(<0.05)	1.2	ND(<0.05)	ND(<0.05)	1.3	ND(<0.05)	0.1	ND(<0.1)	---
FeD-77		1-May-96	ND(<0.010)	ND(<0.0050)	ND(<0.05)	0.8	ND(<0.05)	ND(<0.05)	1	ND(<0.05)	0.1	0.33	---
FeD-115		1-May-96	66	ND(<0.0050)	ND(<0.05)	0.17	ND(<0.05)	ND(<0.05)	1.1	ND(<0.05)	0.06	0.3	---

Note: The FeD-Final sample was collected from the untreated water reservoir at the end of the pilot test.

FeD-Final		1-May-96	0.070	99	ND(<0.1)	3.1	ND(<0.1)	ND(<0.1)	1.7	ND(<0.1)	ND(<0.1)	0.22	---
-----------	--	----------	-------	----	----------	-----	----------	----------	-----	----------	----------	------	-----

- (a) Analyzed by USEPA Method 200.7/218.1.
- (b) Analyzed by USEPA Method 7196.
- (c) Analyzed by USEPA Method 5030/8010.
- (d) Analyzed by USEPA Method 300.0.

- Cr Total chromium
- Cr6 Hexavalent chromium
- 1,1,1-TCA 1,1,1-Trichloroethane
- TCE Trichloroethene
- 1,1-DCA 1,1-Dichloroethane
- c-1,2-DCE cis-1,2-Dichloroethene
- t-1,2-DCE trans-1,2-Dichloroethene
- 1,1-DCE 1,1-Dichloroethene
- VC Vinyl chloride
- mg/L Milligrams per liter
- ND Not detected (below method detection limits)
- Not analyzed

Laboratory analysis performed by Sequoia Analytical, Walnut Creek, California.



Table 7: Elemental Iron Bench Test "FeE" Analytical Results
 Electro-Coatings Inc.
 1401 and 1421 Park Avenue, Emeryville, California

Sample ID	Cr	Cr6	1,1,1-TCA	TCE	1,1-DCA	1,2-DCA	c-1,2-DCE	t-1,2-DCE	VC	Chloride	
Residence Time	Date	(mg/L)	(mg/L)	(mg/L) (a)	(mg/L) (a)	(mg/L) (a)	(mg/L) (a)	(mg/L) (a)	(mg/L) (a)	(mg/L)	
Fe E-0 hrs.	25-May-96	---	---	ND(<0.05)	2.2	ND(<0.05)	ND(<0.05)	0.94	ND(<0.05)	0.22	---
Fe E-6 hrs.	25-May-96	---	---	ND(<0.0005)	ND(<0.0005)	0.0058	0.00093	0.013	ND(<0.0005)	0.0016	---
Fe E-12 hrs.	25-May-96	---	---	ND(<0.0005)	ND(<0.0005)	0.0049	0.00099	0.0073	ND(<0.0005)	ND(<0.001)	---
Fe E-18 hrs.	25-May-96	---	---	ND(<0.0005)	ND(<0.0005)	0.0076	0.0014	0.023	ND(<0.0005)	0.0025	---
Fe E-24 hrs.	25-May-96	---	---	ND(<0.001)	ND(<0.001)	0.0071	0.0013	0.03	ND(<0.001)	0.0042	---
Note: The FeE-00 sample was collected from the untreated water reservoir at the end of the pilot test.											
Fe E-00 hrs.	25-May-96	---	---	ND(<0.05)	1.1	ND(<0.05)	ND(<0.05)	0.58	ND(<0.05)	ND(<0.1)	---

(a) Analyzed by USEPA Method 5030/8010.

- Cr Chromium
- Cr6 Hexavalent chromium
- 1,1,1-TCA 1,1,1-Trichloroethane
- TCE Trichloroethene
- 1,1-DCA 1,1-Dichloroethane
- 1,2-DCA 1,2-Dichloroethane
- c-1,2-DCE cis-1,2-Dichloroethene
- t-1,2-DCE trans-1,2-Dichloroethene
- VC Vinyl chloride
- mg/L Milligrams per liter
- ND Not detected (below method detection limits)
-

Laboratory analysis performed by Sequoia Analytical, Walnut Creek, California.



Table: Class Injection Pilot Test Calculations
 Electro-Coatings, Inc.
 1401 and 1421 Park Avenue, Emeryville, California

	MW-11			OW-2			OW-1		
	Cr	Cr6+	TCE	Cr	Cr6+	TCE	Cr	Cr6+	TCE
20-Apr-95	0.42	0.95	0.067						
22-Aug-95	0.36	0.22	0.0047	36	36	0.18	19	22	0.077
Average:	0.39	0.59	0.036	36	36	0.18	19	22	0.08
20-Oct-95	0.090	0.0050	0.0050	51	58	0.2	24	32	0.15
Reduction	77%	99%	86%	-42%	-61%	-11%	-26%	-45%	-95%
16-Feb-96	0.43	0.0050	0.0022	6.9	0.089	0.17	4.8	0.005	0.12
Reduction	-10%	99%	94%	81%	>99%	6%	75%	>99%	-56%

	MW-12			MW-3B			MW-10		
	Cr	Cr6+	TCE	Cr	Cr6+	TCE	Cr	Cr6+	TCE
20-Apr-95	10	10	0.052	8.0	7.6	0.26	--	--	--
21-Apr-96	--	--	--	--	--	--	160	170	10
21-Aug-96	--	--	--	--	--	--	140	160	11
22-Aug-95	7.8	8.6	0.036	31	12	0.29	--	--	--
Average:	8.9	9.3	0.044	20	10	0.28	150	165	11
20-Oct-95	17	24	0.025	0.18	0.0050	0.018	78	86	0.45
Reduction	-91%	-158%	43%	99%	>99%	93%	48%	48%	96%
16-Feb-96	16	1.3	0.17	3.3	1.1	0.14	16	23	4.2
Reduction	-80%	86%	-286%	83%	89%	49%	89%	86%	60%
9-May-96	--	--	--	--	--	--	11	<0.05	4.4
Reduction	--	--	--	--	--	--	86%	>99%	58%
12-Jun-96	0.13	0.16	0.0027	--	--	--	--	--	--
Reduction	99%	98%	94%	--	--	--	--	--	--

All concentrations are shown in milligrams per liter (mg/L).

Cr Chromium
 Cr6+ Hexavalent chromium
 TCE Trichloroethylene



Park Avenue

Holden Street

Approximate
Direction of
Groundwater
Flow

MW-10	Cr	Cr ⁶⁺	TCE
8/21/95	140	160	11
10/20/95	78	86	0.450
2/16/96	16	23	4.2
5/9/96	11	ND	4.4

DP-1
8/21/95 - 25 gal 4:1
12/22/95 - 115 gal 4:1 with inoculation
3/14/96 - 100 gal 4:1 with inoculation + 150 mg B-12

ELECTRO-COATINGS

OW-2	Cr	Cr ⁶⁺	TCE
8/22/95	36	36	0.18
10/20/95	51	58	0.2
2/16/96	6.9	0.089	0.17

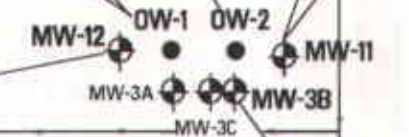
MW-11	Cr	Cr ⁶⁺	TCE
8/22/95	0.36	0.22	0.0047
10/20/95	0.090	ND	ND
2/16/96	0.43	ND	0.0022

OW-1	Cr	Cr ⁶⁺	TCE
8/22/95	19	22	0.077
10/20/95	24	32	0.15
2/16/96	4.8	ND	0.12

8/22-12/4/95: 50 gal 100:1 weekly
12/22/95: 158 gal 20:1 with inoculation
1/4/96: 150 gal 20:1 bi-weekly

12/22/95: Inject 330 gal 10:1 with inoculation

MW-12	Cr	Cr ⁶⁺	TCE
8/22/95	7.8	8.6	0.036
10/20/95	17	24	0.025
2/16/96	16	1.3	0.17
6/11/96	0.13	0.016	0.072



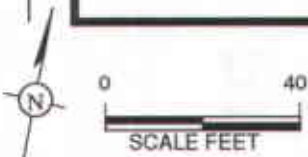
MW-3B	Cr	Cr ⁶⁺	TCE
8/22/95	13	12	0.29
10/20/95	0.18	ND	0.018
2/16/96	3.3	1.1	0.14

EXPLANATION

- MW-9 Monitor Well
- OW-1 Observation Well
- DP-1 Drivepoint
- ND Not Detected - Below laboratory detection limits

MW-10
Monitor Well Analytical Data (mg/L)

OW-1
Injection Data (mg/L)



DRAWING: PREVIOUS BASE MAP | PATH: PILOT TEST; F1 Pilot Test Results | APPROVAL: | ILLUSTRATOR: JFH



A Heidemij Company

Project No. RC0304.001

PILOT STUDY RESULTS
ELECTRO-COATINGS, INC.
1401 and 1421 Park Avenue
Emeryville, California

FIGURE 1

REVISION
Sept 11, 1996

ATTACHMENT 1

EXPLORATORY BORING LOGS

KEY TO BORING LOG SYMBOLS

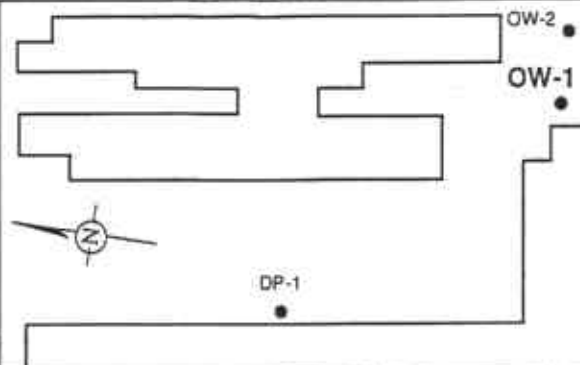
UNIFIED SOIL CLASSIFICATION SYSTEM - ASTM D2488					
MAJOR DIVISIONS			SYMBOL/ GRAPHIC	DESCRIPTIONS	
COARSE GRAINED SOILS (>50% by weight larger than #200 sieve)	GRAVELS (More than 50% of coarse fraction is larger than the #4 sieve size.)	Clean gravels with little or no fines	GW		Well Graded Gravels, Gravel - Sand Mixtures
			GP		Poorly Graded Gravels, Gravels - Sand Mixtures
		Gravels with over 12% fines	GM		Silty Gravels, Poorly Graded Gravel - Sand - Silt Mixtures
			GC		Clayey Gravels, Poorly Graded Gravel - Sand - Clay Mixtures
	SANDS (More than 50% of coarse fraction is smaller than #4 sieve size.)	Clean sands with little or no fines	SW		Well Graded Sands, Gravelly Sands
			SP		Poorly Graded Sands, Gravelly Sands
		Sands with over 12% fines	SM		Silty Sands, Poorly Graded Sand - Silt Mixtures
			SC		Clayey Sands, Poorly Graded Sand - Clay Mixtures
FINE GRAINED SOILS (>50% smaller than #200 sieve)	SILTS AND CLAYS (liquid limit less than 50)		ML		Inorganic Silts and Very Fine Sands, Silty or Clayey Fine Sands
			CL		Inorganic Clays of Low to Medium Plasticity; Gravelly, Sandy or Silty Clays; Lean Clays
			OL		Organic Clays and Organic Silty Clays of Low Plasticity
	SILTS AND CLAYS (liquid limit greater than 50)		MH		Inorganic Silts, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silts
			CH		Inorganic Clays of High Plasticity, Fat Clays
			OH		Organic Clays of Medium to High Plasticity, Organic Silts
HIGHLY ORGANIC SOILS			Pt		Peat and other Highly Organic Soils

- Stabilized water level (date)
- Water level encountered during drilling
- Shaded interval represents soil sample. Blackened interval indicates portion of sample prepared for laboratory analysis.
- Indicates no recovery of sample
- Monitoring well
- Soil boring

	Asphaltic Concrete
	Portland Cement Concrete
	Cement Grout

- PID Photo-ionization detector readings (ppmv)
- FID Flame-ionization detector readings (ppmv)
- EXP Gastech explosimeter readings (ppmv)

Holden Street



LOG OF BORING OW-1

Electro-Coatings, Inc.
 1401 and 1421 Park Avenue
 Emeryville, California

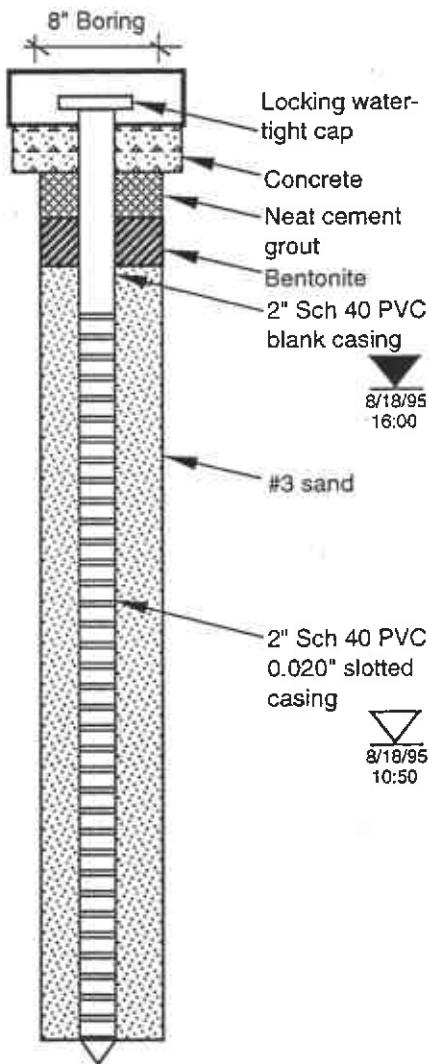
Project No.: RC0304.002
 Logged By: E.C. Crump
 Drilling Co.: Westex
 Driller: Tony Jaramillo

Date Drilled: August 18, 1995
 Drilling Method: 8" Hollow Stem Auger
 Sampling Method: 2" Split Spoon
 Driller's License: C57-552198

WELL CONSTRUCTION

Depth (ft.)
 Blows/ft.
 Samples
 Graphic

DESCRIPTION



Depth (ft.)	Blows/ft.	Samples	Graphic	DESCRIPTION
0				Asphaltic concrete.
40				SILTY SAND (SM); (7.5YR 3/4); dry to moist.
60				CLAYEY SAND (SC); dark greenish gray (5GY 4/1); 10-15% fines; trace gravel; dry to moist.
5				INORGANIC CLAY (CH); black (10YR 4/1) and very dark gray (10YR 3/1); stiff; moist.
56				
29				SANDY CLAY (CL); light yellowish brown (2.5Y 6/4); trace gravel; soft to medium-stiff; moist.
10				
34				SANDY SILT (ML); strong brown (7.5YR 5/8); and light yellowish brown (10YR 6/4); moist.
26				
15				@ 15 feet: very fine-grained sand; @ 15.5 feet: grayish brown (2.5Y 5/2); trace gravel.
27				
48				SAND (SW); dark brown (10YR 3/3); very coarse-grained; trace gravel.
34				
20				CLAYEY GRAVEL (GC); dark brown (10YR 3/3); wet.
				Total Depth Explored: 20 feet Date: 8/18/95
25				

Holden Street

OW-2

OW-1

DP-1

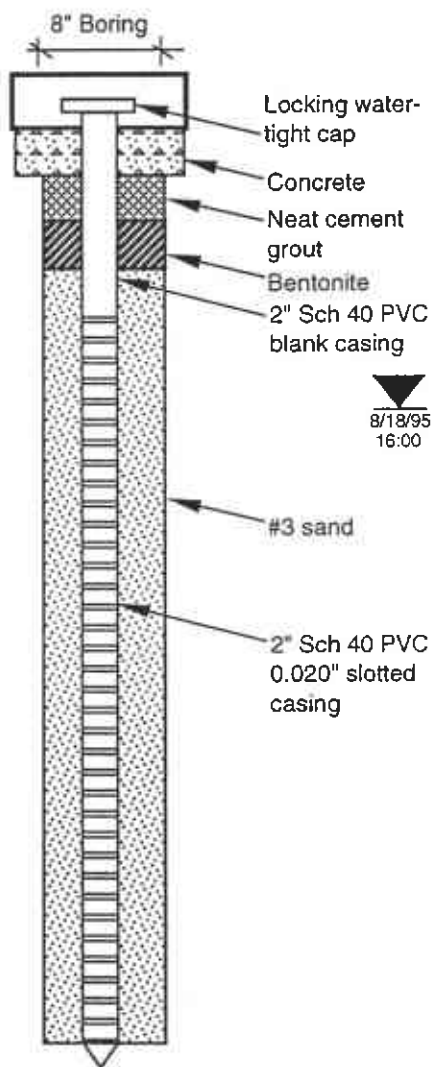
LOG OF BORING OW-2

Electro-Coatings, Inc.
1401 and 1421 Park Avenue
Emeryville, California

Project No.: RC0304.002
Logged By: E.C. Crump
Drilling Co.: Westex
Driller: Tony Jaramillo

Date Drilled: August 18, 1995
Drilling Method: 8" Hollow Stem Auger
Sampling Method: 2" Split Spoon
Driller's License: C57-552198

WELL CONSTRUCTION

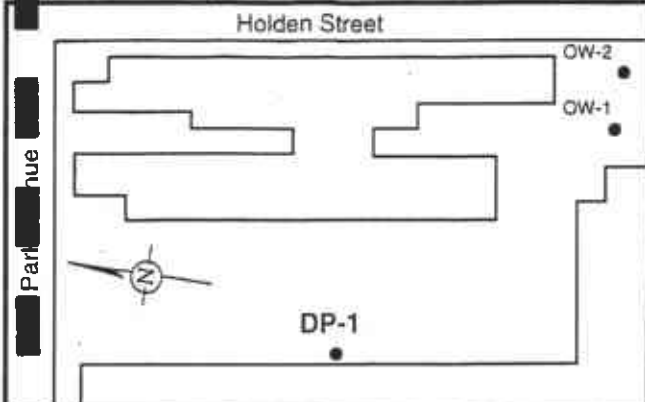


Depth (ft.)
Blows/ft.
Samples

Graphic

DESCRIPTION

Depth (ft.)	Blows/ft.	Graphic	DESCRIPTION
0			Asphaltic concrete.
40			CLAYEY SAND (SC); dark greenish gray (5GY 4/1); moist.
50/6"			SAND (SP); olive brown (2.5Y 4/4); poorly sorted.
5	34		CLAYEY GRAVEL (GC); black (10YR 2/1); slightly wet.
5	34		INORGANIC CLAY (CH); black (10YR 2/1); stiff; moist.
39			@ 7.5 feet: gray (2.5YR N5/).
10	68		SANDY CLAY (CL); light yellowish brown (2.5Y 6/4); trace gravel; moist.
51			
29			SANDY SILT (ML); light olive brown (2.5Y 5/2); moist.
15	28		CLAYEY GRAVEL (GC); grayish brown (2.5Y 5/2) and reddish brown (2.5YR 4/4); mottled.
35			SANDY SILT (ML); light olive brown (2.5Y 5/2); moist.
34			CLAYEY GRAVEL (GC); grayish brown (2.5Y 5/2) and reddish brown (2.5YR 4/4); mottled.
20			Total Depth Explored: 20 feet Date: 8/18/95 Time: 13:10
25			



LOG OF DRIVE POINT DP-1
Electro-Coatings, Inc.
1401 and 1421 Park Avenue
Emeryville, California

Project No.: RC0304.002 Date Drilled: August 18, 1995
 Logged By: E.C. Crump Drilling Method: Drive point
 Drilling Co.: Westex Sampling Method:
 Driller: Tony Jaramillo Driller's License: C57-552198

WELL CONSTRUCTION	Depth (ft.)	Graphic	DESCRIPTION
<p>1 1/4" galvanized pipe</p> <p>1" Sch 40 PVC 0.010" Slotted Casing</p> <p>Drive point</p> <p>1 1/4" Pipe</p> <p>8/18/95 16:00</p>	0 5 10 15 20 25		<p>Depth to Bottom: 20.5 feet Date: 8/18/95 Time: 3:45 p.m.</p>



Sequoia Analytical

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 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Graghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 1000 Marina Way South Sample Descript: Water, MW-1 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 24, 1996
 Attention: Paul Hehn Lab Number: 609-0757 Reported: Sep 30, 1996

QC Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	0.78
1,1-Dichloroethene.....	0.50	0.63
cis-1,2-Dichloroethene.....	0.50	1.9
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	14
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	72
4-Bromofluorobenzene.....	50 150.....	88

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

Melissa A. Brewer
 Client Services Representative



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 100 Marina Way South Sample Descript: Water, MW-3A Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 25, 1996
 Attention: Paul Hehn Lab Number: 609-0758 Reported: Sep 30, 1996

Batch Number: GC092596801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,3-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	80
4-Bromofluorobenzene.....	50 150	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.003
Sample Descript: Water, MW-4
Analysis Method: EPA 5030/8010
Lab Number: 609-0759

Sampled: Sep 13, 1996
Received: Sep 13, 1996
Analyzed: Sep 25, 1996
Reported: Sep 30, 1996

QC Batch Number: GC092596801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	410
trans-1,2-Dichloroethene.....	50	58
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	63
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	1,800
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	104
4-Bromofluorobenzene.....	50 150.....	95

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 100 Marina Way South Sample Descript: Water, MW-6 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 23, 1996
 Attention: Paul Hehn Lab Number: 609-0760 Reported: Sep 30, 1996

Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	64
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	480
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	62
4-Bromofluorobenzene.....	50 150.....	93

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Maghty & Miller, Inc.
100 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.003
Sample Descript: Water, MW-9
Analysis Method: EPA 5030/8010
Lab Number: 609-0761

Sampled: Sep 13, 1996
Received: Sep 13, 1996
Analyzed: Sep 24, 1996
Reported: Sep 30, 1996

Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,1-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	75
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	64
4-Bromofluorobenzene.....	50 150	89

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 100 Marina Way South Sample Descript: Water, MW-11 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 24, 1996
 Attention: Paul Hehn Lab Number: 609-0762 Reported: Sep 30, 1996

QC Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	0.60
1,2-Dichloroethane.....	0.50	1.0
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	3.5
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	0.73
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	6.0
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	72
4-Bromofluorobenzene.....	50 150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 1000 Marina Way South Sample Descript: Water, MW-12 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 25, 1996
 Attention: Paul Hehn Lab Number: 609-0763 Reported: Sep 30, 1996

QC Batch Number: GC092596801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	0.50	N.D.	
Bromoform.....	0.50	N.D.	
Bromomethane.....	1.0	N.D.	
Carbon tetrachloride.....	0.50	N.D.	
Chlorobenzene.....	0.50	N.D.	
Chloroethane.....	1.0	N.D.	
2-Chloroethylvinyl ether.....	1.0	N.D.	
Chloroform.....	0.50	N.D.	
Chloromethane.....	1.0	N.D.	
Dibromochloromethane.....	0.50	N.D.	
1,3-Dichlorobenzene.....	0.50	N.D.	
1,4-Dichlorobenzene.....	0.50	N.D.	
1,2-Dichlorobenzene.....	0.50	N.D.	
1,1-Dichloroethane.....	0.50	2.9	
1,2-Dichloroethane.....	0.50	1.9	
1,1-Dichloroethene.....	0.50	12	
cis-1,2-Dichloroethene.....	0.50	15	
trans-1,2-Dichloroethene.....	0.50	1.5	
1,2-Dichloropropane.....	0.50	N.D.	
cis-1,3-Dichloropropene.....	0.50	N.D.	
trans-1,3-Dichloropropene.....	0.50	N.D.	
Methylene chloride.....	5.0	N.D.	
1,1,1,2-Tetrachloroethane.....	0.50	N.D.	
Tetrachloroethene.....	0.50	2.3	
1,1,1-Trichloroethane.....	0.50	5.9	
1,1,2-Trichloroethane.....	0.50	N.D.	
Trichloroethene.....	0.50	23	
Trichlorofluoromethane.....	0.50	N.D.	
Vinyl chloride.....	1.0	N.D.	
Freon 113.....	0.50	N.D.	
Subrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	103
4-Bromofluorobenzene.....	50	150	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 1000 Marina Way South Sample Descript: Water, MW-13 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 23, 1996
 Attention: Paul Hehn Lab Number: 609-0764 Reported: Sep 30, 1996

QC Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	84
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	430
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	66
4-Bromofluorobenzene.....	50 150	92

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Gaughy & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 1000 Marina Way South Sample Descript: Water, MW-14 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 25, 1996
 Attention: Paul Hehn Lab Number: 609-0765 Reported: Sep 30, 1996

QC Batch Number: GC092596801006A
 Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	1,000	N.D.
Bromoform.....	1,000	N.D.
Bromomethane.....	2,000	N.D.
Carbon tetrachloride.....	1,000	N.D.
Chlorobenzene.....	1,000	N.D.
Chloroethane.....	2,000	N.D.
2-Chloroethylvinyl ether.....	2,000	N.D.
Chloroform.....	1,000	N.D.
Chloromethane.....	2,000	N.D.
Dibromochloromethane.....	1,000	N.D.
1,3-Dichlorobenzene.....	1,000	N.D.
1,4-Dichlorobenzene.....	1,000	N.D.
1,2-Dichlorobenzene.....	1,000	N.D.
1,1-Dichloroethane.....	1,000	N.D.
1,2-Dichloroethane.....	1,000	N.D.
1,1-Dichloroethene.....	1,000	N.D.
cis-1,2-Dichloroethene.....	1,000	N.D.
trans-1,2-Dichloroethene.....	1,000	N.D.
1,2-Dichloropropane.....	1,000	N.D.
cis-1,3-Dichloropropene.....	1,000	N.D.
trans-1,3-Dichloropropene.....	1,000	N.D.
Methylene chloride.....	10,000	N.D.
1,1,1,2-Tetrachloroethane.....	1,000	N.D.
Tetrachloroethene.....	1,000	N.D.
1,1,1-Trichloroethane.....	1,000	N.D.
1,1,2-Trichloroethane.....	1,000	N.D.
Trichloroethene.....	1,000	4,700
Trichlorofluoromethane.....	1,000	N.D.
Vinyl chloride.....	2,000	N.D.
Freon 113.....	1,000	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	84
4-Bromofluorobenzene.....	50 150	96

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Geoghty & Miller, Inc.	Client Project ID: #RC0304.003	Sampled: Sep 13, 1996
10 Marina Way South	Sample Descript: Water, MW-16	Received: Sep 13, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Sep 24, 1996
Attention: Paul Hehn	Lab Number: 609-0766	Reported: Sep 30, 1996

QC Batch Number: GC092396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	1,000	N.D.
Bromoform.....	1,000	N.D.
Bromomethane.....	2,000	N.D.
Carbon tetrachloride.....	1,000	N.D.
Chlorobenzene.....	1,000	N.D.
Chloroethane.....	2,000	N.D.
2-Chloroethylvinyl ether.....	2,000	N.D.
Chloroform.....	1,000	N.D.
Chloromethane.....	2,000	N.D.
Dibromochloromethane.....	1,000	N.D.
1,3-Dichlorobenzene.....	1,000	N.D.
1,4-Dichlorobenzene.....	1,000	N.D.
1,2-Dichlorobenzene.....	1,000	N.D.
1,1-Dichloroethane.....	1,000	N.D.
1,2-Dichloroethane.....	1,000	N.D.
1,1-Dichloroethene.....	1,000	N.D.
cis-1,2-Dichloroethene.....	1,000	2,200
trans-1,2-Dichloroethene.....	1,000	N.D.
1,2-Dichloropropane.....	1,000	N.D.
cis-1,3-Dichloropropene.....	1,000	N.D.
trans-1,3-Dichloropropene.....	1,000	N.D.
Methylene chloride.....	10,000	N.D.
1,1,1,2-Tetrachloroethane.....	1,000	N.D.
Tetrachloroethene.....	1,000	N.D.
1,1,1-Trichloroethane.....	1,000	N.D.
1,1,2-Trichloroethane.....	1,000	N.D.
Trichloroethene.....	1,000	11,000
Trichlorofluoromethane.....	1,000	N.D.
Vinyl chloride.....	2,000	N.D.
Freon 113.....	1,000	1,100
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	58
4-Bromofluorobenzene.....	50 150	88

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 100 Marina Way South Sample Descript: Water, MW-17 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 23, 1996
 Attention: Paul Hehn Lab Number: 609-0767 Reported: Sep 30, 1996

QC Batch Number: GC092396801007A
 Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	410
cis-1,2-Dichloroethene.....	200	N.D.
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,1,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	1,900
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.
Freon 113.....	200	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	67
4-Bromofluorobenzene.....	50 150.....	93

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

Melissa A. Brewer
 Client Services Representative



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Glenghy & Miller, Inc. Client Project ID: #RC0304.003 Sampled: Sep 13, 1996
 1000 Marina Way South Sample Descript: Water, MW-20 Received: Sep 13, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Sep 25, 1996
 Attention: Paul Hehn Lab Number: 609-0768 Reported: Sep 30, 1996

QC Batch Number: GC092596801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	1000.00	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	118
4-Bromofluorobenzene.....	50 150	98

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

Melissa A. Brewer
 Client Services Representative



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FAX (916) 921-0100

Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.003
Sample Descript: Water
Analysis for: Dissolved Chromium
First Sample #: 609-0757

Sampled: Sep 13, 1996
Received: Sep 13, 1996
Digested: Sep 16, 1996
Analyzed: Sep 16, 1996
Reported: Sep 30, 1996

LABORATORY ANALYSIS FOR: Dissolved Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
609-0757	MW-1	0.010	0.33	ME0916962007MDA	MV-3
609-0758	MW-3A	0.010	N.D.	ME0916962007MDA	MV-3
609-0759	MW-4	0.010	14	ME0916962007MDA	MV-3
609-0760	MW-6	0.010	46	ME0916962007MDA	MV-3
609-0761	MW-9	0.010	56	ME0916962007MDA	MV-3
609-0762	MW-11	0.010	0.17	ME0916962007MDA	MV-3
609-0763	MW-12	0.010	0.26	ME0916962007MDA	MV-3
609-0764	MW-13	0.010	160	ME0916962007MDA	MV-3
609-0765	MW-14	0.010	100	ME0916962007MDA	MV-3
609-0766	MW-16	0.010	60	ME0916962007MDA	MV-3
609-0767	MW-17	0.010	130	ME0916962007MDA	MV-3
609-0768	MW-20	0.010	0.12	ME0916962007MDA	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.003
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 609-0757

Sampled: Sep 13, 1996
Received: Sep 13, 1996
Analyzed: Sep 13, 1996
Reported: Sep 30, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
609-0757	MW-1	0.0050	N.D.	IN0913967196I3A	INSPC-1
609-0758	MW-3A	0.0050	N.D.	IN0913967196I3A	INSPC-1
609-0759	MW-4	0.0050	1.4	IN0913967196I3A	INSPC-1
609-0760	MW-6	0.0050	4.4	IN0913967196I3A	INSPC-1
609-0761	MW-9	0.0050	5.8	IN0913967196I3A	INSPC-1
609-0762	MW-11	0.0050	0.0060	IN0913967196I3A	INSPC-1
609-0763	MW-12	0.0050	N.D.	IN0913967196I3A	INSPC-1
609-0764	MW-13	0.0050	13	IN0913967196I3B	INSPC-1
609-0765	MW-14	0.0050	9.7	IN0913967196I3B	INSPC-1
609-0766	MW-16	0.0050	6.4	IN0913967196I3B	INSPC-1
609-0767	MW-17	0.0050	12	IN0913967196I3B	INSPC-1
609-0768	MW-20	0.0050	N.D.	IN0913967196I3B	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Maghty & Miller, Inc.
 1100 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.003
 Matrix: Liquid

