QUARTERLY REPORT
2ND QUARTER 1996

Grove Valve & Regulator Company
Emeryville, California

June 14, 1996

Submitted To:

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

Prepared For:

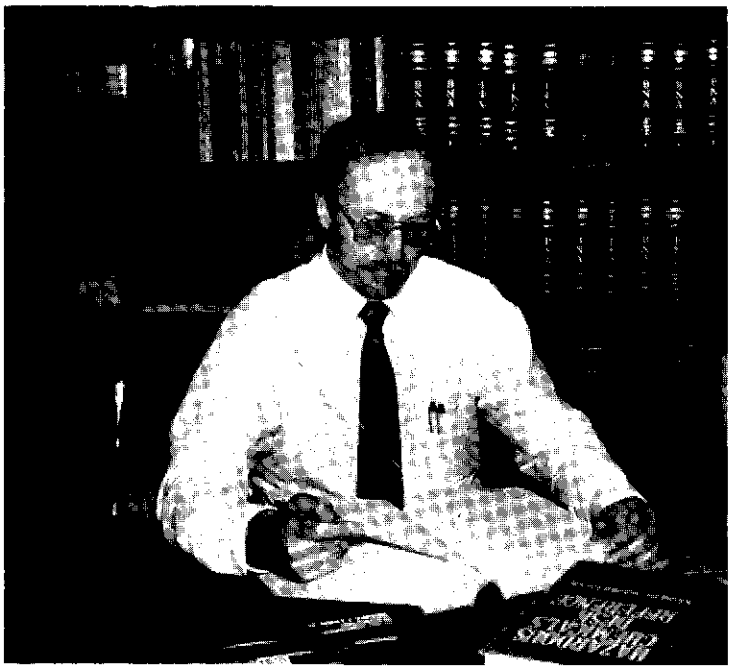
Grove Valve & Regulator Company
6529 Hollis Street
Emeryville, California 94549

Prepared By:

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

Environmental Management
& Engineering, Inc.

Specialists in Environmental Management



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- Hazardous/Toxic Waste Management
- Evaluations & Closure of Surface Impoundments
- Mitigation/Reclamation Technologies
- Geotechnical & Groundwater Services
- Underground Storage Tank Testing, Removal, & Remediation
- Laboratory Services

GROVE

GROVE VALVE AND REGULATOR CO.
P.O. Box 721900
Houston, Texas 77272-1900
Phone (713) 568-2211 • Fax (713) 568-1414

ENERGY VALVE DIVISION DRESSER

June 14, 1996

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 - 2nd Quarter 1996
DRS-95-E942

Dear Ms. Hugo:

Please find two (2) copies of the above captioned report as requested in your letter of 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

June 14, 1996

QUARTERLY REPORT 2ND QUARTER 1996 --
Grove Valve & Regulator Company
Emeryville, California

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

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Birmingham, Alabama 35211
Project No. DRS-95-E942

Environmental Management & Engineering, Inc
437 Industrial Lane Post Office Box 19866 Birmingham, AL 35219 (205) 940-7700
5715 Northwest Central Drive Suite 104 Houston, TX 77092 (713) 939-7028

