



GROVE VALVE AND REGULATOR CO.
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January 20, 1997

ENVIRONMENTAL
PROTECTION
97 JAN 24 AM 10:54

Ms. Susan Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
113 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Grove Valve & Regulator Company, Emeryville, CA
Quarterly Report - 4th Quarter 1996
DRS-95-E942

Dear Ms. Hugo:

Please find two (2) copies of the above captioned report as requested in your letter dated June 29, 1995. I hereby state that, to the best of my knowledge, the report is accurate and that I concur with the conclusions and recommendations made therein. Please contact Mr. Kevin Holloran of Environmental Management & Engineering, Inc. (EME) at (205) 940-7700 if you have any questions or comments. Your assistance with this project is very much appreciated.

Thank you for your kind consideration.

Sincerely,

Bill Tallent
Plant Services Manager

MISSION STATEMENT

Working together, with our customers and suppliers, to manufacture the best valve and regulator products for the oil, gas, and process industries; with a commitment to quality, reliability, and safety, while providing a clean and healthy work environment.

January 14, 1997

**QUARTERLY REPORT-4TH QUARTER
1996 -- Grove Valve & Regulator Company
Emeryville, California**

Submitted To:

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

Prepared For:

Grove Valve & Regulator Company
6529 Hollis Street
Emeryville, California 94549

Prepared By:

Environmental Management &
Engineering, Inc.
437 Industrial Lane
Birmingham, Alabama 35211
Project No. DRS-95-E942



**Environmental Management
& Engineering, Inc.**

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- Attachment 3 Laboratory Analytical Reports for Groundwater Monitoring Event

QUARTERLY REPORT - 4TH QUARTER 1996

Grove Valve & Regulator Company
Emeryville, California

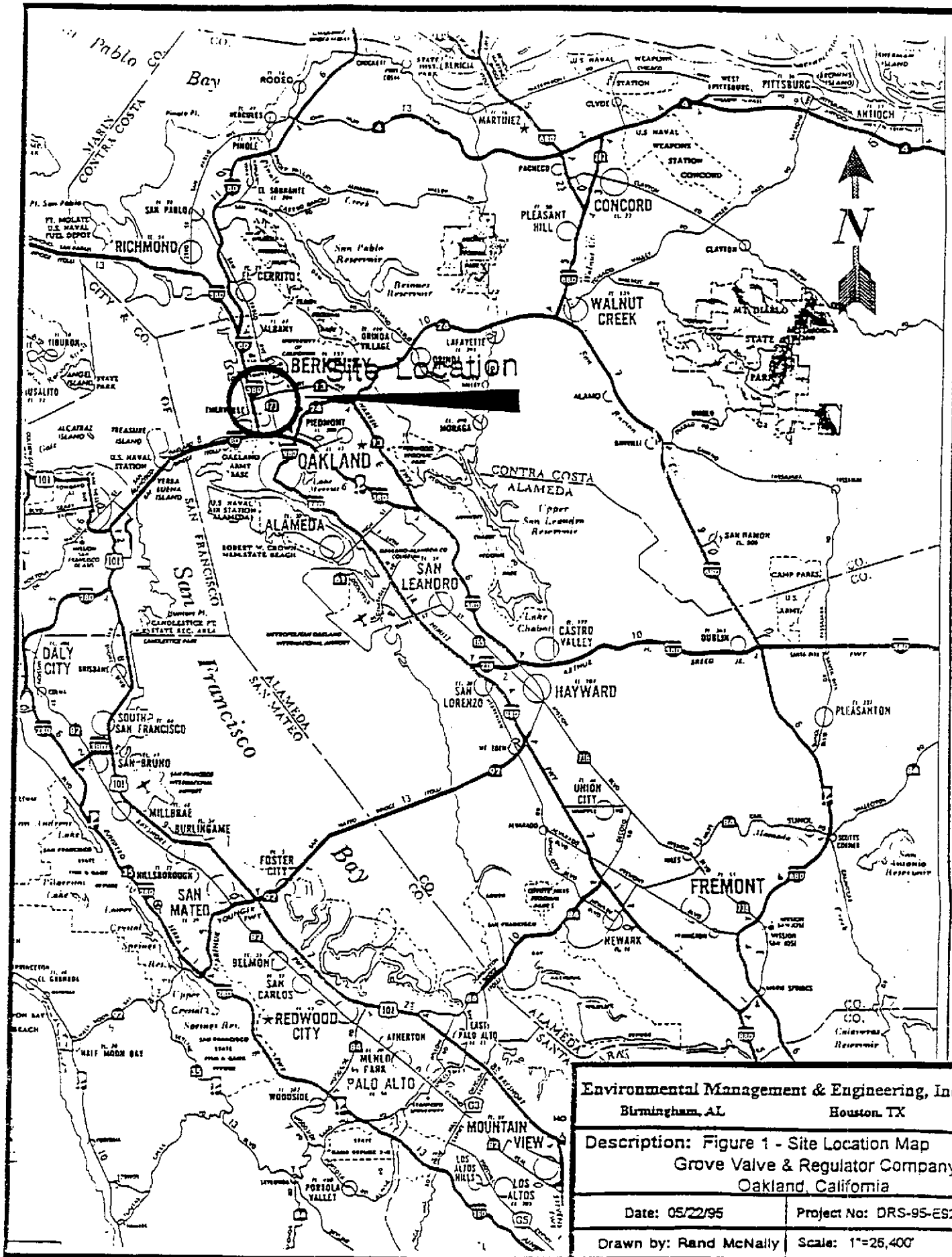
January 14, 1997

I. General Information

The Grove Valve & Regulator Company (Grove) facility is situated on approximately seven acres located at 6529 Hollis Street, Emeryville, California and has been involved in the development, manufacture and sale of valves and pressure regulators for the oil and gas industry. The area in which the facility is located is highly developed with manufacturing, warehouses, commercial offices, etc. Figure 1 is a facility site location map.

As a result of investigations of the soil and groundwater at the Grove facility, the Alameda County Health Care Services Agency, Department of Environmental Health (ACDEH) requested a summary of the work to date, including an overview as to whether further investigation of the site is warranted and if so, a proposal for such. Quarterly monitoring of groundwater and reporting of results were also requested. Attachment 1 contains a copy of the referenced correspondence from the ACDEH. Environmental Management & Engineering, Inc. (EME) of Birmingham, Alabama produced the report, entitled "Groundwater/Soil Investigation Overview" and submitted it to the ACDEH in October of 1995. As requested by the ACDEH and proposed in the above referenced report, Grove has implemented a quarterly groundwater monitoring program.

The following is a description of the monitoring event for the fourth quarter of 1996 and a summary of the project results to date.



Environmental Management & Engineering, Inc.
 Birmingham, AL Houston, TX

Description: Figure 1 - Site Location Map
 Grove Valve & Regulator Company
 Oakland, California

| | |
|------------------------|-------------------------|
| Date: 05/22/95 | Project No: DRS-95-ES22 |
| Drawn by: Rand McNally | Scale: 1"=25,400' |

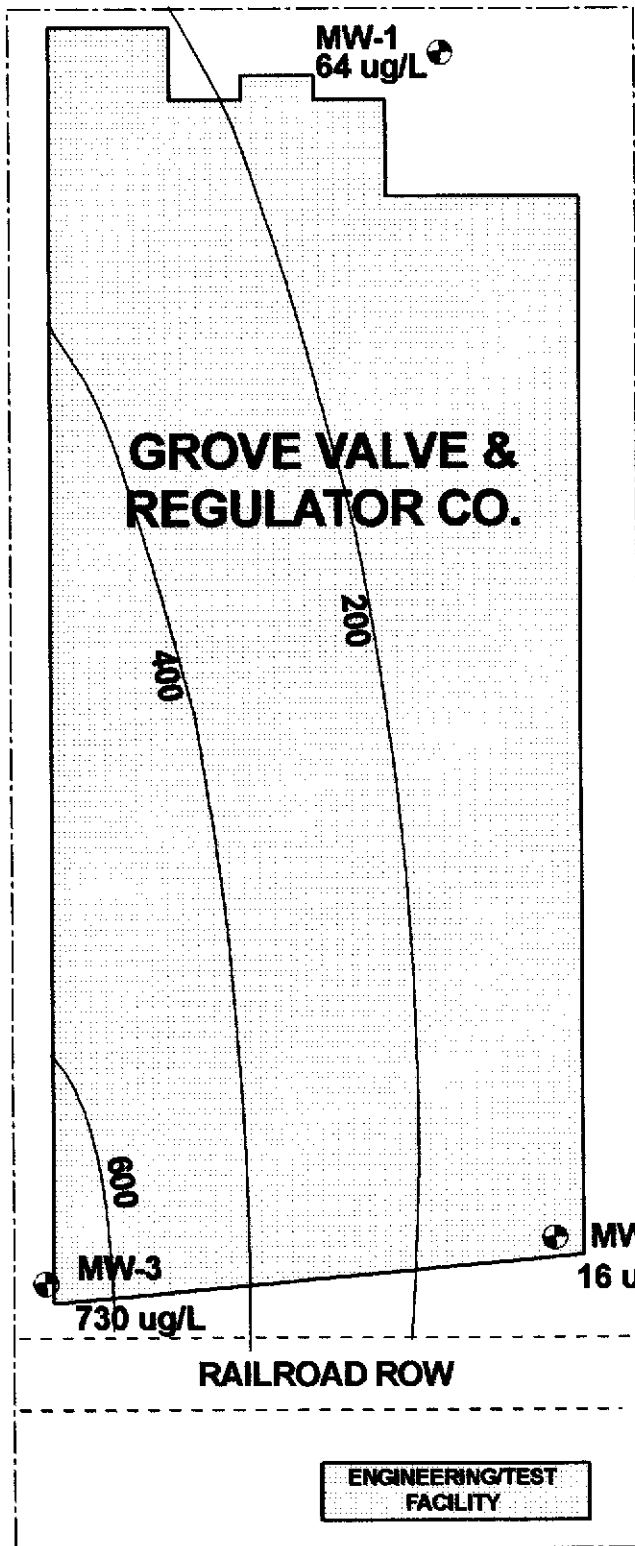
II. Quarterly Monitoring Activities

The sampling event was conducted on Monday, October 28, 1996 by Environmental Sampling Services (ESS) of Lafayette, California. Static water levels and total well depth at the three monitoring wells were recorded, and four casing volumes of water were evacuated from each well using a centrifugal pump and dedicated hoses. Each well was sampled. In addition, one duplicate sample was collected from monitoring well #3 for quality control purposes. A trip blank also accompanied the samples. All samples were transported under proper chain-of-custody to the American Environmental Network laboratory in Pleasant Hill, California for analysis for volatile organic compounds (VOC's) and oil & grease. Attachment 2 is a copy of the Field Activity Report prepared by Environmental Sampling Services.

III. Quarterly Monitoring Results

As required, the groundwater samples were analyzed for VOC's using EPA Methods 8010 and 8020. The analytical results of the October 1996 sampling event continue to indicate lower concentrations of TCE. The trichloroethene (TCE) concentration in the sample from MW-1 (the upgradient monitoring well) was 64 $\mu\text{g/L}$. The TCE concentration in the sample from MW-2 was 16 $\mu\text{g/L}$. The TCE concentrations in the sample and duplicate sample from MW-3 were 730 $\mu\text{g/L}$ and 770 $\mu\text{g/L}$ respectively, as compared to 1400 $\mu\text{g/L}$ and 1100 $\mu\text{g/L}$ obtained during the first quarterly (January 1996) sampling event. Figure 2 shows projected contaminant contours at the site based on these results. Laboratory reports, including QC/QA data and chain-of-custody documentation for this event, as well as previous events, are presented as Attachment 3. Tabulated analytical results for all sampling events to date are presented in Table 1.

Static groundwater levels recorded during the October 1996 sampling event were consistent with those of previous events. Groundwater flow direction and gradient is predominantly to the west toward San Francisco Bay. Figure 3 shows the groundwater gradient and flow direction based on these recorded levels. Tabulated historical static groundwater level readings are presented as Table 2.



LEGEND



MONITORING WELL

64 ug/L

TCE CONCENTRATION
(SAMPLED 10/28/96)

| | |
|---|--------------------------|
| ENVIRONMENTAL MANAGEMENT & ENGINEERING INC. | |
| Birmingham, AL | Houston, TX |
| Description: FIGURE 2 TRICHLOROETHENE CONTAMINATION CONTOURS | |
| Date: 11/27/96 | Project No.: DRS-95-E942 |
| Drawn By: GPIMKH | Scale: NTS |

TABLE 1
SUMMARY OF GROUNDWATER SAMPLING ANALYTICAL RESULTS
 (ug/L)

| Grove Valve Regulator Co. Emeryville, CA | WS-1 Apr-91 | WS-2 Apr-91 | MW-1 Mar-92 | MW-1 Oct-92 | MW-4(D) Oct-92 | MW-1 Feb-93 | MW-1 Apr-95 | MW-1 Aug-95 | MW-1 Sep-95 | MW-1 Nov-95 | MW-1 Jan-96 | MW-1 Apr-96 | MW-1 Jul-96 | MW-1 Oct-96 | MW-1R Mar-92 | MW-2 Mar-92 | MW-2 Oct-92 | MW-2 Feb-93 | MW-2 Apr-95 | MW-2 Aug-95 | MW-2 Sep-95 | MW-2 Nov-95 |
|---|----------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| AROMATIC HYDROCARBONS | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| Chlorobenzene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| 1,2 Dichlorobenzene | NA | NA | ND | NA | NA | ND | ND | NA | NA | NA | NA | ND | ND | ND | ND | ND | NA | ND | ND | NA | NA | NA |
| 1,3 Dichlorobenzene | NA | NA | ND | NA | NA | ND | ND | NA | NA | NA | NA | ND | ND | ND | ND | ND | NA | ND | ND | NA | NA | NA |
| 1,4 Dichlorobenzene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| Ethylbenzene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| Toluene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| Xylene | NA | NA | ND | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND | ND | ND | ND |
| HALOGENATED ORGANICS | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Carbon Tetrachloride | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-Chlorethyl Vinyl Ether | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 Dichloroethane | ND | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 Dichloroethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 Dichloroethene | 50 | ND | ND | ND | ND | 15 | 20 | 12 | 18 | 18 | 16 | 12 | 15 | 15 | ND | 2 | 1 | 2 | 0.9 | ND | ND | ND |
| cis-1,2-Dichloroethene | 5 | 20 | 33 | 24 | 24 | 15 | 7 | ND | 7 | 7 | 7 | 4.1 | 5.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene | ND | 3 | 12 | 8 | 8 | 5 | 7 | ND | 7 | 7 | 7 | 4.1 | 5.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 Dichloropropane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methylene Chloride | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2 Tetrachloroethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.6 | 0.8 | ND | ND | ND | ND |
| 1,1,1 Trichloroethane | 120 | 2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 Trichloroethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | 160 | 180 | 103 | 99 | 98 | 53 | 79 | 46 | 54 | 61 | 61 | 43 | 60 | 64 | ND | 4 | 3 | 3 | 5 | ND | ND | 5 |
| Trichlorofluoromethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 Trichlorotrifluoroethane | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Vinyl Chloride | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