QC Sample Group: 6090757-768

Reported: Sep 30, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC092396 801007A	GC092396 801007A	GC092396 801007A	GC092396 801007A	GC092396 801007A	GC092396 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	P. Horton	P. Horton	P. Horton	P. Horton	P. Horton	P. Horton
MS/MSD #:	6090534	6090534	6090534	6090534	6090534	6090534
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/23/96	9/23/96	9/23/96	9/23/96	9/23/96	9/23/96
Analyzed Date:	9/23/96	9/23/96	9/23/96	9/23/96	9/23/96	9/23/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	11	10	9.8	11	10	9.8
MS % Recovery:	107	104	98	107	104	98
Dup. Result:	11	12	9.7	11	12	9.7
MSD % Recov.:	111	116	97	111	116	97
RPD:	3.7	11	1.0	3.7	11	1.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-25

LCS #:	LCS092396	LCS092396	LCS092396	LCS092496	LCS092496	LCS092496
Prepared Date:	9/23/96	9/23/96	9/23/96	9/24/96	9/24/96	9/24/96
Analyzed Date:	9/23/96	9/23/96	9/23/96	9/24/96	9/24/96	9/24/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	12	9.4	9.7	11	9.1	9.7
LCS % Recov.:	116	94	97	113	91	97

MS/MSD LCS Control Limits	65-135	70-130	70-130	65-135	70-130	70-130
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271
 Melissa A. Brewer
 Client Services Representative



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Graghty & Miller, Inc.
 1100 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.003
 Matrix: Liquid

QC Sample Group: 6090757-768

Reported: Sep 30, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC092596 801006A	GC092596 801006A	GC092596 801006A	GC092596 801006A	GC092596 801006A	GC092596 801006A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	P. Horton	P. Horton	P. Horton	P. Horton	P. Horton	P. Horton
MS/MSD #:	6090788	6090788	6090788	6090788	6090788	6090788
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/25/96	9/25/96	9/25/96	9/25/96	9/25/96	9/25/96
Analyzed Date:	9/25/96	9/25/96	9/25/96	9/25/96	9/25/96	9/25/96
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-6	HP-6	HP-6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	11	8.5	9.0	11	8.5	9.0
MS % Recovery:	105	85	90	105	85	90
Dup. Result:	11	8.6	9.0	11	8.6	9.0
MSD % Recov.:	111	86	90	111	86	90
RPD:	5.6	1.2	0.0	5.6	1.2	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-25

LCS #:	LCS092596	LCS092596	LCS092596	LCS092696	LCS092696	LCS092696
Prepared Date:	9/25/96	9/25/96	9/25/96	9/26/96	9/25/96	9/26/96
Analyzed Date:	9/25/96	9/25/96	9/25/96	9/26/96	9/26/96	9/26/96
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-6	HP-6	HP-6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	10	8.7	9.4	11	8.6	9.2
LCS % Recov.:	104	87	94	105	86	92

MS/MSD	LCS	65-135	70-130	70-130	65-135	70-130	70-130
Control Limits							

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271
Melissa A. Brewer
 Melissa A. Brewer
 Client Services Representative



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Glavin & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.003
 Matrix: Liquid

QC Sample Group: 6090757-768

Reported: Sep 30, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Hexavalent Chromium	Hexavalent Chromium	Dissolved Chromium
QC Batch#:	IN091396 719613A	IN091396 719613B	ME091696 2007MDA
Analy. Method:	EPA 7196	EPA 7196	EPA 200.7
Prep. Method:	EPA 7196	EPA 7196	EPA 200.7
Analyst:	Y. Borinshteyn	Y. Borinshteyn	J. Kelly
MS/MSD #:	6090763	6090768	6090597
Sample Conc.:	N.D.	N.D.	100 mg/L
Prepared Date:	9/13/96	9/13/96	9/16/96
Analyzed Date:	9/13/96	9/13/96	9/16/96
Instrument I.D.#:	INSPC-1	INSPC-1	MV-3
Conc. Spiked:	0.050 mg/L	0.050 mg/L	1.0 mg/L
Result:	0.050	0.049	97
MS % Recovery:	100	98	-
Dup. Result:	0.050	0.050	98
MSD % Recov.:	100	100	-
RPD:	0.0	2.0	1.0
RPD Limit:	0-20	0-20	0-20

LCS #:	LCS091396	LCS091396B	LCS091696
Prepared Date:	9/13/96	9/13/96	9/16/96
Analyzed Date:	9/13/96	9/13/96	9/16/96
Instrument I.D.#:	INSPC-1	INSPC-1	MV-3
Conc. Spiked:	0.050 mg/L	0.050 mg/L	1.0 mg/L
LCS Result:	0.046	0.046	1.0
LCS % Recov.:	92	92	100

MS/MSD			
LCS	80-120	80-120	80-120
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

Melissa A. Brewer
 Client Services Representative

Project Number R00301003
 Project Location ECI/EMERYVILLE
 Laboratory SEGUOIA
 Sampler(s)/Affiliation GTL

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TOTAL DISSOLVED CHROMIUM (200-7)	DISTILLED HEXAVALENT CHROMIUM (7196)	HALOGENATED VOLATILE ORGANICS (8010)						TOTAL
MW-1	L	9/13 8:25		+	+	+						
MW-3A		10:22		+	+	+					6090757	5
MW-4		9:15		+	+	+					6090758	5
MW-6		8:45		+	+	+					6090759	5
MW-9		9:55		+	+	+					6090760	5
MW-11		10:30		+	+	+					6090761	5
MW-12		10:10		+	+	+					6090762	5
MW-13		9:35		+	+	+					6090763	5
MW-14		9:45		+	+	+					6090764	5
MW-16		8:40		+	+	+					6090765	5
MW-17		9:00		+	+	+					6090766	5
MW-20	✓	9:25		+	+	+					6090767	5
											6090768	5
											6090769	AM
											6090770	AM
											6090771	AM

FR 28

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 60

Relinquished by: [Signature] Organization: Geotechnical & Miller Date: 9/13/96 Time: 11:25
 Received by: SAZZ J. Lawson Organization: US Delivery # 68 Date: 9/13/96 Time: 11:25

Relinquished by: Josh Lawson Organization: US Delivery 68 Date: 9/13/96 Time: 13:10
 Received by: [Signature] Organization: AM JWC Date: 9/13/96 Time: 13:05

Seal Intact? Yes No N/A
 Seal Intact? Yes No N/A

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier USB Lab Courier Other



Sequoia Analytical

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Garaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Teresa Payne	Client Project ID: #RC0304.002 Sample Descript: Water, MW-3A Analysis Method: EPA 5030/8010 Lab Number: 606-0945	Sampled: Jun 12, 1996 Received: Jun 12, 1996 Analyzed: Jun 14, 1996 Reported: Jun 19, 1996
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QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Subrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150.....	73
4-Bromofluorobenzene.....	50	150.....	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth A. Wimer
Project Manager



Sequoia Analytical

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Gaughy & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Teresa Payne

Client Project ID: #RC0304.002
Sample Descript: Water, MW-12
Analysis Method: EPA 5030/8010
Lab Number: 606-0946

Sampled: Jun 12, 1996
Received: Jun 12, 1996
Analyzed: Jun 14, 1996
Reported: Jun 19, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	1.0	N.D.
Bromoform.....	1.0	N.D.
Bromomethane.....	2.0	N.D.
Carbon tetrachloride.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
Chloroethane.....	2.0	N.D.
2-Chloroethylvinyl ether.....	2.0	N.D.
Chloroform.....	1.0	N.D.
Chloromethane.....	2.0	N.D.
Dibromochloromethane.....	1.0	N.D.
1,3-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
1,1-Dichloroethane.....	1.0	1.6
1,2-Dichloroethane.....	1.0	1.4
1,1-Dichloroethene.....	1.0	3.9
cis-1,2-Dichloroethene.....	1.0	39
trans-1,2-Dichloroethene.....	1.0	1.4
1,2-Dichloropropane.....	1.0	N.D.
cis-1,3-Dichloropropene.....	1.0	N.D.
trans-1,3-Dichloropropene.....	1.0	N.D.
Methylene chloride.....	10	N.D.
1,1,2-Tetrachloroethane.....	1.0	N.D.
Tetrachloroethene.....	1.0	N.D.
1,1,1-Trichloroethane.....	1.0	2.6
1,1,2-Trichloroethane.....	1.0	N.D.
Trichloroethene.....	1.0	2.7
Trichlorofluoromethane.....	1.0	N.D.
Vinyl chloride.....	2.0	13

Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	71
4-Bromofluorobenzene.....	50 150	92

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wiener
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Teresa Payne

Client Project ID: #RC0304.002
 Sample Descript: Water
 Analysis for: Chromium
 First Sample #: 606-0945

Sampled: Jun 12, 1996
 Received: Jun 12, 1996
 Digested: Jun 13, 1996
 Analyzed: Jun 19, 1996
 Reported: Jun 26, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0945	MW-3A	0.010	0.051	ME0613962007MDA	MV-3
606-0946	MW-12	0.010	0.13	ME0613962007MDA	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Teresa Payne	Client Project ID: #RC0304.002 Sample Descript: Water Analysis for: Hexavalent Chromium First Sample #:	Sampled: Jun 12, 1996 Received: Jun 12, 1996 Analyzed: Jun 13, 1996 Reported: Jun 26, 1996
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LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
000-0000	MW-3A	0.0050	N.D.	IN0613967196I3A	INSPC-1
000-0001	MW-12	0.0050	0.016	IN0613967196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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Redwood City, CA 94063
Walnut Creek, CA 94598
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FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Graghty & Miller, Inc.
100 Marina Way South
Richmond, CA 94804
Attention: Teresa Payne

Client Project ID: #RC0304.002
Matrix: Liquid

QC Sample Group: 6060945-946

Reported: Jun 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC061496 801007A	GC061496 801007A	GC061496 801007A	ME061396 2007MDA	IN061396 719613A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	J. Kelly	Y. Borinshteyn
MS/MSD #:	6060464	6060464	6060464	6060590	6060945
Sample Conc.:	N.D.	N.D.	N.D.	45 mg/L	N.D.
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/13/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/13/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INPSC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	7.8	8.4	7.4	47	0.048
MS % Recovery:	78	85	74	-	96
Dup. Result:	7.6	8.5	7.5	42	0.050
MSD % Recov.:	76	85	75	-	100
RPD:	2.6	1.2	1.3	11	4.1
RPD Limit:	0-25	0-25	0-25	0-20	0-20

LCS #:	LCS061496	LCS061496	LCS061496	LCS061396	LCS061396
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/13/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/19/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INPSC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	6.9	7.2	7.2	0.87	0.048
LCS % Recov.:	69	72	72	87	96

MS/MSD Control Limits	65-135	70-130	70-130	80-120	70-130
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

9606242

Project Number PC0304-002
 Project Location ERI Emeryville
 Laboratory Seyoia
 Sampler(s)/Affiliation Geoghty, a Miller
G. Crowley

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION					TOTAL
				Total Chromium 200-7	Hexavalent Chromium 2196	Halogenated Volatile Organics 8010			
MW-3A	L	6/12/7:00		X	X	X	6060945 A-E	5	
MW-12	L	6/12/6:50		X	X	X	6060946 ↓	5	
								3825	
Note - 24 HR HOLD TIME ON CHROM IV									

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

10

Relinquished by: <u>[Signature]</u>	Organization: <u>Geoghty a Miller</u>	Date: <u>6/12/96</u> Time: <u>12:05</u>	Seal Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>[Signature]</u>	Organization: <u>SAL</u>	Date: <u>6/12/96</u> Time: <u>12:05</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>SAL</u>	Date: <u>6/12/96</u> Time: <u>18:10</u>	Seal Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>[Signature]</u>	Organization: <u>SAL</u>	Date: <u>6/12/96</u> Time: <u>18:00</u>	

Special Instructions/Remarks:

~~24 Hour Turnaround~~ FAX TO T. PAYNE

Delivery Method: In Person Common Carrier Lab Courier Other



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Client Project ID: #RC0304.002
 Sample Descript: Water, MW-13
 Analysis Method: EPA 5030/8010
 Lab Number: 606-0784
 Sampled: Jun 11, 1996
 Received: Jun 11, 1996
 Analyzed: Jun 14, 1996
 Reported: Jun 21, 1996

Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,1-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	250
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	70
4-Bromofluorobenzene.....	50	150	88

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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Geoghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Jun 11, 1996
1000 Marina Way South	Sample Descript: Water, MW-20	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number: 606-0785	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1,1-Trichloroethane.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	83
4-Bromofluorobenzene.....	50 150.....	88

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Grayhly & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Sample Descript: Water, MW-4
 Analysis Method: EPA 5030/8010
 Lab Number: 606-0786

Sampled: Jun 11, 1996
 Received: Jun 11, 1996
 Analyzed: Jun 14, 1996
 Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	200	N.D.
2-Chloroethylvinyl ether.....	200	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	100	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	N.D.
cis-1,2-Dichloroethene.....	100	280
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Methylene chloride.....	1,000	N.D.
1,1,1,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	3,100
Trichlorofluoromethane.....	100	N.D.
Vinyl chloride.....	200	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane.....	50	150	74
4-Bromofluorobenzene.....	50	150	87

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
 Product Manager



Sequoia Analytical

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Craghty & Miller, Inc.
1550 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, MW-6
Analysis Method: EPA 5030/8010
Lab Number: 606-0787

Sampled: Jun 11, 1996
Received: Jun 11, 1996
Analyzed: Jun 14, 1996
Reported: Jun 21, 1996

Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,1-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	300
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	79
4-Bromofluorobenzene.....	50 150	86

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Winger
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Jun 11, 1996
1000 Marina Way South	Sample Descript: Water, MW-17	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number: 606-0788	Reported: Jun 21, 1996

Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,1-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	270
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Substrates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	74
4-Bromofluorobenzene.....	50 150	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Jun 11, 1996
1000 Marina Way South	Sample Descript: Water, MW-16	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number: 606-0789	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	N.D.
cis-1,2-Dichloroethene.....	200	2,100
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,1,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	9,700
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	440

Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	80
4-Bromofluorobenzene.....	50 150	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Winner
 Project Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Graghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Jun 11, 1996
 1530 Marina Way South Sample Descript: Water, MW-18 Received: Jun 11, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Jun 14, 1996
 Attention: Ted Crump Lab Number: 606-0790 Reported: Jun 21, 1996

Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,1-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethene.....	50	200
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	95
4-Bromofluorobenzene.....	50 150	93

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Winder
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Greaghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Jun 11, 1996
1000 Marina Way South	Sample Descript: Water, MW-18A	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number: 606-0791	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	72
4-Bromofluorobenzene.....	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Winger
 Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Description: Water
Analysis for: Chromium
First Sample #: 606-0784

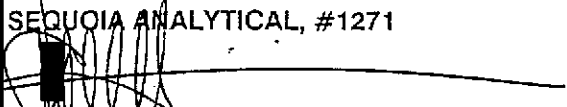
Sampled: Jun 11, 1996
Received: Jun 11, 1996
Digested: Jun 13, 1996
Analyzed: Jun 13, 1996
Reported: Jun 21, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0784	MW-13	0.010	170	ME0613962007MDA	MV-3
606-0785	MW-20	0.010	0.096	ME0613962007MDA	MV-3
606-0786	MW-4	0.010	5.4	ME0613962007MDA	MV-3
606-0787	MW-6	0.010	41	ME0613962007MDA	MV-3
606-0788	MW-17	0.010	130	ME0613962007MDA	MV-3
606-0789	MW-16	0.010	67	ME0613962007MDA	MV-3
606-0790	MW-18	0.010	19	ME0613962007MDA	MV-3
606-0791	MW-18A	0.010	0.038	ME0613962007MDA	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Sample Descript: Water
 Analysis for: Hexavalent Chromium
 First Sample #: 606-0784


Sampled: Jun 11, 1996
 Received: Jun 11, 1996
 Analyzed: Jun 11, 1996
 Reported: Jun 21, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0784	MW-13	0.0050	160	IN0611967196I3A	INSPC-1
606-0785	MW-20	0.0050	N.D.	IN0611967196I3A	INSPC-1
606-0786	MW-4	0.0050	9.1	IN0611967196I3A	INSPC-1
606-0787	MW-6	0.0050	44	IN0611967196I3A	INSPC-1
606-0788	MW-17	0.0050	150	IN0611967196I3A	INSPC-1
606-0789	MW-16	0.0050	20	IN0611967196I3A	INSPC-1
606-0790	MW-18	0.0050	17	IN0611967196I3A	INSPC-1
606-0791	MW-18A	0.0050	N.D.	IN0611967196I3A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Product Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Graghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 6060784-791

Reported: Jun 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC061496 801007A	GC061496 801007A	GC061496 801007A	ME061396 2007MDA	IN061196 719613A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	J. Kelly	R. Salinas
MS/MSD #:	6060464	6060464	6060464	6060590	6060791
Sample Conc.:	N.D.	N.D.	N.D.	45 mg/L	N.D.
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/11/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/11/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	7.8	8.4	7.4	47	0.052
MS % Recovery:	78	84	74	-	104
Dup. Result:	7.6	8.5	7.5	42	0.055
MSD % Recov.:	76	85	75	-	110
RPD:	2.6	1.2	1.3	11	5.6
RPD Limit:	0-25	0-25	0-25	0-20	0-20

LCS #:	LCS061496	LCS061496	LCS061496	LCS061396	LCS061196
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/11/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/11/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	6.9	7.2	7.2	0.87	0.053
LCS % Recov.:	69	72	72	87	106

MS/MSD LCS Control Limits	65-135	70-130	70-130	80-120	70-130
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
 Project Manager

Project Number RC0307-002
 Project Location ECI/Emeryville
 Laboratory Seyoia
 Sampler(s)/Affiliation Geraghty & Miller
G. Crowley

				SAMPLE BOTTLE / CONTAINER DESCRIPTION										
				Total Chromium 200-7	Hexavalent Chromium 7196	Halogenated Volatile Organics 8010								

DATE/TIME SAMPLED
 SAMPLE IDENTITY Code Lab ID

				SAMPLE BOTTLE / CONTAINER DESCRIPTION								TOTAL			
MW-13	L	6/11 12:40		X	X	X							6060784	AE	5
MW-20	L	6/11 12:30		X	X	X							6060785		5
MW-4	L	6/11 12:20		X	X	X							6060786		5
MW-6	L	6/11 10:20		X	X	X							6060787		5
MW-17	L	6/11 10:00		X	X	X							6060788		5
MW-16	L	6/11 9:45		X	X	X							6060789		5
MW-18	L	6/11 8:30		X	X	X							6060790		5
MW-18A	L	6/11 8:15		X	X	X							6060791	✓	5
24 Hr. hold time on CHROM IV															

TO 50

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers 40

Relinquished by: <u>[Signature]</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>6/11/96</u> Time: <u>1555</u>	Seal Intact? Yes/No/N/A
Received by: <u>[Signature]</u>	Organization: <u>3020</u>	Date: <u>6/11/96</u> Time: <u>1355</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>hac</u>	Date: <u>6/11/96</u> Time: <u>1515</u>	Seal Intact? Yes/No/N/A
Received by: <u>[Signature]</u>	Organization: <u>Seq</u>	Date: <u>6/11/96</u> Time: <u>1515</u>	

Special Instructions/Remarks:
~~* 24 Hr. hold time on CHROM IV *~~

Delivery Method: In Person Common Carrier Lab Courier Other



Geraghty & Miller
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Proj. ID: RC0304.002/ ElectroCoating
Lab Proj. ID: 9605585


Sampled: 05/09/96
Received: 05/09/96
Analyzed: see below
Reported: 05/23/96

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9605585-01				
Sample Desc: LIQUID,MW-10				
Chromium	mg/L	05/14/96	0.010	11
Chromium VI	mg/L	05/10/96	0.050	N.D.

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mil Gregory
Project Manager





Geraghty & Miller
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Proj. ID: RC0304.002/ ElectroCoating
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9605585-01

Sampled: 05/09/96
Received: 05/09/96
Analyzed: 05/21/96
Reported: 05/23/96

Batch Number: GC052196801009A
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	250	N.D.
Bromoform	250	N.D.
Bromomethane	500	N.D.
Carbon Tetrachloride	250	N.D.
Chlorobenzene	250	N.D.
Chloroethane	500	N.D.
2-Chloroethylvinyl ether	500	N.D.
Chloroform	250	N.D.
Chloromethane	500	N.D.
Bromochloromethane	250	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
1,1-Dichloroethane	250	N.D.
1,2-Dichloroethane	250	N.D.
1,1-Dichloroethene	250	890
trans-1,2-Dichloroethene	250	8700
cis-1,2-Dichloroethene	250	N.D.
1,2-Dichloropropane	250	N.D.
cis-1,3-Dichloropropene	250	N.D.
trans-1,3-Dichloropropene	250	N.D.
1,1,1-Trichloroethane	2500	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	250	N.D.
1,1,1-Trichloroethane	250	460
1,1,2-Trichloroethane	250	N.D.
1,1,1-Trichloroethene	250	4400
Trichlorofluoromethane	250	N.D.
Vinyl chloride	500	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.002/Electro Coating
Matrix: Liquid

Work Order #: 9605585 -01

Reported: May 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC052096801009A	GC052096801009A	GC052096801009A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

	R. Vincent	R. Vincent	R. Vincent
Analyst:	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	9605839-01	9605839-01	9605839-01
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	5/20/96	5/20/96	5/20/96
Analyzed Date:	5/20/96	5/20/96	5/20/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
Result:	22	21	21
MS % Recovery:	88	84	84
Dup. Result:	23	23	23
MSD % Recov.:	92	92-	92
RPD:	4.4	9.1	9.1
RPD Limit:	0-25	0-25	0-25

LCS #:	VBLK052196BS	VBLK052196BS	VBLK052196BS
Prepared Date:	5/21/96	5/21/96	5/21/96
Analyzed Date:	5/21/96	5/21/96	5/21/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
LCS Result:	22	23	22
LCS % Recov.:	88	92	88

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS= Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager





Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.002/Electro Coating
Matrix: Liquid

Work Order #: 9605585 -01

Reported: May 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0513966010MDA	ME0513966010MDA	ME0513966010MDA	ME0513966010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010

Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9605463-11	9605463-11	9605463-11	9605463-11
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/13/96	5/13/96	5/13/96	5/13/96
Analyzed Date:	5/13/96	5/13/96	5/13/96	5/13/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.94	0.91	0.91	0.92
MS % Recovery:	94	91	91	92
Dup. Result:	0.97	0.95	0.94	0.95
MSD % Recov.:	97	95	94	95
RPD:	3.1	4.3	3.2	3.2
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	BLK051396	BLK051396	BLK051396	BLK051396
Prepared Date:	5/13/96	5/13/96	5/13/96	5/13/96
Analyzed Date:	5/13/96	5/13/96	5/13/96	5/13/96
Instrument I.D.#:	MTJA1	MTJA1	MTJA1	MTJA1
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	0.99	1.0
LCS % Recov.:	100	100	99	100

MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9605585.GER <2>



Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.002/Electro Coating
Matrix: Liquid

Work Order #: 9605585 -01

Reported: May 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Hexavalent Chromium
QC Batch#:	IN051096719600A
Analy. Method:	EPA 7196
Prep. Method:	N.A.

Analyst: S. Chin
MS/MSD #: 9605557-02
Sample Conc.: N.D.
Prepared Date: 5/10/96
Analyzed Date: 5/10/96
Instrument I.D.#: MANUAL
Conc. Spiked: 0.50 mg/L

Result: 0.42
MS % Recovery: 84

Dup. Result: 0.43
MSD % Recov.: 86

RPD: 2.4
RPD Limit: 0-30

LCS #: BLK051096

Prepared Date: 5/10/96
Analyzed Date: 5/10/96
Instrument I.D.#: MANUAL
Conc. Spiked: 0.50 mg/L

LCS Result: 0.51
LCS % Recov.: 102

MS/MSD	70-130
LCS	80-120
Control Limits	

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9605585.GER <3>



Std TAT

Project Number RC0304-002
 Project Location Electro Coating Emeryville
 Laboratory Sequoia Redwood City
 Sampler(s)/Affiliation Geraghty & Miller G. Crowl

SAMPLE BOTTLE / CONTAINER DESCRIPTION										
	Total Chromium	Chromium III	Halogenated Volatile Organics							9605585
SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID							TOTAL

MW-10	L	5/9	1	X	X	X					6

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: <u>Mays</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>5/9/96</u> Time: <u>1140</u>	Seal Intact? Yes No (N/A)
Received by: _____	Organization: _____	Date: <u>1/1</u> Time: _____	Yes No (N/A)
Relinquished by: _____	Organization: _____	Date: <u>1/1</u> Time: _____	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>5/9/96</u> Time: <u>1140</u>	Yes No N/A

Special Instructions/Remarks:
Send results to Ted Ciump Geraghty & Miller
Note short hold time for Chromium

Delivery Method: In Person Common Carrier Lab Courier Other



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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Paul Hehn	Client Project ID: #RC0304.002 Sample Descript: Water, MW-3A Analysis Method: EPA 5030/8010 Lab Number: 603-0458	Sampled: Mar 8, 1996 Received: Mar 8, 1996 Analyzed: Mar 14, 1996 Reported: Mar 19, 1996
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QC Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	190
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	N.D.
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	116
4-Bromofluorobenzene.....	50 150.....	81

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Geraghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Mar 8, 1996
1000 Marina Way South	Sample Descript: Water, MW-4	Received: Mar 8, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Mar 14, 1996
Attention: Paul Hehn	Lab Number: 603-0459	Reported: Mar 19, 1996

QC Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	50	N.D.	
Bromoform.....	50	N.D.	
Bromomethane.....	100	N.D.	
Carbon tetrachloride.....	50	N.D.	
Chlorobenzene.....	50	N.D.	
Chloroethane.....	100	N.D.	
2-Chloroethylvinyl ether.....	100	N.D.	
Chloroform.....	50	N.D.	
Chloromethane.....	100	N.D.	
Dibromochloromethane.....	50	N.D.	
1,3-Dichlorobenzene.....	50	N.D.	
1,4-Dichlorobenzene.....	50	N.D.	
1,2-Dichlorobenzene.....	50	N.D.	
1,1-Dichloroethane.....	50	N.D.	
1,2-Dichloroethane.....	50	N.D.	
1,1-Dichloroethene.....	50	N.D.	
cis-1,2-Dichloroethene.....	50	360	
trans-1,2-Dichloroethene.....	50	N.D.	
1,2-Dichloropropane.....	50	N.D.	
cis-1,3-Dichloropropene.....	50	N.D.	
trans-1,3-Dichloropropene.....	50	N.D.	
Methylene chloride.....	500	N.D.	
1,1,1,2-Tetrachloroethane.....	50	N.D.	
Tetrachloroethene.....	50	84	
1,1,1-Trichloroethane.....	50	N.D.	
1,1,2-Trichloroethane.....	50	N.D.	
Trichloroethene.....	50	3,100	
Trichlorofluoromethane.....	50	N.D.	
Vinyl chloride.....	100	N.D.	
Freon 113.....	50	N.D.	
Subrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150.....	103
4-Bromofluorobenzene.....	50	150.....	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water, MW-6
Analysis Method: EPA 5030/8010
Lab Number: 603-0460

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Analyzed: Mar 14, 1996
Reported: Mar 19, 1996

QC Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	290
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	91
4-Bromofluorobenzene.....	50 150.....	88

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Garaghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Mar 8, 1996
 1560 Marina Way South Sample Descript: Water, MW-12 Received: Mar 8, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Mar 14, 1996
 Attention: Paul Hehn Lab Number: 603-0461 Reported: Mar 19, 1996

Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,2-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
1,1,1-Trichloroethene.....	50	850
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	N.D.
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Fluon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	82
4-Bromofluorobenzene.....	50 150.....	83

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Graghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Mar 8, 1996
1000 Marina Way South	Sample Descript: Water, MW-13	Received: Mar 8, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Mar 14, 1996
Attention: Paul Hehn	Lab Number: 603-0462	Reported: Mar 19, 1996

QC Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	57
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	270
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	83
4-Bromofluorobenzene.....	50 150.....	84

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Geoghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Mar 8, 1996
 10 Marina Way South Sample Descript: Water, MW-16 Received: Mar 8, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Mar 15, 1996
 Attention: Paul Hehn Lab Number: 603-0463 Reported: Mar 19, 1996

QC Batch Number: GC031596801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	200	N.D.	
Bromoform.....	200	N.D.	
Bromomethane.....	400	N.D.	
Carbon tetrachloride.....	200	N.D.	
Chlorobenzene.....	200	N.D.	
Chloroethane.....	400	N.D.	
2-Chloroethylvinyl ether.....	400	N.D.	
Chloroform.....	200	N.D.	
Chloromethane.....	400	N.D.	
Dibromochloromethane.....	200	N.D.	
1,3-Dichlorobenzene.....	200	N.D.	
1,4-Dichlorobenzene.....	200	N.D.	
1,2-Dichlorobenzene.....	200	N.D.	
1,1-Dichloroethane.....	200	N.D.	
1,2-Dichloroethane.....	200	N.D.	
1,1-Dichloroethene.....	200	460	
cis-1,2-Dichloroethene.....	200	2,400	
trans-1,2-Dichloroethene.....	200	N.D.	
1,2-Dichloropropane.....	200	N.D.	
cis-1,3-Dichloropropene.....	200	N.D.	
trans-1,3-Dichloropropene.....	200	N.D.	
Methylene chloride.....	2,000	N.D.	
1,1,1,2-Tetrachloroethane.....	200	N.D.	
Tetrachloroethene.....	200	N.D.	
1,1,1-Trichloroethane.....	200	N.D.	
1,1,2-Trichloroethane.....	200	N.D.	
Trichloroethene.....	200	9,900	
Trichlorofluoromethane.....	200	N.D.	
Vinyl chloride.....	400	N.D.	
Freon 113.....	200	N.D.	
Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	102
4-Bromofluorobenzene.....	50	150	94

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Garaghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Mar 8, 1996
1000 Marina Way South	Sample Descript: Water, MW-17	Received: Mar 8, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Mar 14, 1996
Attention: Paul Hehn	Lab Number: 603-0464	Reported: Mar 19, 1996

QC Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	50	N.D.	
Bromoform.....	50	N.D.	
Bromomethane.....	100	N.D.	
Carbon tetrachloride.....	50	N.D.	
Chlorobenzene.....	50	N.D.	
Chloroethane.....	100	N.D.	
2-Chloroethylvinyl ether.....	100	N.D.	
Chloroform.....	50	N.D.	
Chloromethane.....	100	N.D.	
Dibromochloromethane.....	50	N.D.	
1,3-Dichlorobenzene.....	50	N.D.	
1,4-Dichlorobenzene.....	50	N.D.	
1,2-Dichlorobenzene.....	50	N.D.	
1,1-Dichloroethane.....	50	N.D.	
1,2-Dichloroethane.....	50	N.D.	
1,1-Dichloroethene.....	50	N.D.	
cis-1,2-Dichloroethene.....	50	N.D.	
trans-1,2-Dichloroethene.....	50	N.D.	
1,2-Dichloropropane.....	50	N.D.	
cis-1,3-Dichloropropene.....	50	N.D.	
trans-1,3-Dichloropropene.....	50	N.D.	
Methylene chloride.....	500	N.D.	
1,1,1,2-Tetrachloroethane.....	50	N.D.	
Tetrachloroethene.....	50	N.D.	
1,1,1-Trichloroethane.....	50	N.D.	
1,1,2-Trichloroethane.....	50	N.D.	
Trichloroethene.....	50	310	
Trichlorofluoromethane.....	50	N.D.	
Vinyl chloride.....	100	N.D.	
Freon 113.....	50	N.D.	
Substrates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	95
4-Bromofluorobenzene.....	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1150 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water, MW-18
Analysis Method: EPA 5030/8010
Lab Number: 603-0465

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Analyzed: Mar 14, 1996
Reported: Mar 19, 1996

Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	50	N.D.	
Bromoform.....	50	N.D.	
Bromomethane.....	100	N.D.	
Carbon tetrachloride.....	50	N.D.	
Chlorobenzene.....	50	N.D.	
Chloroethane.....	100	N.D.	
2-Chloroethylvinyl ether.....	100	N.D.	
Chloroform.....	50	N.D.	
Chloromethane.....	100	N.D.	
Dibromochloromethane.....	50	N.D.	
1,3-Dichlorobenzene.....	50	N.D.	
1,4-Dichlorobenzene.....	50	N.D.	
1,2-Dichlorobenzene.....	50	N.D.	
1,1-Dichloroethane.....	50	N.D.	
1,2-Dichloroethane.....	50	N.D.	
1,1-Dichloroethene.....	50	N.D.	
cis-1,2-Dichloroethene.....	50	N.D.	
trans-1,2-Dichloroethene.....	50	N.D.	
1,2-Dichloropropane.....	50	N.D.	
cis-1,3-Dichloropropene.....	50	N.D.	
trans-1,3-Dichloropropene.....	50	N.D.	
Methylene chloride.....	500	N.D.	
1,1,2,2-Tetrachloroethane.....	50	N.D.	
Tetrachloroethene.....	50	N.D.	
1,1,1-Trichloroethane.....	50	N.D.	
1,1,2-Trichloroethane.....	50	N.D.	
Trichloroethene.....	50	200	
Trichlorofluoromethane.....	50	N.D.	
Vinyl chloride.....	100	N.D.	
Fluorobenzene.....	50	N.D.	
Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	92
4-Bromofluorobenzene.....	50	150	80

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



**Sequoia
Analytical**

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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water, MW-18A
Analysis Method: EPA 5030/8010
Lab Number: 603-0466

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Analyzed: Mar 15, 1996
Reported: Mar 19, 1996

Batch Number: GC031596801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water, MW-20
Analysis Method: EPA 5030/8010
Lab Number: 603-0467

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Analyzed: Mar 18, 1996
Reported: Mar 19, 1996

QC Batch Number: GC031896801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	103
4-Bromofluorobenzene.....	50 150.....	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Mar 8, 1996
100 Marina Way South	Sample Descript: Water, TB-LB	Received: Mar 8, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Mar 14, 1996
Attention: Paul Hehn	Lab Number: 603-0468	Reported: Mar 19, 1996

Batch Number: GC031496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Freon 113.....	0.50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	102
4-Bromofluorobenzene.....	50 150.....	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Dissolved Chromium
First Sample #: 603-0458

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Extracted: Mar 12, 1996
Analyzed: Mar 15, 1996
Reported: Mar 19, 1996

LABORATORY ANALYSIS FOR: Dissolved Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
603-0458	MW-3A	0.050	0.092	ME0312962007MDA	MV-1
603-0459	MW-4	0.050	16	ME0312962007MDA	MV-1
603-0460	MW-6	0.050	42	ME0312962007MDA	MV-1
603-0461	MW-12	0.050	0.25	ME0312962007MDA	MV-1
603-0462	MW-13	0.050	170	ME0312962007MDA	MV-1
603-0463	MW-16	0.050	73	ME0312962007MDA	MV-1
603-0464	MW-17	0.050	140	ME0312962007MDA	MV-1
603-0465	MW-18	0.050	22	ME0312962007MDA	MV-1
603-0466	MW-18A	0.050	N.D.	ME0312962007MDA	MV-1
603-0467	MW-20	0.050	0.11	ME0312962007MDA	MV-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Dissolved Hexvalent Chromium
First Sample #: 603-0458

Sampled: Mar 8, 1996
Received: Mar 8, 1996
Analyzed: Mar 8, 1996
Reported: Mar 19, 1996

LABORATORY ANALYSIS FOR: Dissolved Hexvalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
603-0458	MW-3A	0.0050	N.D.	IN0308967196I3A	INSPC-1
603-0459	MW-4	0.0050	23	IN0308967196I3A	INSPC-1
603-0460	MW-6	0.0050	50	IN0308967196I3A	INSPC-1
603-0461	MW-12	0.0050	0.012	IN0308967196I3A	INSPC-1
603-0462	MW-13	0.0050	200	IN0308967196I3A	INSPC-1
603-0463	MW-16	0.0050	83	IN0308967196I3A	INSPC-1
603-0464	MW-17	0.0050	150	IN0308967196I3A	INSPC-1
603-0465	MW-18	0.0050	23	IN0308967196I3A	INSPC-1
603-0466	MW-18A	0.0050	N.D.	IN0308967196I3A	INSPC-1
603-0467	MW-20	0.0050	N.D.	IN0308967196I3A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Garaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 6030458-468

Reported: Mar 19, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC031496	GC031496	GC031496	GC031596	GC031596	GC031596
	801007A	801007A	801007A	801007A	801007A	801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand
MS/MSD #:	6030279	6030279	6030279	6030345	6030345	6030345
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/14/96	3/14/96	3/14/96	3/15/96	3/15/96	3/15/96
Analyzed Date:	3/14/96	3/14/96	3/14/96	3/15/96	3/15/96	3/15/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	8.7	10	9.3	8.8	8.7	8.5
MS % Recovery:	87	100	93	88	87	85
Dup. Result:	8.6	8.5	9.3	8.7	9.0	8.6
MSD % Recov.:	86	85	93	87	90	86
RPD:	1.2	16	0.0	1.1	3.4	1.2
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS031496	LCS031496	LCS031496	LCS031596	LCS031596	LCS031596
Prepared Date:	3/14/96	3/14/96	3/14/96	3/15/96	3/15/96	3/15/96
Analyzed Date:	3/14/96	3/14/96	3/14/96	3/15/96	3/15/96	3/15/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	9.3	9.1	8.9	9.6	9.3	8.7
LCS % Recov.:	93	91	89	96	93	87

MS/MSD						
LCS	28-167	35-146	38-150	28-167	35-146	38-150
Control Limits						

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Genaghty & Miller, Inc. Client Project ID: #RC0304.002
 10 Marina Way South Matrix: Liquid
 Richmond, CA 94804
 Attention: Paul Hehn QC Sample Group: 6030458-468 Reported: Mar 19, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Dissolved Chromium	Dissolved Hexavalent Chromium
QC Batch#:	GC031896 801007A	GC031896 801007A	GC031896 801007A	ME031296 2007MDA	IN030896 719613A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 218.1	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I.Dalvand	I.Dalvand	I.Dalvand	T. Le	R. Salinas
MS/MSD #:	6030595	6030595	6030595	6030365	6030467
Sample Conc.:	N.D.	N.D.	N.D.	0.14 mg/L	N.D.
Prepared Date:	3/18/96	3/18/96	3/18/96	3/12/96	3/8/96
Analyzed Date:	3/18/96	3/18/96	3/18/96	3/15/96	3/8/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	8.5	8.7	8.9	1.2	0.050
MS % Recovery:	85	87	89	106	100
Dup. Result:	9.7	9.9	9.1	1.3	0.050
MSD % Recov.:	97	99	91	116	100
RPD:	13	13	2.2	8.0	0.0
RPD Limit:	0-30	0-30	0-30	0-20	0-20

LCS #:	LCS031896	LCS031896	LCS031896	BLK031296	7196YB03A-3
Prepared Date:	3/18/96	3/18/96	3/18/96	3/12/96	3/8/96
Analyzed Date:	3/18/96	3/18/96	3/18/96	3/15/96	3/8/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	10	9.6	9.0	1.0	0.050
LCS % Recov.:	100	96	90	100	100

MS/MSD	LCS	28-167	35-146	38-150	75-125	70-130
Control Limits						

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager

Project Number RC0304.002

Project Location ECI/Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Geraghty & Miller G.C.

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TOTAL DISSOLVED CHROMIUM (ADD. 7)	DISSOLVED HEXAVALENT CHROMIUM (7196)	HALOGENATED VOLATILE ORGANICS (8010)					TOTAL	
MW-3A	L	3-8-96 11:30		X	X	X				6030458	A-E	5
MW-4		1:30		X	X	X				6030459		5
MW-6		1:25		X	X	X				6030460		5
MW-12		11:10		X	X	X				6030461		5
MW-13		10:10		X	X	X				6030462		5
MW-16		8:30		X	X	X				6030463		5
MW-17		8:40		X	X	X				6030464		5
MW-18		1:10		X	X	X				6030465		5
MW-18A		1:15		X	X	X				6030466		5
MW-20		10:00		X	X	X				6030467		5
TB-LB						X				6030468		1

* FOR DISSOLVED ANALYSIS, FILTER THE SAMPLE IN THE LAB PRIOR TO DIGESTION & ANALYSIS

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

51

Relinquished by: <u>[Signature]</u>	Organization: <u>G&M</u>	Date: <u>3/8/96</u> Time: <u>4:30</u>	Seal Intact? <u>Yes</u>
Received by: <u>[Signature]</u>	Organization: <u>Seq</u>	Date: <u>3/8/96</u> Time: <u>4:00</u>	Seal Intact? <u>Yes</u>
Relinquished by: <u>[Signature]</u>	Organization: <u>Seq</u>	Date: <u>3/8/96</u> Time: <u>17:45</u>	Seal Intact? <u>Yes</u>
Received by: <u>[Signature]</u>	Organization: <u>Seq</u>	Date: <u>3/8/96</u> Time: <u>17:45</u>	Seal Intact? <u>Yes</u>

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier Lab Courier Other



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Maghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Feb 16, 1996
10 Marina Way South	Sample Descript: Water, MW-3B	Received: Feb 16, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Feb 23, 1996
Attention: Ted Crump	Lab Number: 602-1193	Reported: Mar 5, 1996

Batch Number: GC022396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	13
trans-1,2-Dichloroethene.....	5.0	15
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	140
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Client: Raghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Feb 16, 1996
 100 Marina Way South Sample Descript: Water, MW-10 Received: Feb 16, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Feb 23, 1996
 Attention: Ted Crump Lab Number: 602-1194 Reported: Mar 5, 1996

Batch Number: GC022396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	N.D.
cis-1,2-Dichloroethene.....	200	4,500
trans-1,2-Dichloroethene.....	200	N.D.
1,1-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,2,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	310
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	4,200
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	126
4-Bromofluorobenzene.....	50	150	116

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



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Craghty & Miller, Inc.
1550 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, MW-11
Analysis Method: EPA 5030/8010
Lab Number: 602-1195

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Analyzed: Feb 26, 1996
Reported: Mar 5, 1996

GC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	7.0
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	0.70
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	2.2
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Glaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, MW-12
Analysis Method: EPA 5030/8010
Lab Number: 602-1196

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Analyzed: Feb 23, 1996
Reported: Mar 5, 1996

QC Batch Number: GC022396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	57
cis-1,2-Dichloroethene.....	5.0	20
trans-1,2-Dichloroethene.....	5.0	7.5
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	12
1,1,1-Trichloroethane.....	5.0	23
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	170
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	118
4-Bromofluorobenzene.....	50	150	118

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geaghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Feb 16, 1996
1000 Marina Way South	Sample Descript: Water, OW-1	Received: Feb 16, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Feb 23, 1996
Attention: Ted Crump	Lab Number: 602-1197	Reported: Mar 5, 1996

QC Batch Number: GC022396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	14
trans-1,2-Dichloroethene.....	5.0	N.D.
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,1,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	17
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	120
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	120
4-Bromofluorobenzene.....	50	150	115

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Client: Maghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Feb 16, 1996
 1600 Marina Way South Sample Descript: Water, OW-2 Received: Feb 16, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Feb 23, 1996
 Attention: Ted Crump Lab Number: 602-1198 Reported: Mar 5, 1996

QC Batch Number: GC022396801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	14
cis-1,2-Dichloroethene.....	5.0	34
trans-1,2-Dichloroethene.....	5.0	14
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	7.0
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	170
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	116
4-Bromofluorobenzene.....	50 150.....	116

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Craghty & Miller, Inc.
150 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, TB-LB
Analysis Method: EPA 5030/8010
Lab Number: 602-1199

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Analyzed: Feb 22, 1996
Reported: Mar 5, 1996

Batch Number: GC022296801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	122
4-Bromofluorobenzene.....	50	150	116

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Stambrook
Project Manager



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Geraghty & Miller, Inc.
1150 Marina Way South
Folsom, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Chromium
First Sample #: 602-1193

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Digested: Feb 21, 1996
Analyzed: Feb 26, 1996
Reported: Mar 5, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1193	MW-3B	0.050	3.3	ME0221962007MDB	MV-1
602-1194	MW-10	0.050	16	ME0221962007MDB	MV-1
602-1195	MW-11	0.050	0.43	ME0221962007MDB	MV-1
602-1196	MW-12	0.050	16	ME0221962007MDB	MV-1
602-1197	OW-1	0.050	4.8	ME0221962007MDB	MV-1
602-1198	OW-2	0.050	6.9	ME0221962007MDB	MV-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geraghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0304.002 Sample Descript: Water Analysis for: Hexavalent Chromium First Sample #: 602-1193	Sampled: Feb 16, 1996 Received: Feb 16, 1996 Analyzed: Feb 16, 1996 Reported: Mar 5, 1996
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LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1193	MW-3B	0.0050	1.1	IN0216967196I3A	INSPC-1
602-1194	MW-10	0.0050	23	IN0216967196I3A	INSPC-1
602-1195	MW-11	0.0050	N.D.	IN0216967196I3A	INSPC-1
602-1196	MW-12	0.0050	1.3	IN0216967196I3A	INSPC-1
602-1197	OW-1	0.0050	N.D.	IN0216967196I3A	INSPC-1
602-1198	OW-2	0.0050	0.089	IN0216967196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.
1150 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Nitrate as NO3
First Sample #: 602-1193

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Digested: Feb 18, 1996
Analyzed: Feb 18, 1996
Reported: Mar 5, 1996

LABORATORY ANALYSIS FOR: Nitrate as NO3

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1193	MW-3B	0.10	0.54	IN021896300011A	INIC-1
602-1194	MW-10	0.10	N.D.	IN021896300011A	INIC-1
602-1195	MW-11	0.10	1.2	IN021896300011A	INIC-1
602-1196	MW-12	0.10	0.20	IN021896300011A	INIC-1
602-1197	OW-1	0.10	0.77	IN021896300011A	INIC-1
602-1198	OW-2	0.10	3.1	IN021896300011A	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Sequoia Analytical

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Geraghty & Miller, Inc.
1550 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Nitrite as NO2
First Sample #: 602-1193

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Digested: Feb 18, 1996
Analyzed: Feb 18, 1996
Reported: Mar 5, 1996

LABORATORY ANALYSIS FOR: Nitrite as NO2

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1193	MW-3B	0.10	N.D.	IN0218963000I1A	INIC-1
602-1194	MW-10	0.10	0.82	IN0218963000I1A	INIC-1
602-1195	MW-11	0.10	0.16	IN0218963000I1A	INIC-1
602-1196	MW-12	0.10	N.D.	IN0218963000I1A	INIC-1
602-1197	OW-1	0.10	N.D.	IN0218963000I1A	INIC-1
602-1198	OW-2	0.10	1.2	IN0218963000I1A	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1000 Marina Way South
Riverside, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Sulfate
First Sample #: 602-1193

Sampled: Feb 16, 1996
Received: Feb 16, 1996
Digested: Feb 18, 1996
Analyzed: Feb 18, 1996
Reported: Mar 5, 1996

LABORATORY ANALYSIS FOR: Sulfate

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1193	MW-3B	0.10	220	IN021896300011A	INIC-1
602-1194	MW-10	0.10	75	IN021896300011A	INIC-1
602-1195	MW-11	0.10	23	IN021896300011A	INIC-1
602-1196	MW-12	0.10	110	IN021896300011A	INIC-1
602-1197	OW-1	0.10	190	IN021896300011A	INIC-1
602-1198	OW-2	0.10	100	IN021896300011A	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Graghty & Miller, Inc.
100 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water

First Sample #: 602-1194

Reported: Mar 5, 1996

BACTERIOLOGICAL ANALYSIS: HETEROTROPHIC PLATE COUNT

Sample Number	Date Sampled and Received	Sample Description	Heterotrophic Plate Count CFU/mL
602-1194	2/16/96	MW-10	2,300
602-1195	2/16/96	MW-11	15,000
602-1198	2/16/96	OW-2	2,800

SEQUOIA ANALYTICAL #1210

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Garaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 6021193-199

Reported: Mar 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC022296 801007A	GC022296 801007A	GC022296 801007A	GC022396 801007A	GC022396 801007A	GC022396 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	I. Dalvand	I. Dalvand	I. Dalvand
MS/MSD #:	6020811	6020811	6020811	6021199	6021199	6021199
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/22/96	2/22/96	2/22/96	2/23/96	2/23/96	2/23/96
Analyzed Date:	2/22/96	2/22/96	2/22/96	2/23/96	2/23/96	2/23/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	10	10	9.2	12	11	9.5
MS % Recovery:	101	104	92	121	107	95
Dup. Result:	11	9.5	8.8	9.7	8.9	8.2
MSD % Recov.:	111	95	88	97	89	82
RPD:	9.4	8.3	4.4	22	18	15
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS022296	LCS022296	LCS022296	LCS022396	LCS022396	LCS022396
Prepared Date:	2/22/96	2/22/96	2/22/96	2/23/96	2/23/96	2/23/96
Analyzed Date:	2/22/96	2/22/96	2/22/96	2/23/96	2/23/96	2/23/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	11	10	8.9	11	9.8	9.0
LCS % Recov.:	111	102	89	112	98	90

MS/MSD LCS Control Limits	28-167	35-146	38-150	28-167	35-146	38-150
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



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Graghty & Miller, Inc.
 1500 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 6021193-199

Reported: Mar 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC022696 801007A	GC022696 801007A	GC022696 801007A	ME022196 2007MDB	IN021696 7196I3A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 218.1	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	T. Le	R. Salinas
MS/MSD #:	6021280	6021280	6021280	6021193	6021161
Sample Conc.:	N.D.	N.D.	N.D.	3.3 mg/L	0.0075 mg/L
Prepared Date:	2/26/96	2/26/96	2/26/96	2/21/96	2/16/96
Analyzed Date:	2/26/96	2/26/96	2/26/96	2/26/96	2/16/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	12	12	9.8	4.4	0.057
MS % Recovery:	117	117	98	110	99
Dup. Result:	11	11	9.1	4.6	0.056
MSD % Recov.:	114	109	91	130	97
RPD:	2.6	7.1	7.4	4.4	1.8
RPD Limit:	0-30	0-30	0-30	0-20	0-20

LCS #:	LCS022696	LCS022696	LCS022696	BLK022196	7196RS02A-1
Prepared Date:	2/26/96	2/26/96	2/26/96	2/21/96	2/16/96
Analyzed Date:	2/26/96	2/26/96	2/26/96	2/26/96	2/16/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	11	11	9.3	1.0	0.051
LCS % Recov.:	111	105	93	100	102

MS/MSD	LCS	LCS	LCS	LCS	LCS
Control Limits	28-167	35-146	38-150	75-125	70-130

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



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Crughty & Miller, Inc. Client Project ID: #RC0304.002
 1150 Marina Way South Matrix: Liquid
 Richmond, CA 94804
 Attention: Ted Crump QC Sample Group: 6021193-199 Reported: Mar 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Nitrate as NO3	Nitrite as NO2	Sulfate
QC Batch#:	IN021896 300011A	IN021896 300011A	IN021896 300011A
Analy. Method:	EPA 300.0	EPA 300.0	EPA 300.0
Prep. Method:	EPA 300.0	EPA 300.0	EPA 300.0
Analyst:	K. Anderson	K. Anderson	K. Anderson
MS/MSD #:	6021193	6021193	6021193
Sample Conc.:	0.54 mg/L	N.D.	220 mg/L
Prepared Date:	2/18/96	2/18/96	2/18/96
Analyzed Date:	2/18/96	2/18/96	2/18/96
Instrument I.D.#:	INIC-1	INIC-1	INIC-1
Conc. Spiked:	100 mg/L	25 mg/L	100 mg/L
Result:	94	21	320
MS % Recovery:	93	84	100
Dup. Result:	97	22	320
MSD % Recov.:	96	88	100
RPD:	3.1	4.7	0.0
RPD Limit:	0-20	0-20	0-20

LCS #:	300.0YB02C-2	300.0YB02C-2	300.0YB02C-2
Prepared Date:	2/18/96	2/18/96	2/18/96
Analyzed Date:	2/18/96	2/18/96	2/18/96
Instrument I.D.#:	INIC-1	INIC-1	INIC-1
Conc. Spiked:	10 mg/L	2.5 mg/L	10 mg/L
LCS Result:	9.6	2.4	10
LCS % Recov.:	96	96	100

MS/MSD LCS Control Limits	80-120	80-120	80-120
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager

Project Number PC0304.002

Project Location ECI/EMERYVILLE

Laboratory SEQUOIA

Sampler(s)/Affiliation GERAGHTY & MILLER
EHC

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8010	TOTAL CHROMIUM (200.7)	HEXAVALENT CHROMIUM (7196)	SULFATE (300)	NITRATE (300)	NITRITE (300)	HETERODOPK PLATE COUNT	TOTAL
MW-3B	L	2/16/96		X	X	X	X	X			6021193AH 8
MW-10	L	0830		X	X	X	X	X	X		6021194AI 9
MW-11	L	0900		X	X	X	X	X	X		6021195 9
MW-12	L	0930		X	X	X	X	X			6021196 8
OW-1	L	1000		X	X	X	X	X			6021197 8
OW-2	L	1030		X	X	X	X	X	X		6021198 9
TB-LB	L	2/16/96		X					X		6021199 1
10 DAY TURN AROUND											ER 45

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 52

Relinquished by: J. Payne Organization: G&H Date: 2/16/96 Time: 12:40
 Received by: [Signature] Organization: _____ Date: 2/16/96 Time: 12:40 Seal Intact? Yes No N/A

Relinquished by: [Signature] Organization: _____ Date: 2/16/96 Time: 14:05
 Received by: Ken Mauldin Organization: Seq Date: 2/16/96 Time: 14:05 Seal Intact? Yes No N/A

Special Instructions/Remarks: FAX RESULTS TO TED CRUMP 510-233-3204
MAIL RESULTS " " " G&H 1050 MARINA WAY SD,
RICHMOND, CA 94804

Delivery Method: In Person Common Carrier Lab Courier Other



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Glaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water, MW-20
Analysis Method: EPA 5030/8010
Lab Number: 512-1370

Sampled: Dec 15, 1995
Received: Dec 15, 1995
Analyzed: Dec 26-27, 1995
Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	107
4-Bromofluorobenzene.....	50	150	95

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Siambrook
Kevin Van Siambrook
Project Manager



Sequoia Analytical

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Graghty & Miller, Inc.	Client Project ID: RC0304.003	Sampled: Dec 15, 1995
1000 Marina Way South	Sample Descript: Water, MW-18A	Received: Dec 15, 1995
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Dec 26-27, 1995
Attention: Paul Hehn	Lab Number: 512-1371	Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	105
4-Bromofluorobenzene.....	50	150	97

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



Sequoia Analytical

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Geaghty & Miller, Inc.	Client Project ID: RC0304.003	Sampled: Dec 15, 1995
1000 Marina Way South	Sample Descript: Water, MW-13	Received: Dec 15, 1995
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Dec 26, 1996
Attention: Paul Hehn	Lab Number: 512-1372	Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	68
trans-1,2-Dichloroethene.....	10	17
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,1,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	380
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Greaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water, MW-4
Analysis Method: EPA 5030/8010
Lab Number: 512-1373

Sampled: Dec 15, 1995
Received: Dec 15, 1995
Analyzed: Dec 26, 1995
Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	330
trans-1,2-Dichloroethene.....	10	44
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,1,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	27
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	100	2,900
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Subrogates	Control Limit %		% Recovery
Dibromodifluoromethane.....	50	150	98
4-Bromofluorobenzene.....	50	150	95

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID: RC0304.003	Sampled: Dec 15, 1995
10 Marina Way South	Sample Descript: Water	Received: Dec 15, 1995
Richmond, CA 94804	Analysis for: Chromium	Digested: Dec 18, 1995
Attention: Paul Hehn	First Sample #: 512-1370	Analyzed: Jan 4, 1996
		Reported: Jan 5, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
512-1370	MW-20	0.010	0.022	ME1218952007MDB	MV-3
512-1371	MW-18A	0.010	0.017	ME1218952007MDB	MV-3
512-1372	MW-13	0.010	170	ME1218952007MDB	MV-3
512-1373	MW-4	0.010	16	ME1218952007MDB	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Product Manager



**Sequoia
Analytical**

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FAX (510) 988-9673
FAX (916) 921-0100

Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 512-1370

Sampled: Dec 15, 1995
Received: Dec 15, 1995
Analyzed: Dec 29, 1995
Reported: Jan 5, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
512-1370	MW-20	0.0050	N.D.	IN121595719613A	INSPC-1
512-1371	MW-18A	0.0050	N.D.	IN121595719613A	INSPC-1
512-1372	MW-13	0.0050	210	IN121595719613A	INSPC-1
512-1373	MW-4	0.0050	16	IN121595719613A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Product Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Graghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: RC0304.003
 Matrix: Liquid

QC Sample Group: 5121370-373

Reported: Jan 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC122695 801007A	GC122695 801007A	GC122695 801007A	GC122795 801007A	GC122795 801007A	GC122795 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Rep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.
MS/MSD #:	5121244	5121244	5121244	5121521	5121521	5121521
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Analyzed Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	12	10	9.7	14	11	9.3
MSD % Recovery:	119	104	97	136	109	93
Dup. Result:	12	9.5	9.2	14	10	9.4
MSD % Recov.:	122	95	92	135	102	94
RPD:	2.5	9.0	5.3	0.74	6.6	1.1
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS122695	LCS122695	LCS122695	LCS122795	LCS122795	LCS122795
Prepared Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Analyzed Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	12	9.0	9.1	10	8.6	8.5
LCS % Recov.:	117	90	91	103	86	85

MS/MSD LCS	28-167	35-146	38-150	28-167	35-146	38-150
Control Limits						

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Keith Van Slambrook
 Project Manager



**Sequoia
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Geighty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Matrix: Liquid

QC Sample Group: 5121370-373

Reported: Jan 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Hexavalent Chromium
QC Batch#:	ME121895	IN121595
	2007MDB	719613A
Analy. Method:	EPA 200.7	EPA 7196
Rep. Method:	EPA 200.7	EPA 7196
Analyst:	K. Anderson	R. Salinas
MS/MSD #:	5121257	5121371
Sample Conc.:	0.066 mg/L	N.D.
Prepared Date:	12/18/95	12/15/95
Analyzed Date:	1/4/96	12/15/95
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
Result:	1.1	0.051
MS % Recovery:	103	102
Dup. Result:	1.1	0.052
MSD % Recov.:	103	104
RPD:	0.0	1.9
RPD Limit:	0-20	0-20

LCS #:	BLK121895	7196RS12H-1
Prepared Date:	12/18/95	12/15/95
Analyzed Date:	1/4/96	12/15/95
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
LCS Result:	1.1	0.052
LCS % Recov.:	110	104

MS/MSD LCS Control Limits	75-125	70-130
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager

Project Number R03010

Project Location FCI Emeryville

Laboratory Seyoum

Sampler(s)/Affiliation Gearty & Miller
G. Crowley

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TOTAL Chromium USEPA 200-7	Hexavalent Chromium USEPA 7196	Halogenated Volatile Organics USEPA 8010					TOTAL
mw-20	L	12/15 9:35		X	X	X	5121370	A-E			5
mw 18A	L	12/15 9:45		X	X	X	5121371				5
mw-13	L	12/15 10:00		X	X	X	5121372				5
mw-4	L	12/15 10:10		X	X	X	5121373				5

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers 20

Relinquished by: <u>[Signature]</u>	Organization: _____	Date <u>12/15/95</u> Time <u>4:30 PM</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Seyoum</u>	Date <u>12/15/95</u> Time <u>4:30 PM</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>Seyoum</u>	Date <u>12/15/95</u> Time <u>4:43 PM</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Seyoum</u>	Date <u>12/15/95</u> Time <u>18:00</u>	

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other _____



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Graghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water, MW-3A
Analysis Method: EPA 5030/8010
Lab Number: 512-1257

Sampled: Dec 14, 1995
Received: Dec 14, 1995
Analyzed: Dec 26-27, 1995
Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Surrogates		
Dibromodifluoromethane.....	50	150..... 83
4-Bromofluorobenzene.....	50	150..... 94

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271
Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Galaghty & Miller, Inc. Client Project ID: RC0304.003 Sampled: Dec 14, 1995
 1050 Marina Way South Sample Descript: Water, MW-12 Received: Dec 14, 1995
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Dec 26, 1995
 Attention: Paul Hehn Lab Number: 512-1258 Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,1-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	N.D.
trans-1,2-Dichloroethene.....	10	N.D.
1,1-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	79
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	95
4-Bromofluorobenzene.....	50 150.....	84

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: RC0304.003
 Sample Descript: Water, MW-16
 Analysis Method: EPA 5030/8010
 Lab Number: 512-1259

Sampled: Dec 14, 1995
 Received: Dec 14, 1995
 Analyzed: Dec 26-27, 1995
 Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	10	25
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	200	620
cis-1,2-Dichloroethene.....	200	2,300
trans-1,2-Dichloroethene.....	10	100
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	10	140
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	200	11,000
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	200	460

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	101
4-Bromofluorobenzene.....	50 150	94

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
 Project Manager



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Glaghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water, MW-18
Analysis Method: EPA 5030/8010
Lab Number: 512-1260

Sampled: Dec 14, 1995
Received: Dec 14, 1995
Analyzed: Dec 26, 1995
Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,1-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	18
trans-1,2-Dichloroethene.....	10	N.D.
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	280
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



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Maghty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: RC0304.003
 Sample Descript: Water, Special 16
 Analysis Method: EPA 5030/8010
 Lab Number: 512-1262

Sampled: Dec 14, 1995
 Received: Dec 14, 1995
 Analyzed: Dec 26, 1996
 Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	10	80
cis-1,2-Dichloroethene.....	100	150
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	10	15
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	100	2,100
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	20	56

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	99
4-Bromofluorobenzene.....	50 150	95

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Craghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Paul Hehn	Client Project ID: RC0304.003 Sample Descript: Water, MW-17 Analysis Method: EPA 5030/8010 Lab Number: 512-1261	Sampled: Dec 14, 1995 Received: Dec 14, 1995 Analyzed: Dec 26, 1995 Reported: Jan 5, 1996
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QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	27
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,1-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	15
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,2-Dichloroethene.....	10	38
cis-1,2-Dichloroethene.....	10	24
trans-1,2-Dichloroethene.....	10	N.D.
1,1-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	13
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	360
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	88
4-Bromofluorobenzene.....	50 150.....	90

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water, MW-6
Analysis Method: EPA 5030/8010
Lab Number: 512-1263

Sampled: Dec 14, 1995
Received: Dec 14, 1995
Analyzed: Dec 26, 1995
Reported: Jan 5, 1996

QC Batch Number: GC122695801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	74
cis-1,2-Dichloroethene.....	10	53
trans-1,2-Dichloroethene.....	10	N.D.
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	400
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	95
4-Bromofluorobenzene.....	50	150	91

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Sacramento, CA 95834

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FAX (916) 921-0100

Gilgaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: RC0304.003
Sample Descript: Water
Analysis for: Chromium
First Sample #: 512-1257

Sampled: Dec 14, 1995
Received: Dec 14, 1995
Digested: Dec 18, 1995
Analyzed: Dec 20, 1995
Reported: Jan 5, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
512-1257	MW-3A	0.050	0.11	ME1218952007MDB	MV-1
512-1258	MW-12	0.050	17	ME1218952007MDB	MV-1
512-1259	MW-16	0.050	57	ME1218952007MDB	MV-1
512-1260	MW-18	0.050	20	ME1218952007MDB	MV-1
512-1261	MW-17	0.050	160	ME1218952007MDB	MV-1
512-1262	Special -16	0.050	6.3	ME1218952007MDB	MV-1
512-1263	MW-6	0.050	35	ME1218952007MDB	MV-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Keith Van Slambrook
Project Manager