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ATTACHMENTS

QUARTERLY REPORT – 2ND QUARTER 1996

Grove Valve & Regulator Company
Emeryville, California

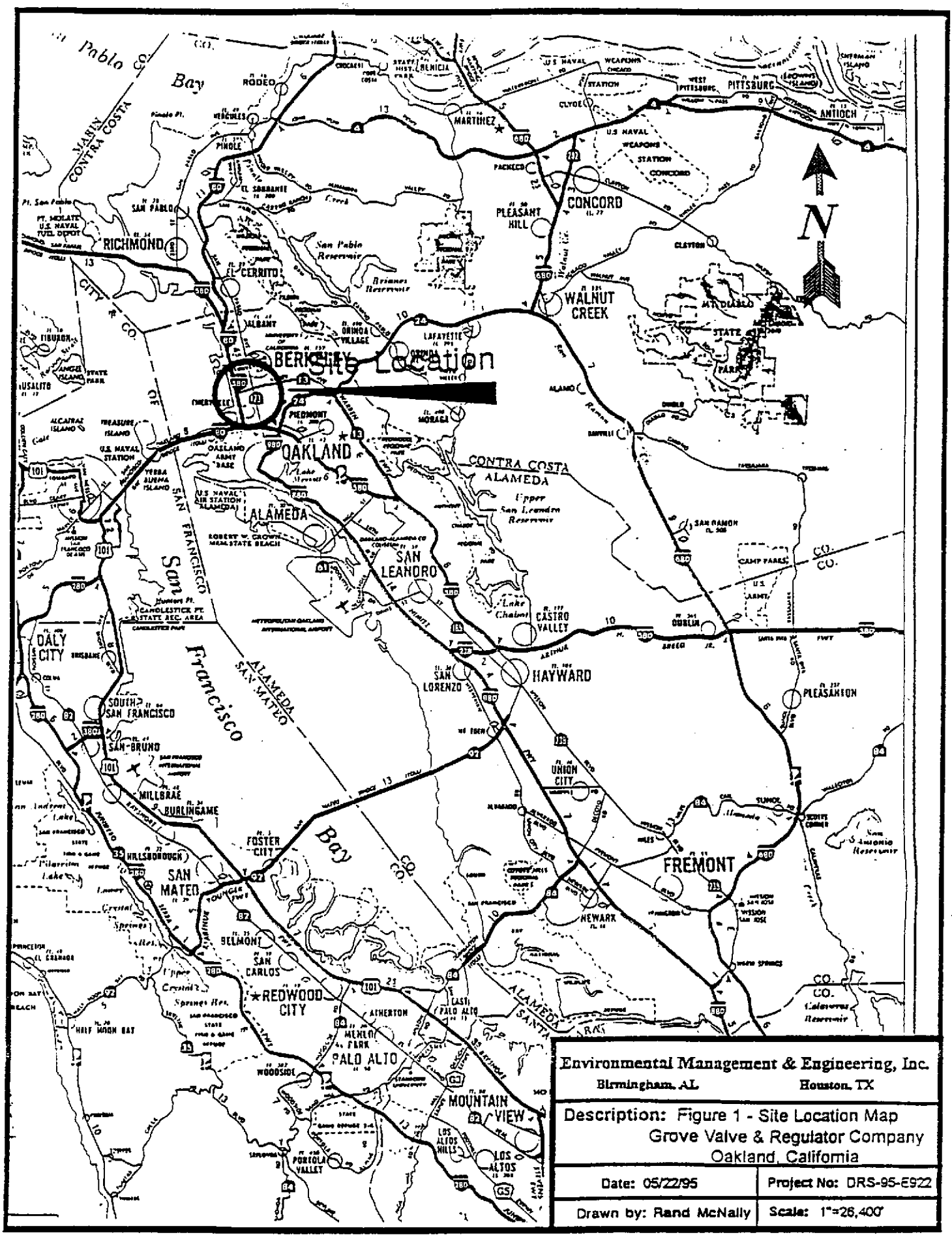
June 14, 1996

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 Valve and Regulator Company of Emeryville, California, 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 initiated a quarterly groundwater monitoring program.