ND = Not Detected D = Duplicate WS-1 - Elevator Shaft Sump Sample
 NA = Not Analyzed R = Replicate WS-2 - X-ray Pit Sump Sample
 Shaded Area Indicates Recent Sampling Results

TABLE 1
SUMMARY OF GROUNDWATER SAMPLING ANALYTICAL RESULTS
 (ug/L)

| Grove Valve Regulator Co. Emeryville, CA | MW-2 Jan-96 | MW-2 Apr-96 | MW-2 Jul-96 | MW-2 Oct-96 | MW-2D Mar-92 | MW-3 Mar-92 | MW-3 Oct-92 | MW-3 Feb-93 | MW-3 Apr-95 | MW-3 Aug-95 | MW-3 Sep-95 | MW-3 Nov-95 | MW-3 Jan-96 | MW-3 Apr-96 | MW-3 Jul-96 | MW-3 Oct-96 | MW-3D Sep-95 | MW-3D Nov-95 | MW-3D Jan-96 | MW-3D Apr-96 | MW-3D Jul-96 | MW-3D Oct-96 |
|---|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| AROMATIC HYDROCARBONS | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | ND | ND | ND | ND | NA | ND | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | ND | ND | ND | ND | NA | ND | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | ND | ND | ND |
| 1,2 Dichlorobenzene | NA | ND | ND | ND | NA | ND | NA | ND | ND | NA | NA | NA | NA | ND | ND | ND | NA | NA | NA | ND | ND | ND |
| 1,3 Dichlorobenzene | NA | ND | ND | ND | NA | ND | NA | ND | ND | NA | NA | NA | NA | ND | ND | ND | NA | NA | NA | ND | ND | ND |
| 1,4 Dichlorobenzene | NA | ND | ND | ND | NA | ND | NA | ND | ND | NA | NA | NA | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Ethylbenzene | ND | ND | ND | ND | NA | ND | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Toluene | ND | ND | ND | ND | NA | ND | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Xylene | ND | ND | ND | ND | NA | ND | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| HALOGENATED ORGANICS | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Carbon Tetrachloride | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-Chlorethyl Vinyl Ether | ND | ND | ND | ND | ND | 0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloromethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 Dichloroethane | ND | 3.2 | 3.3 | ND | 3 | 0.6 | 0.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 Dichloroethane | ND | ND | ND | ND | ND | ND | 0.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 Dichloroethene | ND | ND | ND | ND | ND | 2 | 1 | 1 | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 36 | 40 | 23 |
| cis-1,2-Dichloroethene | ND | 1.2 | 1.8 | 0.8 | 2 | 18 | 13 | 13 | 28 | 19 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethene | ND | ND | ND | 1.2 | ND | ND | ND | 1 | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 Dichloropropane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methylene Chloride | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2 Tetrachloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene | ND | ND | ND | ND | 0.6 | 0.5 | 0.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1 Trichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 Trichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | 7 | 6.7 | 12 | 16 | 4 | 1300 | 1100 | 1200 | 800 | 1400 | 1200 | 1400 | 1400 | 720 | 810 | 730 | 1200 | 1200 | 1100 | 770 | 710 | 770 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 Trichlorotrifluoroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Vinyl Chloride | ND | ND | ND | ND | ND | 5 | 2 | 3 | 9 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

ND = Not Detected D = Duplicate WS-1 - Elevator Shaft Sump Sample
 NA = Not Analyzed R = Replicate WS-2 - X-ray Pit Sump Sample
 Shaded Area Indicates Recent Sampling Results

TABLE 1
SUMMARY OF GROUNDWATER SAMPLING ANALYTICAL RESULTS
 (ug/L)

| Grove Valve Regulator Co. Emeryville, CA | WS-1 Apr-91 | WS-2 Apr-91 | MW-1 Mar-92 | MW-1 Oct-92 | MW-4(ID) Oct-92 | MW-1 Feb-93 | MW-1 Apr-95 | MW-1 Aug-95 | MW-1 Sep-95 | MW-1 Nov-95 | MW-1 Jan-96 | MW-1 Apr-96 | MW-1 Jul-96 | MW-1 Oct-96 | MW-1R Mar-92 | MW-2 Mar-92 | MW-2 Oct-92 | MW-2 Feb-93 | MW-2 Apr-95 | MW-2 Aug-95 | MW-2 Sep-95 | MW-2 Nov-95 |
|---|----------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| PESTICIDES & PCB'S | | | | | | | | | | | | | | | | | | | | | | |
| Aldrin | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| alpha-BHC | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| beta-BHC | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| delta-BHC | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| gamma-BHC | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Chlordane | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 4,4 DDD | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 2,4 DDD | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 4,4 DDE | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 2,4 DDE | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 4,4 DDT | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| 2,4 DDT | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Dieldrin | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Endosulfan I | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Endosulfan II | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Endrin | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Heptachlor | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Methoxychlor | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| Toxaphene | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1016 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1221 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1232 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1242 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1248 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1254 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| PCB-1260 | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |
| oil & grease (EPA Method 5520C) | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | ND | NA | NA | ND | ND | NA | NA | NA | NA |
| Hydrocarbons (EPA Method 5520F) | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA |

ND = Not Detected D = Duplicate WS-1 - Elevator Shaft Sump Sample
 NA = Not Analyzed R = Replicate WS-2 - X-ray Pit Sump Sample
 Shaded Area Indicates Recent Sampling Results

TABLE 1
SUMMARY OF GROUNDWATER SAMPLING ANALYTICAL RESULTS
 (ug/L)

| Grove Valve Regulator Co. Emeryville, CA | MW-2 Jan-96 | MW-2 Apr-96 | MW-2 Jul-96 | MW-2 Oct-96 | MW-2D Mar-92 | MW-3 Mar-92 | MW-3 Oct-92 | MW-3 Feb-93 | MW-3 Apr-95 | MW-3 Aug-95 | MW-3 Sep-95 | MW-3 Nov-95 | MW-3 Jan-96 | MW-3 Apr-96 | MW-3 Jul-96 | MW-3 Oct-96 | MW-3D Sep-95 | MW-3D Nov-95 | MW-3D Jan-96 | MW-3D Apr-96 | MW-3D Jul-96 | MW-3D Oct-96 |
|---|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PESTICIDES & PCB'S | | | | | | | | | | | | | | | | | | | | | | |
| Aldrin | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chlordane | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4 DDD | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4 DDD | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4 DDE | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4 DDE | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4 DDT | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4 DDT | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1016 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1221 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1232 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1242 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1248 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1254 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB-1260 | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| oil & grease (EPA Method 5520C) | NA | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | ND | ND | ND | NA | NA | NA | ND | ND |
| Hydrocarbons (EPA Method 5520F) | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

ND = Not Detected D = Duplicate WS-1 - Elevator Shaft Sump Sample
 NA = Not Analyzed R = Replicate WS-2 - X-ray Pit Sump Sample
 Shaded Area Indicates Recent Sampling Results

**TABLE 2
STATIC WATER LEVEL READINGS**

| WELL | DATE | TOC | WLR | SWL |
|-------------|-------------|------------|------------|------------|
| MW-1 | 3/2/92 | 20.72 | 4.28 | 16.44 |
| | 3/26/92 | | 4.89 | 15.83 |
| | 10/15/92 | | 7.22 | 13.5 |
| | 8/18/95 | | 8.52 | 12.2 |
| | 9/14/95 | | 6.71 | 14.01 |
| | 11/17/95 | | 7.03 | 13.69 |
| | 1/9/96 | | 6.12 | 14.6 |
| | 4/11/96 | | 6.04 | 14.68 |
| | 7/30/96 | | 6.16 | 14.56 |
| | 10/28/96 | | 6.82 | 13.9 |
| MW-2 | 3/2/92 | 15.95 | 7.9 | 8.05 |
| | 3/26/92 | | 6.1 | 9.85 |
| | 10/15/95 | | 7.42 | 8.53 |
| | 8/18/95 | | 6.65 | 9.3 |
| | 9/14/95 | | 8.16 | 7.79 |
| | 11/17/95 | | 8.94 | 7.01 |
| | 1/9/96 | | 7.82 | 8.13 |
| | 4/11/96 | | 7.82 | 8.13 |
| | 7/30/96 | | 7.42 | 8.53 |
| | 10/28/96 | | 7.48 | 8.47 |
| MW-3 | 3/2/92 | 16.95 | 9.22 | 7.76 |
| | 3/26/92 | | 8.38 | 8.6 |
| | 10/15/95 | | 9.32 | 7.66 |
| | 8/18/95 | | 9.28 | 7.7 |
| | 9/14/95 | | 9 | 7.95 |
| | 11/17/95 | | 9.3 | 7.68 |
| | 1/9/96 | | 9.08 | 7.87 |
| | 4/11/96 | | 8.03 | 8.92 |
| | 7/30/96 | | 8.86 | 8.09 |
| | 10/28/96 | | 8.9 | 8.05 |

NOTE: TOC - TOP OF CASING, MEAN SEA LEVEL
WLR - WATER LEVEL READING, FEET
SWL - STATIC WATER LEVEL, FEET ABOVE MEAN SEA LEVEL

IV. Summary and Recommendations

As proposed in the EME's report entitled "Groundwater/Soil Investigation Overview" dated September 25, 1995, Grove has implemented a quarterly groundwater monitoring program beginning in November of 1995. As requested by ACDEH in a letter dated June 29, 1995, the quarterly monitoring includes sampling and analysis for TPH as oil and grease, aromatic volatile hydrocarbons (EPA Method 8020) and halogenated volatile organics (EPA Method 8010). A review of the history of the site and surrounding area and of the analytical data resulting from the current and previous investigations discloses the following information.

- A review of the history of groundwater analytical data (Table 1), indicates that the TCE concentrations in the groundwater showed reduction over a period of time. It can also be noted that, for the last year (four quarterly sampling events), the TCE concentration in the groundwater in MW-3 showed reduction from approximately 1400 $\mu\text{g/L}$ obtained during the first quarterly event (January 1996) to approximately 750 $\mu\text{g/L}$ in the subsequent quarters. The low TCE concentrations in MW-1 and MW-2 were likewise consistent for the whole year (four quarters). All analytical results reported concentrations of TPH as oil and grease to be below detection limit.
- Previous off-site investigations have indicated that the groundwater in the neighboring facilities showed evidence of chlorinated contamination. In addition, chlorinated solvent contamination of groundwater in the general Emeryville area has been described as "ubiquitous" by a representative of the Regional Water Quality Control Board.
- Previous investigations conducted at the Grove Valve and Regulator Company have not identified any apparent on-site source for the TCE (and breakdown product) contamination which has been detected in the area groundwater. The continued presence of TCE in the upgradient monitoring well and the fact that

Grove has no known history of TCE use indicate that the groundwater contamination consists of a migrating slug of contaminants from off-site source(s).

Based on the above information, Grove proposes annual monitoring (beginning during the fourth quarter of 1997) for a period of two years. Following two annual monitoring events in which the data continues to indicate that the source of the groundwater contamination is from an offsite source, Grove proposes to decommission the wells at the site.

V. **Qualifications of Lead Professionals**

Founder and President of EME, Dr. Gene Gonsoulin has over twenty-five years of Environmental and Natural Resource Management education and work experience and has provided services to numerous major industry projects, industry trade organizations, and state and federal governmental agencies. He has honed a broad array of specialized skills that provides sound environmental and natural resource management consulting and professional guidance for EME's technical staff. Included in his work experience are many years of direct employment/involvement in the oil and gas, drilling, production and natural gas transmission industry for domestic and international operations as well as continuing consulting work for a number of large companies both here and abroad.

Mr. Kevin Holloran, an Environmental Specialist with EME, has ten (10) years experience in the environmental field in both the regulatory and consulting aspects of the industry. He has extensive experience in the performance of environmental site assessments including both regulatory research and site work in the United States, Canada, Scotland, England and Belgium.

Ms. Robin Spencer has 16 years experience in the environmental engineering field. She is a Certified Hazardous Materials Manager and a Registered Environmental Assessor in the State of California.

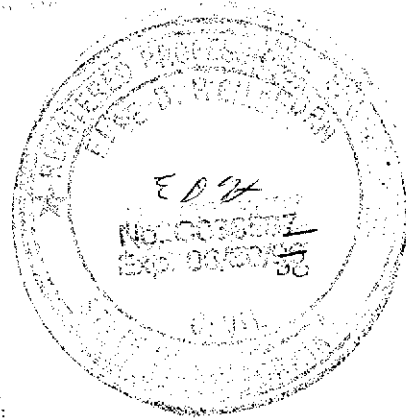
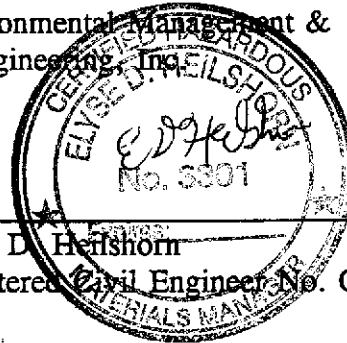
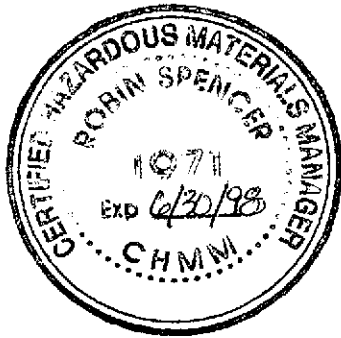
Ms. Elyse Heilshorn is a consulting environmental engineer and a registered civil engineer (No. C036567) in the State of California, a Certified Hazardous Materials Manager, and a Registered Environmental Assessor. She has 18 years experience in the environmental field as an engineer and a chemist.

Gene J. Gonsoulin
Gene J. Gonsoulin, Ph.D, President
Environmental Management &
Engineering, Inc.

Michael Kevin Holloran
Michael Kevin Holloran, Environmental
Specialist
Environmental Management &
Engineering, Inc.

Robin K. Spencer
Robin K. Spencer, CHMM, R.E.A.