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Geraghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Paul Hehn	Client Project ID: RC0304.003 Sample Descript: Water Analysis for: Hexavalent Chromium First Sample #: 512-1257	Sampled: Dec 14, 1995 Received: Dec 14, 1995 Analyzed: Dec 14, 1995 Reported: Jan 5, 1996
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LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
512-1257	MW-3A	0.0050	0.0075	IN1214957196I3A	INSPC-1
512-1258	MW-12	0.0050	20	IN1214957196I3A	INSPC-1
512-1259	MW-16	0.0050	74	IN1214957196I3A	INSPC-1
512-1260	MW-18	0.0050	22	IN1214957196I3A	INSPC-1
512-1261	MW-17	0.0050	200	IN1214957196I3A	INSPC-1
512-1262	Special -16	0.0050	2.4	IN1214957196I3A	INSPC-1
512-1263	MW-6	0.0050	50	IN1214957196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kerry Van Slambrook
 Kerry Van Slambrook
 Product Manager



Sequoia Analytical

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Geighty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: RC0304.003
 Matrix: Liquid

QC Sample Group: 5121257-263

Reported: Jan 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC122695 801007A	GC122695 801007A	GC122695 801007A	GC122795 801007A	GC122795 801007A	GC122795 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Rep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.
MS/MSD #:	5121244	5121244	5121244	5121521	5121521	5121521
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Analyzed Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	12	10	9.7	14	11	9.3
MS % Recovery:	119	104	97	136	109	93
Dup. Result:	12	9.5	9.2	14	10	9.4
MSD % Recov.:	122	95	92	135	102	94
RPD:	2.5	9.0	5.3	0.74	6.6	1.1
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS122695	LCS122695	LCS122695	LCS122795	LCS122795	LCS122795
Prepared Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Analyzed Date:	12/26/95	12/26/95	12/26/95	12/27/95	12/27/95	12/27/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	12	9.0	9.1	10	8.6	8.5
LCS % Recov.:	117	90	91	103	86	85

MS/MSD LCS Control Limits	28-167	35-146	38-150	28-167	35-146	38-150
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



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Gilgaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: RC0304.003
 Matrix: Liquid

QC Sample Group: 5121257-263

Reported: Jan 5, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Hexavalent Chromium
QC Batch#:	ME121895	IN121495
	2007MDB	719613A
Analy. Method:	EPA 218.1	EPA 7196
Prep. Method:	EPA 200.7	EPA 7196
Analyst:	T. Le	R. Salinas
MS/MSD #:	5121257	5121257
Sample Conc.:	0.11 mg/L	0.0075 mg/L
Prepared Date:	12/18/95	12/14/95
Analyzed Date:	12/20/95	12/14/95
Instrument I.D.#:	MV-1	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
Result:	1.2	0.053
MS % Recovery:	110	91
Dup. Result:	1.2	0.052
MSD % Recov.:	110	89
RPD:	0.0	1.9
RPD Limit:	0-20	0-20

LCS #:	BLK121895	7196RS12H
Prepared Date:	12/18/95	12/14/95
Analyzed Date:	12/20/95	12/14/95
Instrument I.D.#:	MV-1	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
LCS Result:	1.0	0.050
MS % Recov.:	100	100

MS/MSD		
LCS	75-125	70-130
Control Limits		

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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager

Project Number RC0304005

Project Location ECI Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Gerrigthy & Miller
G. Crowley

Date/Time
Sampled Lab ID

SAMPLE BOTTLE / CONTAINER DESCRIPTION

9812314

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	Total Chromium USEPA Method 200.7	Hexavalent Chromium USEPA Method 7196	Ultraviolet Organic USEPA Method 8010					TOTAL
MW-3A	L	12/14 10:30		X	X	X	5121257	A-E			5
MW-12	L	10:00		X	X	X	5121258				5
MW-16	L	12:25		X	X	X	5121259				5
MW-18	L	12:45		X	X	X	5121260				5
MW-17	L	12:35		X	X	X	5121261				5
Special 16	L	8:20		X	X	X	5121262				5
MW-6	L	12/14 1:00		X	X	X	5121263	Y			5

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/
Containers

35

Relinquished by: [Signature]
Received by: [Signature]

Organization: Sequoia

Date 1/1/95 Time 3:00

Seal Intact?
Yes No N/A

Relinquished by: [Signature]
Received by: [Signature]

Organization: Seq

Date 12/14/95 Time 4:15

Seal Intact?
Yes No N/A

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier Lab Courier Other



Sequoia
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FAX (916) 921-0100

Genright & Miller
1050 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002/ECI-Emeryville

Lab Proj. ID: 9512113

Sampled: 12/04/95
Received: 12/04/95
Analyzed: see below

Attention: Gary Crowley

Reported: 12/14/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Chromium	mg/L	12/08/95	0.010	37
Chromium VI	mg/L	12/04/95	0.50	45

Lab No: 9512113-01
Sample Desc: LIQUID,MW-16

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



**Sequoia
Analytical**

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Genighty & Miller Client Proj. ID: RC0304.002/ECI-Emeryville Sampled: 12/04/95
 1050 Marina Way South Sample Descript: MW-16 Received: 12/04/95
 Richmond, CA 94804 Matrix: LIQUID
 Attention: Gary Crowley Analysis Method: EPA 8010 Analyzed: 12/06/95
 Lab Number: 9512113-01 Reported: 12/14/95

GC Batch Number: GC120595801009A
 Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	200	N.D.
Carbon Tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	200	N.D.
2-Chloroethylvinyl ether	200	N.D.
Chloroform	100	N.D.
Chloromethane	200	N.D.
Dibromochloromethane	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	240
cis-1,2-Dichloroethene	100	2100
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Methylene chloride	1000	N.D.
1,1,1,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	5700
Trichlorofluoromethane	100	N.D.
Vinyl chloride	200	530

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	78

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

[Signature]
 Mike Gregory
 Project Manager



**Sequoia
Analytical**

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Geraghty & Miller Client Project ID: RC0304.002/ECI-Emeryville
 1050 Marina Way, South Matrix: Liquid
 Richmond, CA 94804
 Attention: Gary Crowley Work Order #: 9512113 01 Reported: Dec 15, 1995

QUALITY CONTROL DATA REPORT

Analyte: Hexavalent Chromium
 QC Batch#: IN120495719500A
 Analy. Method: EPA 7196
 Prep. Method: N.A.

Analyst: D. Lawrence
 MS/MSD #: 9511J6901
 Sample Conc.: N.D.
 Prepared Date: 12/4/95
 Analyzed Date: 12/4/95
 Instrument I.D.#: MANUAL
 Conc. Spiked: 5.0 mg/L

Result: 3.1
 MS % Recovery: 62

Dup. Result: 3.0
 MSD % Recov.: 60

RPD: 3.3
 RPD Limit: 0-30

LCS #: LCS120495

Prepared Date: 12/4/95
 Analyzed Date: 12/4/95
 Instrument I.D.#: MANUAL
 Conc. Spiked: 0.50 mg/L

LCS Result: 0.50
 LCS % Recov.: 100

MS/MSD 70-130
 LCS 80-120
 Control Limits

Please Note:
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SEQUOIA ANALYTICAL

[Signature]
 Mike Gregory
 Project Manager



**Sequoia
Analytical**

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FAX (916) 921-0100

Geraghty & Miller
150 Marina Way, South
Richmond, CA 94804
Attention: Gary Crowley

Client Project ID: RC0304.002/ECI-Emeryville
Matrix: Liquid

Work Order #: 9512113 01

Reported: Dec 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME1207956010MDA	ME1207956010MDA	ME1207956010MDA	ME1207956010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010

Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	951220401	951220401	951220401	951220401
Sample Conc.:	N.D.	N.D.	N.D.	0.11
Prepared Date:	12/7/95	12/7/95	12/7/95	12/7/95
Analyzed Date:	12/7/95	12/7/95	12/7/95	12/7/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.1	1.0	1.0	1.1
MS % Recovery:	110	100	100	99
Dup. Result:	1.0	0.99	0.97	1.1
MSD % Recov.:	100	99	97	99
RPD:	9.5	1.0	3.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	BLK120795	BLK120795	BLK120795	BLK120795
Prepared Date:	12/7/95	12/7/95	12/7/95	12/7/95
Analyzed Date:	12/7/95	12/7/95	12/7/95	12/7/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.1	1.0	1.0	1.0
LCS % Recov.:	110	100	100	100

MS/MSD				
LCS	75-125	75-125	75-125	75-125
Control Limits				

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9512113.GER <2>



Sequoia Analytical

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Geraghty & Miller
50 Marina Way, South
Richmond, CA 94804
Attention: Gary Crowley

Client Project ID: RC0304.002/ECI-Emeryville
Matrix: Liquid

Work Order #: 9512113 01

Reported: Dec 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC120595801009A	GC120595801009A	GC120595801009A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	951209702	951209702	951209702
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	12/5/95	12/5/95	12/5/95
Analyzed Date:	12/5/95	12/5/95	12/5/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

Result:	23	22	21
MS % Recovery:	92	88	84

Dup. Result:	21	21	21
MSD % Recov.:	84	84	84

RPD:	9.1	4.7	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK120595	BLK120595	BLK120595
Prepared Date:	12/5/95	12/5/95	12/5/95
Analyzed Date:	12/5/95	12/5/95	12/5/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	23	23	23
LCS % Recov.:	92	92	92

MS/MSD	LCS	28-167	35-146	38-150
Control Limits				

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Glaghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.002
Sample Descript: Water, MW-16
Analysis Method: EPA 5030/8010
Lab Number: 511-2141

Sampled: Nov 27, 1995
Received: Nov 27, 1995
Analyzed: Nov 30-Dec 1, 95
Reported: Dec 4, 1995

QC Batch Number: GC113095801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	5.0	24
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	50	200
cis-1,2-Dichloroethene.....	50	1,700
trans-1,2-Dichloroethene.....	5.0	49
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	50	2,000
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	100	300

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0.04.002
Matrix: Liquid

QC Sample Group: 5112141

Reported: Dec 4, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC113095 801007A	GC113095 801007A	GC113095 801007A	GC120195 801007A	GC120195 801007A	GC120195 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Rep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.
MS/MSD #:	BLK113095	BLK113095	BLK113095	5112000	5112000	5112000
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/30/95	11/30/95	11/30/95	12/1/95	12/1/95	12/1/95
Analyzed Date:	11/30/95	11/30/95	11/30/95	12/1/95	12/1/95	12/1/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	8.8	9.0	7.2	8.7	9.8	7.5
MS % Recovery:	88	90	72	87	98	75
Dup. Result:	9.3	9.7	7.9	9.1	9.2	7.6
MSD % Recov.:	93	97	79	91	92	76
RPD:	5.5	7.5	9.3	4.5	6.3	1.3
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS113095	LCS113095	LCS113095	LCS120195	LCS120195	LCS120195
Prepared Date:	11/30/95	11/30/95	11/30/95	12/1/95	12/1/95	12/1/95
Analyzed Date:	11/30/95	11/30/95	11/30/95	12/1/95	12/1/95	12/1/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	8.4	8.7	7.1	8.8	8.9	7.3
LCS % Recov.:	84	87	71	88	89	73

MS/MSD LCS Control Limits	28-167	35-146	38-150	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Gaughy & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Total Chromium
First Sample #: 511-2210

Sampled: Nov 27, 1995
Received: Nov 28, 1995
Extracted: Nov 30, 1995
Analyzed: Dec 4, 1995
Reported: Dec 5, 1995

LABORATORY ANALYSIS FOR: Total Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
511-2210	MW-16	0.050	27	ME1130952007MDA	MV-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Gaughy & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Chromium VI
First Sample #: 511-2210

Sampled: Nov 27, 1995
Received: Nov 28, 1995
Extracted: Nov 29, 1995
Analyzed: Nov 29, 1995
Reported: Dec 5, 1995

LABORATORY ANALYSIS FOR: Chromium VI

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
511-2210	MW-16	0.0050	25	IN1129957196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 5112210

Reported: Dec 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Total Chromium	Chromium VI
QC Batch#:	ME113095	IN112995
	2007MDA	7196I3A
Analy. Method:	EPA 218.1	EPA 7196
Prep. Method:	EPA 200.7	EPA 7196
Analyst:	T. Le	R. Salinas
MS/MSD #:	5111992	5112210
Sample Conc.:	0.074 mg/L	25 mg/L
Prepared Date:	11/30/95	11/29/95
Analyzed Date:	12/4/95	11/29/95
Instrument I.D.#:	MV-1	INSPC-1
Conc. Spiked:	1.0 mg/L	25 mg/L
Result:	1.3	55
MSD % Recovery:	120	120
Dup. Result:	1.2	54
MSD % Recov.:	110	116
RPD:	8.0	1.8
RPD Limit:	0-20	0-20

LCS #:	BLK113095	7196RS11G-2
Prepared Date:	11/30/95	11/29/95
Analyzed Date:	12/4/95	11/29/95
Instrument I.D.#:	MV-1	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
LCS Result:	1.1	0.055
LCS % Recov.:	110	110

MS/MSD		
LCS	75-125	70-130
Control Limits		

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager

Project Number R 501 po

SAMPLE BOTTLE / CONTAINER DESCRIPTION

Project Location ECF Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Geraghty & Miller
G. Crowley

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE IDENTITY		Code	Date/Time Sampled	Lab ID	Total Chromium USEPA 2007	Hexavalent Chromium USEPA 7196	SAMPLE BOTTLE / CONTAINER DESCRIPTION					TOTAL
<u>MW-16</u>	<u>L</u>		<u>11/27 3:30</u>		<u>X</u>	<u>X</u>	<u>5112210A,B</u>					<u>2</u>
<u>5 DAY TURNOVER</u>												

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

2

Relinquished by: [Signature]
Received by: [Signature]

Organization: Geraghty & Miller
Organization: Sequoia

Date 11/28/95 Time 2:58
Date 11/28/95 Time 2:58

Seal Intact?
 Yes No N/A

Relinquished by: [Signature]
Received by: [Signature]

Organization: Sequoia
Organization: Sequoia

Date 11/28/95 Time 4:25
Date 11/28/95 Time 16:30

Seal Intact?
Yes No N/A

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier Lab Courier Other



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Gilgaghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0304-002 Sample Descript: Water Analysis for: Biochemical Oxygen Demand First Sample #: 511-0875	Sampled: Nov 10, 1995 Received: Nov 10, 1995 Analyzed: Nov 10, 1995 Reported: Nov 21, 1995
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LABORATORY ANALYSIS FOR: Biochemical Oxygen Demand

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
511-0875	MW-11	1.0	2,100	IN1110954051001A	Manual

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Project Manager



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Geaghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304-002
Matrix:

QC Sample Group: 5110875

Reported: Nov 21, 1995

QUALITY CONTROL DATA REPORT

ANALYTE Biochemical Oxygen
Demand

QC Batch #: IN1110954051001A

Method: EPA 405.1

Analyst: M.M.

Date Analyzed: 11/15/95

Instrument I.D.#: Manual

Sample #: 9511697-D1

Sample
Concentration: N.D.

Sample
Duplicate
Concentration: N.D.

RPD: 0.0

RPD
Control Limits: 0-30

SEQUOIA ANALYTICAL, #1210

Kevin Van Stambrook
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Glaghty & Miller, Inc.	Client Project ID: #RC0304-002	Sampled: Nov 8, 1995
1050 Marina Way South	Sample Descript: Water, MW-16	Received: Nov 9, 1995
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Nov 17, 1995
Attention: Ted Crump	Lab Number: 511-0677	Reported: Nov 21, 1995

QC Batch Number: GC111795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	50	330
cis-1,2-Dichloroethene.....	200	2,600
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	50	140
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	200	7,500
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	100	380

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	78
4-Bromofluorobenzene.....	50	150	87

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



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Geaghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304-002
Sample Descript: Water, MW-14
Analysis Method: EPA 5030/8010
Lab Number: 511-0678

Sampled: Nov 8, 1995
Received: Nov 9, 1995
Analyzed: Nov 17, 1995
Reported: Nov 21, 1995

QC Batch Number: GC111795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	200	2,000
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	82
4-Bromofluorobenzene.....	50 150	83

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kerth Van Slambrook
Kerth Van Slambrook
Project Manager



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Glaghty & Miller, Inc.	Client Project ID: #RC0304-002	Sampled: Nov 8, 1995
1050 Marina Way South	Sample Descript: Water, MW-4	Received: Nov 9, 1995
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Nov 17, 1995
Attention: Ted Crump	Lab Number: 511-0679	Reported: Nov 21, 1995

QC Batch Number: GC111795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	50	380
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	200	4,200
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	91
4-Bromofluorobenzene.....	50 150.....	85

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



Sequoia Analytical

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Geaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0304-002 Sample Descript: Water Analysis for: Biochemical Oxygen Demand First Sample #: 511-0680	Sampled: Nov 8, 1995 Received: Nov 9, 1995 Analyzed: Nov 10, 1995 Reported: Nov 21, 1995
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LABORATORY ANALYSIS FOR: Biochemical Oxygen Demand

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
511-0680	MW-11	1.0	3,000	IN1110954051001A	Manual

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Coraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304-002
Matrix: Liquid

QC Sample Group: 5110677-680

Reported: Nov 21, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC111795 801007A	GC111795 801007A	GC111795 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.
MS/MSD #:	BLK111795	BLK111795	BLK111795
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	9.0	10	7.4
MS % Recovery:	90	100	74
Dup. Result:	8.0	9.2	7.0
MSD % Recov.:	80	92	70
RPD:	12	8.3	5.6
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS111795	LCS111795	LCS111795
Prepared Date:	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	9.2	10	8.6
LCS % Recov.:	92	104	86

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Graghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304-002
Matrix: Liquid

QC Sample Group: 5110677-680

Reported: Nov 21, 1995

QUALITY CONTROL DATA REPORT

ANALYTE Biochemical Oxygen

Demand
QC Batch #: IN111095
Method: 4051001A
Analyst: M.M.

Date Analyzed: 11/15/95

Instrument I.D.#: Manual

Sample #: 9511697-D1

Sample
Concentration: N.D.

Sample
Duplicate
Concentration: N.D.

RPD: 0.0

RPD
Control Limits: 0-30

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Project Manager

Project Number RC0304.002

Project Location ECI Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Geraghty & Miller
G. Crowley

SAMPLE BOTTLE / CONTAINER DESCRIPTION										
				8010		BOD				

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID							TOTAL
MW-16	L	11/8 8:55		X		5110677	AC			3
MW-14	L	11/8 9:00		X		5110678				3
MW-4	L	11/8 9:10		X		5110679				3
MW-11	L	11/8 9:15			X	5110680				1

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers 10

Relinquished by: <u>J. S. Cully</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>11/19/95</u> Time: <u>0915</u>	Seal Intact? Yes No N/A
Received by: <u>Paul Banell</u>	Organization: <u>Sequoia</u>	Date: <u>11/19/95</u> Time: <u>0915</u>	
Relinquished by: <u>Paul Banell</u>	Organization: <u>Sequoia</u>	Date: <u>11/19/95</u> Time: <u>11:20</u>	Seal Intact? Yes No N/A
Received by: <u>Charles D.</u>	Organization: <u>Sequoia</u>	Date: <u>11/19/95</u> Time: <u>11:20</u>	

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other



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Praghty & Miller, Inc. 150 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-12 Analysis Method: EPA 5030/8010 Lab Number: 510-1702	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Nov 1, 1995 Reported: Nov 2, 1995
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GC Batch Number: GC110195801007A
Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	0.73
1,2-Dichloroethane.....	0.50	1.6
1,1-Dichloroethane.....	0.50	7.6
cis-1,2-Dichloroethane.....	0.50	7.7
trans-1,2-Dichloroethane.....	0.50	1.2
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	11
1,1,1-Trichloroethane.....	0.50	4.3
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	25
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	72
4-Bromofluorobenzene.....	50	150	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
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Praghty & Miller, Inc. 50 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-10 Analysis Method: EPA 5030/8010 Lab Number: 610-1703	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Nov 1, 1995 Reported: Nov 2, 1995
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Batch Number: GC110195801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	11
1,2-Dichloroethane	5.0	12
1,1-Dichloroethene	5.0	310
cis-1,2-Dichloroethene	5.0	240
trans-1,2-Dichloroethene	5.0	44
1,1-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	20
1,1,1-Trichloroethane	5.0	200
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	450
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	87

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane	50	150
4-Bromofluorobenzene	50	150

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

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Peraghty & Miller, Inc. 50 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-14 Analysis Method: EPA 5030/8010 Lab Number: 510-1704	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Nov 1, 1995 Reported: Nov 2, 1995
Batch Number: GC110195801007A	Instrument ID: HP-7	

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	0.63
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	4.0
1,2-Dichloroethane.....	0.50	2.1
1,1-Dichloroethene.....	0.50	5.5
cis-1,2-Dichloroethene.....	0.50	19
trans-1,2-Dichloroethene.....	0.50	9.0
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	6.3
1,1,1-Trichloroethane.....	0.50	1.1
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	88
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	5.2

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	71
4-Bromofluorobenzene.....	50	150	85

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Heraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water, DP-1
Analysis Method: EPA 5030/8010
Lab Number: 510-1705

Sampled: Oct 20, 1995
Received: Oct 20, 1995
Analyzed: Nov 1, 1995
Reported: Nov 2, 1995

GC Batch Number: GC110195801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	14
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	74
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	220
cis-1,2-Dichloroethane.....	5.0	220
trans-1,2-Dichloroethane.....	5.0	30
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethane.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	31
1,1,2-Trichloroethane.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	320
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	66

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	87
4-Bromofluorobenzene.....	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Heraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-3B Analysis Method: EPA 5030/8010 Lab Number: 510-1706	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Oct 27, 1995 Reported: Nov 2, 1995
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GC Batch Number: GC102795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	1.7
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	13
trans-1,2-Dichloroethene.....	0.50	9.5
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	18
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	82
4-Bromofluorobenzene.....	50	150	88

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-3C Analysis Method: EPA 5030/8010 Lab Number: 510-1707	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Oct 27, 1995 Reported: Nov 2, 1995
GC Batch Number: GC102795801007A		

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	0.98
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	1.7
1,1-Dichloroethene	0.50	3.2
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	24
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	6.7
1,1,1-Trichloroethane	0.50	12
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	32
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	4.9

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane	50	150	65
4-Bromofluorobenzene	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Veraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water, MW-11 Analysis Method: EPA 5030/8010 Lab Number: 510-1708	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Oct 27, 1995 Reported: Nov 2, 1995
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GC Batch Number: GC102795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	130
trans-1,2-Dichloroethene.....	5.0	N.D.
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	N.D.
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Veraghty & Miller, Inc.	Client Project ID: RC0304-002	Sampled: Oct 20, 1995
150 Marina Way South	Sample Descript: Water, OW-2	Received: Oct 20, 1995
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Oct 27, 1995
Attention: Ted Crump	Lab Number: 510-1708	Reported: Nov 2, 1995

GC Batch Number: GC102795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	22
cis-1,2-Dichloroethane.....	5.0	23
trans-1,2-Dichloroethene.....	5.0	14
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	21
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	200
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	76
4-Bromofluorobenzene.....	50 150	87

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
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Paraghty & Miller, Inc.
50 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water, OW-1
Analysis Method: EPA 5030/8010
Lab Number: 510-1710

Sampled: Oct 20, 1995
Received: Oct 20, 1995
Analyzed: Oct 27, 1995
Reported: Nov 2, 1995

Batch Number: GC102795801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	32
cis-1,2-Dichloroethene.....	5.0	14
trans-1,2-Dichloroethene.....	5.0	5.1
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	12
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	150
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	80
4-Bromofluorobenzene.....	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.
50 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water
Analysis for: Chromium
First Sample #: 510-1702


Sampled: Oct 20, 1995
Received: Oct 20, 1995
Digested: Oct 23, 1995
Analyzed: Oct 25-31, 1995
Reported: Nov 2, 1995

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1702	MW-12	0.10	17	ME1023952007MDB	MV-3
510-1703	MW-10	0.10	78	ME1023952007MDB	MV-3
510-1704	MW-14	0.10	140	ME1023952007MDB	MV-3
510-1705	DP-1	0.10	10	ME1023952007MDB	MV-3
510-1706	MW-3B	0.10	0.18	ME1023952007MDB	MV-3
510-1707	MW-3C	0.10	8.5	ME1023952007MDB	MV-3
510-1708	MW-11	0.010	0.090	ME1023952007MDB	MV-3
510-1709	OW-2	0.10	51	ME1023952007MDB	MV-3
510-1710	OW-1	0.10	24	ME1023952007MDB	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Kevin Van Slambrook
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Geraghty & Miller, Inc.
50 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water
Analysis for: Nitrite as NO2
First Sample #: 510-1702

Sampled: Oct 20, 1995
Received: Oct 20, 1995
Analyzed: Oct 20-23, 1995
Reported: Nov 2, 1995

LABORATORY ANALYSIS FOR: Nitrite as NO2

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1702	MW-12	1.0	N.D.	IN102095300011C	INIC-1
510-1703	MW-10	1.0	18	IN102395300011A	INIC-1
510-1704	MW-14	1.0	2.8	IN102095300011C	INIC-1
510-1705	DP-1	1.0	N.D.	IN102095300011C	INIC-1
510-1708	MW-3B	1.0	N.D.	IN102095300011C	INIC-1
510-1707	MW-3C	1.0	N.D.	IN102095300011C	INIC-1
510-1708	MW-11	1.0	N.D.	IN102095300011D	INIC-1
510-1709	OW-2	1.0	N.D.	IN102095300011C	INIC-1
510-1710	OW-1	1.0	N.D.	IN102095300011D	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
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Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water Analysis for: Nitrate as NO3 First Sample #: 510-1702	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Oct 25-31, 1995 Reported: Nov 2, 1995
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LABORATORY ANALYSIS FOR: Nitrate as NO3

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1702	MW-12	0.10	26	IN102095300011C	INIC-1
510-1704	MW-14	0.10	3.7	IN102095300011C	INIC-1
510-1705	DP-1	0.10	2.9	IN102095300011C	INIC-1
510-1706	MW-3B	0.10	0.35	IN102095300011C	INIC-1
510-1707	MW-3C	0.10	1.1	IN102095300011C	INIC-1
510-1708	MW-11	0.10	N.D.	IN102095300011D	INIC-1
510-1710	OW-1	0.10	20	IN102095300011D	INIC-1

Analytics reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Karin Van Slambrook
Karin Van Slambrook
Project Manager



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Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: RC0304-002 Sample Descript: Water Analysis for: Sulfate First Sample #: 510-1702	Sampled: Oct 20, 1995 Received: Oct 20, 1995 Analyzed: Oct 20-23, 1995 Reported: Nov 2, 1995
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LABORATORY ANALYSIS FOR: Sulfate

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1702	MW-12	0.10	130	IN102095300011C	INIC-1
510-1703	MW-10	0.10	110	IN102395300011A	INIC-1
510-1704	MW-14	0.10	100	IN102395300011A	INIC-1
510-1705	DP-1	0.10	520	IN102095300011C	INIC-1
510-1706	MW-3B	0.10	310	IN102395300011A	INIC-1
510-1707	MW-3C	0.10	130	IN102095300011C	INIC-1
510-1708	MW-11	0.10	21	IN102095300011D	INIC-1
510-1709	OW-2	0.10	87	IN102395300011A	INIC-1
510-1710	OW-1	0.10	150	IN102095300011D	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 510-1702

Sampled: Oct 20, 1995
Received: Oct 20, 1995
Analyzed: Oct 21, 1995
Reported: Nov 2, 1995

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1702	MW-12	0.0050	24	IN1021957196I3A	INSPC-1
510-1703	MW-10	0.0050	86	IN1021957196I3A	INSPC-1
510-1704	MW-14	0.0050	140	IN1021957196I3A	INSPC-1
510-1705	DP-1	0.0050	0.0061	IN1021957196I3A	INSPC-1
510-1706	MW-3B	0.0050	N.D.	IN1021957196I3A	INSPC-1
510-1707	MW-3C	0.0050	10	IN1021957196I3A	INSPC-1
510-1708	MW-11	0.0050	N.D.	IN1021957196I3A	INSPC-1
510-1709	OW-2	0.0050	58	IN1021957196I3A	INSPC-1
510-1710	OW-1	0.0050	32	IN1021957196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geraghty & Miller, Inc.
150 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Sample Descript: Water

First Sample #: 510-1702

Reported: Nov 2, 1995

BACTERIOLOGICAL ANALYSIS: HETEROTROPHIC PLATE COUNT

Sample Number	Date Sampled and Received	Sample Description	Heterotrophic Plate Count CFU/mL
510-1702	10/20/95	MW-12	>5,700
510-1703	10/20/95	MW-10	3,400
510-1704	10/20/95	MW-14	53
510-1705	10/20/95	DP-1	>57,000
510-1706	10/20/95	MW-3B	>5,700
510-1707	10/20/95	MW-3C	>5,700
510-1708	10/20/95	MW-11	>57,000
510-1709	10/20/95	OW-2	8,600
510-1710	10/20/95	OW-1	8,400

SEQUOIA ANALYTICAL #1210


Kevin Van Slambrook
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Heraghty & Miller, Inc.
150 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: HC0304-002
Matrix: Liquid

QC Sample Group: 5101702-710

Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC102795 801007A	GC102795 801007A	GC102795 801007A	GC110195 801007A	GC110195 801007A	GC110195 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.
MS/MSD #:	5101708	5101708	5101708	5102520	5102520	5102520
Sample Conc.:	N.D.	18 mg/L	N.D.	N.D.	18 mg/L	N.D.
Prepared Date:	10/27/95	10/27/95	10/27/95	11/1/95	11/1/95	11/1/95
Analyzed Date:	10/27/95	10/27/95	10/27/95	11/1/95	11/1/95	11/1/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	9.8	21	9.7	8.7	11	8.5
MS % Recovery:	98	30	97	87	-	85
Dup. Result:	9.4	20	9.1	8.1	10	8.1
MSD % Recov.:	94	20	91	81	-	81
RPD:	4.2	4.9	8.4	7.1	9.5	4.8
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS102795	LCS102795	LCS102795	LCS110195	LCS110195	LCS110195
Prepared Date:	10/27/95	10/27/95	10/27/95	11/1/95	11/1/95	11/1/95
Analyzed Date:	10/27/95	10/27/95	10/27/95	11/1/95	11/1/95	11/1/95
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	7.3	9.8	7.8	8.2	9.8	8.1
MS % Recov.:	73	98	78	82	98	81

MS/MSD LCS Control Limits	28-167	35-148	38-150	28-167	35-148	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
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Crughty & Miller, Inc.
150 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Matrix: Liquid

QC Sample Group: 5101702-710

Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Chromium	Nitrite as NO2	Nitrate as NO3	Nitrite as NO2	Sulfate	Sulfate
QC Batch#:	ME102395	ME102395	IN102095	IN102095	IN102395	IN102095	IN102395
	2007MDB	2007MDB	300011D	300011D	300011A	300011D	300011A
Analy. Method:	EPA 200.7	EPA 200.7	EPA 300.0	EPA 300.0	EPA 300.0	EPA 300.0	EPA 300.0
Prep. Method:	EPA 200.7	EPA 200.7	EPA 300.0	EPA 300.0	EPA 300.0	EPA 300.0	EPA 300.0
Analyst:	L. Huang	L. Huang	R. Salinas	R. Salinas	R. Salinas	R. Salinas	R. Salinas
MS/MSD #:	5101708	5101708	5101708	5101708	5101709	5101708	5101709
Sample Conc.:	0.18 mg/L	0.22 mg/L	N.D.	N.D.	N.D.	21 mg/L	87 mg/L
Prepared Date:	10/23/95	10/23/95	10/20/95	10/20/95	10/23/95	10/20/95	10/23/95
Analyzed Date:	10/25/95	10/31/95	10/20/95	10/20/95	10/23/95	10/20/95	10/23/95
Instrument I.D.#:	MV-3	MV-3	INIC-1	INIC-1	INIC-1	INIC-1	INIC-1
Conc. Spiked:	1.0 mg/L	1.0 mg/L	25 mg/L	100 mg/L	25 mg/L	100 mg/L	100 mg/L
Result:	1.1	1.2	19	88	23	120	190
MS % Recovery:	92	98	78	88	92	99	103
Dup. Result:	1.1	1.2	20	91	25	120	180
MSD % Recov.:	92	98	80	91	100	98	93
RPD:	0.0	0.0	5.1	3.4	8.3	0.0	5.4
RPD Limit:	0-20	0-20	0-30	0-30	0-30	0-30	0-20