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



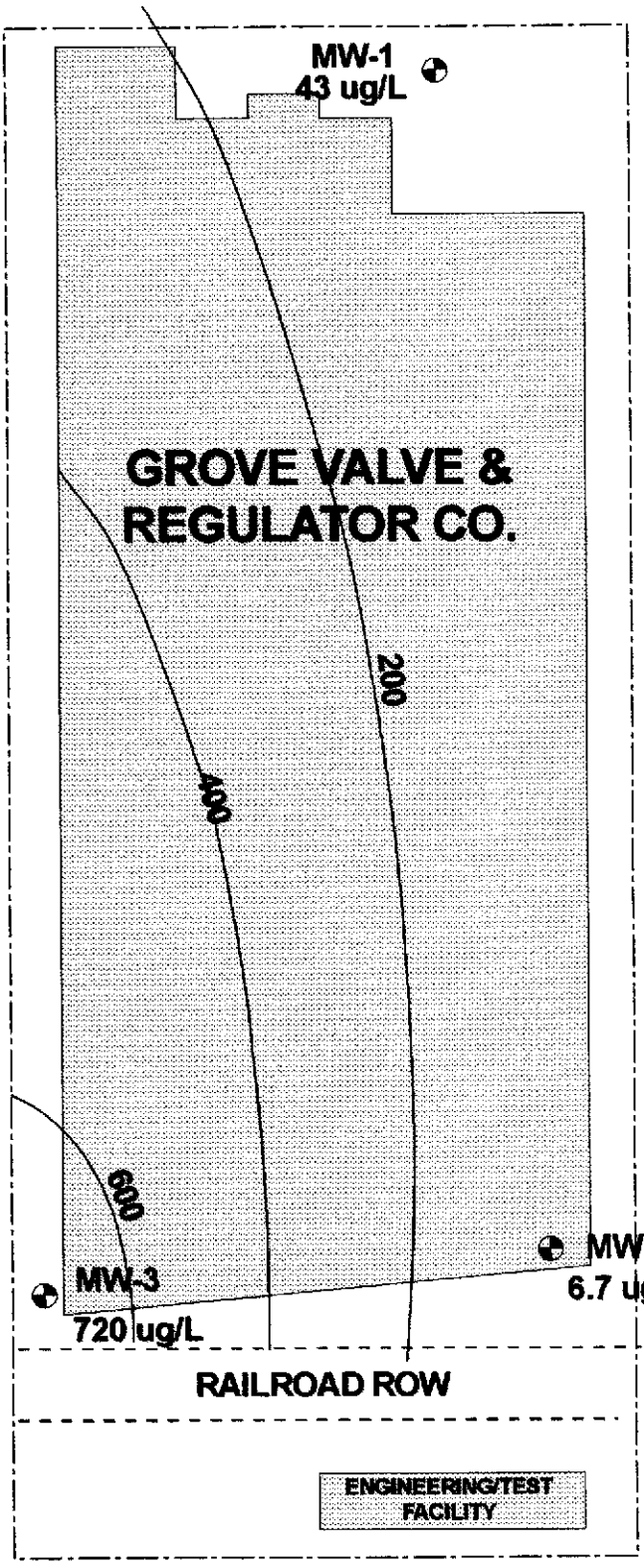
Environmental Management & Engineering, Inc.	
Birmingham, AL	Houston, TX
Description: Figure 1 - Site Location Map Grove Valve & Regulator Company Oakland, California	
Date: 05/22/95	Project No: DRS-95-E922
Drawn by: Rand McNally	Scale: 1"=26,400'

II. Quarterly Monitoring Activities

The sampling event was conducted on Thursday, April 11, 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. In addition to sampling each well, 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), oil and grease. Later it was discovered that oil and grease parameter had been requested but inadvertently omitted from the analysis. Therefore, on Monday, April 29, 1996 a second round of sampling was conducted by ESS personnel and the samples were analyzed for oil and grease. Attachment 2 is a copy of the Field Activity Report prepared by Environmental Sampling Services.

III. Quarterly Monitoring Results

As per the requirement, the groundwater samples were analyzed for VOC's using EPA Methods 8010 and 8020. The analytical results of the April 1996 sampling event indicate lower concentrations of TCE as compared to previous events. The Trichloroethene (TCE) concentration in the sample from MW-1 (the upgradient monitoring well) was 43 μg/L. The TCE concentration in the sample from MW-2 was 6.7 μg/L. The TCE concentrations in the sample and duplicate sample from MW-3 were 720 μg/L and 770 μg/L as compared to 1400 μg/L and 1100 μg/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.



N

LEGEND

◒	MONITORING WELL
43 ug/L	TCE CONCENTRATION (SAMPLED 4/11/96)

ENVIRONMENTAL MANAGEMENT & ENGINEERING INC.			
Birmingham , AL		Houston, TX	
Description:	FIGURE 2 TRICHLOROETHENE CONTAMINATION CONTOURS		
Date:	2/9/96	Project No.:	DRS-95-E942
Drawn By:	GP\MKH	Scale:	NTS