Elyse D. Heilshorn
Registered Civil Engineer No. C036567



**ATTACHMENT 1 – Alameda County Health
Services Correspondence
Dated June 29, 1995**

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



FAXED

JUL 7 - 1995

cc: Bill Tallent

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

June 29, 1995

Grove Valve and
Regulator Company
Executive Office

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

Mr. Kenneth Banks
Grove Valve and Regulator Company
6529 Hollis Street
Emeryville, California 94608

RE: Soil and Groundwater Contamination at Grove Valve and
Regulator Company - 6529 Hollis Street, Emeryville, CA 94608

Dear Mr. Banks:

The Alameda County Department of Environmental Health, Environmental Protection Division has recently reviewed the Work Plan - Status of Environmental Investigation of Soil and Groundwater (April 1995) prepared by Robin Spencer for the referenced site.

The following are issues that must be addressed regarding the soil and groundwater investigation at the subject site:

- 1) The extent of the soil and groundwater contamination remains undefined. The latest sampling event (April 1995) revealed that the three on site monitoring wells detected trichloroethene (TCE) up to 800 ppb in MW-3 which appeared to be the downgradient well. Vinyl chloride (9 ppb) and dichloroethene (28 ppb) were also detected in MW-3. A work plan must be submitted to determine the vertical and lateral extent of the soil and groundwater contamination.
- 2) The source of the soil and groundwater contamination at the site must be identified. Review of our files for the subject site indicated that chlorinated solvents (1,1,1 trichloroethane) had been used at the site.
- 3) Monitoring well MW-4 showed 98 ppb trichloroethene during the 10/15/92 sampling event. Please provide any other existing groundwater data for this well including copies of the boring log and monitoring well construction diagram. Additionally, the location of the well (MW-4) must be identified in the site map.
- 4) All the wells must be sampled every quarter and analyzed for the following target compounds: TPH as oil and grease, aromatic volatile hydrocarbons (8020) and halogenated volatile organics (8010).
- 5) Groundwater elevation must be measured and incorporated in the quarterly monitoring program to verify groundwater flow direction at the subject site.

Response to all the issues mentioned above including the work plan submittal must be provided to this office no later than August 21, 1995.

Mr. Kenneth Banks
RE: 6529 Hollis Street, Emeryville CA 94608
June 29, 1995
Page 2 of 2

Until cleanup is complete, you will need to submit quarterly reports to this office and the following items must be incorporated in your future reports or workplans:

- a cover letter from the responsible party stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project.

Please contact me at (510) 567-6780 if you have any questions concerning this letter.

Sincerely,

Susan L. Hugo

Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Director, Environmental Health
Jun Makishima, Acting Chief, Environmental Protection
Division / file
Gil Jensen, Alameda County District Attorney's Office
Sum Arigala, San Francisco Bay RWQCB
Robin Spencer, 6 Via San Inigo, Orinda, CA 94563

ATTACHMENT 2 -- "Field Activity Report"
Environmental Sampling
Services, October 1996



**Environmental
Sampling Services**

**FIELD ACTIVITY REPORT
FOR OCTOBER 1996 QUARTERLY
GROUNDWATER MONITORING AT
GROVE VALVE AND REGULATOR COMPANY, EMERYVILLE, CA**

ESS Personnel: Jacki Lee
Duration of Activities: October 28, 1996
Purchase Order Number: PB 57254

Water Level Measurements

Static water level and total well depth of three monitoring wells were measured prior to well evacuation. Water level and total well depth measurements were referenced to the surveyor's mark on each well casing (Table 1). All readings were performed with a Solinst® water level indicator.

Sampling Procedures

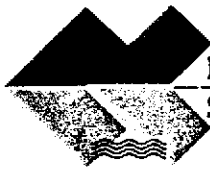
Three monitoring wells (MW-1, MW-2, and MW-3) were purged and sampled. The monitoring wells were evacuated using a centrifugal pump and dedicated hose. Following evacuation of four casing volumes, each monitoring well was sampled for volatile organics by EPA Method 8010/8020 and Oil & Grease by EPA Method 5520C.

All samples were collected into pre-preserved, laboratory-supplied sample containers. All samples were submitted to American Environmental Network in Pleasant Hill, California.

QA/QC

As directed by Grove Valve and Regulator, one QA/QC sample was collected. A duplicate of monitoring well MW-3 was collected and labeled "MW-3-DUP". In addition, a Travel Blank for EPA Method 8010/8020 was supplied by the laboratory. The Travel Blank remained with sample containers throughout the sampling event and during shipment. All samples were inserted into glass protection material, sealed in ziplock bags, and placed in a chilled ice chest for storage and shipment.

page 1 of 7



**Environmental
Sampling Services**

Chain of Custody (COC) Forms

Sample handling was conducted under strict chain of custody procedures. The COC included an analysis request section, sample date and time, and well identification. Samples were relinquished to AEN Laboratory in Pleasant Hill, California.

A carbon copy of the COC is enclosed.

As requested, a copy of the laboratory results are to be faxed to Environmental Management and Engineering Inc., Attention: Mr. Gene Gonsoulin at (205) 940-7701.

Disposal of Purged Groundwater

The Groundwater generated from well purging was discharged and stored into three 55 gallon drums.

Comments

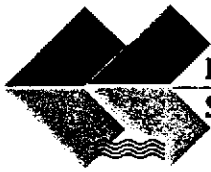
The quarterly sampling for 1996 is complete. Dedicated hoses were discarded. New hoses will be obtained for future sampling events.

All work was performed under satisfactory workmanship and according to Grove Valve and Regulator's directive.

Jacqueline Lee
President

encl

Table 1
Chain of Custody
Well Sample Log Sheets

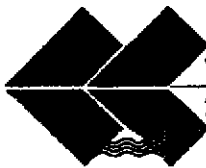


**Environmental
Sampling Services**

**TABLE 1: SUMMARY OF OCTOBER 1996
QUARTERLY GROUNDWATER MONITORING AT
GROVE VALVE AND REGULATOR COMPANY,
EMERYVILLE, CA**

| Well I.D. | Initial Water Level (ft) (measured 10/28/96) | Total Well Depth (ft) | Total Gallons Removed | Equivalent Casing Volume |
|-----------|---|-----------------------------|--------------------------|--------------------------------|
| MW-1 | 6.82 | 24.94 | 48 | 4.06 |
| MW-2 | 7.48 | 24.32 | 49 | 4.49 |
| MW-3 | 8.90 | 24.84 | 48 | 4.61 |





**Environmental
Sampling Services**

| | |
|---|--|
| WELL SAMPLE LOG SHEET | Well Identification: <u>MW-1</u> Date: <u>10/28/96</u> |
| Project Name: <u>Glove Valve</u> | Client Project Number: <u>PA53254</u> |
| Well Description: <u>2" (4) 6"</u> | Well Type: <u>PVC</u> <u>Stainless Steel</u> |
| Is well secured? <u>(YES)</u> NO | Type of lock / lock number: <u>Dolphin</u> |
| Observations/Comments: | |

Purge Method: Teflon Disposable Bailer Centrifugal pump GRUNDFOS Redi-flow pump Other: _____

Pump lines: NEW/CLEANED/DEDICATED Bailer lines: NEW CLEANED

Method of cleaning pump: Alconox Liquidnox Tap Water DI Rinse Other: _____

Method of cleaning bailer: Alconox Liquidnox Tap Water DI Rinse Other: _____

Sampling Method: Teflon Disp. Tef. bailer Disp. PVC bailer Redi-Flow 2 pump Other: _____

pH Meter Serial Number: 217254 **Specific Conductance Meter Serial Number:** F8016991

Date(s) Calibrated: 10/28/96 (4) 7 10 **Specific Conductance Meter Red-lined:** (YES) / NO

Method to measure water level: Solinst **Product Thickness:** NA

Water Level at Start (DTW): 6.82 **Water Level Prior to Sampling:** 12.84

TD-2494 $6.82 \text{ (DTW)} \times k = 11.8 \text{ gallons/casing volume} \times 4 = 47.2 \text{ gallons for } 4 \text{ casing volumes}$
 $k = 0.163 \text{ (2" well)} \quad k = 0.653 \text{ (4" well)} \quad k = 1.02 \text{ (5" well)} \quad k = 1.46 \text{ (6" well)} \quad k = 2.61 \text{ (8" well)}$

FIELD WATER QUALITY PARAMETERS

| Date | Time | Discharge (gallons) | pH | Temp. (°C) | Specific Conductance (umhos/cm) | Turbidity (NTU's) | Color | Comments |
|-----------------|--------------|---------------------|-------------|-------------|---------------------------------|-------------------|------------------------|-----------------------|
| <u>10/28/96</u> | <u>1206</u> | <u>8</u> | <u>6.24</u> | <u>20.2</u> | <u>950</u> | <u>27</u> | <u>clear</u> | |
| | <u>1209</u> | <u>16</u> | <u>6.39</u> | <u>20.1</u> | <u>1005</u> | <u>28</u> | <u>"</u> | |
| | <u>12:11</u> | <u>24</u> | <u>6.38</u> | <u>20.0</u> | <u>1020</u> | <u>44</u> | <u>slightly cloudy</u> | |
| | <u>12:14</u> | <u>32</u> | <u>6.47</u> | <u>19.9</u> | <u>1099</u> | <u>46</u> | <u>"</u> | |
| | <u>12:17</u> | <u>40</u> | <u>6.49</u> | <u>19.5</u> | <u>1050</u> | <u>66</u> | <u>"</u> | <u>Dry @ 45 gals.</u> |
| | <u>12:27</u> | <u>48</u> | <u>6.56</u> | <u>19.8</u> | <u>1060</u> | <u>189</u> | <u>BKN</u> | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| <u>10/28/96</u> | <u>12:45</u> | <u>Aft. Sampl</u> | <u>6.54</u> | <u>20</u> | <u>1010</u> | <u>50</u> | <u>slightly cloudy</u> | |

Total Discharge: 49 gallons **Casing Volumes Removed:** 4.06

Method of disposal of discharged water: 1 - 55 gal drum

Date/Time sampled: 10/28 @ 12:40 **Analysis:** 8010/8020 (3vac's HCl); 011 & 022 (2-1L HCl)

Comments: _____

QA/QC: NONE as Eq. Blank Duplicate MS/MSD Split

Sampled By: JLB

Environmental Sampling Services
 6680 Alhambra Ave. Martinez, CA 94553
 Tel/Fax: (510) 372-8108



**Environmental
Sampling Services**

WELL SAMPLE LOG SHEET

Well Identification: MW-2 Date: 10/28/96

Project Name: Grave Valve
Well Description: 2" 4" 6"
Is well secured? YES / NO
Observations/Comments:

Client Project Number: FB57254
Well Type: PVC Stainless Steel
Type of lock / lock number: Dolphin

Purge Method: Teflon Disposable Bailer Centrifugal pump GRUNDFOS Redi-flow pump Other:

Pump lines: NEW/CLEANED DEDICATED Bailer lines: NEW / CLEANED

Method of cleaning pump: Alconox Liquidnox Tap Water DI Rinse Other:

Method of cleaning bailer: Alconox Liquidnox Tap Water Rinse Other:

Sampling Method: Teflon Disp. Tef. bailer Disp. PVC bailer Redi-Flow 2 pump Other:

pH Meter Serial Number: 217254 Specific Conductance Meter Serial Number: F8016591

Date(s) Calibrated: 10/28/96 4 7 10 Specific Conductance Meter Red-lined: YES / NO

Method to measure water level: Solinst Product Thickness: NA

Water Level at Start (DTW): 9.48 Water Level Prior to Sampling: 10.32

TD 29.32 7.48 (DTW) x "k" = 10.9 gallons/casing volume x 4 = 43.9 gallons for 4 casing volumes
"k" = 0.163 (2" well) "k" = 0.653 (4" well) "k" = 1.02 (5" well) "k" = 1.46 (6" well) "k" = 2.61 (8" well)

FIELD WATER QUALITY PARAMETERS

| Date | Time | Discharge (gallons) | pH | Temp. (°C) | Specific Conductance (umhos/cm) | Turbidity (NTU's) | Color | Comments |
|----------|-------|---------------------|------|------------|---------------------------------|-------------------|--------------------|---------------------------|
| 10/28/96 | 9:14 | 5 | 6.36 | 18.8 | 3760 | 23 | opaque/ cloudy | |
| | 9:17 | 10 | 6.44 | 18.8 | 3690 | 20 | clear | |
| | 9:19 | 15 | 6.41 | 18.9 | 3699 | 27 | " | |
| | 9:22 | 20 | 6.44 | 18.9 | 3890 | 26 | " | |
| | 9:24 | 25 | 6.44 | 18.5 | 3790 | 32 | " | |
| | 9:27 | 29.30 | 6.46 | 18.2 | 3700 | 89 | v. cl- tan/ cloudy | Dry @ 29 gals. |
| | 10:07 | 35 | 6.49 | 19.0 | 3730 | 69 | cloudy (F. 30) | |
| | 10:11 | 40 | 6.50 | 19.0 | 3450 | 79 | " | |
| | 10:13 | 45 | 6.48 | 19.0 | 3550 | 78 | " | |
| | 10:17 | 49 | 6.55 | 19.0 | 3700 | 143 | " | Dry @ 49 gals (0.85% 80%) |
| | 12:00 | Aft. Sample | 6.49 | 20 | 3700 | 75 | cloudy | |

Total Discharge: 49 gallons Casing Volumes Removed: 4.49

Method of disposal of discharged water: To 55 gal drum

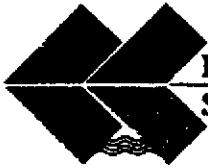
Date/Time sampled: 10/28/96 @ 11:40 Analysis: 0010/0020 (3 voc's 7/1cc): Oil & Grease (552cc, 2-1L (P&ES; HCl))

Comments: _____

QA/QC: NONE as Eq. Blank Duplicate MS/MSD Split

Sampled By: JLB

Environmental Sampling Services
6680 Alhambra Ave. Martinez, CA 94553
Tel/Fax (510) 372-8108



**Environmental
Sampling Services**

WELL SAMPLE LOG SHEET Well Identification: MW-3 Date: 10/27/96

Project Name: Crove Valve Client Project Number: PB57254

Well Description: 2" (4" 6") Well Type: PVC Stainless Steel

Is well secured? YES / NO Type of lock / lock number: Dolphin

Observations/Comments: _____

Purge Method: Teflon Disposable Bailer Centrifugal pump GRUNDFOS Redi-flow pump Other: _____