LCS #:	BLK102395	BLK102395	300.0RS10F-1	300.0RS10F-1	300.0RS10F-2	300.0RS10F-1	300.0RS10F-2
Prepared Date:	10/23/95	10/23/95	10/20/95	10/20/95	10/23/95	10/20/95	10/23/95
Analyzed Date:	10/25/95	10/31/95	10/20/95	10/20/95	10/23/95	10/20/95	10/23/95
Instrument I.D.#:	MV-3	MV-3	INIC-1	INIC-1	INIC-1	INIC-1	INIC-1
Conc. Spiked:	1.0 mg/L	1.0 mg/L	2.5 mg/L	10 mg/L	2.5 mg/L	10 mg/L	10 mg/L
LCS Result:	0.89	0.98	2.4	10	2.4	10	9.8
MS % Recov.:	89	98	98	100	98	100	98

MS/MSD LCS Control Limits	75-125	75-125	70-130	88-137	70-130	81-127	81-127
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
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Paraghty & Miller, Inc.
50 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304-002
Matrix: Liquid

QC Sample Group: 5101702-710

Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Nitrite as NO2	Nitrate as NO3	Sulfate	Hexavalent Chromium
QC Batch#:	IN102095 300011C	IN102095 300011C	IN102095 300011C	IN102195 719613A
Analy. Method:	EPA 300.0	EPA 300.0	EPA 300.0	EPA 7196
Prep. Method:	EPA 300.0	EPA 300.0	EPA 300.0	EPA 7196
Analyst:	R. Salinas	R. Salinas	R. Salinas	R. Salinas
MS/MSD #:	5101708	5101708	5101708	5101708
Sample Conc.:	N.D.	0.35 mg/L	310 mg/L	N.D.
Prepared Date:	10/20/95	10/20/95	10/20/95	10/21/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/21/95
Instrument I.D.#:	INIC-1	INIC-1	INIC-1	INSPC-1
Conc. Spiked:	25 mg/L	100 mg/L	100 mg/L	0.050 mg/L
Result:	20	97	410	0.47
MS % Recovery:	80	97	100	94
Dup. Result:	20	97	410	0.44
MSD % Recov.:	80	97	100	88
RPD:	0.0	0.0	0.0	8.6
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	300.0RS10F-1	300.0RS10F-1	300.0RS10F-1	7196RS10J
Prepared Date:	10/20/95	10/20/95	10/20/95	10/21/95
Analyzed Date:	10/20/95	10/20/95	10/20/95	10/21/95
Instrument I.D.#:	INIC-1	INIC-1	INIC-1	INSPC-1
Conc. Spiked:	2.5 mg/L	10 mg/L	10 mg/L	0.050 mg/L
LCS Result:	2.4	10	10	0.047
LCS % Recov.:	96	100	100	94

MS/MSD LCS Control Limits	70-130	80-137	81-127	70-130
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Please Note:

The LCS is a control sample of known, interferant-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Project Number RC 0304.002
 Project Location EE Emerville
 Laboratory Sequoia Lab.
 Sampler(s)/Affiliation Geoghegan & Miller
Cs. Crowley

SAMPLE IDENTITY Code Date/Time/ Sampled Lab ID

			SAMPLE BOTTLE / CONTAINER DESCRIPTION							
			Total Chromium USEPA 800-7	Hexavalent Chromium	USEPA 7196 Halogenated Organic Compounds	USEPA 8010 Nitrate	Sulfate Nitrite	HPC SM905C		
MW-12	L	10/20/95 10:00	X	X	X	X	X	X	5101702AF	6
MW-10	L	11:15	X	X	X		X	X	5101703	6
MW-14	L	11:30	X	X	X	X	X	X	5101704	6
DP-1	L	11:00	X	X	X	X	X	X	5101705	6
MW-3B	L	10:30	X	X	X	X	X	X	5101706	6
MW-3C	L	10:15	X	X	X	X	X	X	5101707	6
MW-11	L	9:35	X	X	X	X	X	X	5101708	6
OW-2	L	9:40	X	X	X		X	X	5101709	6
OW-1	L	9:50	X	X	X	X	X	X	5101710	6

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

54

Relinquished by: <u>[Signature]</u>	Organization: <u>Geoghegan & Miller</u>	Date: <u>10/20/95</u> Time: <u>15:30</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>10/20/95</u> Time: <u>15:30</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>10/20/95</u> Time: <u>5:15</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>10/20/95</u> Time: <u>17:15</u>	

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier Lab Courier Other



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geighty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC304-002 Sample Descript: Water Analysis for: Nitrate as NO3 First Sample #: 510-1277	Sampled: Oct 16, 1995 Received: Oct 17, 1995 Analyzed: Oct 18, 1995 Reported: Oct 24, 1995
---	---	---

LABORATORY ANALYSIS FOR: Nitrate as NO3

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1277	MW-10	1.0	N.D.	IN1018953001B	INIC-1
510-1281	MW-11	1.0	N.D.	IN1018953001B	INIC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



**Sequoia
Analytical**

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Geighty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC304-002 Sample Descript: Water Analysis for: Chemical Oxygen Demand First Sample #: 510-1279	Sampled: Oct 16, 1995 Received: Oct 17, 1995 Analyzed: Oct 20, 1995 Reported: Oct 24, 1995
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LABORATORY ANALYSIS FOR: Chemical Oxygen Demand

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1279	MW-14	20	65	IN1020954104I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC304-002 Sample Descript: Water Analysis for: Biochemical Oxygen Demand First Sample #: 510-1277	Sampled: Oct 16, 1995 Received: Oct 17, 1995 Analyzed: Oct 18, 1995 Reported: Oct 24, 1995
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LABORATORY ANALYSIS FOR: Biochemical Oxygen Demand

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
510-1277	MW-10	1.0	250	IN1017954051001A	Manual
510-1278	OW-2	1.0	N.D.	IN1017954051001A	Manual
510-1279	MW-14	1.0	N.D.	IN1017954051001A	Manual
510-1280	DP-1	1.0	>3600	IN1017954051001A	Manual
510-1281	MW-11	1.0	15	IN1017954051001A	Manual

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Geighty & Miller, Inc. Client Project ID: #RC304-002
1050 Marina Way South Matrix: Liquid
Richmond, CA 94804
Attention: Ted Crump QC Sample Group: 5101277-281
Reported: Oct 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Chemical Oxygen Demand	Nitrate as NO3
QC Batch#:	IN102095 410413A	IN101895 300011B
Analy. Method:	EPA 410.4	EPA 300.0
Rep. Method:	EPA 410.4	EPA 300.0
Analyst:	R. Salinas	R. Salinas
MS/MSD #:	5101272	5101263
Sample Conc.:	1100 mg/L	2.2 mg/L
Prepared Date:	10/20/95	10/18/95
Analyzed Date:	10/20/95	10/18/95
Instrument I.D.#:	INSPC-1	INIC-1
Conc. Spiked:	1300 mg/L	100 mg/L
Result:	2000	98
MS % Recovery:	69	96
Dup. Result:	2000	97
MSD % Recov.:	69	95
RPD:	0.0	1.0
RPD Limit:	0-20	0-20

LCS #:	410.4RS10J	300.0RS10F
Prepared Date:	10/20/95	10/18/95
Analyzed Date:	10/20/95	10/18/95
Instrument I.D.#:	INSPC-1	INIC-1
Conc. Spiked:	250 mg/L	100 mg/L
LCS Result:	250	9.8
LCS % Recov.:	100	98

MS/MSD		
LCS	70-130	86-137
Control Limits		

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271
Kevin Van Siambrook
Kevin Van Siambrook
Project Manager



**Sequoia
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Gilgaty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC304-002
Matrix: Liquid

QC Sample Group: 5101277-281

Reported: Oct 24, 1995

QUALITY CONTROL DATA REPORT

ANALYTE Biochemical

Oxygen Demand

QC Batch #: IN1017954051001A

Method: EPA 405.1

Analyst: C. Buisan

Date Analyzed: 10/22/95

Instrument I.D.#: Manual

Sample #: 9510B52-02

Sample Concentration: 3.9

Sample Duplicate Concentration: 3.4

RPD: 14

RPD Control Limits: 0-30

SEQUOIA ANALYTICAL, #1210

Ken Van Slambrook
Ken Van Slambrook
Project Manager



**Sequoia
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Geramity & Miller
 050 Marina Way South
 Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
 Sample Descript: MW-3A
 Matrix: LIQUID
 Analysis Method: EPA 8010
 Lab Number: 9509B58-01

Sampled: 09/19/95
 Received: 09/19/95
 Analyzed: 09/22/95
 Reported: 10/02/95

GC Batch Number: GC092295801016A
 Instrument ID: GCHP16

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
1-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
trans-1,2-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	0.56
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Current Rates	Control Limits %		% Recovery
Chloro-2-fluorobenzene	70	130	92

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Gregory
 Project Manager



Ger... & Miller
1050 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9509B58-02

Sampled: 09/19/95
Received: 09/19/95
Analyzed: 09/27/95
Reported: 10/02/95

Attention: G Crowley

GC Batch Number: GC092695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon Tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
<i>cis</i> -1,2-Dichloroethene	50	590
<i>trans</i> -1,2-Dichloroethene	50	92
1,2-Dichloropropane	50	N.D.
<i>cis</i> -1,2-Dichloropropene	50	N.D.
<i>trans</i> -1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	65
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	3500
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	103

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Gerhardt & Miller 1050 Marina Way South Richmond, CA 94804	Client Proj. ID: RC0304.002 ECI Emeryville Sample Descript: MW-6 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9509B58-03	Sampled: 09/19/95 Received: 09/19/95 Analyzed: 09/29/95 Reported: 10/02/95
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GC Batch Number: GC092995801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	5.1
Chloroethane	10	N.D.
1,2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	46
cis-1,2-Dichloroethene	5.0	48
trans-1,2-Dichloroethene	5.0	12
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	6.4
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	210
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	13

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	78

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Gerhardt & Miller 050 Marina Way South Richmond, CA 94804	Client Proj. ID: RC0304.002 ECI Emeryville Sample Descript: MW-12 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9509858-04	Sampled: 09/19/95 Received: 09/19/95 Analyzed: 09/28/95 Reported: 10/02/95
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GC Batch Number: GC092695801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.3	N.D.
Bromoform	1.3	N.D.
Bromomethane	2.5	N.D.
Carbon Tetrachloride	1.3	N.D.
Chlorobenzene	1.3	N.D.
Chloroethane	2.5	N.D.
1-Chloroethylvinyl ether	2.5	N.D.
Chloroform	1.3	N.D.
Chloromethane	2.5	N.D.
Dibromochloromethane	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.
1,1-Dichloroethane	1.3	1.6
1,2-Dichloroethane	1.3	2.9
1,1-Dichloroethene	1.3	15
cis-1,2-Dichloroethene	1.3	9.1
trans-1,2-Dichloroethene	1.3	3.8
1,2-Dichloropropane	1.3	N.D.
cis-1,2-Dichloropropene	1.3	N.D.
trans-1,3-Dichloropropene	1.3	N.D.
Methylene chloride	1.3	N.D.
1,1,2,2-Tetrachloroethane	1.3	N.D.
Tetrachloroethene	1.3	14
1,1,1-Trichloroethane	1.3	7.2
1,1,2-Trichloroethane	1.3	N.D.
Trichloroethene	1.3	67
Trichlorofluoromethane	1.3	N.D.
Vinyl chloride	2.5	N.D.

Surrogates	Control Limits %	% Recovery
Chloro-2-fluorobenzene	70 130	96

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Geighty & Miller Client Proj. ID: RC0304.002 ECI Emeryville Sampled: 09/19/95
 105 Marina Way South Sample Descript: MW-13 Received: 09/19/95
 Richmond, CA 94804 Matrix: LIQUID
 Attention: G Crowley Analysis Method: EPA 8010 Analyzed: 09/29/95
 Lab Number: 9509B58-05 Reported: 10/02/95

QC Batch Number: GC092695801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	18
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	72
trans-1,2-Dichloroethene	5.0	25
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,1,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	12
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	240
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	42

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70	130
		101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

[Signature]
 Mike Gregory
 Project Manager



Sequoia Analytical

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Geighty & Miller
105 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
Sample Descript: MW-16
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9509B58-06

Sampled: 09/19/95
Received: 09/19/95
Analyzed: 09/29/95
Reported: 10/02/95

Attention: G Crowley

QC Batch Number: GC092695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	125	N.D.
Bromoform	125	N.D.
Bromomethane	250	N.D.
Carbon Tetrachloride	125	N.D.
Chlorobenzene	125	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	125	N.D.
Chloromethane	250	N.D.
Dibromochloromethane	125	N.D.
1,2-Dichlorobenzene	125	N.D.
1,3-Dichlorobenzene	125	N.D.
1,4-Dichlorobenzene	125	N.D.
1,1-Dichloroethane	125	N.D.
1,2-Dichloroethane	125	N.D.
1,1-Dichloroethene	125	590
cis-1,2-Dichloroethene	125	2500
trans-1,2-Dichloroethene	125	190
1,2-Dichloropropane	125	N.D.
cis-1,3-Dichloropropene	125	N.D.
trans-1,3-Dichloropropene	125	N.D.
Methylene chloride	1250	N.D.
1,1,1,2-Tetrachloroethane	125	N.D.
Tetrachloroethene	125	N.D.
1,1,1-Trichloroethane	125	190
1,1,2-Trichloroethane	125	N.D.
Trichloroethene	125	7800
Trichlorofluoromethane	125	N.D.
Vinyl chloride	250	730

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	105

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Sequoia Analytical

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Gerhardt & Miller
 1050 Marina Way South
 Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
 Sample Descript: MW-17
 Matrix: LIQUID
 Analysis Method: EPA 8010
 Lab Number: 9509B58-07

Sampled: 09/19/95
 Received: 09/19/95
 Analyzed: 09/28/95
 Reported: 10/02/95

Attention: G Crowley

GC Batch Number: GC092695801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	52
Chloroethane	10	N.D.
1-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	28
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
trans-1,2-Dichloroethene	5.0	42
cis-1,2-Dichloroethene	5.0	50
trans-1,2-Dichloroethene	5.0	23
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	9.8
1,1,1-Trichloroethane	5.0	11
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	260
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Current	Control Limits %	% Recovery
Chloro-2-fluorobenzene	70	130
		91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Sequoia Analytical

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Gerughty & Miller
105 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
Sample Descript: MW-18
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9509B58-08

Sampled: 09/19/95
Received: 09/19/95
Analyzed: 09/28/95
Reported: 10/02/95

Attention: G Crowley

GC Batch Number: GC092695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
1,2-Dichloroethyl vinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	34
trans-1,2-Dichloroethene	5.0	20
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	14
1,1,1-Trichloroethane	5.0	16
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	200
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	93

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Genzly & Miller
1050 Marina Way South
Richmond, CA 94804
Attention: G Crowley

Client Proj. ID: RC0304.002 ECI Emeryville
Sample Descript: MW-18A
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9509B58-09

Sampled: 09/19/95
Received: 09/19/95
Analyzed: 09/28/95
Reported: 10/02/95

GC Batch Number: GC092695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,2-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Category
Project Manager



Geraghty & Miller
105 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
Sample Descript: MW-20
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9509B58-10

Sampled: 09/19/95
Received: 09/19/95
Analyzed: 09/29/95
Reported: 10/02/95

Attention: G Crowley

Batch Number: GC092695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,2-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %	% Recovery
Chloro-2-fluorobenzene	70 130	103

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



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Gerrigthy & Miller
105 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
Lab Proj. ID: 9509B58

Sampled: 09/19/95
Received: 09/19/95
Analyzed: see below

Attention: G Crowley

Reported: 10/02/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509B58-01 Sample Desc: LIQUID,MW-3A				
Chromium	mg/L	09/26/95	0.010	0.065
Chromium VI	mg/L	09/19/95	0.0050	N.D.
Lab No: 9509B58-02 Sample Desc: LIQUID,MW-4				
Chromium	mg/L	09/26/95	0.020	14
Chromium VI	mg/L	09/19/95	0.0050	15
Lab No: 9509B58-03 Sample Desc: LIQUID,MW-6				
Chromium	mg/L	09/26/95	0.020	45
Chromium VI	mg/L	09/19/95	0.0050	43
Lab No: 9509B58-04 Sample Desc: LIQUID,MW-12				
Chromium	mg/L	09/26/95	0.020	18
Chromium VI	mg/L	09/19/95	0.0050	19
Nitrate as Nitrate	mg/L	09/20/95	0.10	25
Nitrite as Nitrite	mg/L	09/20/95	0.10	N.D.
Lab No: 9509B58-05 Sample Desc: LIQUID,MW-13				
Chromium	mg/L	09/26/95	0.020	200
Chromium VI	mg/L	09/19/95	0.0050	210

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Sequoia Analytical

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Geraghty & Miller
 105 Marina Way South
 Richmond, CA 94804

Client Proj. ID: RC0304.002 ECI Emeryville
 Lab Proj. ID: 9509B58

Sampled: 09/19/95
 Received: 09/19/95
 Analyzed: see below

Attention: G Crowley

Reported: 10/02/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509B58-06 Sample Desc: LIQUID,MW-16				
Chromium	mg/L	09/26/95	0.020	83
Chromium VI	mg/L	09/19/95	0.0050	87
Lab No: 9509B58-07 Sample Desc: LIQUID,MW-17				
Chromium	mg/L	09/26/95	0.020	170
Chromium VI	mg/L	09/19/95	0.0050	180
Lab No: 9509B58-08 Sample Desc: LIQUID,MW-18				
Chromium	mg/L	09/26/95	0.020	25
Chromium VI	mg/L	09/19/95	0.0050	27
Lab No: 9509B58-09 Sample Desc: LIQUID,MW-18A				
Chromium	mg/L	09/26/95	0.010	N.D.
Chromium VI	mg/L	09/19/95	0.0050	N.D.
Lab No: 9509B58-10 Sample Desc: LIQUID,MW-20				
Chromium	mg/L	09/26/95	0.010	N.D.
Chromium VI	mg/L	09/19/95	0.0050	N.D.
Lab No: 9509B58-11 Sample Desc: LIQUID,MW-12 (Dissolved)				
Chromium	mg/L	09/26/95	0.020	17
Chromium VI	mg/L	09/19/95	0.0050	19

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


 Project Manager



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Gerughty & Miller Client Proj. ID: RC0304.002 ECI Emeryville Sampled: 09/19/95
 105 Marina Way South Received: 09/19/95
 Richmond, CA 94804 Lab Proj. ID: 9509B58 Analyzed: see below
 Attention: G Crowley Reported: 10/02/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509B58-12				
Sample Desc: LIQUID, MW-16 (Dissolved)				
Chromium	mg/L	09/26/95	0.020	74
Chromium VI	mg/L	09/19/95	0.0050	86
Lab No: 9509B58-13				
Sample Desc: LIQUID, MW-17 (Dissolved)				
Chromium	mg/L	09/26/95	0.020	160
Chromium VI	mg/L	09/19/95	0.0050	180

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: G Crowley

Client Project ID: RC0304.002 ECI Emeryville
Matrix: Liquid

Work Order #: 9509B58 -01

Reported: Oct 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC092295801016A	GC092295801016A	GC092295801016A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9509B5801	9509B5801	9509B5801
Sample Conc.:	N.D.	0.60	N.D.
Prepared Date:	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	GCHP16	GCHP16	GCHP16
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

Result:	23	22	24
MS % Recovery:	92	86	96

Dup. Result:	24	22	26
MSD % Recov.:	96	86	104

RPD:	4.3	0.0	8.0
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK092295	BLK092295	BLK092295
Prepared Date:	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	GCHP16	GCHP16	GCHP16
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

LCS Result:	25	22	25
LCS % Recov.:	100	88	100

MS/MSD LCS	28-167	35-146	38-150
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager



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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: G Crowley

Client Project ID: RC0304.002 ECI Emeryville
Matrix: Liquid

Work Order #: 9509B58-02, 04-10

Reported: Oct 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC092695801024A	GC092695801024A	GC092695801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9509E4908	9509E4908	9509E4908
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	9/26/95	9/26/95	9/26/95
Analyzed Date:	9/26/95	9/26/95	9/26/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

Result:	11	15	27
MS % Recovery:	44	60	108

Dup. Result:	11	14	27
SD % Recov.:	44	56	108

RPD:	0.0	6.9	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK092695	BLK092695	BLK092695
Prepared Date:	9/26/95	9/26/95	9/26/95
Analyzed Date:	9/26/95	9/26/95	9/26/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	25	19	23
LCS % Recov.:	100	76	92

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL

Maureen Gregory
Project Manager

9509B58.GER <2>



Sequoia Analytical

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Geraghty & Miller
 1050 Marina Way, South
 Richmond, CA 94804
 Attention: G Crowley

Client Project ID: RC0304.002 ECI Emeryville
 Matrix: Liquid

Work Order #: 9509B58-03

Reported: Oct 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC092995801024A	GC092995801024A	GC092995801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9509E2202	9509E2202	9509E2202
Sample Conc.:	N.D.	15	N.D.
Prepared Date:	9/29/95	9/29/95	9/29/95
Analyzed Date:	9/29/95	9/29/95	9/29/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L

Result:	22	31	22
MS % Recovery:	88	64	88
Dup. Result:	23	32	22
MSD % Recov.:	92	68	88
RPD:	4.4	3.2	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK092995	BLK092995	BLK092995
Prepared Date:	9/29/95	9/29/95	9/29/95
Analyzed Date:	9/29/95	9/29/95	9/29/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	22	18	23
LCS % Recov.:	88	72	92

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
 Project Manager

9509B58.GER <3>



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: G Crowley

Client Project ID: RC0304.002 ECI Emeryville
Matrix: Liquid

Work Order #: 9509B58-01-13

Reported: Oct 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel	Hexavalent Chromium
QC Batch#:	ME0925956010MDA	ME0925956010MDA	ME0925956010MDA	ME0925956010MDA	IN091995719600A
Analy. Method:	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 7196
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010	N.A.

Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser	D. Lawrence
MS/MSD #:	9509C8501	9509C8501	9509C8501	9509C8501	9509B5801
Sample Conc.:	N.D.	N.D.	0.022	0.15	N.D.
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95	9/19/95
Analyzed Date:	9/26/95	9/26/95	9/26/95	9/26/95	9/19/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MANUAL
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	0.50 mg/L
Result:	1.0	1.0	1.0	1.1	0.48
MS % Recovery:	100	100	98	95	96
Dup. Result:	1.0	1.0	1.0	1.2	0.48
MSD % Recov.:	100	100	98	105	96
RPD:	0.0	0.0	0.0	8.7	0.0
RPD Limit:	0-30	0-30	0-30	0-30	0-30

LCS #:	BLK092595	BLK092595	BLK092595	BLK092595
Prepared Date:	9/25/95	9/25/95	9/25/95	9/25/95
Analyzed Date:	9/26/95	9/26/95	9/26/95	9/26/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.1	1.0	1.0
LCS % Recov.:	100	110	100	100

MS/MSD LCS Control Limits	75-125	75-125	75-125	75-125	70-130

Please Note:

The LCS is a control sample of known, Interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9509B58.GER <4>



Sequoia Analytical

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FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: G Crowley

Client Project ID: RC0304.002 ECI Emeryville

Matrix: Liquid

Work Order #: 9509B58-04

Reported: Oct 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Nitrite	Nitrate
QC Batch#:	IN092095300ACB	IN092095300ACB
Analy. Method:	EPA 300.0	EPA 300.0
Prep. Method:	N.A.	N.A.

Analyst:	G. Fish	G. Fish
MS/MSD #:	950982016	950982016
Sample Conc.:	N.D.	N.D.
Prepared Date:	9/20/95	9/20/95
Analyzed Date:	9/20/95	9/20/95
Instrument I.D.#:	INIC1	INIC1
Conc. Spiked:	1000 mg/L	1000 mg/L

Result:	980	1000
% Recovery:	98	10

Dup. Result:	960	970
SD % Recov.:	96	97

RPD:	2.1	3.1
RPD Limit:	0-30	0-30

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
CS % Recov.:

MS/MSD		
LCS	70-130	70-130
Control Limits		

Please Note:

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SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9509B58.GER <5>

Project Number RC0304-002
 Project Location ECI Energyville
 Laboratory Sey Uroca
 Sampler(s)/Affiliation Cerughty & Miller
G. Crowley

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	Total Chromium USEPA method 800-7	Hexavalent Chromium USEPA method 7916	Hydrogenated Volatile Organics USEPA method 8010	Dissolved Total Chromium 200.7	Dissolved Hexavalent Chromium 7196	Nitrite Nitrate 300.0	TOTAL
MW-3A	L	9/19 1:50	01	X	X	X				5
MW-4	L	9/19 1:30	02	X	X	X				5
MW-6	L	9/19 2:10	03	X	X	X				5
MW-12	L	9/19 2:00	04	X	X	X	X	X		8
MW-13	L	9/19 1:45	05	X	X	X				5
MW-16	L	9/19 2:25	06	X	X	X	X	X		7
MW-17	L	9/19 2:30	07	X	X	X	X	X		7
MW-18	L	9/19 2:45	08	X	X	X				5
MW-18A	L	9/19 2:50	09	X	X	X				5
MW-20	L	9/19 1:35	10	X	X	X				5
↓ NOTE 1: PLEASE PRESERVE AT LAB.										

9509B578

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

Relinquished by: <u>[Signature]</u>	Organization: <u>Cerughty & Miller</u>	Date: <u>9/19/95</u> Time: <u>4:20</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>PRIME</u>	Date: <u>9/19/95</u> Time: <u>4:20</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>PRIME</u>	Date: <u>9/19/95</u> Time: <u>6:00</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Signature</u>	Date: <u>9/19/95</u> Time: <u>1:00</u>	

Special Instructions/Remarks:

* FOR DISSOLVED ANALYSIS, FILTER THE SAMPLE PRIOR TO DIGESTION AND ANALYSIS

Delivery Method: In Person Common Carrier PRIME Lab Courier Other _____

SPECIFY

SPECIFY



Sequoia Analytical

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FAX (510) 988-9673
FAX (916) 921-0100

Gerughty & Miller
105 Marina Way South
Richmond, CA 94804

Client Proj. ID: RC0304.002/ECI Emeryville
Lab Proj. ID: 9509A72

Sampled: 09/18/95
Received: 09/18/95
Analyzed: see below

Attention: Gary Crowley

Reported: 09/28/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509A72-01 Sample Desc: LIQUID,OW-2				
Chromium	mg/L	09/26/95	0.020	70
Chromium VI	mg/L	09/18/95	0.0050	77
Nitrate as Nitrate	mg/L	09/19/95	0.10	11
Nitrite as Nitrite	mg/L	09/19/95	0.10	5.2
Sulfate	mg/L	09/19/95	0.10	83

Lab No: 9509A72-02 Sample Desc: LIQUID,MW-10				
Chromium	mg/L	09/26/95	0.020	150
Chromium VI	mg/L	09/18/95	0.0050	150
Nitrate as Nitrate	mg/L	09/19/95	0.10	44
Nitrite as Nitrite	mg/L	09/19/95	0.10	6.5
Sulfate	mg/L	09/19/95	0.10	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Gregory
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Gary Crowley

Client Project ID: RC0304.002/ECI Emeryville
Matrix: Liquid

Work Order #: 9509A72 -01, 02

Reported: Sep 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel	Hexavalent Chromium
QC Batch#:	ME0926956010MDA	ME0926956010MDA	ME0926956010MDA	ME0926956010MDA	IN091895719600A
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7196
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010	N.A.

Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser	D. Lawrence
MS/MSD #:	9509E64-01	9509E64-01	9509E64-01	9509E64-01	9509A23-01
Sample Conc.:	N.D.	N.D.	1.4	0.23	0.0053
Prepared Date:	9/26/95	9/26/95	9/26/95	9/26/95	9/18/95
Analyzed Date:	9/26/95	9/26/95	9/26/95	9/26/95	9/18/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MANUAL
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	0.50 mg/L

Result:	1.0	1.0	2.4	1.2	0.36
MS % Recovery:	100	100	100	97	71

Dup. Result:	1.0	1.0	2.4	1.2	0.36
MSD % Recov.:	100	100	100	97	71

RPD:	0.0	0.0	0.0	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30	0-30

LCS #:	BLK092695	BLK092695	BLK092695	BLK092695
Prepared Date:	9/26/95	9/26/95	9/26/95	9/26/95
Analyzed Date:	9/26/95	9/26/95	9/26/95	9/26/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L

LCS Result:	1.1	1.1	1.0	1.0
MS % Recov.:	110	110	100	100

MS/MSD	75-125	75-125	75-125	75-125	70-130
LCS	75-125	75-125	75-125	75-125	
Control Limits					

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9509A72.GER <1>



**Sequoia
Analytical**

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Geraghty & Miller
 1050 Marina Way, South
 Richmond, CA 94804
 Attention: Gary Crowley

Client Project ID: RC0304.002/ECI Emeryville
 Matrix: Liquid

Work Order #: 9509A72 -01

Reported: Sep 28, 1995

QUALITY CONTROL DATA REPORT

Analyte: Nitrite Nitrate Sulfate

QC Batch#: IN0919953000ACB IN0919953000ACB IN0919953000ACB

Analy. Method: EPA 300.0 EPA 300.0 EPA 300.0

Prep. Method: N.A. N.A. N.A.

Analyst: S. Flynn S. Flynn S. Flynn

MS/MSD #: 9509A72-01 9509A72-01 9509A72-01

Sample Conc.: N.D. N.D. N.D.

Prepared Date: 9/19/95 9/19/95 9/19/95

Analyzed Date: 9/19/95 9/19/95 9/19/95

Instrument I.D.#: INIC1 INIC1 INIC1

Conc. Spiked: 100 mg/L 100 mg/L 100 mg/L

Result: 100 110

% Recovery: 100 110

Dup. Result: 100 110

SD % Recov.: 100 110

RPD: 0.0 0.0

RPD Limit: 0-30 0-30

LCS #: LCS091995

Prepared Date: 9/19/95

Analyzed Date: 9/19/95

Instrument I.D.#: INIC1

Conc. Spiked: 5.0 mg/L

LCS Result: 4.8

CS % Recov.: 96

MS/MSD 70-130 70-130 70-130

LCS

Control Limits

Please Note:

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SEQUOIA ANALYTICAL

Mike Gregory
 Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9509A72.GER <2>



Sequoia Analytical

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FAX (916) 921-0100

Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Gary Crowley

Client Project ID: RC0304.002/ECI Emeryville
Matrix: Liquid

Work Order #: 9509A72 -02

Reported: Sep 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Nitrite	Nitrate	Sulfate
QC Batch#:	IN0919953000ACC	IN0919953000ACC	IN0919953000ACC
Analy. Method:	EPA 300.0	EPA 300.0	EPA 300.0
Prep. Method:	N.A.	N.A.	N.A.