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

Grove Valve Regulator Co.	WS-1	WS-2	MW-1	MW-1	MW-4(ID)	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1R	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Emeryville, CA	Apr-91	Apr-91	Mar-92	Oct-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95	Jan-96	Apr-96	Mar-92	Mar-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95
AROMATIC HYDROCARBONS																				
Benzene	NA	NA	ND	NA	NA	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	NA	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	NA	NA	ND	NA	NA	ND	ND	NA	NA	NA	NA	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	NA	ND	ND	NA	NA	NA
1,4 Dichlorobenzene	NA	NA	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	NA	NA	NA
Ethylbenzene	NA	NA	ND	NA	NA	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	NA	ND	ND	ND	ND	ND
Xylene	NA	NA	ND	NA	NA	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	1	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
Bromomethane	NA	NA	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
Chloroethane	NA	NA	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	36	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
Chloromethane	NA	NA	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
Dichlorodifluoromethane	NA	NA	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	3	2	2	2	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
1,1 Dichloroethene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	20	33	24	24	15	20	12	18	18	16	12	ND	2	1	2	0.9	ND	ND	ND
trans-1,2-Dichloroethene	ND	3	12	8	8	5	7	ND	7	7	7	4.1	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
cis-1,3-Dichloropropene	NA	NA	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
Methylene Chloride	NA	NA	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
Tetrachloroethene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	120	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	0.8	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
Trichloroethene	160	180	103	99	98	53	79	46	54	61	61	43	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
1,1,2 Trichlorotrifluoroethane	NA	NA	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 = 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.	MW-2	MW-3	MW-2D	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3D	MW-3D	MW-3D	MW-3D
Emeryville, CA	Jan-96	Apr-96	Mar-92	Mar-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95	Jan-96	Apr-96	Sep-95	Nov-95	Jan-96	Apr-96
AROMATIC HYDROCARBONS																
Benzene	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	ND
1,3 Dichlorobenzene	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	ND
1,4 Dichlorobenzene	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	ND
Ethylbenzene	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	ND	ND	NA	ND	NA	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
Bromoform	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
Carbon Tetrachloride	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
2-Chlorethyl Vinyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	0.5	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
Dibromochloromethane	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
1,1 Dichloroethane	ND	3.2	3	0.6	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	ND	ND	ND	2	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	1.2	2	18	13	13	28	19	ND	ND	ND	34	ND	ND	ND	36
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1	1	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
cis-1,3-Dichloropropene	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
Methylene Chloride	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
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	ND	ND	0.6	0.5	0.7	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
Trichloroethene	7	6.7	4	1300	1100	1200	800	1400	1200	1400	1400	720	1200	1200	1100	770
Trichlorofluoromethane	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
Vinyl Chloride	ND	ND	ND	5	2	3	9	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.	WS-1	WS-2	MW-1	MW-1	MW-4(ID)	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1R	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Emeryville, CA	Apr-91	Apr-91	Mar-92	Oct-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95	Jan-96	Apr-96	Mar-92	Mar-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95
PESTICIDES & PCB'S																				
Aldrin	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
beta-BHC	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
gamma-BHC	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
4,4 DDD	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
4,4 DDE	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
4,4 DDT	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
Dieldrin	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
Endosulfan II	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
Endrin	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
Heptachlor	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
Methoxychlor	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
PCB-1016	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
PCB-1232	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
PCB-1248	NA	NA	ND	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	ND	ND	NA	NA	NA	NA
PCB-1260	NA	NA	ND	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	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	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.	MW-2	MW-2	MW-2D	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3D	MW-3D	MW-3D	MW-3D
Emeryville, CA	Jan-96	Apr-96	Mar-92	Mar-92	Oct-92	Feb-93	Apr-95	Aug-95	Sep-95	Nov-95	Jan-96	Apr-96	Sep-95	Nov-95	Jan-96	Apr-96
PESTICIDES & PCB'S																
Aldrin	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4 DDD	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4 DDD	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4 DDE	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4 DDE	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4 DDT	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4 DDT	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1016	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
oil & grease (EPA Method 5520C)	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND
Hydrocarbons (EPA Method 5520F)	NA	NA	ND	ND	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

Static groundwater levels recorded during the April 1996 sampling event were consistent in MW-1 and MW-2 with those of previous events. The static water level in MW-3 was higher as compared to the previous events. Groundwater flow direction and gradient is predominantly to the west southwest 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.

IV. Summary and Recommendations

As mentioned previously, the results of the April 1996 monitoring event indicate lower concentrations of TCE as compared to the previous events. The TCE concentration in the sample MW-3 and duplicate sample MW-3D showed a reduction of TCE from 1400 μg/L and 1100 μg/L (January 1996) to 720 μg/L and 770 μg/L respectively. Both the analytical results and static groundwater level data continue to indicate that the groundwater contamination is a migrating slug of TCE from an off-site source(s). Grove proposes continued quarterly monitoring until such time that there is a sufficient data base on which to draw further conclusions.