Pump lines: NEW/CLEANED/DEDICATED Bailer lines: NEW CLEANED

Method of cleaning pump: Alconox Liquidnox Tap Water DI Rinse Other: _____

Method of cleaning bailer: Alconox Liquidnox Tap Water DI Rinse Other: _____

Sampling Method: Teflon Disp. Tef. bailer Disp. PVC bailer Redi-Flow 2 pump Other: _____

pH Meter Serial Number: 27254 Specific Conductance Meter Serial Number: FR016591

Date(s) Calibrated: 10/28/96 4/20/10 Specific Conductance Meter Red-lined: YES NO

Method to measure water level: Soil Wet Product Thickness: NA

Water Level at Start (DTW): 8.90 Water Level Prior to Sampling: 13.00

TD 24.84 - 8.90 (DTW) x k = 10.4 gallons/casing volume x 4 = 41.6 gallons for 4 casing volumes
k = 0.163 (2" well) k = 0.653 (4" well) k = 1.02 (5" well) k = 1.46 (6" well) k = 2.61 (8" well)

FIELD WATER QUALITY PARAMETERS

| Date | Time | Discharge (gallons) | pH | Temp. (°C) | Specific Conductance (umhos/cm) | Turbidity (NTU's) | Color | Comments |
|------|-------|---------------------|------|------------|---------------------------------|-------------------|------------|-------------------------------|
| | 7:44 | 8 | 6.41 | 18.5 | 2630 | 28 | clear | |
| | 9:47 | 16 | 6.46 | 18.1 | 2710 | 38 | tan/cloudy | |
| | 9:51 | 24 | 6.46 | 18.0 | 2710 | 140 | tan | Dry at 31 gals. |
| | 10:29 | 35 | 6.44 | 17.8 | 2610 | 62 | cloudy | |
| | 10:33 | 42 | 6.46 | 17.8 | 2410 | 161 | tan | |
| | 10:36 | 48 | 6.50 | 17.8 | 2600 | 340 | " | Dry @ 48 gals. 12.09 = 90% |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 11:15 | Aft. Sampl | 6.38 | 17.0 | 2470 | 270 | cloudy | |

Total Discharge: 48 gallons Casing Volumes Removed: 4.61

Method of disposal of discharged water: To 55 gal drum

Date/Time sampled: 10/28/96 11:05 Analysis: 8010/8020 (3 voc's w/Hex); Oil & Grease (2.1L w/Hex)

Comments: _____

QA/QC: MW-3 DUP @ 11:05 as Eq. Blank Duplicate MS/MSD Split

Sampled By: JLEE

Environmental Sampling Services
 6680 Alhambra Ave. Martinez, CA 94553
 Tel/Fax: (510) 372-8108

**ATTACHMENT 3 -- Laboratory Analytical
Reports for Groundwater
Monitoring Events**

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
 AEN LAB NO: 9610374-01
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 11/02/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 11/02/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 11/02/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 11/02/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 11/02/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 11/02/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 11/02/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 11/02/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 11/02/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 11/02/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 11/02/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 11/02/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 11/02/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 11/02/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 11/02/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 11/02/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 11/02/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 11/02/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 11/02/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 11/02/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 11/02/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 11/02/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 11/02/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 11/02/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 11/02/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 11/02/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 11/02/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 11/02/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 11/02/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 11/02/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 11/02/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 11/02/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 11/02/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 11/02/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 11/02/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 11/02/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 11/02/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 11/02/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 11/02/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
AEN LAB NO: 96103/4-01
AEN WORK ORDER: 9610374
CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
DATE RECEIVED: 10/28/96
REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9610374-02
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 11/04/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 11/06/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 ug/L | | 11/04/96 |
| Bromoform | 75-25-2 | ND | 5 ug/L | | 11/04/96 |
| Bromomethane | 74-83-9 | ND | 20 ug/L | | 11/04/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 5 ug/L | | 11/04/96 |
| Chloroethane | 75-00-3 | ND | 20 ug/L | | 11/04/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 ug/L | | 11/04/96 |
| Chloroform | 67-66-3 | ND | 5 ug/L | | 11/04/96 |
| Chloromethane | 74-87-3 | ND | 20 ug/L | | 11/04/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 ug/L | | 11/04/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 ug/L | | 11/04/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 ug/L | | 11/04/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 ug/L | | 11/04/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 ug/L | | 11/04/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 22 * | 5 ug/L | | 11/04/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 ug/L | | 11/04/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 ug/L | | 11/04/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 ug/L | | 11/04/96 |
| Methylene Chloride | 75-09-2 | ND | 20 ug/L | | 11/04/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 ug/L | | 11/04/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 ug/L | | 11/04/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 ug/L | | 11/04/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 ug/L | | 11/04/96 |
| Trichloroethene | 79-01-6 | 730 * | 5 ug/L | | 11/04/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 ug/L | | 11/04/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 5 ug/L | | 11/04/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 ug/L | | 11/04/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 ug/L | | 11/04/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9610374-02
AEN WORK ORDER: 9610374
CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
DATE RECEIVED: 10/28/96
REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 11/04/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 11/04/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 11/04/96 |
| Xylenes, Total | 1330-20-7 | ND | 20 | ug/L | 11/04/96 |

ND - Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
 AEN LAB NO: 9610374-03
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 11/04/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 11/06/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 ug/L | | 11/04/96 |
| Bromotorm | 75-25-2 | ND | 5 ug/L | | 11/04/96 |
| Bromomethane | 74-83-9 | ND | 20 ug/L | | 11/04/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 5 ug/L | | 11/04/96 |
| Chloroethane | 75-00-3 | ND | 20 ug/L | | 11/04/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 ug/L | | 11/04/96 |
| Chloroform | 67-66-3 | ND | 5 ug/L | | 11/04/96 |
| Chloromethane | 74-87-3 | ND | 20 ug/L | | 11/04/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 ug/L | | 11/04/96 |
| 1,4-Dichlorobenzene | 106-45-7 | ND | 5 ug/L | | 11/04/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 ug/L | | 11/04/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 ug/L | | 11/04/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 ug/L | | 11/04/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 23 * | 5 ug/L | | 11/04/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichloropropane | 78 87 5 | ND | 5 ug/L | | 11/04/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 ug/L | | 11/04/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 ug/L | | 11/04/96 |
| Methylene Chloride | 75-09-2 | ND | 20 ug/L | | 11/04/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 ug/L | | 11/04/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 ug/L | | 11/04/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 ug/L | | 11/04/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 ug/L | | 11/04/96 |
| Trichloroethene | 79-01-6 | 770 * | 5 ug/L | | 11/04/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 ug/L | | 11/04/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 ug/L | | 11/04/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 ug/L | | 11/04/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 ug/L | | 11/04/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
AEN LAB NO: 9610374-03
AEN WORK ORDER: 9610374
CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
DATE RECEIVED: 10/28/96
REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 11/04/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 11/04/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 11/04/96 |
| Xylenes, Total | 1330-20-7 | ND | 20 | ug/L | 11/04/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9610374-04
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 11/04/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 | mg/L | 11/06/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 11/04/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 11/04/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 11/04/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 11/04/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 11/04/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 11/04/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 11/04/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 11/04/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 11/04/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 11/04/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 11/04/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 11/04/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 11/04/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 11/04/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 0.8 * | 0.5 | ug/L | 11/04/96 |
| trans-1,2-Dichloroethene | 156-60-5 | 1.5 * | 0.5 | ug/L | 11/04/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 11/04/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 11/04/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 11/04/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 11/04/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 11/04/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 11/04/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 11/04/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 11/04/96 |
| Trichloroethene | 79-01-6 | 16 * | 0.5 | ug/L | 11/04/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 11/04/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 11/04/96 |
| Vinyl Chloride | 75-01-2 | ND | 2 | ug/L | 11/04/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 11/04/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9610374-04
AEN WORK ORDER: 9610374
CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
DATE RECEIVED: 10/28/96
REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 11/04/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 11/04/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 11/04/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 11/04/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9610374-05
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: ORTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 11/04/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 11/06/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 ug/L | | 11/04/96 |
| Bromoform | 75-25-2 | ND | 0.5 ug/L | | 11/04/96 |
| Bromomethane | 74-83-9 | ND | 2 ug/L | | 11/04/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 11/04/96 |
| Chloroethane | 75-00-3 | ND | 2 ug/L | | 11/04/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 ug/L | | 11/04/96 |
| Chloroform | 67-66-3 | ND | 0.5 ug/L | | 11/04/96 |
| Chloromethane | 74-87-3 | ND | 2 ug/L | | 11/04/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 11/04/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 ug/L | | 11/04/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 ug/L | | 11/04/96 |
| 1,1-Dichloroethane | 75-34-3 | 4.1 * | 0.5 ug/L | | 11/04/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 ug/L | | 11/04/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 ug/L | | 11/04/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 15 * | 0.5 ug/L | | 11/04/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 ug/L | | 11/04/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 ug/L | | 11/04/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 ug/L | | 11/04/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 ug/L | | 11/04/96 |
| Methylene Chloride | 75-09-2 | ND | 2 ug/L | | 11/04/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 ug/L | | 11/04/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 ug/L | | 11/04/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 ug/L | | 11/04/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 ug/L | | 11/04/96 |
| Trichloroethene | 79-01-6 | 64 * | 0.5 ug/L | | 11/04/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 ug/L | | 11/04/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 ug/L | | 11/04/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 ug/L | | 11/04/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 ug/L | | 11/04/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 11/04/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 11/04/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 11/04/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
AEN LAB NO: 9610374-05
AEN WORK ORDER: 9610374
CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
DATE RECEIVED: 10/28/96
REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 11/04/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 11/04/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 11/04/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 11/04/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: S30 AIR STRIPR-SAMPLE PT 1
 AEN LAB NO: 9610374-06
 AEN WORK ORDER: 9610374
 CLIENT PROJ. ID: QRTLY/TREATMENT

DATE SAMPLED: 10/28/96
 DATE RECEIVED: 10/28/96
 REPORT DATE: 11/06/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 10/31/96 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 10/31/96 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 10/31/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 10/31/96 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 10/31/96 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 10/31/96 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 10/31/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 10/31/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 10/31/96 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 10/31/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 10/31/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 10/31/96 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 10/31/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 10/31/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 10/31/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 10/31/96 |
| 1,1-Dichloroethene | 75-35-4 | 18 * | 5 | ug/L | 10/31/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 10/31/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 10/31/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 10/31/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 10/31/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 10/31/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 10/31/96 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 10/31/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 10/31/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 10/31/96 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 10/31/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 10/31/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 10/31/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 10/31/96 |
| 1,1,1-Trichloroethane | 71-55-6 | 19 * | 5 | ug/L | 10/31/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 10/31/96 |
| Trichloroethene | 79-01-6 | 83 * | 5 | ug/L | 10/31/96 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 10/31/96 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 10/31/96 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 10/31/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

1. Client: Croce Valve & Regulator Co.
 Address: 1110 N. Airport Blvd
Stafford, TX 77477
 Contact: Mr. Bill Talbot
 Alt. Contact: _____

3410 Vincent Road, Pleasant Hill, CA 94523
 Phone (510) 930-9090
 FAX (510) 930-0256

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9610374
 Lab Destination: AEN Pleasant Hill
 Date Samples Shipped: 10/28/96
 Lab Contact: Robin Byars
 Date Results Required: Normal TAT
 Date Report Required: Normal TAT
 Client Phone No.: 800-847-1077 or (713) 568-3211
 Client FAX No.: (713) 568-1414

RISDH
K351

Address Report To: _____
 2* fax a copy of results to:
Environmental Management & Engineering, Inc.
Attention: Gene Gonsky
(202) 940-7701

Send notice to:
 a. same as #1

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: PB57254 Client Project I.D. No.: Quarterly Treatment

Sample Team Member (s) Environmental Smp. Services: Jack Lee

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type* | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | | | Comments / Hazards | | |
|------------|------------------------------|------------|---------------------|--------------|-------|--------------|---------------|----------|------------------|------|--|--|--|--|--------------------|--|--|
| | | | | | | | | 8010/100 | 0117/Graze (520) | 2240 | | | | | | | |
| 01A-B | TRIP BLANK | | 10/27/96 | 7 | HCl | 2 | 3-USE | X | | | | | | | | | |
| 02A-E | MW-3 | | 10/27/96 1105 | 7 | HCl | 5 | 3-USE | X | X | | | | | | | | per client 046 is 55200 - ggy 10-28-96 |
| 03A-E | MW-3 DUC | | 10/27/96 1105 | 7 | HCl | 5 | " | X | X | | | | | | | | |
| 04A-E | MW-2 | | 10/27/96 1140 | 7 | HCl | 5 | " | X | X | | | | | | | | |
| 05A-E | MW-1 | | 10/27/96 1240 | 7 | HCl | 5 | " | X | X | | | | | | | | |
| 06A-C | 30 fresh spec. Sample Port 1 | | 10/28/96 1323 | 7 | HCl | 3 | 3-USE | | | X | | | | | | | |

| | | | | | |
|---|----------------------|-------------------|---|----------------------|------------------|
| Relinquished by: (Signature) <u>[Signature]</u> | DATE <u>10/28/96</u> | TIME <u>14:49</u> | Received by: (Signature) <u>[Signature]</u> | DATE <u>10-28-96</u> | TIME <u>1449</u> |
| Relinquished by: (Signature) _____ | DATE _____ | TIME _____ | Received by: (Signature) _____ | DATE _____ | TIME _____ |
| Relinquished by: (Signature) _____ | DATE _____ | TIME _____ | Received by: (Signature) _____ | DATE _____ | TIME _____ |
| Method of Shipment _____ | | | Lab Comments _____ | | |

*Sample type (Specify): 1) 37mm 0.8 µm MCEFF 2) 25mm 0.8 µm MCEFF 3) 25mm 0.1 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____

F. 02. 13 FAX NO. 5109300256 AEN CALIFORNIA NOV-06-96 WED 15:03

AMERICAN ENVIRONMENTAL NETWORK (AEN)
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

FAX TRANSMISSION COVER

AEN FAX NO. (510) 930-0256

AEN PH NO. (510) 930-9090

DATE: 08/27/96

OF PAGES (Including cover) 12

REPLY REQUESTED? NO YES URGENT FAX / PHONE REPLY FYI

TO: Gene Gonsowlin
Environmental Mngt & Engr Inc

FROM: CLIENT SERVICES

AEN PROJ NO: 9607396

CLIENT PROJ ID: Emeryville CA

- FINAL RESULTS
- PARTIAL RESULTS
- PRELIMINARY RESULTS - subject to change pending further review and/or laboratory analysis

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRAVEL BLANK
 AEN LAB NO: 9607396-01
 AEN WORK ORDER: 9607396
 CLIENT PROJ. ID: EMERYVILLE,CA