Analyst:	S. Flynn	S. Flynn	S. Flynn
MS/MSD #:	9509901-04	9509901-04	9509901-04
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	9/19/95	9/19/95	9/19/95
Analyzed Date:	9/19/95	9/19/95	9/19/95
Instrument I.D.#:	INIC1	INIC1	INIC1
Conc. Spiked:	1000 mg/L	1000 mg/L	1000 mg/L

Result:	1000	1000	1200
MS % Recovery:	100	100	120
Dup. Result:	1000	1000	1200
MSD % Recov.:	100	100	120
RPD:	0.0	0.0	0.0
RPD Limit:	0-30	0-30	0-30

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD	70-130	70-130	70-130
LCS			
Control Limits			

Please Note:

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SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9509A72.GER <3>

Project Number RCC304.002

Project Location ECI Emeryville

Laboratory SQUOIA

Sampler(s)/Affiliation Cecilia Miller
G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE IDENTITY Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION					TOTAL
			Sulfate	Hexavalent Chromium	Total Chromium	Nitrate	Nitrite	
OW-2	L 9/18 10:00		X	X	X	X		4
MW-10	L 9/18 9:30		X	X	X	X		4

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers 8

Relinquished by: [Signature] Organization: G&M Date 9/18/95 Time Seal Intact? Yes No N/A
 Received by: [Signature] #384 Organization: PRIME Date 9/17/95 Time 2:10 pm

Relinquished by: [Signature] Organization: Prime Date 9/18/95 Time 4:00 pm Seal Intact? Yes No N/A
 Received by: [Signature] Organization: SQUOIA Date 9/18/95 Time 10:00

Special Instructions/Remarks:

Delivery Method: In Person Common Carrier PRIME Lab Courier Other



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Gerraghty & Miller
 105 Marina Way South
 Richmond, CA 94804

Client Proj. ID: RC0304.001/ECI Emeryville CA

Sampled: 08/21/95

Lab Proj. ID: 9508F83

Received: 08/22/95

Analyzed: see below

Attention: Ted Crump

Reported: 09/05/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9508F83-01				
Sample Desc: LIQUID, MW-10				
Chromium	mg/L	08/31/95	0.020	140
Chromium VI	mg/L	08/22/95	2.5	160
Nitrate as Nitrate	mg/L	08/23/95	0.10	51
Nitrite as Nitrite	mg/L	08/23/95	0.10	6.9
Sulfate	mg/L	08/23/95	0.10	110

analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller Client Proj. ID: RC0304.001/ECI Emeryville CA Sampled: 08/22/95
 1050 Marina Way South Received: 08/22/95
 Richmond, CA 94804 Lab Proj. ID: 9508F83 Analyzed: see below
 Attention: Ted Crump Reported: 09/05/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9508F83-02 Sample Desc: LIQUID,MW-11				
Chromium	mg/L	08/31/95	0.010	0.36
Chromium VI	mg/L	08/22/95	0.0050	0.22
Nitrate as Nitrate	mg/L	08/23/95	0.10	5.4
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	8.1
Lab No: 9508F83-03 Sample Desc: LIQUID,OW-2				
Chromium	mg/L	08/31/95	0.020	36
Chromium VI	mg/L	08/22/95	2.5	36
Nitrate as Nitrate	mg/L	08/23/95	0.10	6.2
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	74
Lab No: 9508F83-04 Sample Desc: LIQUID,OW-1				
Chromium	mg/L	08/31/95	0.020	19
Chromium VI	mg/L	08/22/95	2.5	22
Nitrate as Nitrate	mg/L	08/23/95	0.10	19
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	140
Lab No: 9508F83-05 Sample Desc: LIQUID,MW-3B				
Chromium	mg/L	08/31/95	0.010	13
Chromium VI	mg/L	08/22/95	1.0	12
Nitrate as Nitrate	mg/L	08/23/95	0.10	4.2
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	130

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller Client Proj. ID: RC0304.001/ECI Emeryville CA Sampled: 08/22/95
 050 Marina Way South Received: 08/22/95
 Richmond, CA 94804 Lab Proj. ID: 9508F83 Analyzed: see below
 Attention: Ted Crump Reported: 09/05/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9508F83-06 Sample Desc: LIQUID, MW-3C				
Chromium	mg/L	08/31/95	0.010	1.3
Chromium VI	mg/L	08/22/95	0.0050	N.D.
Nitrate as Nitrate	mg/L	08/23/95	0.10	N.D.
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	350

Lab No: 9508F83-07 Sample Desc: LIQUID, MW-12				
Chromium	mg/L	08/31/95	0.010	7.8
Chromium-VI	mg/L	08/22/95	1.0	8.6
Nitrate as Nitrate	mg/L	08/23/95	0.10	.28
Nitrite as Nitrite	mg/L	08/23/95	0.10	N.D.
Sulfate	mg/L	08/23/95	0.10	210

analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager



Geraghty & Miller 050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Proj. ID: RC0304.001/ECI Emeryville CA Sample Descript: MW-10 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9508F83-01	Sampled: 08/21/95 Received: 08/22/95 Analyzed: 08/30/95 Reported: 09/05/95
---	--	---

GC Batch Number: GC082995801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Compound Name	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	250	N.D.
Bromoform	250	N.D.
Bromomethane	500	N.D.
Carbon Tetrachloride	250	N.D.
Chlorobenzene	250	N.D.
Chloroethane	500	N.D.
1,1-Dichloroethane	500	N.D.
1,2-Dichloroethane	500	N.D.
1,1,1-Trichloroethane	250	N.D.
1,1,2-Dichloroethane	250	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
1,1-Dichloroethane	250	N.D.
1,2-Dichloroethane	250	N.D.
1,1-Dichloroethene	250	1300
trans-1,2-Dichloroethene	250	860
trans-1,2-Dichloroethene	250	N.D.
1,2-Dichloropropane	250	N.D.
trans-1,3-Dichloropropene	250	N.D.
trans-1,3-Dichloropropene	250	N.D.
Methylene chloride	2500	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	250	N.D.
1,1,1-Trichloroethane	250	770
1,1,2-Trichloroethane	250	N.D.
1,1,1-Trichloroethene	250	11000
Trichlorofluoromethane	250	N.D.
Vinyl chloride	500	N.D.

Surrogates	Control Limits: %	% Recovery
Chloro-2-fluorobenzene	70 130	92

Results reported as N.D. were not present above the stated limit of detection: --

SEQUOIA ANALYTICAL ELAP #1210

[Handwritten Signature]

Project Manager



Geraghty & Miller Client Proj. ID: RC0304.001/ECI Emeryville CA Sampled: 08/22/95
 105 Marina Way South Sample Descript: MW-11 Received: 08/22/95
 Richmond, CA 94804 Matrix: LIQUID Analyzed: 08/31/95
 Attention: Ted Crump.. Analysis Method: EPA 8010 Reported: 09/05/95
 Lab Number: 9508F83-02

GC Batch Number: GC082995801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
1,2-Dichloroethane	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	1.1
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	4.7
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70	130
		84

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Geraghty & Miller
 050 Marina Way South
 Richmond, CA 94804

Client Proj. ID: RC0304.001/ECI Emeryville CA
 Sample Descript: OW-2
 Matrix: LIQUID
 Analysis Method: EPA 8010
 Lab Number: 9508F83-03

Sampled: 08/22/95
 Received: 08/22/95
 Analyzed: 09/01/95
 Reported: 09/05/95

Attention: Ted Crump

GC Batch Number: GC083195801024B
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
1,1-Dichloroethylvinyl ether	5.0	N.D.
Chloroform	2.5	2.5
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	2.7
1,2-Dichloroethane	2.5	3.5
1,1-Dichloroethene	2.5	52
trans-1,2-Dichloroethene	2.5	29
cis-1,2-Dichloroethene	2.5	28
1,2-Dichloropropane	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	2.5	4.9
1,1,1-Trichloroethane	2.5	35
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	2.5	180
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	5.6

Surrogates	Control Limits %	% Recovery
1,2-Dichloro-2-fluorobenzene	70	130
		92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Ted Crump
 Project Manager



Geraghty & Miller 105 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Proj. ID: RC0304.001/ECI Emeryville CA Sample Descript: OW-1 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9508F83-04	Sampled: 08/22/95 Received: 08/22/95 Analyzed: 08/31/95 Reported: 09/05/95
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QC Batch Number: GC082995801024A
 Instrument ID: GCHP2+

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.2	N.D.
Bromoform	1.2	N.D.
Bromomethane	2.5	N.D.
Carbon Tetrachloride	1.2	N.D.
Chlorobenzene	1.2	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	1.2	N.D.
Chloromethane	2.5	N.D.
Dibromochloromethane	1.2	N.D.
1,2-Dichlorobenzene	1.2	N.D.
1,3-Dichlorobenzene	1.2	N.D.
1,4-Dichlorobenzene	1.2	N.D.
1,1-Dichloroethane	1.2	3.6
1,2-Dichloroethane	1.2	2.4
1,1-Dichloroethene	1.2	32
cis-1,2-Dichloroethene	1.2	16
trans-1,2-Dichloroethene	1.2	10
1,2-Dichloropropane	1.2	N.D.
cis-1,3-Dichloropropene	1.2	N.D.
trans-1,3-Dichloropropene	1.2	N.D.
Methylene chloride	1.2	N.D.
1,1,2,2-Tetrachloroethane	1.2	N.D.
Tetrachloroethene	1.2	8.9
1,1,1-Trichloroethane	1.2	16
1,1,2-Trichloroethane	1.2	N.D.
Trichloroethene	1.2	77
Trichlorofluoromethane	1.2	N.D.
Vinyl chloride	2.5	4.5

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	72

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Geraghty & Miller 105 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client-Proj. ID: RC0304.001/ECI Emeryville CA Sample Descript: MW-3B Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9508F83-05	Sampled: 08/22/95 Received: 08/22/95 Analyzed: 08/25/95 Reported: 09/05/95
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GC Batch Number: GC082595801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	41
trans-1,2-Dichloroethene	5.0	59
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	6.0
1,1,1-Trichloroethane	5.0	12
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	290
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.
Surrogates	Control Limits %	% Recovery
-Chloro-2-fluorobenzene	70 - 130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Ted Crump
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Proj. ID: RC0304.001/ECI Emeryville CA Sample Descript: MW-3B Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9508F83-05	Sampled: 08/22/95 Received: 08/22/95 Analyzed: 08/25/95 Reported: 09/05/95
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GC Batch Number: GC082595801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	41
trans-1,2-Dichloroethene	5.0	59
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	6.0
1,1,1-Trichloroethane	5.0	12
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	290
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.
Surrogates	Control Limits %	% Recovery
Chloro-2-fluorobenzene	70 - 130	96

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Geraghty & Miller - Client Proj. ID: RC0304.001/ECI Emeryville CA - Sampled: 08/22/95
 105 Marina Way South - Sample Descript: MW-3G Received: 08/22/95
 Richmond, CA 94804 Matrix: LIQUID
 Attention: Ted Crump Analysis Method: EPA 8010 Analyzed: 08/31/95
 Lab Number: 9508F83-06 Reported: 09/05/95

GC Batch Number: GC083195801024A
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	2.4
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	1.3
cis-1,2-Dichloroethene	0.50	9.2
trans-1,2-Dichloroethene	0.50	9.8
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	17
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	3.0

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 - 130	84

analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
 Project Manager



Geraghty & Miller 105 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Proj. ID: RC0304.001/ECI Emeryville CA Sample Descript: MW-12 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9508F83-07	Sampled: 08/22/95 Received: 08/22/95 Analyzed: 09/01/95 Reported: 09/05/95
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QC Batch Number: GC083195801024B
 Instrument ID: GCHP24

Halogenated Volatile Organics (EPA-8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	1.0
1,2-Dichloroethane	0.50	2.1
1,1-Dichloroethene	0.50	7.6
cis-1,2-Dichloroethene	0.50	5.2
trans-1,2-Dichloroethene	0.50	1.9
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	10
1,1,1-Trichloroethane	0.50	3.7
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	36
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	70 130	94

Analyte reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Gregory
Project Manager



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -01, 02

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Nitrite	Nitrate	Sulfate
QC Batch#:	IN0823953000ACB	IN0823953000ACB	IN0823953000ACB
Analy. Method:	EPA 300.0	EPA 300.0	EPA 300.0
Prep. Method:	N.A.	N.A.	N.A.

Analyst:	S. Flynn	S. Flynn	S. Flynn
MS/MSD #:	9508F83-02	9508F83-02	
Sample Conc.:	N.D.	N.D.	
Prepared Date:	8/23/95	8/23/95	
Analyzed Date:	8/23/95	8/23/95	
Instrument I.D.#:	INIC1	INIC1	
Conc. Spiked:	100 mg/L	1000 mg/L	

Result:	110	110
MS % Recovery:	110	110
Dup. Result:	110	110
MSD % Recov.:	110	110
RPD:	0.0	0.0
RPD Limit:	0-30	0-30

LCS #:	LCS082395
Prepared Date:	8/23/95
Analyzed Date:	8/23/95
Instrument I.D.#:	INIC1
Conc. Spiked:	5.0 mg/L
LCS Result:	5.1
LCS % Recov.:	102

MS/MSD	70-130	70-130	
LCS			90-110
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9508F83.GER <1>



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -03 - 07

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Nitrite	Nitrate	Sulfate
QC Batch#:	IN0823953000ACB	IN0823953000ACB	IN0823953000ACB
Analy. Method:	EPA 300.0	EPA 300.0	EPA 300.0
Prep. Method:	N.A.	N.A.	N.A.

Analyst:	S. Flynn	S. Flynn	S. Flynn
MS/MSD #:	9508F83-02	9508F83-02	
Sample Conc.:	N.D.	40	
Prepared Date:	8/23/95	8/23/95	
Analyzed Date:	8/23/95	8/23/95	
Instrument I.D.#:	INIC1	INIC1	
Conc. Spiked:	100 mg/L	100 mg/L	

Result:	100	130
MS % Recovery:	100	90
Dup. Result:	110	130
MSD % Recov.:	110	90
RPD:	9.5	0.0
RPD Limit:	0-30	0-30

LCS #:	LCS082395
Prepared Date:	8/23/95
Analyzed Date:	8/23/95
Instrument I.D.#:	INIC1
Conc. Spiked:	5.0 mg/L
LCS Result:	5.1
MS % Recov.:	102

MS/MSD	70-130	70-130	
LCS			90-110
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Maureen Gregory
Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9508F83.GER <2>



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -01 - 07

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte: Hexavalent
Chromium

QC Batch#: IN082295719600A

Analy. Method: EPA 7196

Prep. Method: N.A.

Analyst: D. Lawrence

MS/MSD #: 9508F83-06

Sample Conc.: N.D.

Prepared Date: 8/22/95

Analyzed Date: 8/22/95

Instrument I.D.#: MANUAL

Conc. Spiked: 0.50 mg/L

Result: 0.45

MS % Recovery: 90

Dup. Result: 0.45

MSD % Recov.: 90

RPD: 0.0

RPD Limit: 0-30

LCS #:

Prepared Date:

Analyzed Date:

Instrument I.D.#:

Conc. Spiked:

LCS Result:

LCS % Recov.:

MS/MSD 70-130

LCS

Control Limits

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9508F83.GER <3>



Sequoia Analytical

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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -01 -02, 04

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC082995801024A	GC082995801024A	GC082995801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9508F31-01	9508F31-01	9508F31-01
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	8/29/95	8/29/95	8/29/95
Analyzed Date:	8/29/95	8/29/95	8/29/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L

Result:	24	19	21
MS % Recovery:	96	76	84
Dup. Result:	25	20	22
MSD % Recov.:	100	80	88
RPD:	4.1	5.1	4.7
RPD Limit:	0-50	0-50	0-50

LCS #:	VBLK082995BS	VBLK082995BS	VBLK082995BS
Prepared Date:	8/29/95	8/29/95	8/29/95
Analyzed Date:	8/29/95	8/29/95	8/29/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
LCS Result:	21	17	18
MS % Recov.:	84	68	72

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Maureen Gregory
Project Manager

9508F83.GER <4>



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller
 1050 Marina Way, South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
 Matrix: Liquid

Work Order #: 9508F83 -03, 07

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC083195801024B	GC083195801024B	GC083195801024B
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9508L37-06	9508L37-06	9508L37-06
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	8/31/95	8/31/95	8/31/95
Analyzed Date:	8/31/95	8/31/95	8/31/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L

Result:	23	19	23
MS % Recovery:	92	76	92
Dup. Result:	25	19	23
MSD % Recov.:	100	76	92
RPD:	8.3	0.0	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:	VBLK083195BS	VBLK083195BS	VBLK083195BS
Prepared Date:	8/31/95	8/31/95	8/31/95
Analyzed Date:	8/31/95	8/31/95	8/31/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
LCS Result:	25	19	23
LCS % Recov.:	100	76	92

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
 Project Manager

9508F83.GER <5>



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Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -05

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC082595801024A	GC082595801024A	GC082595801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9508F55-01	9508F55-01	9508F55-01
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	8/25/95	8/25/95	8/25/95
Analyzed Date:	8/25/95	8/25/95	8/25/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L

Result:	22	19	21
MS % Recovery:	88	76	84
Dup. Result:	21	18	20
SD % Recov.:	84	72	80
RPD:	4.7	5.4	4.9
RPD Limit:	0-50	0-50	0-50

LCS #:	VBLK082595BS	VBLK082595BS	VBLK082595BS
Prepared Date:	8/25/95	8/25/95	8/25/95
Analyzed Date:	8/25/95	8/25/95	8/25/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
LCS Result:	22	20	22
MS % Recov.:	88	80	88

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL

Gregory
Project Manager



Sequoia Analytical

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FAX (510) 988-9673
FAX (916) 921-0100

Geraghty & Miller
1050 Marina Way, South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
Matrix: Liquid

Work Order #: 9508F83 -06

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC083195801024A	GC083195801024A	GC083195801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9508F83-06	9508F83-06	9508F83-06
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	8/30/95	8/30/95	8/30/95
Analyzed Date:	8/31/95	8/31/95	8/31/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L

Result:	21	29	19
MS % Recovery:	79	48	76
Dup. Result:	22	31	19
MSD % Recov.:	83	56	76
RPD:	4.7	6.7	0.0
RPD Limit:	0-50	0-50	0-50

LCS #:	VBLK083195BS	VBLK083195BS	VBLK083195BS
Prepared Date:	8/30/95	8/30/95	8/30/95
Analyzed Date:	8/31/95	8/31/95	8/31/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 ug/L	25 ug/L	25 ug/L
LCS Result:	21	17	20
LCS % Recov.:	84	68	80

MS/MSD LCS Control Limits	28-167	35-146	38-150
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Please Note:

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SEQUOIA ANALYTICAL

Maureen Gregory
Project Manager

9508F83.GER <7>



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Geraghty & Miller
 1050 Marina Way, South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: RC0304.001/ECI Emeryville CA
 Matrix: Liquid

Work Order #: 9508F83 -01 - 07

Reported: Sep 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0830956010MDB	ME0830956010MDB	ME0830956010MDB	ME0830956010MDB
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010

Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	9508L45-01	9508L45-01	9508L45-01	9508L45-01
Sample Conc.:	N.D.	N.D.	0.27	N.D.
Prepared Date:	8/30/95	8/30/95	8/30/95	8/30/95
Analyzed Date:	8/31/95	8/31/95	8/31/95	8/31/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.98	0.99	1.2	0.96
MS % Recovery:	98	99	93	96
Dup. Result:	0.99	0.99	1.2	0.96
MSD % Recov.:	99	99	93	96
RPD:	1.0	0.0	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	BLK083095	BLK083095	BLK083095	BLK083095
Prepared Date:	8/30/95	8/30/95	8/30/95	8/30/95
Analyzed Date:	8/30/95	8/30/95	8/30/95	8/30/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.1	1.0	1.0
LCS % Recov.:	100	110	100	100

MS/MSD	75-125	75-125	75-125	75-125
LCS	75-125	75-125	75-125	75-125
Control Limits				

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SEQUOIA ANALYTICAL

M. Gregory
 Project Manager

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9508F83.GER <8>

Project Number RC0304.001
 Project Location ECI Emeryville Cg.
 Laboratory Sequioa Lab.
 Sampler(s)/Affiliation Geraghty & Miller
GIC/EL

SAMPLE BOTTLE / CONTAINER DESCRIPTION

9508F83

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE IDENTITY Code	Date/Time Sampled	Lab ID	Total Chromium USEPA 200.7	Hexavalent Chromium USEPA 7166	Organic Compounds USEPA 8010	Sulfate, Nitrate USEPA 300	TOTAL
MW-10	L 8/21 4:03		X	X	X	X	7
MW-11	L 8/22 7:15		X	X	X	X	7
OW-2	L 8:10		X	X	X	X	7
OW-1	L 8:20		X	X	X	X	7
MW-3B	L 8:25		X	X	X	X	7
MW-3C	L 8:45		X	X	X	X	7
MW-12	L 8:47		X	X	X	X	7
							6

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 44

Relinquished by: <u>[Signature]</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>8/22/95</u> Time: <u>10:15</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequioa</u>	Date: <u>8/22/95</u> Time: <u>12:15</u>	Seal Intact? Yes No N/A
Relinquished by: <u>[Signature]</u>	Organization: <u>Sequioa</u>	Date: <u>8/22/95</u> Time: <u>12:15</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequioa</u>	Date: <u>8/22/95</u> Time: <u>12:15</u>	Seal Intact? Yes No N/A

Special Instructions/Remarks: Send Results to: Ted Chump / Geraghty & Miller

Delivery Method: In Person Common Carrier Lab Courier Other



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Geraghty & Miller, Inc. 1100 Marina Way South Richmond, CA 94804 Attention: Edward Crump	Client Project ID: RC0304.001 / Emeryville Sample Descript: Soil Lab Number: 508-1894	Sampled: Aug 18, 1995 Received: Aug 24, 1995 Extracted: Aug 26, 1995 Analyzed: 8/28 - 9/5/95 Reported: Sep 8, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Total Chromium.....	0.50	59	ME0826956010MDA	MV-3
Hexavalent Chromium.....	0.50	N.D.	IN0905957196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Gaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Edward Crump

Client Project ID: RC0304.001 / Emeryville
 Matrix: Solid

QC Sample Group: 5081894

Reported: Sep 8, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Hexavalent Chromium
QC Batch#:	ME082695	IN090595
	2007MDA	7196I3A
Analy. Method:	EPA 6010	EPA 7196
Prep. Method:	EPA 3050	EPA 7196
Analyst:	L. Huang	R. Salinas
MS/MSD #:	5081802	5081894
Sample Conc.:	34 mg/kg	N.D.
Prepared Date:	8/26/95	9/5/95
Analyzed Date:	8/28/95	9/5/95
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	50 mg/kg	5.0 mg/kg
Result:	80	4.0
MS % Recovery:	92	80
Dup. Result:	77	4.1
MSD % Recov.:	86	82
RPD:	3.8	2.5
RPD Limit:	0-20	0-20

LCS #:	BLK082695	7196RS09H
Prepared Date:	8/26/95	9/5/95
Analyzed Date:	8/28/95	9/5/95
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	50 mg/kg	5.0 mg/kg
LCS Result:	52	5.0
LCS % Recov.:	104	100

MS/MSD Control Limits	LCS 75-125	70-130
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Please Note:

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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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 Project Manager



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Craghty & Miller, Inc. 1550 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: #RC0304-002, Electro-Coatings Sample Descript: Water, MW-15 Analysis Method: EPA 601 Lab Number: 504-1306	Sampled: Apr 21, 1995 Received: Apr 21, 1995 Analyzed: May 1, 1995 Reported: May 3, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
1,2-Dichloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	88
trans-1,2-Dichloroethene.....	10	130
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	300
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Maghty & Miller, Inc.	Client Project ID: #RC0304-002, Electro-Coatings	Sampled: Apr 21, 1995
10 Marina Way South	Sample Descript: Water, MW-8	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 601	Analyzed: May 1, 1995
Attention: Jeff Hawkins	Lab Number: 504-1307	Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	1.0	N.D.
Bromoform.....	1.0	N.D.
Bromomethane.....	2.0	N.D.
Carbon tetrachloride.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
Chloroethane.....	2.0	N.D.
2-Chloroethylvinyl ether.....	2.0	N.D.
Chloroform.....	1.0	N.D.
Chloromethane.....	2.0	N.D.
Dibromochloromethane.....	1.0	N.D.
1,1-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
1,1-Dichloroethane.....	1.0	1.2
1,2-Dichloroethane.....	1.0	5.6
1,1-Dichloroethene.....	1.0	N.D.
cis-1,2-Dichloroethene.....	10	46
trans-1,2-Dichloroethene.....	1.0	6.7
1,2-Dichloropropane.....	1.0	N.D.
cis-1,3-Dichloropropene.....	1.0	N.D.
trans-1,3-Dichloropropene.....	1.0	N.D.
Methylene chloride.....	10	N.D.
1,1,2,2-Tetrachloroethane.....	1.0	N.D.
Tetrachloroethene.....	10	18
1,1,1-Trichloroethane.....	1.0	N.D.
1,1,2-Trichloroethane.....	1.0	N.D.
Trichloroethene.....	1.0	40
Trichlorofluoromethane.....	1.0	N.D.
Vinyl chloride.....	2.0	16

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc.	Client Project ID: #RC0304-002, Electro-Coatings	Sampled: Apr 21, 1995
1000 Marina Way South	Sample Descript: Water, MW-4	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 601	Analyzed: May 1-2, 1995
Attention: Jeff Hawkins	Lab Number: 504-1308	Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,1-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	430
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	200	4,400
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Cranghty & Miller, Inc. 1550 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: #RC0304-002, Electro-Coatings Sample Descript: Water, MW-20 Analysis Method: EPA 601 Lab Number: 504-1309	Sampled: Apr 21, 1995 Received: Apr 21, 1995 Analyzed: May 2, 1995 Reported: May 3, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
1,2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	3.5
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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 Project Manager



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Graghty & Miller, Inc.
 100 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Sample Descript: Water, MW-10
 Analysis Method: EPA 601
 Lab Number: 504-1310

Sampled: Apr 21, 1995
 Received: Apr 21, 1995
 Analyzed: May 2, 1995
 Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	200	N.D.
2-Chloroethylvinyl ether.....	200	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	100	N.D.
1,1-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	1,200
cis-1,2-Dichloroethene.....	100	900
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Methylene chloride.....	1,000	N.D.
1,1,2,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
1,1,1-Trichloroethane.....	100	1,000
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	500	10,000
Trichlorofluoromethane.....	100	N.D.
Vinyl chloride.....	200	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Corraghty & Miller, Inc.
1550 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-5
Analysis Method: EPA 601
Lab Number: 504-1311

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	13
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	31
trans-1,2-Dichloroethene.....	5.0	13
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	10
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	210
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-9
Analysis Method: EPA 601
Lab Number: 504-1312

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 2, 1995
Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte

Detection Limit
µg/L

Sample Results
µg/L

Analyte	Detection Limit (µg/L)	Sample Results (µg/L)
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	4.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethylvinyl ether	4.0	N.D.
Chloroform	4.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	4.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	6.4
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
1,1,1-Trichloroethene	2.0	N.D.
1,1,2-Trichloroethane	2.0	13
1,1,1-Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl chloride	2.0	73
	4.0	N.D.
		N.D.

analyte reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors require additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Glavin & Miller, Inc.	Client Project ID: #RC0304-002, Electro-Coatings	Sampled: Apr 21, 1995
1000 Marina Way South	Sample Descript: Water, MW-14	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 601	Analyzed: May 1-2, 1995
Attention: Jeff Hawkins	Lab Number: 504-1313	Reported: May 3, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	36
trans-1,2-Dichloroethene.....	10	N.D.
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	200	8,100
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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 Project Manager



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G. Maghty & Miller, Inc.
1400 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-8
Analysis Method: EPA 602
Lab Number: 504-1307

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 3, 1995
Reported: May 3, 1995

PURGEABLE AROMATICS (EPA 602)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
1,3-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
Ethyl Benzene.....	1.0	N.D.
Toluene.....	1.0	N.D.
Total Xylenes.....	1.0	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
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Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-4
Analysis Method: EPA 602
Lab Number: 504-1308

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 3, 1995

PURGEABLE AROMATICS (EPA 602)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	10	N.D.
Chlorobenzene.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
Ethyl Benzene.....	10	N.D.
Toluene.....	10	N.D.
Total Xylenes.....	10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Graghty & Miller, Inc.	Client Project ID: #RC0304-002, Electro-Coatings	Sampled: Apr 21, 1995
1560 Marina Way South	Sample Descript: Water, MW-10	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 602	Analyzed: May 1, 1995
Attention: Jeff Hawkins	Lab Number: 504-1310	Reported: May 3, 1995

PURGEABLE AROMATICS (EPA 602)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
Ethyl Benzene.....	5.0	N.D.
Toluene.....	5.0	N.D.
Total Xylenes.....	5.0	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Graghty & Miller, Inc.
10 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-5
Analysis Method: EPA 602
Lab Number: 504-1311

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 3, 1995

PURGEABLE AROMATICS (EPA 602)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
Ethyl Benzene.....	5.0	N.D.
Toluene.....	5.0	N.D.
Total Xylenes.....	5.0	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Project Manager



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Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Matrix: Water
Analysis Method: EPA 3510/3520/8015
First Sample #: 504-1306

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Reported: May 3, 1995

FUEL FINGERPRINT

Analyte	Reporting Limit µg/L	Sample I.D. 504-1306 MW-15	Sample I.D. 504-1307 MW08	Sample I.D. 504-1308 MW-4	Sample I.D. 504-1310 MW-10	Sample I.D. 504-1311 MW-5
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Extractable Hydrocarbons	50	280	N.D.	N.D.	N.D.	N.D.
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Chromatogram Pattern:	Diesel	--	--	--	--	--
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Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0
Date Extracted:	4/26/95	4/26/95	4/26/95	4/26/95	4/26/95
Date Analyzed:	4/27/95	4/27/95	4/27/95	4/27/95	4/27/95
Instrument Identification:	HP-3A	HP-3A	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water
Analysis for: Redox Potential
First Sample #: 504-1308

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: Apr 28, 1995
Reported: May 3, 1995

LABORATORY ANALYSIS FOR: Redox Potential

Sample Number	Sample Description	Detection Limit mV	Sample Result mV
504-1308	MW-4	10	280
504-1310	MW-10	10	300
504-1312	MW-9	10	290
504-1313	MW-14	10	290

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

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Geraghty & Miller, Inc.
 1550 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Sample Descript: Water
 Analysis for: Hexavalent Chromium
 First Sample #: 504-1306

Sampled: Apr 21, 1995
 Received: Apr 21, 1995
 Analyzed: Apr 22, 1995
 Reported: May 3, 1995

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
504-1306	MW-15	0.0050	N.D.
504-1307	MW-8	0.0050	N.D.
504-1308	MW-4	1.0	17
504-1309	MW-20	0.0050	N.D.
504-1310	MW-10	2.0	170
504-1311	MW-5	2.0	160
504-1312	MW-9	2.0	70
504-1313	MW-14	2.0	140

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
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Geraghty & Miller, Inc.
1650 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water
Analysis for: Chromium
First Sample #: 504-1306

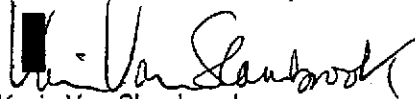
Sampled: Apr 21, 1995
Received: Apr 21, 1995
Extracted: May 1, 1995
Analyzed: May 4, 1995
Reported: May 5, 1995

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
504-1306	MW-15	0.010	N.D.
504-1307	MW-8	0.010	0.033
504-1308	MW-4	0.010	16
504-1309	MW-20	0.010	N.D.
504-1310	MW-10	0.010	160
504-1311	MW-5	0.010	140
504-1312	MW-9	0.010	66
504-1313	MW-14	0.010	130

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1070 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water
Analysis for: Total Dissolved Solids
First Sample #: 504-1307

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Extracted: Apr 27, 1995
Analyzed: Apr 27, 1995
Reported: May 5, 1995

LABORATORY ANALYSIS FOR: Total Dissolved Solids

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
504-1307	MW-8	1.0	630
504-1313	MW-14	1.0	840

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Sequoia
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Glaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: #RC0304-002, Electro-Coatings Sample Descript: Water, MW-4 Lab Number: 504-1308	Sampled: Apr 21, 1995 Received: Apr 21, 1995 Analyzed: Apr 22-26, 1995 Reported: May 3, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Ammonia.....	0.10	1.4
Nitrate.....	0.10	N.D.
Nitrite.....	0.10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Craghty & Miller, Inc.
1350 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-10
Lab Number: 504-1310

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: Apr 22-26, 1995
Reported: May 3, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Ammonia.....	0.10	N.D.
Nitrate.....	0.10	50
Nitrite.....	0.10	5.4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Project Manager



**Sequoia
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Geighty & Miller, Inc. Client Project ID: #RC0304-002, Electro-Coatings Sampled: Apr 21, 1995
 105 Marina Way South Sample Descript: Water, MW-9 Received: Apr 21, 1995
 Richmond, CA 94804 Analyzed: Apr 22-26, 1995
 Attention: Jeff Hawkins Lab Number: 504-1312 Reported: May 3, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Ammonia.....	0.10	N.D.
Nitrate.....	0.10	24
Nitrite.....	0.10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Project Manager



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FAX (916) 921-0100

Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-14
Lab Number: 504-1313


Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: Apr 22-26, 1995
Reported: May 3, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Ammonia.....	0.10	N.D.
Nitrate.....	0.10	21
Nitrite.....	0.10	3.8

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210


Kevin Van Slambrook
Project Manager



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Geighty & Miller, Inc.
10 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-4
Lab Number: 504-1308

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 3-7, 1995
Reported: May 8, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Sulfide.....	10	N.D.
Sulfate.....	0.10	94
Iron.....	0.010	15

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Product Manager



Sequoia
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Graghty & Miller, Inc.
100 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-10
Lab Number: 504-1310

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 3-7, 1995
Reported: May 8, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Sulfide.....	10	N.D.
Sulfate.....	0.10	130
Iron.....	0.010	14

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Sample Descript: Water, MW-9
Lab Number: 504-1312

Sampled: Apr 21, 1995
Received: Apr 21, 1995
Analyzed: May 3-7, 1995
Reported: May 8, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Sulfide.....	10	N.D.
Sulfate.....	0.10	160
Iron.....	0.010	0.37

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Gilgahy & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: #RC0304-002, Electro-Coatings Sample Descript: Water, MW-14 Lab Number: 504-1313	Sampled: Apr 21, 1995 Received: Apr 21, 1995 Analyzed: May 3-7, 1995 Reported: May 8, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Sulfide.....	10	N.D.
Sulfate.....	0.10	120
Iron.....	0.010	23

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Craghty & Miller, Inc.
 1550 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Matrix: Liquid

QC Sample Group: 5041306-13

Reported: May 9, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel	Chromium	Iron	Sulfate	Total Dissolved Solids	Total Sulfide
Method:	EPA 8015 M	EPA 200.7	EPA 200.7	EPA 300.0	EPA 160.1	EPA 9030
Analyst:	J. Dinsay	K.A./L.H.	K.A./L.H.	K.A./R.S.	M. Nguyen	R.S./K.A.