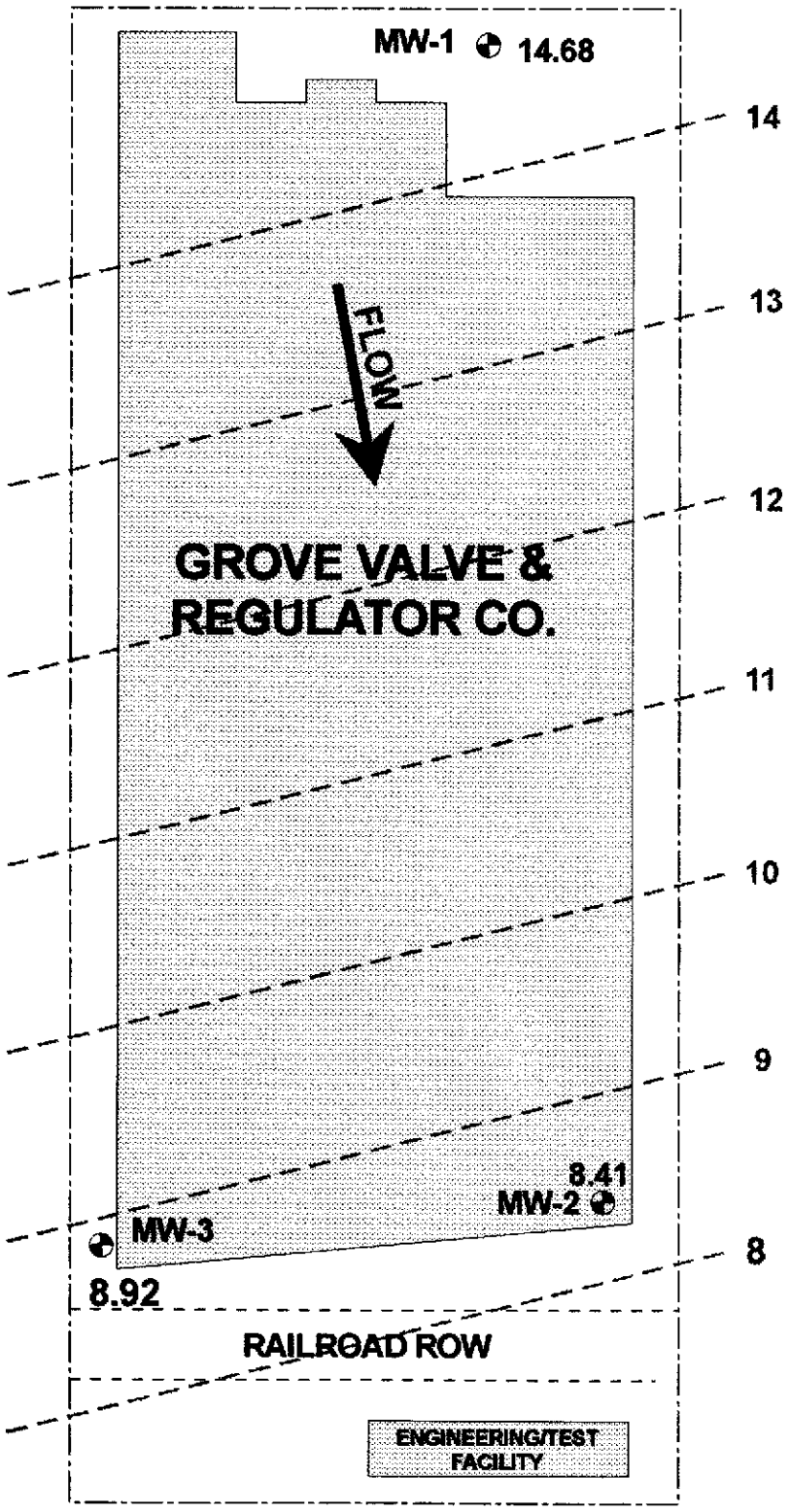
V. Qualifications of Lead Professionals

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.

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
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		7.54	8.41
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

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



GROUNDWATER CONTOURS AND ELEVATIONS (FEET MSL) APRIL 11, 1996

ENVIRONMENTAL MANAGEMENT & ENGINEERING INC. Birmingham, AL Houston, TX	
Description: FIGURE 3 GROUNDWATER LEVELS AND GRADIENT	
Date: 5/31/96	Project No.: DRS-95-E942
Drawn By: GP/MKH	Scale: NTS

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.