DATE SAMPLED: 07/30/96
 DATE RECEIVED: 07/30/96
 REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 08/07/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 08/07/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 08/07/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 08/07/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 08/07/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 08/07/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 08/07/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 08/07/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 08/07/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 08/07/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 08/07/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 08/07/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 08/07/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 08/07/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 08/07/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 08/07/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 08/07/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 08/07/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 08/07/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 08/07/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 08/07/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 08/07/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 08/07/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 08/07/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 08/07/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 08/07/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 08/07/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 08/07/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 08/07/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 08/07/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 08/07/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 08/07/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 08/07/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 08/07/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 08/07/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 08/07/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 08/07/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 08/07/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 08/07/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRAVEL BLANK
AEN LAB NO: 9607396-01
AEN WORK ORDER: 9607396
CLIENT PROJ. ID: EMERYVILLE,CA

DATE SAMPLED: 07/30/96
DATE RECEIVED: 07/30/96
REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9607396-02
 AEN WORK ORDER: 9607396
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
 DATE RECEIVED: 07/30/96
 REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 08/02/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 08/05/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 10 ug/L | | 08/05/96 |
| Bromoform | 75-25-2 | ND | 10 ug/L | | 08/05/96 |
| Bromomethane | 74-83-9 | ND | 40 ug/L | | 08/05/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 10 ug/L | | 08/05/96 |
| Chlorobenzene | 108-90-7 | ND | 10 ug/L | | 08/05/96 |
| Chloroethane | 75-00-3 | ND | 40 ug/L | | 08/05/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 ug/L | | 08/05/96 |
| Chloroform | 67-66-3 | ND | 10 ug/L | | 08/05/96 |
| Chloromethane | 74-87-3 | ND | 40 ug/L | | 08/05/96 |
| Dibromochloromethane | 124-48-1 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 10 ug/L | | 08/05/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 10 ug/L | | 08/05/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 10 ug/L | | 08/05/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 40 ug/L | | 08/05/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 10 ug/L | | 08/05/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 10 ug/L | | 08/05/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 40 * | 10 ug/L | | 08/05/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 10 ug/L | | 08/05/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 10 ug/L | | 08/05/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 10 ug/L | | 08/05/96 |
| Methylene Chloride | 75-09-2 | ND | 40 ug/L | | 08/05/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 10 ug/L | | 08/05/96 |
| Tetrachloroethene | 127-18-4 | ND | 10 ug/L | | 08/05/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 10 ug/L | | 08/05/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 10 ug/L | | 08/05/96 |
| Trichloroethene | 79-01-6 | 810 * | 10 ug/L | | 08/05/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 40 ug/L | | 08/05/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 10 ug/L | | 08/05/96 |
| Vinyl Chloride | 75-01-4 | ND | 40 ug/L | | 08/05/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 10 ug/L | | 08/05/96 |
| Chlorobenzene | 108-90-7 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 10 ug/L | | 08/05/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 10 ug/L | | 08/05/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9607396-02
AEN WORK ORDER: 9607396
CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
DATE RECEIVED: 07/30/96
REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 10 | ug/L | 08/05/96 |
| Ethylbenzene | 100-41-4 | ND | 10 | ug/L | 08/05/96 |
| Toluene | 108-88-3 | ND | 10 | ug/L | 08/05/96 |
| Xylenes, Total | 1330-20-7 | ND | 40 | ug/L | 08/05/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
 AEN LAB NO: 9607396-03
 AEN WORK ORDER: 9607396
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
 DATE RECEIVED: 07/30/96
 REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for D&G | IR | - | | Extrn Date | 08/02/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 08/05/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 10 ug/L | | 08/05/96 |
| Bromoform | 75-25-2 | ND | 10 ug/L | | 08/05/96 |
| Bromomethane | 74-83-9 | ND | 40 ug/L | | 08/05/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 10 ug/L | | 08/05/96 |
| Chlorobenzene | 108-90-7 | ND | 10 ug/L | | 08/05/96 |
| Chloroethane | 75-00-3 | ND | 40 ug/L | | 08/05/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 ug/L | | 08/05/96 |
| Chloroform | 67-66-3 | ND | 10 ug/L | | 08/05/96 |
| Chloromethane | 74-87-3 | ND | 40 ug/L | | 08/05/96 |
| Dibromochloromethane | 124-48-1 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 10 ug/L | | 08/05/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 10 ug/L | | 08/05/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 10 ug/L | | 08/05/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 40 ug/L | | 08/05/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 10 ug/L | | 08/05/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 10 ug/L | | 08/05/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 40 * | 10 ug/L | | 08/05/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 10 ug/L | | 08/05/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 10 ug/L | | 08/05/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 10 ug/L | | 08/05/96 |
| Methylene Chloride | 75-09-2 | ND | 40 ug/L | | 08/05/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 10 ug/L | | 08/05/96 |
| Tetrachloroethene | 127-18-4 | ND | 10 ug/L | | 08/05/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 10 ug/L | | 08/05/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 10 ug/L | | 08/05/96 |
| Trichloroethene | 79-01-6 | 710 * | 10 ug/L | | 08/05/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 40 ug/L | | 08/05/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 10 ug/L | | 08/05/96 |
| Vinyl Chloride | 75-01-4 | ND | 40 ug/L | | 08/05/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 10 ug/L | | 08/05/96 |
| Chlorobenzene | 108-90-7 | ND | 10 ug/L | | 08/05/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 10 ug/L | | 08/05/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 10 ug/L | | 08/05/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
AEN LAB NO: 9607396-03
AEN WORK ORDER: 9607396
CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
DATE RECEIVED: 07/30/96
REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 10 | ug/L | 08/05/96 |
| Ethylbenzene | 100-41-4 | ND | 10 | ug/L | 08/05/96 |
| Toluene | 108-88-3 | ND | 10 | ug/L | 08/05/96 |
| Xylenes, Total | 1330-20-7 | ND | 40 | ug/L | 08/05/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9607396.04
 AEN WORK ORDER: 9607396
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
 DATE RECEIVED: 07/30/96
 REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 08/02/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 08/05/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 ug/L | | 08/03/96 |
| Bromoform | 75-25-2 | ND | 0.5 ug/L | | 08/03/96 |
| Bromomethane | 74-83-9 | ND | 2 ug/L | | 08/03/96 |
| Carbon tetrachloride | 56-23-5 | ND | 0.5 ug/L | | 08/03/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 08/03/96 |
| Chloroethane | 75-00-3 | ND | 2 ug/L | | 08/03/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 ug/L | | 08/03/96 |
| Chloroform | 67-66-3 | ND | 0.5 ug/L | | 08/03/96 |
| Chloromethane | 74 97-3 | ND | 2 ug/L | | 08/03/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 ug/L | | 08/03/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 ug/L | | 08/03/96 |
| 1,1-Dichloroethane | 75-34-3 | 3.3 * | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 ug/L | | 08/03/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 1.8 * | 0.5 ug/L | | 08/03/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 ug/L | | 08/03/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 ug/L | | 08/03/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 ug/L | | 08/03/96 |
| Methylene Chloride | 75-09-2 | ND | 2 ug/L | | 08/03/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 ug/L | | 08/03/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 ug/L | | 08/03/96 |
| Trichloroethene | 79-01-6 | 12 * | 0.5 ug/L | | 08/03/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 ug/L | | 08/03/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 ug/L | | 08/03/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 ug/L | | 08/03/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 ug/L | | 08/03/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 08/03/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9607396-04
AEN WORK ORDER: 9607396
CLIENT PROJ. ID: EMERYVILLE,CA

DATE SAMPLED: 07/30/96
DATE RECEIVED: 07/30/96
REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 ug/L | | 08/03/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 ug/L | | 08/03/96 |
| Toluene | 108-88-3 | ND | 0.5 ug/L | | 08/03/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 ug/L | | 08/03/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9607396-05
 AEN WORK ORDER: 9607396
 CLIENT PROJ. ID: EMERYVILLE,CA

DATE SAMPLED: 07/30/96
 DATE RECEIVED: 07/30/96
 REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 08/02/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 08/05/96 |
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 ug/L | | 08/03/96 |
| Bromoform | 75-25-2 | ND | 0.5 ug/L | | 08/03/96 |
| Bromomethane | 74-83-9 | ND | 2 ug/L | | 08/03/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 ug/L | | 08/03/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 08/03/96 |
| Chloroethane | 75-00-3 | ND | 2 ug/L | | 08/03/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 ug/L | | 08/03/96 |
| Chloroform | 67-66-3 | ND | 0.5 ug/L | | 08/03/96 |
| Chloromethane | 74-87-3 | ND | 2 ug/L | | 08/03/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 ug/L | | 08/03/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 ug/L | | 08/03/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 ug/L | | 08/03/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 15 * | 0.5 ug/L | | 08/03/96 |
| trans-1,2-Dichloroethene | 156-60-5 | 5.3 * | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 ug/L | | 08/03/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 ug/L | | 08/03/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 ug/L | | 08/03/96 |
| Methylene Chloride | 75-09-2 | ND | 2 ug/L | | 08/03/96 |
| 1,1,2,2-tetrachloroethane | 79-34-5 | ND | 0.5 ug/L | | 08/03/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 ug/L | | 08/03/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 ug/L | | 08/03/96 |
| Trichloroethene | 79-01-6 | 60 * | 0.5 ug/L | | 08/03/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 ug/L | | 08/03/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 ug/L | | 08/03/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 ug/l | | 08/03/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 ug/L | | 08/03/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 ug/L | | 08/03/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 ug/L | | 08/03/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 ug/L | | 08/03/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
AEN LAB NO: 9607396-05
AEN WORK ORDER: 9607396
CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 07/30/96
DATE RECEIVED: 07/30/96
REPORT DATE: 08/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|-------|------------------|
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 ug/L | | 08/03/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 ug/L | | 08/03/96 |
| Toluene | 108-88-3 | ND | 0.5 ug/L | | 08/03/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 ug/L | | 08/03/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 1113-

PAGE 1

GROVE VALVE & REGULATOR CO.
11100 WEST AIRPORT BLVD.
STAFFORD, TX 77477-3014

REPORT DATE: 05/09/96

DATE(S) SAMPLED: 04/29/96

DATE RECEIVED: 04/29/96

ATTN: BILL TALLENT
CLIENT PROJ. ID: EMERYVILLE, CA

AEN WORK ORDER: 9604410

P.O. NUMBER: PB 60146

PROJECT SUMMARY:

On April 29, 1996, this laboratory received 4 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

William L. Klein, for
Larry Klein
Laboratory Director

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9604410-01
 AEN WORK ORDER: 9604410
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 04/29/96
 DATE RECEIVED: 04/29/96
 REPORT DATE: 05/09/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 05/07/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 05/07/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
 AEN LAB NO: 9604410-02
 AEN WORK ORDER: 9604410
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 04/29/96
 DATE RECEIVED: 04/29/96
 REPORT DATE: 05/09/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 05/07/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 05/07/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9604410-03
AEN WORK ORDER: 9604410
CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 04/29/96
DATE RECEIVED: 04/29/96
REPORT DATE: 05/09/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 05/07/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 05/07/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9604410-04
 AEN WORK ORDER: 9604410
 CLIENT PROJ. ID: EMERYVILLE, CA

DATE SAMPLED: 04/29/96
 DATE RECEIVED: 04/29/96
 REPORT DATE: 05/09/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------|-----------------|--------|--------------------|------------|------------------|
| #Water Extrn for O&G | IR | - | | Extrn Date | 05/07/96 |
| Oil & Grease (IR) | SM 5520C | ND | 0.5 mg/L | | 05/07/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9604410
CLIENT PROJECT ID: EMERYVILLE, CA

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spikes(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analyses.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behaviour, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrument performance.

D: Surrogates diluted out.

!: Indicates result outside of established laboratory QC limits.

WORK ORDER: 9604410

QUALITY CONTROL REPORT

PAGE QR-2

ANALYSIS: Oil & Grease (IR)

MATRIX: Water

METHOD BLANK SAMPLES

| | | | | | |
|---------------------------------------|--|---------------------|--|--------------------------------|--|
| SAMPLE TYPE: Blank-Method/Media blank | | LAB ID: BLNK-0507-1 | | INSTR RUN: IR\960503000000/15/ | |
| INSTRUMENT: IR Spectrophotometer | | PREPARED: 05/07/96 | | BATCH ID: IRW050396-1 | |
| UNITS: mg/L | | ANALYZED: 05/07/96 | | DILUTION: 1.000000 | |
| METHOD: SM 5520C | | | | | |

| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) | REC LIMITS (%) | | RPD (%) | RPD LIMIT (%) |
|-----------|--------|------------|-----------------|-------------|--------------|----------------|------|---------|---------------|
| | | | | | | LOW | HIGH | | |
| Motor Oil | ND | | 0.5 | | | | | | |

METHOD SPIKE SAMPLES

| | | | | | |
|---------------------------------------|--|---------------------|--|----------------------------------|--|
| SAMPLE TYPE: Laboratory Control Spike | | LAB ID: LCSW-0507-1 | | INSTR RUN: IR\960503000000/16/15 | |
| INSTRUMENT: IR Spectrophotometer | | PREPARED: 05/07/96 | | BATCH ID: IRW050396-1 | |
| UNITS: mg/L | | ANALYZED: 05/07/96 | | DILUTION: 1.000000 | |
| METHOD: SM 5520C | | | | | |

| ANALYTE | RESULT | REF RESULT | REPORTING LIMIT | SPIKE VALUE | RECOVERY (%) | REC LIMITS (%) | | RPD (%) | RPD LIMIT (%) |
|-----------|--------|------------|-----------------|-------------|--------------|----------------|------|---------|---------------|
| | | | | | | LOW | HIGH | | |
| Motor Oil | 6.04 | ND | 0.5 | 5.89 | 103 | 80 | 109 | | |

----- End of Quality Control Report -----

Reporting Information:

1. Client: Grave Value and Regulator Co.
 Address: 1100 W. Airport Blvd.
Stafford TX 77477-2014
 Contact: Bill Tallent
 Alt. Contact: _____

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
 Phone (510) 930-9090
 FAX (510) 930-0256

AEN

R-15-0 Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9604410
 Lab Destination: AEN Pleasant Hill
 Date Samples Shipped: 4/29/96
 Lab Contact: Robin Byers
 Date Results Required: 5/7/96 STANDARD TURNAROUND (7 Days)
 Date Report Required: _____
 Client Phone No.: (713) 568-2211
 Client FAX No.: (713) 568-1414

Address Report To:

2. Fax Results TO:
Environmental Mgmt and Engineering, Inc.
Attn: Gene Gonsoulin, C.
(205) 940-7701

Send Invoice To:

3. Same as #1

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: PB60146 Client Project I.D. No.: Emeryville, CA Facility

Sample Team Member (s) S. Penon / J. Lee (Environmental Sampling Services)

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type* | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | | | | | | Comments / Hazards | | |
|------------|------------------------------|------------|---------------------|--------------|-------|--------------|---------------|----------|---|---|---|---|---|---|---|---|----|--------------------|----|----|
| | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 |
| 01AB | MW-3 | | 4/29/96 12:00 | 7 | HCl | 2 | 3 Liters | X | | | | | | | | | | | | |
| 02AB | MW-3 Dup | | 4/29/96 12:00 | 7 | HCl | 2 | 3 Liters | X | | | | | | | | | | | | |
| 03AB | MW-2 | | 4/29/96 12:20 | 7 | HCl | 2 | 3 Liters | X | | | | | | | | | | | | |
| 04AB | MW-1 | | 4/29/96 13:20 | 7 | HCl | 2 | 3 Liters | X | | | | | | | | | | | | |

Relinquished by: [Signature] DATE 4-29-96 TIME 14:45
 Relinquished by: (Signature) _____ DATE _____ TIME _____
 Relinquished by: (Signature) _____ DATE _____ TIME _____

Received by: [Signature] DATE 4-29-96 TIME 1445
 Received by: (Signature) _____ DATE _____ TIME _____
 Received by: (Signature) _____ DATE _____ TIME _____

Method of Shipment: _____ Lab Comments: _____

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25µm 0.4 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____

DRS-95-E942

AMERICAN ENVIRONMENTAL NETWORK (AEN)

Job Number DRS-95-E94

Job Description _____

File Name Analytical

Document Name _____

FAX TRANSMISSION COVER

AMERICAN ENVIRONMENTAL NETWORK
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

FAX NO: (510) 930-0256

PH. NO: (510) 930-9090

DATE: 04/22/96

OF PAGES (Including cover) 12

REPLY REQUESTED: NO YES URGENT FAX REPLY
(circle request) PHONE REPLY FYI

TO: Bill Tallent / Gene Consolin
Grove Valve / Env't. Mgt. & Engr. Inc.