MS/MSD	Diesel	Chromium	Iron	Sulfate	Total Dissolved Solids	Total Sulfide
Batch#:	BLK042695	5041218	5041218	5041215	5041313	5050148
Date Prepared:	4/26/95	5/1/95	5/1/95	5/3/95	4/27/95	5/8/95
Date Analyzed:	4/27/95	5/4/95	5/4/95	5/3/95	4/27/95	5/8/95
Instrument I.D.#:	HP-3A	Liberty-100	Liberty-100	DX-100	Mettler AE-200	Titration
Conc. Spiked:	300 µg/L	1.0 mg/L	1.0 mg/L	1,000 mg/L	1,000 mg/L	100 mg/L
Matrix Spike % Recovery:	78	106	116	91	100	79
Matrix Spike Duplicate % Recovery:	74	107	116	92	101	79
Relative % Difference:	5.3	0.94	0.0	1.1	1.0	0.0

LCS Batch#:	BLK042695	BLK050195	BLK050195	300.0KMA05-F	160.1 JE04-E	9030 RS05-A-1
Date Prepared:	4/26/95	5/1/95	5/1/95	5/2/95	4/27/95	5/8/95
Date Analyzed:	4/27/95	5/4/95	5/4/95	5/3/95	4/27/95	5/8/95
Instrument I.D.#:	HP-3A	Liberty-100	Liberty-100	DX-100	Mettler AE-200	Titration
LCS % Recovery:	78	107	112	97	99	79

% Recovery Control Limits:	28-122	75-125	75-125	80-120	70-130	70-130
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Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



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Greaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Matrix: Liquid

QC Sample Group: 5041306-13

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD						
Batch#:	5041456	5041456	5041456	5041456	5041456	5041456
Date Prepared:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Matrix Spike						
% Recovery:	86	93	87	134	112	92
Matrix Spike Duplicate %						
Recovery:	86	93	87	131	110	90
Relative % Difference:	0.0	0.0	0.0	2.3	1.8	2.2
LCS Batch#:	LCS050195	LCS050195	LCS050195	LCS050195	LCS050195	LCS050195
Date Prepared:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	78	94	84	132	105	86
% Recovery Control Limits:	28-167	35-146	38-150	39-150	46-148	55-135

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



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Gilgahy & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Matrix: Liquid

QC Sample Group: 5041306-13

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601
Analyst:	K. Nill	K. Nill	K. Nill

MS/MSD			
Batch#:	5041224	5041224	5041224

Date Prepared:	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L

Matrix Spike % Recovery:	99	136	99
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Matrix Spike Duplicate % Recovery:	98	132	96
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Relative % Difference:	1.0	3.0	3.1
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LCS Batch#:	LCS050195	LCS050195	LCS050195
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Date Prepared:	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95

Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7
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LCS % Recovery:	81	90	94
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% Recovery Control Limits:	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Glaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
Matrix: Liquid

QC Sample Group: 5041306-13

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analytst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill

MS/MSD

Batch#: 5041309 5041309 5041309 5041309 5041309 5041309

Date Prepared: 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95
Date Analyzed: 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95
Instrument I.D.#: HP5890/6 HP5890/6 HP5890/6 HP5890/6 HP5890/6 HP5890/6
Conc. Spiked: 10 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L

Matrix Spike

% Recovery: 68 104 83 127 103 97

Matrix Spike

Duplicate % Recovery: 65 104 85 132 108 91

Relative %

Difference: 4.5 0.0 2.3 3.9 4.7 6.4

LCS Batch#: LCS050295 LCS050295 LCS050295 LCS050295 LCS050295 LCS050295

Date Prepared: 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95

Date Analyzed: 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95 5/2/95

Instrument I.D.#: HP5890/6 HP5890/6 HP5890/6 HP5890/6 HP5890/6 HP5890/6

LCS %

Recovery: 69 89 85 128 103 88

% Recovery

Control Limits: 28-167 35-146 38-150 39-150 46-148 55-135

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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G. Maghty & Miller, Inc. Client Project ID: #RC0304-002, Electro-Coatings
 1000 Marina Way South Matrix: Liquid
 Richmond, CA 94804
 Attention: Jeff Hawkins QC Sample Group: 5041306-13 Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill

MS/MSD	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Batch#:	5041224	5041224	5041224	-	-	-
Date Prepared:	5/2/95	5/2/95	5/2/95	-	-	-
Date Analyzed:	5/2/95	5/2/95	5/2/95	-	-	-
Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7	-	-	-
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	-	-	-
Matrix Spike % Recovery:	99	136	99	-	-	-
Matrix Spike Duplicate % Recovery:	98	132	96	-	-	-
Relative % Difference:	1.0	3.0	3.1	-	-	-

LCS Batch#:	LCS050295	LCS050295	LCS050295	LCS050295	LCS050295	LCS050295
Date Prepared:	5/2/95	5/2/95	5/2/95	-	-	-
Date Analyzed:	5/2/95	5/2/95	5/2/95	-	-	-
Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7	-	-	-
LCS % Recovery:	77	94	98	137	111	108

% Recovery Control Limits:	28-167	35-146	38-150	39-150	46-148	55-135
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Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



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Glaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: #RC0304-002, Electro-Coatings
 Matrix: Liquid

QC Sample Group: 5041306-13

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill

MS/MSD	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Batch#:	5050183	5050183	5050183	5050183	5050183	5050183
Date Prepared:	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95
Date Analyzed:	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Matrix Spike % Recovery:	76	86	83	127	104	88
Matrix Spike Duplicate % Recovery:	63	85	79	125	102	85
Relative % Difference:	19.0	1.2	4.9	1.6	1.9	3.5

LCS Batch#:	LCS050395	LCS050395	LCS050395	LCS050395	LCS050395	LCS050395
Date Prepared:	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95
Date Analyzed:	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	72	84	79	129	104	87

% Recovery Control Limits:	28-167	35-146	38-150	39-150	46-148	55-135
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Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Graghty & Miller, Inc. Client Project ID: #RC0304-002, Electro-Coatings
 1000 Marina Way South Matrix: Liquid
 Richmond, CA 94804
 Attention: Jeff Hawkins QC Sample Group: 5041306-13 Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Ammonia	Nitrite as NO2	Nitrate as NO3	Hexavalent Chromium
Method:	EPA 350.3	EPA 300.0	EPA 300.0	EPA 7196
Analyst:	Y. Arteaga	C. Buisan	C. Buisan	C. Buisan

MS/MSD				
Batch#:	9504E1909	9504E19-01	9504E19-01	9504E04-04
Date Prepared:	4/26/95	4/22/95	4/22/95	4/22/95
Date Analyzed:	4/26/95	4/22/95	4/22/95	4/22/95
Instrument I.D.#:	Manual	INIC-1	INIC-1	Manual
Conc. Spiked:	20 mg/L	10 mg/L	10 mg/L	0.50 mg/L
Matrix Spike				
% Recovery:	90	94	90	102
Matrix Spike				
Duplicate %				
Recovery:	95	94	90	100
Relative %				
Difference:	5.4	0.0	0.0	1.9

LCS Batch#:	LCS042695	-	-	-
Date Prepared:	4/26/95	-	-	-
Date Analyzed:	4/26/95	-	-	-
Instrument I.D.#:	Manual	-	-	-
LCS %				
Recovery:	88	-	-	-

% Recovery				
Control Limits:	80-120	90-110	90-110	80-120

Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1210

 Kevin Van Slambrook
 Project Manager

Project Number RC0304-002

Project Location Electro-Coatings

Laboratory Seq Voica

Sampler(s)/Affiliation Geraghty & Miller
G Crowley

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY Code	Date/Time Sampled	Lab ID	Hexavalent Chromium	Total Chromium	EPA 601 Chromium	Fuel Fingerprints	602	TDS	Sulfides, Sulfates, Total Iron	Redox	Ammonia Nitrate, Nitrites	TOTAL
MW-15	L 4/21 7:45		X	X	X	X						35001206A-E
mw-8	L 4/21 8:15		X	X	X	X	X	X				35001207A-H
mw-4	L 4/21 9:00		X	X	X	X	X		X	X		10001208A-K
mw-20	L 4/21 10:15		X	X	X	X						4001209A-D
mw-10	L 4/21 10:30		X	X	X	X	X		X	X		10001210A-K
mw-5	L 4/21 10:55		X	X	X	X	X					7001211A-G
mw-9	L 4/21 11:45		X	X	X				X	X		7001212A-H
mw-14	L 4/21 11:20		X	X	X			X	X	X		8001213A-F

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: <u>[Signature]</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>4/14/95</u> Time: <u>4:02</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>[Signature]</u>	Date: <u>4/14/95</u> Time: <u>4:02</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>[Signature]</u>	Date: <u>4/14/95</u> Time: <u>5:15</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>[Signature]</u>	Date: <u>4/14/95</u> Time: <u>5:15</u>	

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other _____

SPECIFY

SPECIFY

G. Maghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-16 Analysis Method: EPA 601 Lab Number: 504-1215	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 1-2, 1995 Reported: May 4, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	12
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	28
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	390
cis-1,2-Dichloroethene.....	100	2,400
trans-1,2-Dichloroethene.....	10	67
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	13
1,1,1-Trichloroethane.....	10	180
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	500	10,000
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	300

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


 Kevin Van Slambrook
 Project Manager



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Geaghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-6 Analysis Method: EPA 601 Lab Number: 504-1216	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 1, 1995 Reported: May 4, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	34
cis-1,2-Dichloroethene.....	10	55
trans-1,2-Dichloroethene.....	10	N.D.
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	320
Trifluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



Maghty & Miller, Inc.	Client Project ID: Electro-Coatings/#RC 0304-002	Sampled: Apr 20, 1995
100 Marina Way South	Sample Descript: Water, MW-17	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 601	Analyzed: May 1, 1995
Attention: Jeff Hawkins	Lab Number: 504-1217	Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoforn.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	31
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	17
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	37
cis-1,2-Dichloroethene.....	10	42
trans-1,2-Dichloroethene.....	10	11
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	410
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Gaughy & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-18A Analysis Method: EPA 601 Lab Number: 504-1218	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 1, 1995 Reported: May 4, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-18
Analysis Method: EPA 601
Lab Number: 504-1219

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	35
trans-1,2-Dichloroethene.....	10	13
1,2-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	16
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	330
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Garaghty & Miller, Inc. 1650 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-13 Analysis Method: EPA 601 Lab Number: 504-1220	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: 4/28 - 5/1/95 Reported: May 4, 1995
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,1-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	14
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	70
trans-1,2-Dichloroethene.....	5.0	16
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,1,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	8.9
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	20	360
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	20

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Graghty & Miller, Inc.	Client Project ID: Electro-Coatings/#RC 0304-002	Sampled: Apr 20, 1995
1000 Marina Way South	Sample Descript: Water, MW-11	Received: Apr 21, 1995
Richmond, CA 94804	Analysis Method: EPA 601	Analyzed: May 1, 1995
Attention: Jeff Hawkins	Lab Number: 504-1221	Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,1-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	6.2
trans-1,2-Dichloroethene.....	5.0	N.D.
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	7.4
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	67
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-3A
Analysis Method: EPA 601
Lab Number: 504-1222

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: Apr 28, 1995
Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Graghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Sample Descript: Water, MW-3B
 Analysis Method: EPA 601
 Lab Number: 504-1223

Sampled: Apr 20, 1995
 Received: Apr 21, 1995
 Analyzed: May 1, 1995
 Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	10	N.D.
Bromoform.....	10	N.D.
Bromomethane.....	20	N.D.
Carbon tetrachloride.....	10	N.D.
Chlorobenzene.....	10	N.D.
Chloroethane.....	20	N.D.
2-Chloroethylvinyl ether.....	20	N.D.
Chloroform.....	10	N.D.
Chloromethane.....	20	N.D.
Dibromochloromethane.....	10	N.D.
1,1-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
1,1-Dichloroethane.....	10	N.D.
1,2-Dichloroethane.....	10	N.D.
1,1-Dichloroethene.....	10	N.D.
cis-1,2-Dichloroethene.....	10	17
trans-1,2-Dichloroethene.....	10	23
1,1-Dichloropropane.....	10	N.D.
cis-1,3-Dichloropropene.....	10	N.D.
trans-1,3-Dichloropropene.....	10	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	10	N.D.
Tetrachloroethene.....	10	N.D.
1,1,1-Trichloroethane.....	10	N.D.
1,1,2-Trichloroethane.....	10	N.D.
Trichloroethene.....	10	260
Trichlorofluoromethane.....	10	N.D.
Vinyl chloride.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



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Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-12
Analysis Method: EPA 601
Lab Number: 504-1224

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	2.5	N.D.
Bromoform.....	2.5	N.D.
Bromomethane.....	5.0	N.D.
Carbon tetrachloride.....	2.5	N.D.
Chlorobenzene.....	2.5	N.D.
Chloroethane.....	5.0	N.D.
2-Chloroethylvinyl ether.....	5.0	N.D.
Chloroform.....	2.5	N.D.
Chloromethane.....	5.0	N.D.
Dibromochloromethane.....	2.5	N.D.
1,3-Dichlorobenzene.....	2.5	N.D.
1,4-Dichlorobenzene.....	2.5	N.D.
1,2-Dichlorobenzene.....	2.5	N.D.
1,1-Dichloroethane.....	2.5	N.D.
1,2-Dichloroethane.....	2.5	N.D.
1,1-Dichloroethene.....	2.5	9.0
cis-1,2-Dichloroethene.....	2.5	5.0
trans-1,2-Dichloroethene.....	2.5	N.D.
1,2-Dichloropropane.....	2.5	N.D.
cis-1,3-Dichloropropene.....	2.5	N.D.
trans-1,3-Dichloropropene.....	2.5	N.D.
Methylene chloride.....	25	N.D.
1,1,2,2-Tetrachloroethane.....	2.5	N.D.
Tetrachloroethene.....	2.5	9.4
1,1,1-Trichloroethane.....	2.5	3.9
1,1,2-Trichloroethane.....	2.5	N.D.
Trichloroethene.....	2.5	52
Trichlorofluoromethane.....	2.5	N.D.
Vinyl chloride.....	5.0	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-3C
Analysis Method: EPA 601
Lab Number: 504-1225

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 4, 1995

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	2.0
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	1.6
cis-1,2-Dichloroethene.....	0.50	11
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	0.66
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	30
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	2.2

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

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Geighty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-16
Analysis Method: EPA 602
Lab Number: 504-1215

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: May 1, 1995
Reported: May 4, 1995

PURGEABLE AROMATICS (EPA 602)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	10	22
Chlorobenzene.....	10	N.D.
1,3-Dichlorobenzene.....	10	N.D.
1,4-Dichlorobenzene.....	10	N.D.
1,2-Dichlorobenzene.....	10	N.D.
Ethyl Benzene.....	10	N.D.
Toluene.....	10	N.D.
Total Xylenes.....	10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Product Manager



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Gaughy & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Matrix: Water
Analysis Method: EPA 3510/3520/8015
First Sample #: 504-1215

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Reported: May 5, 1995

FUEL FINGERPRINT

Analyte	Reporting Limit µg/L	Sample I.D. 504-1215 MW-16
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Extractable Hydrocarbons	50	N.D.
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Chromatogram Pattern: --

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	4/25/95
Date Analyzed:	4/26/95
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water
Analysis for: Total Chromium
First Sample #: 504-1215

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Extracted: May 1, 1995
Analyzed: May 4, 1995
Reported: May 5, 1995

LABORATORY ANALYSIS FOR: Total Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
504-1215	MW-16	0.010	100
504-1216	MW-6	0.010	39
504-1217	MW-17	0.010	150
504-1218	MW-18A	0.010	N.D.
504-1219	MW-18	0.010	24
504-1220	MW-13	0.010	210
504-1221	MW-11	0.010	0.42
504-1222	MW-3A	0.010	0.036
504-1223	MW-3B	0.010	8.0
504-1224	MW-12	0.010	10
504-1225	MW-3C	0.010	1.4

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Kevin Van Slambrook
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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 504-1215

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: Apr 21, 1995
Reported: May 4, 1995

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
504-1215	MW-16	2.0	100
504-1216	MW-6	1.0	40
504-1217	MW-17	2.0	160
504-1218	MW-18A	0.0050	N.D.
504-1219	MW-18	1.0	23
504-1220	MW-13	2.0	220
504-1221	MW-11	0.0050	0.95
504-1222	MW-3A	0.0050	N.D.
504-1223	MW-3B	0.050	7.6
504-1224	MW-12	1.0	10
504-1225	MW-3C	0.0050	N.D.

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

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G. Maghty & Miller, Inc. 100 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-6 Lab Number: 504-1216	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 4, 1995 Reported: May 5, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Total Dissolved Solids.....	1.0	1,600

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Garaghty & Miller, Inc. 1400 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-16 Lab Number: 504-1215	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 3-7, 1995 Reported: May 8, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Iron.....	0.010	3.3
Sulfate.....	0.10	140
Total Sulfides.....	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Graghty & Miller, Inc. 1700 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-13 Lab Number: 504-1220	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: May 3-7, 1995 Reported: May 8, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Iron.....	0.010	0.67
Sulfate.....	0.10	140
Total Sulfides.....	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geoghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-3B
Lab Number: 504-1223

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: May 3-7, 1995
Reported: May 8, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Iron.....	0.010	1.2
Sulfate.....	0.10	260
Total Sulfides.....	10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Geraghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Jeff Hawkins	Client Project ID: Electro-Coatings/#RC 0304-002 Sample Descript: Water, MW-16 Lab Number: 504-1215	Sampled: Apr 20, 1995 Received: Apr 21, 1995 Analyzed: Apr 22-26, 1995 Reported: May 4, 1995
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LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Nitrate as NO3.....	0.10	49
Nitrite as NO2.....	0.10	3.6
Ammonia as N.....	0.10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

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Graghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Sample Descript: Water, MW-13
 Lab Number: 504-1220

Sampled: Apr 20, 1995
 Received: Apr 21, 1995
 Analyzed: Apr 22-26, 1995
 Reported: May 4, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Nitrate as NO ₃	0.10	22
Nitrite as NO ₂	0.10	4.0
Ammonia as N.....	0.10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
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 Project Manager



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Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Sample Descript: Water, MW-3B
Lab Number: 504-1223

Sampled: Apr 20, 1995
Received: Apr 21, 1995
Analyzed: Apr 22-26, 1995
Reported: May 4, 1995

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Nitrate as NO3.....	0.10	4.1
Nitrite as NO2.....	0.10	N.D.
Ammonia as N.....	0.10	N.D.

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
Project Manager



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Geighty & Miller, Inc.
 10 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 9, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel	Chromium	Iron	Sulfate	Total Dissolved Solids	Total Sulfide
Method:	EPA 8015 M	EPA 200.7	EPA 200.7	EPA 300.0	EPA 160.1	EPA 9030
Analyst:	J. Dinsay	K.A./L.H.	K.A./L.H.	K.A./R.S.	K.A./R.S.	R.S./K.A.

MS/MSD Batch#:	BLK042595	5041218	5041218	5041215	5050148	5050148
Date Prepared:	4/25/95	5/1/95	5/1/95	5/3/95	5/4/95	5/8/95
Date Analyzed:	4/26/95	5/4/95	5/4/95	5/3/95	5/4/95	5/8/95
Instrument I.D.#:	HP-3B	Liberty-100	Liberty-100	DX-100	Mettler AE-200	Titration
Conc. Spiked:	300 µg/L	1.0 mg/L	1.0 mg/L	1,000 mg/L	1,000 mg/L	100 mg/L
Matrix Spike % Recovery:	97	106	116	91	98	79
Matrix Spike Duplicate % Recovery:	95	107	116	92	98	79
Relative % Difference:	2.1	0.94	0.0	1.1	0.0	0.0

LCS Batch#:	BLK042595	BLK050195	BLK050195	300.0KMA05-F	160.1 RS05-E	9030 RS05-A-1
Date Prepared:	4/25/95	5/1/95	5/1/95	5/2/95	5/4/95	5/8/95
Date Analyzed:	4/26/95	5/4/95	5/4/95	5/3/95	5/4/95	5/8/95
Instrument I.D.#:	HP-3B	Liberty-100	Liberty-100	DX-100	Mettler AE-200	Titration
LCS % Recovery:	97	107	112	97	95	79
% Recovery Control Limits:	28-122	75-125	75-125	80-120	70-130	70-130

Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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 Project Manager



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Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD Batch#:	5041394	5041394	5041394	5041394	5041394	5041394
Date Prepared:	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95
Date Analyzed:	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Matrix Spike % Recovery:	81	95	88	134	111	91
Matrix Spike Duplicate % Recovery:	74	91	87	133	109	90
Relative % Difference:	9.0	4.3	1.1	0.74	1.8	1.1

LCS Batch#:	LCS042895	LCS042895	LCS042895	LCS042895	LCS042895	LCS042895
Date Prepared:	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95
Date Analyzed:	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95	4/28/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	70	84	81	123	97	83
% Recovery Control Limits:	28-167	35-146	38-150	39-150	46-148	55-135

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Glaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill

MS/MSD

Batch#: 5041355 5041355 5041355 5041355 5041355 5041355

Date Prepared: 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95

Date Analyzed: 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95

Instrument I.D.#: HP5890/7 HP5890/7 HP5890/7 HP5890/7 HP5890/7 HP5890/7

Conc. Spiked: 10 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L 10 µg/L

Matrix Spike

% Recovery: 85 85 101 126 106 107

Matrix Spike Duplicate % Recovery:

99 99 105 150 115 109

Relative % Difference:

15 15 3.9 17 8.1 1.9

LCS Batch#: LCS042895 LCS042895 LCS042895 LCS042895 LCS042895 LCS042895

Date Prepared: 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95

Date Analyzed: 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95 4/28/95

Instrument I.D.#: HP5890/7 HP5890/7 HP5890/7 HP5890/7 HP5890/7 HP5890/7

LCS % Recovery: 94 96 94 140 105 103

% Recovery Control Limits:

28-167 35-146 38-150 39-150 46-148 55-135

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



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Graghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Benzene	Toluene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601	EPA 602	EPA 602	EPA 602
Analyst:	K. Niil	K. Niil	K. Niil	K. Niil	K. Niil	K. Niil
MS/MSD						
Batch#:	5041456	5041456	5041456	5041456	5041456	5041456
Date Prepared:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Matrix Spike						
% Recovery:	86	93	87	134	112	92
Matrix Spike Duplicate %						
Recovery:	86	93	87	131	110	90
Relative % Difference:	0.0	0.0	0.0	2.3	1.8	2.2

LCS Batch#:	LCS050195	LCS050195	LCS050195	LCS050195	LCS050195	LCS050195
Date Prepared:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	78	94	84	132	105	86
% Recovery Control Limits:	28-167	35-146	38-150	39-150	46-148	55-135

Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



Graghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
Method:	EPA 601	EPA 601	EPA 601
Analyst:	K. Niil	K. Niil	K. Niil

MS/MSD Batch#:	5041224	5041224	5041224
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Date Prepared:	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L

Matrix Spike % Recovery:	99	136	99
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Matrix Spike Duplicate % Recovery:	98	132	96
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Relative % Difference:	1.0	3.0	3.1
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LCS Batch#:	LCS050195	LCS050195	LCS050195
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Date Prepared:	5/1/95	5/1/95	5/1/95
Date Analyzed:	5/1/95	5/1/95	5/1/95
Instrument I.D.#:	HP5890/7	HP5890/7	HP5890/7

LCS % Recovery:	81	90	94
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% Recovery Control Limits:	28-167	35-146	38-150
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Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Kevin Van Stambrook
Kevin Van Stambrook
Project Manager



Sequoia Analytical

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Graghty & Miller, Inc.
 1100 Marina Way South
 Richmond, CA 94804
 Attention: Jeff Hawkins

Client Project ID: Electro-Coatings/#RC 0304-002
 Matrix: Liquid

QC Sample Group: 5041215-25

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Ammonia	Nitrite as NO ₂	Nitrate as NO ₃	Hexavalent Chromium
Method:	EPA 350.3	EPA 300.0	EPA 300.0	EPA 7196
Analyst:	Y. Arteaga	C. Buisan	C. Buisan	D. Lawrence

MS/MSD Batch#:	9504E1909	9504E19-01	9504E19-01	9504D76-01
Date Prepared:	4/26/95	4/22/95	4/22/95	4/21/95
Date Analyzed:	4/26/95	4/22/95	4/22/95	4/21/95
Instrument I.D.#:	Manual	INIC-1	INIC-1	Manual
Conc. Spiked:	20 mg/L	10 mg/L	10 mg/L	0.50 mg/L
Matrix Spike % Recovery:	90	94	90	104
Matrix Spike Duplicate % Recovery:	95	94	90	104
Relative % Difference:	5.4	0.0	0.0	0.0

LCS Batch#:	LCS042695	-	-	-
Date Prepared:	4/26/95	-	-	-
Date Analyzed:	4/26/95	-	-	-
Instrument I.D.#:	Manual	-	-	-
LCS % Recovery:	88	-	-	-

% Recovery Control Limits:	80-120	90-110	90-110	80-120
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Please Note:
 The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1210

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager

Project Number RC 0504-002

Project Location Electro-Coatings

Laboratory Sequoia Analytical

Sampler(s)/Affiliation Geraghty & Miller
G. Crowley

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

				SAMPLE BOTTLE / CONTAINER DESCRIPTION												
				TOT	TOC	Carbon Organic	Hexavalent Chromium	Total Chromium	Fuel Fingerprint	602	601	Sulfides, Sulfates, Total Iron	Ammonia Nitrate, Nitrites	TDS	TOTAL	
215	mw-16	L	4/20 8:45	2041815	A-S		X	X	X	X	X	X	X		94	A-S
216	mw-6	L	4/20 9:45	" 216	A-E		X	X	X	X			X		63	A-E
217	mw-17	L	4/20 10:40	" 217			X	X		X					5	A-E
218	mw-18A	L	4/20 11:40	" 218			X	X		X					5	A-E
219	mw-18	L	4/20 11:45	" 219			X	X		X					5	A-E
220	mw-13	L	4/20 2:20	" 220			X	X		X	X	X	X		6	A-G
221	mw-11	L	4/20 2:00	" 221			X	X		X					4	A-D
222	mw-3A	L	4/20 3:00	" 222			X	X		X					4	A-D
223	mw-3B	L	4/20 2:40	" 223			X	X		X	X	X	X		63	A-G
224	mw-12	L	4/20 3:30	" 224			X	X		X					4	A-D
225	mw-3C	L	4/20 2:50	" 225			X	X		X					4	A-D

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers **58**

Relinquished by: <u>[Signature]</u>	Organization: <u>Geraghty & Miller</u>	Date: <u>4/21/11</u>	Time: <u>11:32</u>	Seal Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>[Signature]</u>	Organization: <u>[Signature]</u>	Date: <u>4/21/11</u>	Time: <u>11:22</u>	
Relinquished by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>4/18/11</u>	Time: <u>5:15</u>	Seal Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>4/21/11</u>	Time: <u>5:15</u>	

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other _____



Sequoia Analytical

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FAX (916) 921-0100

Garaghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Feb 15, 1996
100 Marina Way South	Sample Descript: Water, FE-0	Received: Feb 20, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Feb 26, 1996
Attention: Ted Crump	Lab Number: 602-1340	Reported: Feb 28, 1996

QC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
2-Chloroethylvinyl ether.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	10
1,1-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	187
trans-1,2-Dichloroethene.....	5.0	N.D.
1,1-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	29
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	110
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Sequoia Analytical

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Genighty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Feb 17, 1996
 10 Marina Way South Sample Descript: Water, FE-4 Received: Feb 20, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Feb 26, 1996
 Attention: Ted Crump Lab Number: 602-1341 Reported: Feb 28, 1996

QC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	5.0
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	3.3
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	114
4-Bromofluorobenzene.....	50 150.....	122

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Product Manager



Sequoia Analytical

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FAX (510) 988-9673
FAX (916) 921-0100

Maghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Feb 16, 1996
1000 Marina Way South	Sample Descript: Water, FE-8	Received: Feb 20, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Feb 26, 1996
Attention: Ted Crump	Lab Number: 602-1342	Reported: Feb 28, 1996

QC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethyl/vinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	6.1
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	4.9
trans-1,2-Dichloroethene.....	0.50	N.D.
1,1-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Geraghty & Miller, Inc. 1000 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0304.002 Sample Descript: Water, FE-12 Analysis Method: EPA 5030/8010 Lab Number: 602-1343	Sampled: Feb 16, 1996 Received: Feb 20, 1996 Analyzed: Feb 26, 1996 Reported: Feb 28, 1996
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QC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	4.9
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	6.1
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 118
4-Bromofluorobenzene.....	50	150..... 116

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Garaghty & Miller, Inc.
1550 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, FE-24
Analysis Method: EPA 5030/8010
Lab Number: 602-1344

Sampled: Feb 19, 1996
Received: Feb 20, 1996
Analyzed: Feb 26, 1996
Reported: Feb 28, 1996

Q Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,1-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	2.9
1,2-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



Geraghty & Miller, Inc.
100 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water, TB-LB
Analysis Method: EPA 5030/8010
Lab Number: 602-1345

Sampled: -
Received: Feb 20, 1996
Analyzed: Feb 26, 1996
Reported: Feb 28, 1996

QC Batch Number: GC022696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 118
4-Bromofluorobenzene.....	50	150..... 115

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Chromium
First Sample #: 602-1340

Sampled: Feb 15-19, 1996
Received: Feb 20, 1996
Extracted: Feb 21, 1996
Analyzed: Feb 26, 1996
Reported: Feb 28, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1340	FE-0	0.050	59	ME0221962007MDB	MV-1
602-1341	FE-4	0.050	N.D.	ME0221962007MDB	MV-1
602-1342	FE-8	0.050	N.D.	ME0221962007MDB	MV-1
602-1343	FE-12	0.050	N.D.	ME0221962007MDB	MV-1
602-1344	FE-24	0.050	N.D.	ME0221962007MDB	MV-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 602-1340