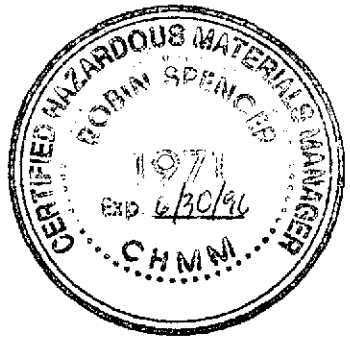
Ms. Elyse Heilshorn is a consulting environmental engineer and a registered civil engineer (No. C036567) in the State of California, a Certified Hazardous Materials Manager, and a Registered Environmental Assessor. She has 18 years experience in the environmental field as an engineer and a chemist.

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

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

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
DAVID J. KEARS, Agency Director

FAXED
JUL 7 - 1995

cc: Bill Tallent

RAFAT A. SHAHID, DIRECTOR
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

June 29, 1995

Grove Valve and Regulator Company
Executive Office

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.

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, April 1996

FIELD ACTIVITY REPORT
FOR
APRIL 1996 QUARTERLY SAMPLING
AT GROVE VALVE AND REGULATOR COMPANY,
EMERYVILLE, CALIFORNIA

Prepared for: Grove Valve and Regulator Company
11100 W. Airport Boulevard
Stafford, TX 77477-3014

By: Environmental Sampling Services
6680 Alhambra Avenue, #102
Martinez, California 94553

Date Prepared: April 16, 1996

ENVIRONMENTAL
SAMPLING
SERVICES (ESS)

6680 Alhambra Avenue, #102
Martinez, CA 94553
Tel/Fax: (510) 372-8108

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

ESS Personnel: Jacki Lee & Stephen Penman
Duration of Activities: April 11, 1996

Water Level Measurements

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

Sampling Procedures

Three monitoring wells (MW-1, MW-2, and MW-3) were purged and sampled. The monitoring wells were evacuated by using a centrifugal pump and dedicated suction hose. Following evacuation of four casing volumes, each monitoring well was sampled for EPA Methods 8010/8020.

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

A length of suction hose is dedicated for each well. Each length of hose is stored in pre-labeled plastic bags and kept on site for future use.

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 trip blank remained with sample containers throughout the sampling event. All samples were inserted into glass protection material, sealed in ziplock bags, and placed in a chilled ice chest for storage and shipment.

ENVIRONMENTAL
SAMPLING
SERVICES (ESS)

6680 Alhambra Avenue, #102
Martinez, CA 94553
Tel/Fax: (510) 372-8108

Chain of Custody (COC) Forms

All sampling and sample handling were conducted under strict chain of custody procedures. The COC included an analysis request section, sample date and time, and well identification. A carbon copy of the COC is enclosed.

A copy of the results are to be transmitted to Environmental Management and Engineering Inc., attention Gene Gonsoulin at (205)940-7701, as requested by Grove Valve and Regulator Co.

Disposal of Purged Groundwater

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

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

Comments/Observations

Upon initial well inspection, MW-3 was open and possibly exposed to surface run-off water. The existing lock was corroded and inoperable. A similar lock was replaced by ESS.

Jacqueline Lee
President

encl

Table 1
Chain of Custody
Well Sample Log Sheets

ENVIRONMENTAL
SAMPLING
SERVICES (ESS)

6680 Alhambra Avenue, #102
Martinez, CA 94553
Tel/Fax: (510) 372-8108

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

Well I.D.	Initial Water Level (ft) (measured 4/11/96)	Total Well Depth (ft)	Total Gallons Removed	Equivalent Casing Volume
MW-1	6.04	24.94	55	4.5
MW-2	7.54	24.32	50	4.6
MW-3	8.03	24.84	56	5.1

Reporting Information:

1. Client: Grove Valve and Regulator Co.
Address: 11100 W. Airport Blvd.
Stafford, Texas 77477
Contact: Bill Talleint [illegible]
Alt. Contact:

American Environmental Network

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

AEN

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number:
Lab Destination: AEN Pleasant Hill
Date Samples Shipped: 4/11/96
Lab Contact: Robin [illegible]
Date Results Required: 4/22/96 Normal [illegible] 7 Days
Date Report Required:
Client Phone No.: (800) 847-1019 [illegible]
Client FAX No.: (713) 568-[illegible]