AEN PROJ. NO: 960416Z

CLIENT PROJ. ID: 750146

FROM: CLIENT SERVICES

- FINAL RESULTS
- PARTIAL RESULTS
- PRELIMINARY RESULTS, subject to change pending further review and/or laboratory analysis

| | | |
|-----------|----------|----|
| O&G Wells | MW-3 | ND |
| | MW-3 Dup | ND |
| | MW-2 | ND |
| | MW-1 | ND |

Sup results ready ~ tomorrow

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9604167-05
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CASE# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|--------------------------------|------------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/20/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/20/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/20/96 |
| Carbon Tetrachloride | 56 23 5 | ND | 0.5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/20/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/20/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/20/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/20/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/20/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/20/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/20/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/20/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 12 * | 0.5 | ug/L | 04/20/96 |
| trans-1,2-Dichloroethene | 156-60-5 | 4.1 * | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/20/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/20/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/20/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/20/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/20/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/20/96 |
| Trichloroethene | 79-01-6 | 43 * | 0.5 | ug/L | 04/20/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/20/96 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/20/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/20/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/20/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 04/20/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 04/20/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 04/20/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
AEN LAB NO: 9604167-05
AEN WORK ORDER: 9604167
CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
DATE RECEIVED: 04/11/96
REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9604167-02
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/20/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/20/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/20/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/20/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/20/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/20/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/20/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/20/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/20/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/20/96 |
| 1,1-Dichloroethane | 75-34-3 | 3.2 * | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/20/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 1.2 * | 0.5 | ug/L | 04/20/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/20/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/20/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/20/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/20/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/20/96 |
| Tetrachloroethene | 127 18-4 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/20/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/20/96 |
| Trichloroethene | 79-01-6 | 6.7 * | 0.5 | ug/L | 04/20/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/20/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/20/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/20/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/20/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 04/20/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 04/20/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 04/20/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9604167-02
AEN WORK ORDER: 9604167
CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
DATE RECEIVED: 04/11/96
REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9604167-03
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 04/20/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 04/20/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/L | 04/20/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 04/20/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/L | 04/20/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/L | 04/20/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 04/20/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/L | 04/20/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 04/20/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/L | 04/20/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 04/20/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 04/20/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 34 * | 5 | ug/L | 04/20/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 04/20/96 |
| cis-1,3-Dichloropropene | 10061 01 5 | ND | 5 | ug/L | 04/20/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 04/20/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 04/20/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 04/20/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 04/20/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 04/20/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 04/20/96 |
| Trichloroethene | 79-01-6 | 720 * | 5 | ug/L | 04/20/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/L | 04/20/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/L | 04/20/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/L | 04/20/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 04/20/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 04/20/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 04/20/96 |
| Xylenes, Total | 1330-20-7 | ND | 20 | ug/L | 04/20/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9604167-03
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
 AEN LAB NO: 9604167-04
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 04/20/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 04/20/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/L | 04/20/96 |
| Carbon Tetrachloride | 56-73-5 | ND | 5 | ug/L | 04/20/96 |
| Chlorobenzene | 108 90 7 | ND | 5 | ug/L | 04/20/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/L | 04/20/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/L | 04/20/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 04/20/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/L | 04/20/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/L | 04/20/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 04/20/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/L | 04/20/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 04/20/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 04/20/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 36 * | 5 | ug/L | 04/20/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 04/20/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 04/20/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 04/20/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 04/20/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 04/20/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 04/20/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 04/20/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 04/20/96 |
| Trichloroethene | 79-01-6 | 770 * | 5 | ug/L | 04/20/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/L | 04/20/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/L | 04/20/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/L | 04/20/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 | ug/L | 04/20/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 04/20/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/L | 04/20/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/L | 04/20/96 |
| 1,4 Dichlorobenzene | 106-46-7 | ND | 5 | ug/L | 04/20/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 04/20/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 04/20/96 |
| Xylenes, Total | 1330-20-7 | ND | 20 | ug/L | 04/20/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
AEN LAB NO: 9604167.04
AEN WORK ORDER: 9604167
CLIENT PROJ. ID: PB0146

DATE SAMPLED: 04/11/96
DATE RECEIVED: 04/11/96
REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRAVEL BLANK
 AEN LAB NO: 9604167-01
 AEN WORK ORDER: 9604167
 CLIENT PROJ. ID: PB0146

DATE SAMPLED: 03/21/96
 DATE RECEIVED: 04/11/96
 REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/19/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/19/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/l | 04/19/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/19/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/19/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/19/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/19/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/19/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/19/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/19/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/19/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/19/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/19/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/19/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/19/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/19/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/19/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/19/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/19/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/19/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/19/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/19/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/19/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/19/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/19/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/19/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/19/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/19/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/19/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/19/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/19/96 |
| EPA 8020 - Water matrix | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 04/19/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/19/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/19/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/19/96 |
| 1,4 Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/19/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 04/19/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 04/19/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 04/19/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRAVEL BLANK
AEN LAB NO: 9604167-01
AEN WORK ORDER: 9604167
CLIENT PROJ. ID: PB0146

DATE SAMPLED: 03/21/96
DATE RECEIVED: 04/11/96
REPORT DATE: 04/22/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

1. Client: Grave Valve and Regulator Co.
 Address: 1100 W. Airport Blvd.
Stafford, Texas 77477
 Contact: Bill Tallent
 Alt. Contact: _____

3440 Vincent Road, Pleasant Hill, CA 94523
 Phone (510) 930-9090
 FAX (510) 930-0256

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 96041167
 Lab Destination: AEN Pleasant Hill
 Date Samples Shipped: 4/11/96
 Lab Contact: Robin Byers
 Date Results Required: 4/22/96 Normal Turnaround 7 Days
 Date Report Required: _____
 Client Phone No.: (800) 847-1099 or (713) 568-2211
 Client FAX No.: (713) 568-1481

Address Report To:

* Also for a copy of results to:
 Environmental Mgmt. and Engineering Inc.
 Attention: Gene Gonsoulin
 (206) 940-7701

Send Invoice To:

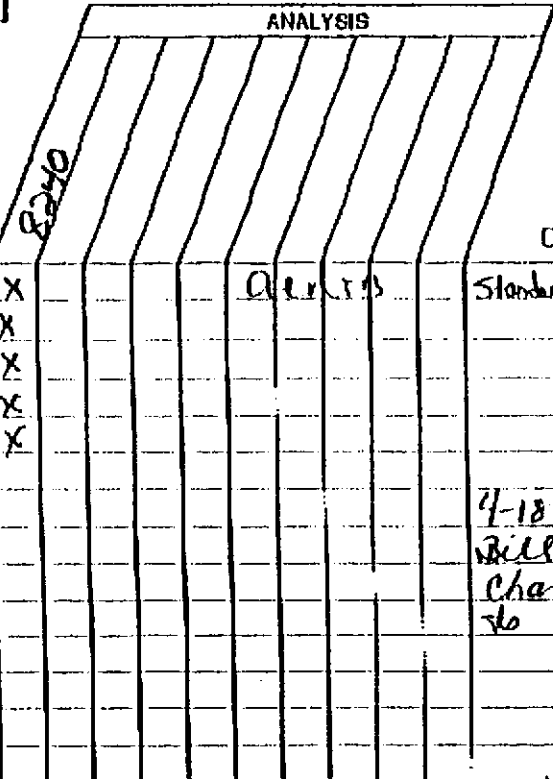
3. Same as #1

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: PB60146 Client Project I.D. No.: Emeryville, CA

Sample Team Member (s) Jacki Lee / Olive Penman

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type* | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | Comments / Hazards | | |
|------------|------------------------------|------------|---------------------|--------------|-------|--------------|---------------|----------|--|--|--|--|--------------------|--|------------------------------|
| 01AB | Travel Blank | | 4/16 1015 | 7 | HCl | 2 | VOC | X | | | | | | | Standard Turnaround - 7 Days |
| 02A-C | MW-2 | | 4/16 1315 | 7 | HCl | 3 | VOC | X | | | | | | | |
| 03A-C | MW-3 | | 4/16 1415 | 7 | HCl | 3 | VOC | X | | | | | | | |
| 04A-C | MW-3 DUPLICATE | | 4/16 1415 | 7 | HCl | 3 | VOC | X | | | | | | | |
| 05A-C | MW-1 | | 4/16 1550 | 7 | HCl | 3 | VOC | X | | | | | | | |



| | | | | | |
|---|---------------------|------------------|---|---------------------|------------------|
| Relinquished by: (Signature) <u>[Signature]</u> | DATE <u>4/11/96</u> | TIME <u>1802</u> | Received by: (Signature) <u>[Signature]</u> | DATE <u>4/11/96</u> | TIME <u>1802</u> |
| Relinquished by: (Signature) _____ | DATE _____ | TIME _____ | Received by: (Signature) _____ | DATE _____ | TIME _____ |
| Relinquished by: (Signature) _____ | DATE _____ | TIME _____ | Received by: (Signature) _____ | DATE _____ | TIME _____ |
| Method of Shipment _____ | | | Lab Comments _____ | | |

* Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Blank Sample
 10) Other _____ 11) Oil or _____

American Environmental Network

Certificate of Analysis

AIHA Accreditation: 11134

OHS Certification: 1172

PAGE 1

GROVE VALVE & REGULATOR CO.
6529 HOLLIS STREET
EMERYVILLE, CA 94608

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

P.O. NUMBER: PB60146

REPORT DATE: 01/19/96

DATE(S) SAMPLED: 01/09/96

DATE RECEIVED: 01/09/96

AEN WORK ORDER: 9601076

PROJECT SUMMARY:

On January 9, 1996, this laboratory received 5 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9601076-01
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 01/13/96 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 01/13/96 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 01/13/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 01/13/96 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 01/13/96 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 01/13/96 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 01/13/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 01/13/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 01/13/96 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 01/13/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 01/13/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 01/13/96 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 01/13/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 01/13/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 01/13/96 |
| cis-1,2-Dichloroethene | 156-59-2 | 16 * | 5 | ug/L | 01/13/96 |
| trans-1,2-Dichloroethene | 156-60-5 | 7 * | 5 | ug/L | 01/13/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 01/13/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 01/13/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 01/13/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 01/13/96 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 01/13/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 01/13/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 01/13/96 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 01/13/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 01/13/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 01/13/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 01/13/96 |
| Trichloroethene | 79-01-6 | 61 * | 5 | ug/L | 01/13/96 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 01/13/96 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 01/13/96 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 01/13/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9601076-02
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 01/12/96 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 01/12/96 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 01/12/96 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 01/12/96 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 01/12/96 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 01/12/96 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 01/12/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 01/12/96 |
| Chlorobenzene | 108-90-7 | ND | 50 | ug/L | 01/12/96 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 01/12/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 01/12/96 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 01/12/96 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 01/12/96 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 01/12/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 01/12/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 01/12/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 01/12/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 01/12/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 01/12/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 01/12/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 01/12/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 01/12/96 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 01/12/96 |
| 2-Hexanone | 591-78-6 | ND | 500 | ug/L | 01/12/96 |
| Methylene Chloride | 75-09-2 | ND | 200 | ug/L | 01/12/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 500 | ug/L | 01/12/96 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 01/12/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 01/12/96 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 01/12/96 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 01/12/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 01/12/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 01/12/96 |
| Trichloroethene | 79-01-6 | 1.400 * | 50 | ug/L | 01/12/96 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 01/12/96 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 01/12/96 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 01/12/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9601076-02
AEN WORK ORDER: 9601076
CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
DATE RECEIVED: 01/09/96
REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
 AEN LAB NO: 9601076-03
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 01/16/96 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 01/16/96 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 01/16/96 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 01/16/96 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 01/16/96 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 01/16/96 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 01/16/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 01/16/96 |
| Chlorobenzene | 108-90-7 | ND | 50 | ug/L | 01/16/96 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 01/16/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 01/16/96 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 01/16/96 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 01/16/96 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 01/16/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 01/16/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 01/16/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 01/16/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 01/16/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 01/16/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 01/16/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 01/16/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 01/16/96 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 01/16/96 |
| 2-Hexanone | 591-78-6 | ND | 500 | ug/L | 01/16/96 |
| Methylene Chloride | 75-09-2 | ND | 200 | ug/L | 01/16/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 500 | ug/L | 01/16/96 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 01/16/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 01/16/96 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 01/16/96 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 01/16/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 01/16/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 01/16/96 |
| Trichloroethene | 79-01-6 | 1.100 * | 50 | ug/L | 01/16/96 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 01/16/96 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 01/16/96 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 01/16/96 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
 AEN LAB NO: 9601076-03
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9601076-04
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 01/13/96 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 01/13/96 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 01/13/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 01/13/96 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 01/13/96 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 01/13/96 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 01/13/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 01/13/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 01/13/96 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 01/13/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 01/13/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 01/13/96 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 01/13/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 01/13/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 01/13/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 01/13/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 01/13/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 01/13/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 01/13/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 01/13/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 01/13/96 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 01/13/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 01/13/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 01/13/96 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 01/13/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 01/13/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 01/13/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 01/13/96 |
| Trichloroethene | 79-01-6 | 7 * | 5 | ug/L | 01/13/96 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 01/13/96 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 01/13/96 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 01/13/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRAVEL BLANK
 AEN LAB NO: 9601076-05
 AEN WORK ORDER: 9601076
 CLIENT PROJ. ID: -