Sampled: Feb 15-19, 1996
Received: Feb 20, 1996
Analyzed: Feb 21, 1996
Reported: Feb 28, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1340	FE-0	0.0050	56	IN022196719613A	INSPC-1
602-1341	FE-4	0.0050	N.D.	IN022196719613A	INSPC-1
602-1342	FE-8	0.0050	N.D.	IN022196719613A	INSPC-1
602-1343	FE-12	0.0050	N.D.	IN022196719613A	INSPC-1
602-1344	FE-24	0.0050	N.D.	IN022196719613A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Chloride
First Sample #: 602-1340

Sampled: Feb 15-19, 1996
Received: Feb 20, 1996
Extracted: Feb 26, 1996
Analyzed: Feb 26, 1996
Reported: Feb 28, 1996

LABORATORY ANALYSIS FOR: Chloride

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
602-1340	FE-0	0.10	66	IN0226963000I1A	INIC-1
602-1341	FE-4	0.10	77	IN0226963000I1A	INIC-1
602-1342	FE-8	0.10	77	IN0226963000I1A	INIC-1
602-1343	FE-12	0.10	84	IN0226963000I1A	INIC-1
602-1344	FE-24	0.10	75	IN0226963000I1A	INIC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Matrix: Liquid

QC Sample Group: 6021340-345

Reported: Feb 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC022696 801007A	GC022696 801007A	GC022696 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Dalvand	I.Dalvand	I.Dalvand
MS/MSD #:	6021280	6021280	6021280
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	2/26/96	2/26/96	2/26/96
Analyzed Date:	2/26/96	2/26/96	2/26/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	12	12	9.8
MS % Recovery:	117	117	98
Dup. Result:	11	11	9.1
MSD % Recov.:	114	109	91
RPD:	2.6	7.1	7.4
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS022696	LCS022696	LCS022696
Prepared Date:	2/26/96	2/26/96	2/26/96
Analyzed Date:	2/26/96	2/26/96	2/26/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	11	11	9.3
LCS % Recov.:	111	105	93

MS/MSD	LCS	28-167	35-146	38-150
Control Limits				

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Matrix: Liquid

QC Sample Group: 6021340-345

Reported: Feb 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Hexavalent Chromium	Chloride
QC Batch#:	ME022196	IN022196	IN022696
	2007MDB	719613A	300011A
Analy. Method:	EPA 218.1	EPA 7196	EPA 300.0
Prep. Method:	EPA 200.7	EPA 7196	EPA 300.0
Analyst:	T. Le	Y. Borinshteyn	R. Salinas
MS/MSD #:	6021193	6021344	6021344
Sample Conc.:	3.3 mg/L	N.D.	75 mg/L
Prepared Date:	2/21/96	2/21/96	2/26/96
Analyzed Date:	2/26/96	2/21/96	2/26/96
Instrument I.D.#:	MV-1	INSPC-1	INIC-1
Conc. Spiked:	1.0 mg/L	50 µg/L	50 mg/L
Result:	4.4	50	140
MS % Recovery:	110	100	130
Dup. Result:	4.6	51	140
MSD % Recov.:	130	102	130
RPD:	4.4	2.0	0.0
RPD Limit:	0-20	0-20	0-20

LCS #:	BLK022196	7196RS02F-2	300.OYB02L-4
Prepared Date:	2/21/96	2/21/96	2/26/96
Analyzed Date:	2/26/96	2/21/96	2/26/96
Instrument I.D.#:	MV-1	INSPC-1	INIC-1
Conc. Spiked:	1.0 mg/L	50 µg/L	2.0 mg/L
LCS Result:	1.0	50	1.9
LCS % Recov.:	100	100	95

MS/MSD			
LCS	75-125	70-130	80-120
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geaghty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Mar 15, 1996
 1000 Marina Way South Sample Descript: Water, FE0B Received: Mar 15, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Mar 26, 1996
 Attention: Paul Hehn Lab Number: 603-1091 Reported: Apr 2, 1996

QC Batch Number: GC032696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	500
cis-1,2-Dichloroethene.....	200	5,500
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	240
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	2,400
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.
Freon 113.....	200	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	83
4-Bromofluorobenzene.....	50 150.....	88

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Garaghty & Miller, Inc.	Client Project ID: #RC0304.002	Sampled: Mar 15, 1996
1000 Marina Way South	Sample Descript: Water, FE5B	Received: Mar 15, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: Mar 22, 1996
Attention: Paul Hehn	Lab Number: 603-1092	Reported: Apr 2, 1996

QC Batch Number: GC032296801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	340
cis-1,2-Dichloroethene.....	50	3,200
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	140
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	900
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	93
4-Bromofluorobenzene.....	50 150	91

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Greaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.002
 Sample Descript: Water, FE10B
 Analysis Method: EPA 5030/8010
 Lab Number: 603-1093

Sampled: Mar 15, 1996
 Received: Mar 15, 1996
 Analyzed: Mar 26, 1996
 Reported: Apr 2, 1996

QC Batch Number: GC032696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	N.D.
cis-1,2-Dichloroethene.....	200	3,000
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,2,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	950
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.
Freon 113.....	200	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	71
4-Bromofluorobenzene.....	50 150.....	89

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Project Manager



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Geraghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.002
 Sample Descript: Water, FE40B
 Analysis Method: EPA 5030/8010
 Lab Number: 603-1094

Sampled: Mar 15, 1996
 Received: Mar 15, 1996
 Analyzed: Mar 26, 1996
 Reported: Apr 2, 1996

QC Batch Number: GC032696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	300
cis-1,2-Dichloroethene.....	200	3,300
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,2,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	890
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.
Freon 113.....	0.50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	117
4-Bromofluorobenzene.....	50 150	89

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geighty & Miller, Inc. Client Project ID: #RC0304.002 Sampled: Mar 15, 1996
 105 Marina Way South Sample Descript: Water, FE60B Received: Mar 15, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Mar 29, 1996
 Attention: Paul Hehn Lab Number: 603-1095 Reported: Apr 2, 1996

QC Batch Number: GC032996801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	400	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	400	N.D.
2-Chloroethylvinyl ether.....	400	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	400	N.D.
Dibromochloromethane.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	N.D.
1,1-Dichloroethene.....	200	240
cis-1,2-Dichloroethene.....	200	4,100
trans-1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	2,000	N.D.
1,1,1,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	1,200
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	400	N.D.
Freon 113.....	0.50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	77
4-Bromofluorobenzene.....	50 150	87

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Chromium
First Sample #: 603-1091

Sampled: Mar 15, 1996
Received: Mar 15, 1996
Digested: Mar 21, 1996
Analyzed: Mar 26, 1996
Reported: Apr 2, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
603-1091	FE0B	0.010	5.3	ME0321962007MDB	MV-3
603-1092	FE5B	0.010	3.3	ME0321962007MDB	MV-3
603-1093	FE10B	0.010	3.5	ME0321962007MDB	MV-3
603-1094	FE40B	0.010	0.28	ME0321962007MDB	MV-3
603-1095	FE60B	0.010	0.10	ME0321962007MDB	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 603-1091

Sampled: Mar 15, 1996
Received: Mar 15, 1996
Analyzed: Mar 16, 1996
Reported: Apr 2, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
603-1091	FE0B	0.0050	N.D.	IN0316967196I3A	INSPC-1
603-1093	FE10B	0.0050	N.D.	IN0316967196I3A	INSPC-1
603-1094	FE40B	0.0050	N.D.	IN0316967196I3A	INSPC-1
603-1095	FE60B	0.0050	N.D.	IN0316967196I3A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Paul Hehn

Client Project ID: #RC0304.002
Matrix: Liquid

QC Sample Group: 6031091-095

Reported: Apr 2, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC032296 801007A	GC032296 801007A	GC032296 801007A	GC032696 801007A	GC032696 801007A	GC032696 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.	I.Z.
MS/MSD #:	6030876	6030876	6030876	6031399	6031399	6031399
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/22/96	3/22/96	3/22/96	3/26/96	3/26/96	3/26/96
Analyzed Date:	3/22/96	3/22/96	3/22/96	3/26/96	3/26/96	3/26/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	9.5	8.9	8.8	7.9	10	8.9
MS % Recovery:	95	89	88	79	101	89
Dup. Result:	9.0	6.8	9.1	7.5	10	8.9
MSD % Recov.:	90	68	91	75	101	89
RPD:	5.4	27	3.4	5.2	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS032296	LCS032296	LCS032296	LCS032696	LCS032696	LCS032696
Prepared Date:	3/22/96	3/22/96	3/22/96	3/26/96	3/26/96	3/26/96
Analyzed Date:	3/22/96	3/22/96	3/22/96	3/26/96	3/26/96	3/26/96
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	12	7.5	8.7	6.5	8.4	9.0
LCS % Recov.:	115	75	87	65	84	90

MS/MSD	LCS	LCS	LCS	LCS	LCS	LCS
Control Limits	28-167	35-146	38-150	28-167	35-146	38-150

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Geoghty & Miller, Inc.
 105 Marina Way South
 Richmond, CA 94804
 Attention: Paul Hehn

Client Project ID: #RC0304.002
 Matrix: Liquid

QC Sample Group: 6031091-095

Reported: Apr 2, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC032996 801007A	GC032996 801007A	GC032996 801007A	ME032196 2007MDB	IN031696 7196I3A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I.Z.	I.Z.	I.Z.	J. Kelly	R. Salinas
MS/MSD #:	-	-	-	6031091	6031091
Sample Conc.:	-	-	-	5.3 mg/L	N.D.
Prepared Date:	-	-	-	3/21/96	3/16/96
Analyzed Date:	-	-	-	3/26/96	3/16/96
Instrument I.D.#:	-	-	-	MV-3	INSPC-1
Conc. Spiked:	-	-	-	1.0 mg/L	0.050 mg/L
Result:	-	-	-	6.8	0.052
MS % Recovery:	-	-	-	150	104
Dup. Result:	-	-	-	6.1	0.053
MSD % Recov.:	-	-	-	80	106
RPD:	-	-	-	11	1.9
RPD Limit:	-	-	-	0-20	0-20

LCS #:	LCS032996	LCS032996	LCS032996	BLK032196	7196YB03A-4
Prepared Date:	3/29/96	3/29/96	3/29/96	3/21/96	3/16/96
Analyzed Date:	3/29/96	3/29/96	3/29/96	3/26/96	3/16/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	7.7	8.9	8.6	1.0	0.053
LCS % Recov.:	77	89	86	100	106

MS/MSD					
LCS Control Limits	28-167	35-146	38-150	75-125	70-130

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



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Glaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water, FeD-0
Analysis Method: EPA 5030/8010
Lab Number: 605-0003

Sampled: Apr 30, 1996
Received: Apr 30, 1996
Analyzed: May 6, 1996
Reported: May 13, 1996

QC Batch Number: GC050696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	50	N.D.	
Bromoform.....	50	N.D.	
Bromomethane.....	100	N.D.	
Carbon tetrachloride.....	50	N.D.	
Chlorobenzene.....	50	N.D.	
Chloroethane.....	100	N.D.	
2-Chloroethylvinyl ether.....	100	N.D.	
Chloroform.....	50	N.D.	
Chloromethane.....	100	N.D.	
Dibromochloromethane.....	50	N.D.	
1,3-Dichlorobenzene.....	50	N.D.	
1,4-Dichlorobenzene.....	50	N.D.	
1,2-Dichlorobenzene.....	50	N.D.	
1,1-Dichloroethane.....	50	N.D.	
1,2-Dichloroethane.....	50	N.D.	
1,1-Dichloroethene.....	50	120	
cis-1,2-Dichloroethene.....	50	1,300	
trans-1,2-Dichloroethene.....	50	N.D.	
1,2-Dichloropropane.....	50	N.D.	
cis-1,3-Dichloropropene.....	50	N.D.	
trans-1,3-Dichloropropene.....	50	N.D.	
Methylene chloride.....	500	N.D.	
1,1,1,2-Tetrachloroethane.....	50	N.D.	
Tetrachloroethene.....	50	N.D.	
1,1,1-Trichloroethane.....	50	N.D.	
1,1,2-Trichloroethane.....	50	N.D.	
Trichloroethene.....	50	2,500	
Trichlorofluoromethane.....	50	N.D.	
Vinyl chloride.....	100	300	
Freon 113.....	50	N.D.	
Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	74
4-Bromofluorobenzene.....	50	150	90

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



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Geoghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water, FeD-5
Analysis Method: EPA 5030/8010
Lab Number: 605-0004

Sampled: Apr 30, 1996
Received: Apr 30, 1996
Analyzed: May 6, 1996
Reported: May 13, 1996

QC Batch Number: GC050696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	200	N.D.
2-Chloroethylvinyl ether.....	200	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	100	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	140
cis-1,2-Dichloroethene.....	100	1,400
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Methylene chloride.....	1,000	N.D.
1,1,2,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	3,100
Trichlorofluoromethane.....	100	N.D.
Vinyl chloride.....	200	N.D.
Freon 113.....	100	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	79
4-Bromofluorobenzene.....	50 150.....	95

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager



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Georghty & Miller, Inc.	Client Project ID: #RC0304.005	Sampled: Apr 30, 1996
10 Marina Way South	Sample Descript: Water, FeD-28	Received: Apr 30, 1996
Richmond, CA 94804	Analysis Method: EPA 5030/8010	Analyzed: May 6, 1996
Attention: Ted Crump	Lab Number: 605-0005	Reported: May 13, 1996

QC Batch Number: GC050696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	100
cis-1,2-Dichloroethene.....	50	1,300
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	1,200
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.
Freon 113.....	50	N.D.
Subrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	72
4-Bromofluorobenzene.....	50 150.....	86

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water
Analysis for: Chromium
First Sample #: 605-0003

Sampled: Apr 30, 1996
Received: Apr 30, 1996
Digested: May 2, 1996
Analyzed: May 8, 1996
Reported: May 13, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
605-0003	FeD-0	0.010	69	ME0502962007MDB	MV-3
605-0004	FeD-5	0.010	0.087	ME0502962007MDB	MV-3
605-0005	FeD-28	0.010	0.020	ME0502962007MDB	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
 105 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.005
 Sample Descript: Water
 Analysis for: Hexavalent Chromium
 First Sample #: 605-0003

Sampled: Apr 30, 1996
 Received: Apr 30, 1996
 Analyzed: Apr 30, 1996
 Reported: May 13, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
605-0003	FeD-0	0.0050	76	IN0430967196I3A	INSPC-1
605-0004	FeD-5	0.0050	N.D.	IN0430967196I3A	INSPC-1
605-0005	FeD-28	0.0050	N.D.	IN0430967196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Matrix: Liquid

QC Sample Group: 6050003-005

Reported: May 13, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium Hexavalent Chromium	
QC Batch#:	GC050696 801007A	GC050696 801007A	GC050696 801007A	ME050296 2007MDB	IN043096 719613A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	J. Kelly	R. Salinas
MS/MSD #:	6050042	6050042	6050042	6050003	6050005
Sample Conc.:	N.D.	N.D.	N.D.	69 mg/L	N.D.
Prepared Date:	5/6/96	5/6/96	5/6/96	5/2/96	4/30/96
Analyzed Date:	5/6/96	5/6/96	5/6/96	5/8/96	4/30/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	6.3	8.6	8.5	64	0.034
MS % Recovery:	63	86	85	-	68
Dup. Result:	6.6	9.3	8.7	74	0.037
MSD % Recov.:	66	93	87	-	74
RPD:	4.7	7.8	2.3	14	8.4
RPD Limit:	0-30	0-30	0-30	0-20	0-20

LCS #:	LCS050696	LCS050696	LCS050696	BLK050296	719604RS
Prepared Date:	5/6/96	5/6/96	5/6/96	5/2/96	4/30/96
Analyzed Date:	5/6/96	5/6/96	5/6/96	5/8/96	4/30/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	6.5	8.5	8.5	0.96	0.050
LCS % Recov.:	65	85	85	96	100

MS/MSD LCS Control Limits	28-167	35-146	38-150	75-125	70-130
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
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Graghty & Miller, Inc. Client Project ID: #RC0304.005 Sampled: May 1, 1996
 1000 Marina Way South Sample Descript: Water, FeD-77 Received: May 1, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: May 6, 1996
 Attention: Ted Crump Lab Number: 605-0013 Reported: May 14, 1996

QC Batch Number: GC050696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	100
cis-1,2-Dichloroethene.....	50	1,000
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	800
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	330
Freon 113.....	50	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	100
4-Bromofluorobenzene.....	50 150.....	96

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Geighty & Miller, Inc.
 100 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.005
 Sample Descript: Water, FeD-115
 Analysis Method: EPA 5030/8010
 Lab Number: 605-0014

Sampled: May 1, 1996
 Received: May 1, 1996
 Analyzed: May 6, 1996
 Reported: May 14, 1996

QC Batch Number: GC050696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	50	N.D.	
Bromoform.....	50	N.D.	
Bromomethane.....	100	N.D.	
Carbon tetrachloride.....	50	N.D.	
Chlorobenzene.....	50	N.D.	
Chloroethane.....	100	N.D.	
2-Chloroethylvinyl ether.....	100	N.D.	
Chloroform.....	50	N.D.	
Chloromethane.....	100	N.D.	
Dibromochloromethane.....	50	N.D.	
1,3-Dichlorobenzene.....	50	N.D.	
1,4-Dichlorobenzene.....	50	N.D.	
1,2-Dichlorobenzene.....	50	N.D.	
1,1-Dichloroethane.....	50	N.D.	
1,2-Dichloroethane.....	50	N.D.	
1,1-Dichloroethene.....	50	60	
cis-1,2-Dichloroethene.....	50	1,100	
trans-1,2-Dichloroethene.....	50	N.D.	
1,2-Dichloropropane.....	50	N.D.	
cis-1,3-Dichloropropene.....	50	N.D.	
trans-1,3-Dichloropropene.....	50	N.D.	
Methylene chloride.....	500	N.D.	
1,1,1,2-Tetrachloroethane.....	50	N.D.	
Tetrachloroethene.....	50	N.D.	
1,1,1-Trichloroethane.....	50	N.D.	
1,1,2-Trichloroethane.....	50	N.D.	
Trichloroethene.....	50	170	
Trichlorofluoromethane.....	50	N.D.	
Vinyl chloride.....	100	300	
Freon 113.....	50	N.D.	
Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	79
4-Bromofluorobenzene.....	50	150	91

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager



Sequoia Analytical

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Geighty & Miller, Inc. Client Project ID: #RC0304.005 Sampled: May 1, 1996
 10 Marina Way South Sample Descript: Water, FeD-Final Received: May 1, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: May 7, 1996
 Attention: Ted Crump Lab Number: 605-0015 Reported: May 14, 1996

QC Batch Number: GC050796801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	200	N.D.
2-Chloroethylvinyl ether.....	200	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	100	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	N.D.
cis-1,2-Dichloroethene.....	100	1,700
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Methylene chloride.....	1,000	N.D.
1,1,1,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	3,100
Trichlorofluoromethane.....	100	N.D.
Vinyl chloride.....	200	220
Freon 113.....	100	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	54
4-Bromofluorobenzene.....	50 150.....	93

Analyses reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Product Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.005
 Sample Descript: Water
 Analysis for: Chromium
 First Sample #: 605-0013

Sampled: May 1, 1996
 Received: May 1, 1996
 Digested: May 2, 1996
 Analyzed: May 8, 1996
 Reported: May 14, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
605-0013	FeD-77	0.010	N.D.	ME0502962007MDB	MV-3
605-0014	FeD-115	0.010	66	ME0502962007MDB	MV-3
605-0015	FeD-Final	0.010	0.070	ME0502962007MDB	MV-3

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Product Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water
Analysis for: Hexavalent Chromium
First Sample #: 605-0013

Sampled: May 1, 1996
Received: May 1, 1996
Analyzed: May 1, 1996
Reported: May 14, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
605-0013	FeD-77	0.0050	N.D.	IN0501967196I3A	INSPC-1
605-0014	FeD-115	0.0050	N.D.	IN0501967196I3A	INSPC-1
605-0015	FeD-Final	0.0050	99	IN0501967196I3A	INSPC-1

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Product Manager



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Geaghty & Miller, Inc.
1000 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Matrix: Liquid

QC Sample Group: 6050013-015

Reported: May 14, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC050796 801006A	GC050796 801006A	GC050796 801006A	GC050696 801007A	GC050696 801007A	GC050696 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand	I.Dalvand
MS/MSD #:	6050163	6050163	6050163	6050042	6050042	6050042
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/7/96	5/7/96	5/7/96	5/6/96	5/6/96	5/6/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/6/96	5/6/96	5/6/96
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
Result:	7.9	8.4	7.7	6.3	8.6	8.5
MS % Recovery:	79	84	77	63	86	85
Dup. Result:	8.4	8.9	8.3	6.6	9.3	8.7
MSD % Recov.:	84	89	83	66	93	87
RPD:	6.1	5.8	7.5	4.7	7.8	2.3
RPD Limit:	0-30	0-30	0-30	0-30	0-30	0-30

LCS #:	LCS050796	LCS050796	LCS050796	LCS050696	LCS050696	LCS050696
Prepared Date:	5/7/96	5/7/96	5/7/96	5/6/96	5/6/96	5/6/96
Analyzed Date:	5/7/96	5/7/96	5/7/96	5/6/96	5/6/96	5/6/96
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L	10 µg/L
LCS Result:	8.6	9.2	8.3	6.5	8.5	8.5
LCS % Recov.:	86	92	83	65	85	85

MS/MSD	LCS	Control Limits
	28-167	35-146
	38-150	28-167
	35-146	38-150

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Product Manager



Sequoia Analytical

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Geaghty & Miller, Inc.
 1000 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.005
 Matrix: Liquid

QC Sample Group: 6050013-015

Reported: May 14, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Hexavalent Chromium
QC Batch#:	ME050296	IN050196
	2007MDB	719613A
Analy. Method:	EPA 200.7	EPA 7196
Prep. Method:	EPA 200.7	EPA 7196
Analyst:	J. Kelly	R. Salinas
MS/MSD #:	6050003	6050013
Sample Conc.:	69 mg/L	N.D.
Prepared Date:	5/2/96	5/1/96
Analyzed Date:	5/8/96	5/1/96
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
Result:	64	0.050
MS % Recovery:	-	100
Dup. Result:	74	0.050
MSD % Recov.:	-	100
RPD:	14	0.0
RPD Limit:	0-20	0-20

LCS #:	BLK050296	7196RS05A
Prepared Date:	5/2/96	5/1/96
Analyzed Date:	5/8/96	5/1/96
Instrument I.D.#:	MV-3	INSPC-1
Conc. Spiked:	1.0 mg/L	0.050 mg/L
LCS Result:	0.96	0.050
LCS % Recov.:	96	100

MS/MSD		
LCS	75-125	70-130
Control Limits		

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

 Kevin Van Slambrook
 Project Manager



Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water - Fe E-00
Analysis Method: EPA 5030/8010
Lab Number: 606-0171

Sampled: May 25, 1996
Received: May 30, 1996
Analyzed: Jun 6, 1996
Reported: Jun 13, 1996

GC Batch Number: GC060696801007A
Instrument ID: 5890-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
1-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
trans-1,2-Dichloroethene.....	50	580
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Ethylene chloride.....	500	N.D.
1,1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	1,100
Dichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	N.D.

Surrogates	Control Limit %	% Recovery
Bromodifluoromethane.....	50	150..... 84
4-Bromofluorobenzene.....	50	150..... 82

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0304.005
 Sample Descript: Water - Fe E-6
 Analysis Method: EPA 5030/8010
 Lab Number: 606-0172

Sampled: May 25, 1996
 Received: May 30, 1996
 Analyzed: Jun 6, 1996
 Reported: Jun 13, 1996

QC Batch Number: GC060696801007A
 Instrument ID: 5890-7

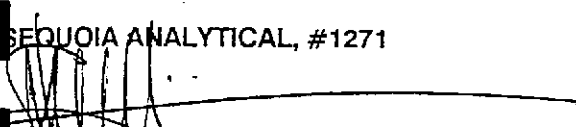
HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	5.8
1,2-Dichloroethane.....	0.50	0.93
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	13
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	1.6

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 80
4-Bromofluorobenzene.....	50	150..... 87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc. Client Project ID: #RC0304.005 Sampled: May 25, 1996
 1050 Marina Way South Sample Descript: Water - Fe E-0 Received: May 30, 1996
 Richmond, CA 94804 Analysis Method: EPA 5030/8010 Analyzed: Jun 6, 1996
 Attention: Ted Crump Lab Number: 606-0173 Reported: Jun 13, 1996

QC Batch Number: GC060696801007A
 Instrument ID: 5890-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	50	N.D.
Bromoform.....	50	N.D.
Bromomethane.....	100	N.D.
Carbon tetrachloride.....	50	N.D.
Chlorobenzene.....	50	N.D.
Chloroethane.....	100	N.D.
2-Chloroethylvinyl ether.....	100	N.D.
Chloroform.....	50	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	50	N.D.
1,3-Dichlorobenzene.....	50	N.D.
1,4-Dichlorobenzene.....	50	N.D.
1,2-Dichlorobenzene.....	50	N.D.
1,1-Dichloroethane.....	50	N.D.
1,2-Dichloroethane.....	50	N.D.
1,1-Dichloroethene.....	50	N.D.
cis-1,2-Dichloroethene.....	50	940
trans-1,2-Dichloroethene.....	50	N.D.
1,2-Dichloropropane.....	50	N.D.
cis-1,3-Dichloropropene.....	50	N.D.
trans-1,3-Dichloropropene.....	50	N.D.
Methylene chloride.....	500	N.D.
1,1,1,2-Tetrachloroethane.....	50	N.D.
Tetrachloroethene.....	50	N.D.
1,1,1-Trichloroethane.....	50	N.D.
1,1,2-Trichloroethane.....	50	N.D.
Trichloroethene.....	50	2,200
Trichlorofluoromethane.....	50	N.D.
Vinyl chloride.....	100	220

Surrogates	Control Limit %	% Recovery
Bromodifluoromethane.....	50	150..... 83
4-Bromofluorobenzene.....	50	150..... 80

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water - Fe E-24
Analysis Method: EPA 5030/8010
Lab Number: 606-0174

Sampled: May 25, 1996
Received: May 30, 1996
Analyzed: Jun 7, 1996
Reported: Jun 13, 1996

GC Batch Number: GC060796801007A
Instrument ID: 5890-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	1.0	N.D.
Bromoform.....	1.0	N.D.
Bromomethane.....	2.0	N.D.
Carbon tetrachloride.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
Chloroethane.....	2.0	N.D.
2-Chloroethylvinyl ether.....	2.0	N.D.
Chloroform.....	1.0	N.D.
Chloromethane.....	2.0	N.D.
Dibromochloromethane.....	1.0	N.D.
1,3-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
1,1-Dichloroethane.....	1.0	7.1
1,2-Dichloroethane.....	1.0	1.3
1,1-Dichloroethene.....	1.0	N.D.
cis-1,2-Dichloroethene.....	1.0	30
trans-1,2-Dichloroethene.....	1.0	N.D.
1,2-Dichloropropane.....	1.0	N.D.
cis-1,3-Dichloropropene.....	1.0	N.D.
trans-1,3-Dichloropropene.....	1.0	N.D.
Methylene chloride.....	10	N.D.
1,1,2,2-Tetrachloroethane.....	1.0	N.D.
Tetrachloroethene.....	1.0	N.D.
1,1,1-Trichloroethane.....	1.0	N.D.
1,1,2-Trichloroethane.....	1.0	N.D.
Trichloroethene.....	1.0	N.D.
Trichlorofluoromethane.....	1.0	N.D.
Vinyl chloride.....	2.0	4.2

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150	76
4-Bromofluorobenzene.....	50 150	91

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0304.005 Sample Descript: Water - Fe E-18 Analysis Method: EPA 5030/8010 Lab Number: 606-0175	Sampled: May 25, 1996 Received: May 30, 1996 Analyzed: Jun 6, 1996 Reported: Jun 13, 1996
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QC Batch Number: GC060796801007A

Instrument ID: 5890-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
2-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	7.6
1,2-Dichloroethane.....	0.50	1.4
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	23
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	2.5

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 84
4-Bromofluorobenzene.....	50	150..... 87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


 Kenneth L. Wimer
 Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Sample Descript: Water - Fe E-12
Analysis Method: EPA 5030/8010
Lab Number: 606-0176

Sampled: May 25, 1996
Received: May 30, 1996
Analyzed: Jun 7, 1996
Reported: Jun 13, 1996

GC Batch Number: GC060796801007A

Instrument ID: 5890-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
1-Chloroethylvinyl ether.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	4.9
1,2-Dichloroethane.....	0.50	0.99
1,1-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	7.3
cis-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Dichloromethylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery	
Bromodifluoromethane.....	50	150	73
4-Bromofluorobenzene.....	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Anneth L. Wimer
Project Manager



Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Matrix: Liquid

QC Sample Group: 6060171-176

Reported: Jun 13, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC060696 801007	GC060696 801007	GC060696 801007
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I. Dalvandf	I. Dalvandf	I. Dalvandf
MS/MSD #:	605119110	605119110	605119110
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	6/6/96	6/6/96	6/6/96
Analyzed Date:	6/6/96	6/6/96	6/6/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	6.8	8.0	6.8
MS % Recovery:	68	80	68
Dup. Result:	7.1	8.2	7.1
MSD % Recov.:	71	82	71
RPD:	4.30	2.50	4.30
RPD Limit:	0-25	0-25	0-25

LCS #:	LCS060696	LCS060696	LCS060696
Prepared Date:	6/6/96	6/6/96	6/6/96
Analyzed Date:	6/6/96	6/6/96	6/6/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	7.6	8.3	7.2
LCS % Recov.:	76	83	72

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.005
Matrix: Liquid

QC Sample Group: 6060171-176

Reported: Jun 13, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC060796 801007	GC060796 801007	GC060796 801007
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I. Dalvandf	I. Dalvandf	I. Dalvandf
MS/MSD #:	605119110	605119110	605119110
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	6/7/96	6/7/96	6/7/96
Analyzed Date:	6/7/96	6/7/96	6/7/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	6.4	8.3	7.4
MS % Recovery:	64	83	74
Dup. Result:	7.1	8.5	7.4
MSD % Recov.:	71	85	74
RPD:	10	2.4	0.0
RPD Limit:	0-25	0-25	0-25

LCS #:	LCS060796	LCS060796	LCS060796
Prepared Date:	6/7/96	6/7/96	6/7/96
Analyzed Date:	6/7/96	6/7/96	6/7/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	7.1	8.2	7.4
LCS % Recov.:	71	82	74

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Project Number RC D304.DD5
 Project Location ECI/EMERYVILLE
 Laboratory SEQUOIA
 Sampler(s)/Affiliation SIB
GEM

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

						SAMPLE BOTTLE / CONTAINER DESCRIPTION				TOTAL
Fe E-00	L	5-25-96 1700		X		6060171	AL			3
Fe E-6	L	1145		X		6060172				3
Fe E-0	L	1145		X		6060173				3
Fe E-24	L	1330		X		6060174				3
Fe E-18	L	1445		X		6060175				3
Fe E-12	L	1515		X		6060176				3
NORMAL TURN AROUND										

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 18

Relinquished by: <u>T. Payne</u>	Organization: <u>GEM</u>	Date: <u>5/30/96</u> Time: <u>14:35</u>	Seal Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>Lin Va</u>	Organization: <u>SAC</u>	Date: <u>5/30/96</u> Time: <u>14:35</u>	
Relinquished by: <u>Lin Va</u>	Organization: <u>SAC</u>	Date: <u>5/30/96</u> Time: <u>15:35</u>	Seal Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Received by: <u>Justin</u>	Organization: <u>SAC</u>	Date: <u>5/30/96</u> Time: <u>15:35</u>	

Special Instructions/Remarks: Please fax results to Ted Crump at 233-3204. Mail results to same at GEM, 1050 Melia Way #0, Richmond, Ca 94804

Delivery Method: In Person Common Carrier Lab Courier Other