DATE SAMPLED: 01/09/96
 DATE RECEIVED: 01/09/96
 REPORT DATE: 01/19/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 01/13/96 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 01/13/96 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 01/13/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 01/13/96 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 01/13/96 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 01/13/96 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 01/13/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 01/13/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 01/13/96 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 01/13/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 01/13/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 01/13/96 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 01/13/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 01/13/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 01/13/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 01/13/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 01/13/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 01/13/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 01/13/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 01/13/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 01/13/96 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 01/13/96 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 01/13/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 01/13/96 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 01/13/96 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 01/13/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 01/13/96 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 01/13/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 01/13/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 01/13/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 01/13/96 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 01/13/96 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 01/13/96 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 01/13/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9601076

CLIENT PROJECT ID: -

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9601076
 INSTRUMENT: 13
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | |
|---------------|--------------|---------|-----------------------------------|------------------------|----------------------|
| | | | 1,2-Dichloroethane-d ₄ | Toluene-d ₈ | p-Bromofluorobenzene |
| 01/13/96 | MW-1 | 01 | 98 | 99 | 91 |
| 01/12/96 | MW-3 | 02 | 101 | 91 | 87 |
| 01/16/96 | MW-3 DUP | 03 | 110 | 96 | 95 |
| 01/13/96 | MW-2 | 04 | 86 | 96 | 91 |
| 01/13/96 | TRAVEL BLANK | 05 | 99 | 96 | 89 |
| QC Limits: | | | 76-114 | 88-110 | 86-115 |

DATE ANALYZED: 01/05/96
 SAMPLE SPIKED: 9512290-07
 INSTRUMENT: 13

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 84 | 20 | 59-155 | 25 |
| Trichloroethene | 50 | 93 | 15 | 71-157 | 25 |
| Benzene | 50 | 127 | 4 | 37-151 | 25 |
| Toluene | 50 | 99 | 2 | 47-150 | 25 |
| Chlorobenzene | 50 | 98 | 1 | 37-160 | 25 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

American Environmental Network

Environmental Analysis

DOHS Certification: 1172

AIHA Accreditation: 1114

PAGE 1

GROVE VALVE & REGULATOR CO.
11100 WEST AIRPORT BLVD.
STAFFORD, TX 77477-3014

REPORT DATE: 12/01/95

DATE(S) SAMPLED: 11/16/95-11/17/95

DATE RECEIVED: 11/17/95

AEN WORK ORDER: 9511290

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

P.O. NUMBER: PB60146


PROJECT SUMMARY:

On November 17, 1995, this laboratory received 5 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
 AEN LAB NO: 9511290-01
 AEN WORK ORDER: 9511290
 CLIENT PROJ. ID: -

DATE SAMPLED: 11/16/95
 DATE RECEIVED: 11/17/95
 REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 11/29/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 11/29/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 11/29/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 11/29/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 11/29/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 11/29/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 11/29/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 11/29/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 11/29/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 11/29/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 11/29/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 11/29/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 11/29/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 11/29/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 11/29/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 11/29/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 11/29/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 11/29/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 11/29/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 11/29/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 11/29/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 11/29/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 11/29/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 11/29/95 |
| Styrene | 100-42-5- | ND | 5 | ug/L | 11/29/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 11/29/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 11/29/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 11/29/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 11/29/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 11/29/95 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 11/29/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 11/29/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 11/29/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 11/29/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9511290-02
 AEN WORK ORDER: 9511290
 CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
 DATE RECEIVED: 11/17/95
 REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds EPA 8240 | | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 11/29/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 11/29/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 11/29/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 11/29/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 11/29/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 11/29/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 11/29/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 11/29/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 11/29/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 11/29/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 11/29/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 11/29/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 11/29/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 11/29/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 11/29/95 |
| cis-1,2-Dichloroethene | 156-59-2 | 18 * | 5 | ug/L | 11/29/95 |
| trans-1,2-Dichloroethene | 156-60-5 | 7 * | 5 | ug/L | 11/29/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 11/29/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 11/29/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 11/29/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 11/29/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 11/29/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 11/29/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 11/29/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 11/29/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 11/29/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 11/29/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 11/29/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 11/29/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 11/29/95 |
| Trichloroethene | 79-01-6 | 61 * | 5 | ug/L | 11/29/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 11/29/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 11/29/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 11/29/95 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9511290-03
 AEN WORK ORDER: 9511290
 CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
 DATE RECEIVED: 11/17/95
 REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 11/29/95 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 11/29/95 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 11/29/95 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 11/29/95 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 11/29/95 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 11/29/95 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 11/29/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 11/29/95 |
| Chlorobenzene | 108-90-7 | ND | 50 | ug/L | 11/29/95 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 11/29/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 11/29/95 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 11/29/95 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 11/29/95 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 11/29/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 11/29/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 11/29/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 11/29/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 11/29/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 11/29/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 11/29/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 11/29/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 11/29/95 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 11/29/95 |
| 2-Hexanone | 591-78-6 | ND | 500 | ug/L | 11/29/95 |
| Methylene Chloride | 75-09-2 | ND | 200 | ug/L | 11/29/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 500 | ug/L | 11/29/95 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 11/29/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 11/29/95 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 11/29/95 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 11/29/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 11/29/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 11/29/95 |
| Trichloroethene | 79-01-6 | 1.400 * | 50 | ug/L | 11/29/95 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 11/29/95 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 11/29/95 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 11/29/95 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9511290-03
AEN WORK ORDER: 9511290
CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
DATE RECEIVED: 11/17/95
REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
 AEN LAB NO: 9511290-04
 AEN WORK ORDER: 9511290
 CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
 DATE RECEIVED: 11/17/95
 REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 11/29/95 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 11/29/95 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 11/29/95 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 11/29/95 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 11/29/95 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 11/29/95 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 11/29/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 11/29/95 |
| Chlorobenzene | 108-90-7 | ND | 50 | ug/L | 11/29/95 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 11/29/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 11/29/95 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 11/29/95 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 11/29/95 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 11/29/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 11/29/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 11/29/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 11/29/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 11/29/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 11/29/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 11/29/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 11/29/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 11/29/95 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 11/29/95 |
| 2-Hexanone | 591-78-6 | ND | 500 | ug/L | 11/29/95 |
| Methylene Chloride | 75-09-2 | ND | 200 | ug/L | 11/29/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 500 | ug/L | 11/29/95 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 11/29/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 11/29/95 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 11/29/95 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 11/29/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 11/29/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 11/29/95 |
| Trichloroethene | 79-01-6 | 1.200 * | 50 | ug/L | 11/29/95 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 11/29/95 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 11/29/95 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 11/29/95 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUPLICATE
AEN LAB NO: 9511290-04
AEN WORK ORDER: 9511290
CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
DATE RECEIVED: 11/17/95
REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9511290-05
 AEN WORK ORDER: 9511290
 CLIENT PROJ. ID: -

DATE SAMPLED: 11/17/95
 DATE RECEIVED: 11/17/95
 REPORT DATE: 12/01/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 11/29/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 11/29/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 11/29/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 11/29/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 11/29/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 11/29/95 |
| Carbon Disulfide | 75-15-0 | 30 * | 10 | ug/L | 11/29/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 11/29/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 11/29/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 11/29/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 11/29/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 11/29/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 11/29/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 11/29/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 11/29/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 11/29/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 11/29/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 11/29/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 11/29/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 11/29/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 11/29/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 11/29/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 11/29/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 11/29/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 11/29/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 11/29/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 11/29/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 11/29/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 11/29/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 11/29/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 11/29/95 |
| Trichloroethene | 79-01-6 | 5 * | 5 | ug/L | 11/29/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 11/29/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 11/29/95 |
| Xylenes. Total | 1330-20-7 | ND | 10 | ug/L | 11/29/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9511290

CLIENT PROJECT ID: -

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9511290
 INSTRUMENT: 12
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | |
|---------------|----------------|---------|-----------------------------------|------------------------|----------------------|
| | | | 1,2-Dichloroethane-d ₄ | Toluene-d ₈ | p-Bromofluorobenzene |
| 11/29/95 | TRIP BLANK | 01 | 104 | 97 | 92 |
| 11/29/95 | MW-1 | 02 | 105 | 91 | 89 |
| 11/29/95 | MW-3 | 03 | 110 | 90 | 90 |
| 11/29/95 | MW-3 DUPLICATE | 04 | 106 | 90 | 90 |
| 11/29/95 | MW-2 | 05 | 109 | 92 | 99 |
| QC Limits: | | | 76-114 | 88-110 | 86-115 |

DATE ANALYZED: 11/22/95
 SAMPLE SPIKED: 9511255-03
 INSTRUMENT: 12

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 104 | 4 | 59-155 | 25 |
| Trichloroethene | 50 | 106 | 8 | 71-157 | 25 |
| Benzene | 50 | 99 | 6 | 37-151 | 25 |
| Toluene | 50 | 99 | <1 | 47-150 | 25 |
| Chlorobenzene | 50 | 100 | 2 | 37-160 | 25 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

GROVE VALVE & REGULATOR CO.
6529 HOLLIS STREET
EMERYVILLE, CA 94608

REPORT DATE: 09/26/95
DATE(S) SAMPLED: 09/14/95
DATE RECEIVED: 09/14/95
AEN WORK ORDER: 9509203

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

P.O. NUMBER: PB65786

PROJECT SUMMARY:

On September 14, 1995, this laboratory received 5 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
Laboratory Director

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9509203-01
 AEN WORK ORDER: 9509203
 CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/14/95
 REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 09/21/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 09/21/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 09/21/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 09/21/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 09/21/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 09/21/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 09/21/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 09/21/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 09/21/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 09/21/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 09/21/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 09/21/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 09/21/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 09/21/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 09/21/95 |
| cis-1,2-Dichloroethene | 156-59-2 | 18 * | 5 | ug/L | 09/21/95 |
| trans-1,2-Dichloroethene | 156-60-5 | 7 * | 5 | ug/L | 09/21/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 09/21/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 09/21/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 09/21/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 09/21/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 09/21/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 09/21/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 09/21/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 09/21/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 09/21/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 09/21/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 09/21/95 |
| Trichloroethene | 79-01-6 | 54 * | 5 | ug/L | 09/21/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 09/21/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 09/21/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 09/21/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9509203-02
 AEN WORK ORDER: 9509203
 CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/14/95
 REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 09/21/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 09/21/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 09/21/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 09/21/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 09/21/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 09/21/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 09/21/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 09/21/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 09/21/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 09/21/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 09/21/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 09/21/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 09/21/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 09/21/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 09/21/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 09/21/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 09/21/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 09/21/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 09/21/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 09/21/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 09/21/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 09/21/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 09/21/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 09/21/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 09/21/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 09/21/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 09/21/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 09/21/95 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 09/21/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 09/21/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 09/21/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 09/21/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
 AEN LAB NO: 9509203-03
 AEN WORK ORDER: 9509203
 CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/14/95
 REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 09/21/95 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 09/21/95 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 09/21/95 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 09/21/95 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 09/21/95 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 09/21/95 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 09/21/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 09/21/95 |
| Chlorobenzene | 108-90-7 | ND | 100 | ug/L | 09/21/95 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 09/21/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 09/21/95 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 09/21/95 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 09/21/95 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 09/21/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 09/21/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 09/21/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 09/21/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 09/21/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 09/21/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 09/21/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 09/21/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 09/21/95 |
| Ethylbenzene | 100-41-4 | ND | 500 | ug/L | 09/21/95 |
| 2-Hexanone | 591-78-6 | ND | 200 | ug/L | 09/21/95 |
| Methylene Chloride | 75-09-2 | ND | 500 | ug/L | 09/21/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 09/21/95 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 09/21/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 09/21/95 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 09/21/95 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 09/21/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 09/21/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 09/21/95 |
| Trichloroethene | 79-01-6 | 1.200 * | 50 | ug/L | 09/21/95 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 09/21/95 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 09/21/95 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 09/21/95 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9509203-03
AEN WORK ORDER: 9509203
CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
DATE RECEIVED: 09/14/95
REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3-DUP
 AEN LAB NO: 9509203-04
 AEN WORK ORDER: 9509203
 CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/14/95
 REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 1000 | ug/L | 09/21/95 |
| Benzene | 71-43-2 | ND | 50 | ug/L | 09/21/95 |
| Bromodichloromethane | 75-27-4 | ND | 50 | ug/L | 09/21/95 |
| Bromoform | 75-25-2 | ND | 50 | ug/L | 09/21/95 |
| Bromomethane | 74-83-9 | ND | 100 | ug/L | 09/21/95 |
| 2-Butanone | 78-93-3 | ND | 1000 | ug/L | 09/21/95 |
| Carbon Disulfide | 75-15-0 | ND | 100 | ug/L | 09/21/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 50 | ug/L | 09/21/95 |
| Chlorobenzene | 108-90-7 | ND | 50 | ug/L | 09/21/95 |
| Chloroethane | 75-00-3 | ND | 100 | ug/L | 09/21/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 100 | ug/L | 09/21/95 |
| Chloroform | 67-66-3 | ND | 50 | ug/L | 09/21/95 |
| Chloromethane | 74-87-3 | ND | 100 | ug/L | 09/21/95 |
| Dibromochloromethane | 124-48-1 | ND | 50 | ug/L | 09/21/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 50 | ug/L | 09/21/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 50 | ug/L | 09/21/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 50 | ug/L | 09/21/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 50 | ug/L | 09/21/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 50 | ug/L | 09/21/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 50 | ug/L | 09/21/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 50 | ug/L | 09/21/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 50 | ug/L | 09/21/95 |
| Ethylbenzene | 100-41-4 | ND | 50 | ug/L | 09/21/95 |
| 2-Hexanone | 591-78-6 | ND | 500 | ug/L | 09/21/95 |
| Methylene Chloride | 75-09-2 | ND | 200 | ug/L | 09/21/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 500 | ug/L | 09/21/95 |
| Styrene | 100-42-5 | ND | 50 | ug/L | 09/21/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 50 | ug/L | 09/21/95 |
| Tetrachloroethene | 127-18-4 | ND | 50 | ug/L | 09/21/95 |
| Toluene | 108-88-3 | ND | 50 | ug/L | 09/21/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 50 | ug/L | 09/21/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 50 | ug/L | 09/21/95 |
| Trichloroethene | 79-01-6 | 1.200 * | 50 | ug/L | 09/21/95 |
| Vinyl Acetate | 108-05-4 | ND | 500 | ug/L | 09/21/95 |
| Vinyl Chloride | 75-01-4 | ND | 100 | ug/L | 09/21/95 |
| Xylenes, Total | 1330-20-7 | ND | 100 | ug/L | 09/21/95 |

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3-DUP
AEN LAB NO: 9509203-04
AEN WORK ORDER: 9509203
CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
DATE RECEIVED: 09/14/95
REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
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GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
 AEN LAB NO: 9509203-05
 AEN WORK ORDER: 9509203
 CLIENT PROJ. ID: -

DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/14/95
 REPORT DATE: 09/26/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|-------|------------------|
| Volatile Organic Compounds | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 09/21/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 09/21/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 09/21/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 09/21/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 09/21/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 09/21/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 09/21/95 |
| Carbon tetrachloride | 56-23-5 | ND | 5 | ug/L | 09/21/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 09/21/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 09/21/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 09/21/95 |
| Chloroform | 67-65-3 | ND | 5 | ug/L | 09/21/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 09/21/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 09/21/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 09/21/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 09/21/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 09/21/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 09/21/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 09/21/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 09/21/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 09/21/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 09/21/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 09/21/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 09/21/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 09/21/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 09/21/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 09/21/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 09/21/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 09/21/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 09/21/95 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 09/21/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 09/21/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 09/21/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 09/21/95 |

ND = Not detected at or above the reporting limit
 * = value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9509203

CLIENT PROJECT ID: -

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9509203
 INSTRUMENT: 13
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | |
|---------------|------------|---------|-----------------------------------|------------------------|----------------------|
| | | | 1,2-Dichloroethane-d ₄ | Toluene-d ₈ | p-Bromofluorobenzene |
| 09/21/95 | MW-1 | 01 | 112 | 92 | 90 |
| 09/21/95 | MW-2 | 02 | 113 | 95 | 94 |
| 09/21/95 | MW-3 | 03 | 108 | 94 | 92 |
| 09/21/95 | MW-3 DUP | 04 | 112 | 92 | 91 |
| 09/21/95 | TRIP BLANK | 05 | 114 | 93 | 93 |
| QC Limits: | | | 76-114 | 88-110 | 86-115 |

DATE ANALYZED: 09/19/95
 SAMPLE SPIKED: 9509150-02
 INSTRUMENT: 13

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 104 | <1 | 59-155 | 25 |
| Trichloroethene | 50 | 101 | 8 | 71-157 | 25 |
| Benzene | 50 | 95 | 6 | 37-151 | 25 |
| Toluene | 50 | 97 | 6 | 47-150 | 25 |
| Chlorobenzene | 50 | 93 | 5 | 37-160 | 25 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

P. 53/53

920930255

FAX NO.

GEN CALIFORNIA

SEP-26-95 TUE 14:56

American Environmental Network

3410 Vincent Road, Pleasant Hill, CA 94521
Phone (510) 940 9090
FAX (510) 940 0256

1. Client: Case Valve - Regular
 Address: 6329 Hillcrest
Emeryville, CA 94608
 Contact: Bill Tallent
 Alt Contact: _____

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9509223
 Lab Destination: _____
 Date Samples Shipped: 9-14-95
 Lab Contact: _____
 Date Results Required: Normal Turnaround
 Date Report Required: _____
 Client Phone No.: _____
 Client FAX No.: _____

Address Report To: _____
 2. same as above

Send Invoice To: _____
 3. same as above

Send Report to: 1 or 2 (Circle one)

Client P.O. No.: _____ Client Project ID. No.: _____

Sample Team Member (s): _____

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample type | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | | | | | | Comments / Hazards | | | | |
|------------|------------------------------|------------|---------------------|-------------|-------|--------------|---------------|----------|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|--|
| 01A-C | MW-1 | | 9/14/95 | WAB | HCl | 1 | VOC | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 02A-C | MW-2 | | ↓ | ↓ | ↓ | 1 | " | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 03A-C | MW-3 | | ↓ | ↓ | ↓ | 1 | " | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 04A-C | MW-3 DUP | | ↓ | ↓ | ↓ | 1 | " | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| 05AB | TRIP BLANK | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: [Signature] DATE 9/14/95 TIME 1555

Relinquished by: _____ DATE _____ TIME _____

Relinquished by: _____ DATE _____ TIME _____

Method of Shipment: Hand Delivered

Received by: [Signature] DATE 9/15/95 TIME 1555

Received by: _____ DATE _____ TIME _____

Received by: _____ DATE _____ TIME _____

Lab Comments: _____

*Sample type (Specify): 1) 37mm 0.6 µm MCEP 2) 25mm 0.6 µm MCEP 3) 25mm 0.4 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Vialer 8) Soil 9) Bulk Sample
 10) Other _____

American Environmental Network

Certificate of Analysis

AIHA Accreditation: 11134

DOHS Certification: 1172

PAGE 1

GROVE VALVE & REGULATOR CO.
6529 HOLLIS STREET
EMERYVILLE, CA 94608

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

P.O. NUMBER: PB55786


PROJECT SUMMARY:

On August 18, 1995, this laboratory received 3 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEN LAB NO: 9508245-01
 AEN WORK ORDER: 9508245
 CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
 DATE RECEIVED: 08/18/95
 REPORT DATE: 09/06/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 08/23/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethene | 156-59-2 | 12 * | 5 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 08/23/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 08/23/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 08/23/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 08/23/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/23/95 |
| Trichloroethene | 79-01-6 | 46 * | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9508245-02
AEN WORK ORDER: 9508245
CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
DATE RECEIVED: 08/18/95
REPORT DATE: 09/06/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 08/23/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 08/23/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 08/23/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 08/23/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 08/23/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/23/95 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9508245-03
AEN WORK ORDER: 9508245
CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
DATE RECEIVED: 08/18/95
REPORT DATE: 09/06/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 08/23/95 |
| Chloroform | 67-65-3 | ND | 5 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethene | 156-59-2 | 19 * | 5 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 08/23/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 08/23/95 |
| 2-Hexanone | 591-78-6 | ND | 50 | ug/L | 08/23/95 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/L | 08/23/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 50 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/25/95 |
| Trichloroethene | 79-01-6 | 1,400 * | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9508245

CLIENT PROJECT ID: -

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

@: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9508245
INSTRUMENT: 13
MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | |
|---------------|------------|---------|-----------------------------------|------------------------|----------------------|
| | | | 1,2-Dichloroethane-d ₄ | Toluene-d ₈ | p-Bromofluorobenzene |
| 08/23/95 | MW-1 | 01 | 77 | 102 | 94 |
| 08/23/95 | MW-2 | 02 | 80 | 101 | 95 |
| 08/23/95 | MW-3 | 03 | 83 | 98 | 95 |
| QC Limits: | | | 76-114 | 88-110 | 86-115 |

DATE ANALYZED: 08/23/95
SAMPLE SPIKED: 9508149-04
INSTRUMENT: 13

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 84 | 10 | 59-155 | 25 |
| Trichloroethene | 50 | 96 | 6 | 71-157 | 25 |
| Benzene | 50 | 94 | 2 | 37-151 | 25 |
| Toluene | 50 | 95 | <1 | 47-150 | 25 |
| Chlorobenzene | 50 | 103 | 5 | 37-160 | 25 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
 AEM LAB NO: 9508245-01
 AEM WORK ORDER: 9508245
 CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
 DATE RECEIVED: 08/18/95
 REPORT DATE: 08/23/95

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 10 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 1-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/L | 08/23/95 |
| Chloroform | 67-66-3 | ND | 10 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 5 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethene | 75-35-1 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 08/23/95 |
| Ethylbenzene | 100-41-4 | ND | 20 | ug/L | 08/23/95 |
| 2-Hexanone | 591-78-6 | ND | 20 | ug/L | 08/23/95 |
| Methylene Chloride | 75-09-2 | ND | 50 | ug/L | 08/23/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 5 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrahydroethane | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/23/95 |
| Trichloroethene | 79-01-6 | 46 * | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND = Not Detected at or above the reporting limit

* = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
 AEN LAB NO: 9508245-02
 AEN WORK ORDER: 9508245
 CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
 DATE RECEIVED: 08/18/95
 REPORT DATE: 08/23/95

| ANALYTE | METHOD/ CAS# | RESULTS | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|---------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EDA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 08/23/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-24-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-35-4 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethane | 156-59-2 | ND | 5 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethane | 156-60-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/L | 08/23/95 |
| Ethylbenzene | 100-41-4 | ND | 5 | ug/L | 08/23/95 |
| 2-Hexanone | 551-78-6 | ND | 50 | ug/L | 08/23/95 |
| Mesitylene Chloride | 75-09-2 | ND | 20 | ug/L | 08/23/95 |
| 4-Methyl-2-pentanone | 108-10-1 | ND | 30 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/23/95 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 108-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-01-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9508245-03
AEN WORK ORDER: 9508245
CLIENT PROJ. ID: -

DATE SAMPLED: 08/18/95
DATE RECEIVED: 08/18/95
REPORT DATE: 08/23/95

| ANALYTE | METHOD/ CLASS | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|------------------|---------|--------------------|-------|------------------|
| VOCs in Water by 8240 | EPA 8240 | | | | |
| Acetone | 67-64-1 | ND | 100 | ug/L | 08/23/95 |
| Benzene | 71-43-2 | ND | 5 | ug/L | 08/23/95 |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/L | 08/23/95 |
| Bromoform | 75-25-2 | ND | 5 | ug/L | 08/23/95 |
| Bromomethane | 74-83-9 | ND | 10 | ug/L | 08/23/95 |
| 2-Butanone | 78-93-3 | ND | 100 | ug/L | 08/23/95 |
| Carbon Disulfide | 75-15-0 | ND | 10 | ug/L | 08/23/95 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/L | 08/23/95 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/L | 08/23/95 |
| Chloroethane | 75-00-3 | ND | 10 | ug/L | 08/23/95 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 10 | ug/L | 08/23/95 |
| Chloroform | 67-66-3 | ND | 5 | ug/L | 08/23/95 |
| Chloromethane | 74-87-3 | ND | 10 | ug/L | 08/23/95 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/L | 08/23/95 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/L | 08/23/95 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/L | 08/23/95 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 1 | ug/L | 08/23/95 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 70-133-7 | ND | 5 | ug/L | 08/23/95 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/L | 08/23/95 |
| trans-1,3-Dichloropropene | 10062-02-6 | ND | 5 | ug/L | 08/23/95 |
| Dibutyltinene | 100-41-4 | ND | 50 | ug/L | 08/23/95 |
| 2 Hexanone | 581-78-6 | ND | 50 | ug/L | 08/23/95 |
| Methylcyclohexane | 78-08-1 | ND | 50 | ug/L | 08/23/95 |
| n-Propyl-1-pentane | 136-18-1 | ND | 5 | ug/L | 08/23/95 |
| Styrene | 100-42-5 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/L | 08/23/95 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/L | 08/23/95 |
| Toluene | 108-88-3 | ND | 5 | ug/L | 08/23/95 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/L | 08/23/95 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/L | 08/23/95 |
| Trichloroethene | 79-01-6 | (540) * | 5 | ug/L | 08/23/95 |
| Vinyl Acetate | 100-05-4 | ND | 50 | ug/L | 08/23/95 |
| Vinyl Chloride | 75-35-4 | ND | 10 | ug/L | 08/23/95 |
| Xylenes, Total | 1330-20-7 | ND | 10 | ug/L | 08/23/95 |

ND - Not detected at or above the reporting limit
* - Value at or above reporting limit

Address: 637 Hollis St.
Emeryville, CA 94608
 Contact: Bill Tallent
 Alt Contact: _____

3143 Vincent Road, Pleasant Hill, CA 94568
 Phone (510) 930-9095
 FAX (510) 930-0254

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9508245
 Lab Destination: AEN, Pleasant Hill
 Date Samples Shipped: 8-19-95
 Lab Contact: Robin
 Date Results Required: 8-22-95 (see call Bill Tallent)
 Date Report Required: CALL Bill Tallent (510) 695-7700 x211
 Client Phone No.: 510-695-7700
 Client FAX No.: 510-308-4048

Address Report To:
Bill Tallent
Grove Valve + Regulator Co.
637 Hollis St.
Emeryville, CA 94608

Send Invoice To:
same

Send Report To: a b c (Circle one)
 Client P.O. No.: _____ Client Project ID. No.: _____
 Sample Team Member(s): Jacki Lee

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | Comments / Hazards |
|------------|------------------------------|------------|---------------------|-------------|-------|--------------|---------------|----------|--|
| 11AB | MW-1 | | 8/19/95 11:30 | w(7) | HCl | 2 | VOC | X | Client notified but TAT acceptable is 22 days after 11/22/95. R. Rojas |
| 2AB | MW-2 | | 8/19/95 12:05 | w(7) | HCl | 2 | VOC | X | |
| 3AB | MW-3 | | 8/19/95 12:20 | w(7) | HCl | 2 | VOC | X | |

TO PHOTOS
 8/24/95
 8/24/95

SEND PH photos
 Chisler - Not
 6/24 Rojas
 Samples taken
 8/18/95 per B. Tallent

Requested by (Signature): [Signature] DATE: 8/18/95 TIME: 12:45
 Requested by (Signature): Michael Stekoller DATE: 8/18/95 TIME: 16:25
 Requested by (Signature): _____ DATE: _____ TIME: _____

Received by (Signature): Michael E. Smith DATE: 8/18/95 TIME: 15:20
 Received by (Signature): Lee L. Smith DATE: 8-18-95 TIME: 16:25
 Received by (Signature): _____ DATE: _____ TIME: _____

Method of Shipment: AEN COURIER

Lab Comments: _____

* Sample type (Specify): 1) 37mm 0.6 µm MCEF 2) 25mm 0.6 µm MCEF 3) 25mm 0.4 µm polycarb. filter
 4) PVC filter, diam _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____
 DYES: WHITE PAPER YELLOW PAPER BLUE PAPER GREEN

10-23-95 WED 11:05 AEN CALIFORNIA FAX NO. 5109300255 9/05/95