Address Report To:

2. Also fax a copy of results to: Environmental Mgt. and Consulting Inc. Attention: [illegible] @ (205) 940-7701

Send Invoice To:

3. Same as #1

Send Report To: (1) or 2 (Circle one)

Client P.O. No.: PB601146 Client Project I.D. No.: Emeryville, CA

Sample Team Member (s) Jacki Lee / Steve Pearman

Lab Number	Client Sample Identification	Air Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	ANALYSIS: [illegible]									Comments / Hazards
	Travel Blank		[illegible] 1415	7	HCl	2	VOC	x									[illegible]
1	MW-[illegible]		4/10/96 [illegible]	7	HCl	3	VOC	x									
	MW-[illegible]		4/10/96 1415	7	HCl	3	VOC	x									
	MW-[illegible] DUPLICATE		4/10/96 1415	7	HCl	3	VOC	x									
	MW-[illegible]		4/10/96 1550	7	HCl	3	VOC	x									

Relinquished by: (Signature) [signature]	DATE 4/11/96	TIME [illegible]	Received by: (Signature) [signature]	DATE [illegible]	TIME [illegible]
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) Bulk Sample
10) Other ____ 11) Other ____

Environmental Sampling Services WELL SAMPLE LOG SHEET	Well Identification: MW-1 Date(s): 4/11/96

Project Name: Crane Valve & Repair Co. Client Project Number: PB60146
Well Description: 2" (4") 6" Well Type: (PVC) Stainless Steel
Is well secured? (YES) / NO Type of lock / lock number: Dolphin/1600
Observations/Comments:

Purge Method: Teflon Disposable Bailer (Centrifugal pump) GRUNDFOS Redi-flow pump Other:
Pump lines: NEW / CLEANED 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 (4) (7) 10 Specific Conductance Meter Serial Number: F801591
Date(s) Calibrated: 4/11/96 Specific Conductance Meter Red-lined: (YES) / NO
Method to measure water level: Solinst Product Thickness: N/A
Water Level at Start: 6.04 Water Level Prior to Sampling: 9.40 ↑

TD= 24.94 minus 6.04 = 18.9 times "k" = 12.3 gallons/one casing volume
4 times 12.3 = 49.2 gallons for 4 casing volumes
"k"= 0.163 (2" well) ("k"= 0.653 (4" well)) "k"=1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (umhos/cm)	Turbidity (NTU's)	Color	Comments
4/11/96	14:38	10	7.21	18	1010	40	none	
	14:40	20	6.86	18.5	1100	66	V.LT tan	blwy @ 25g.
	15:19	30	7.21	18.2	1100	39	"	
	15:21	40	7.01	18.3	1000	103	"	
	15:23	50	7.01	18.5	1050	84	"	dry @ 53g.
	15:38	55	7.02	18.5	1110	62	"	
	[illegible]							
4/11/96	15:52	Aft. Sampl	6.91	18.0	1000	85	"	

Total Discharge: 55 gallons Casing Volumes Removed: 4.5
Method of disposal of discharged water: 55 gallon Drum
Date/Time sampled: 4/11/96 @ 1550 Analysis: [redacted] (3 vols) 8010/8020

Comments:
QA/QC: _____ @ _____ as Eq. Blank Duplicate MS/MSD Split
Sampled By: S. Parman, T. Lee

Environmental Sampling Services
443 Donegal Way, Lafayette, CA 94549
Tel/Fax: (510) 372-8108

Environmental Sampling Services WELL SAMPLE LOG SHEET	Well Identification: MW-2 Date(s): 4/11/96

Project Name: Grove Valve and Regulator Co. Client Project Number: PB60146
Well Description: 2" (4") 6" Well Type: (PVC) Stainless Steel
Is well secured? (YES) / NO Type of lock / lock number: Dolphin /1600
Observations/Comments:

Purge Method: Teflon Disposable Bailer (Centrifugal pump) GRUNDFOS Redi-flow pump Other:
Pump lines: NEW / CLEANED 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: 218254 @ (7) 10 Specific Conductance Meter Serial Number: F8016591
Date(s) Calibrated: 4/11/96 Specific Conductance Meter Red-lined: (YES) / NO
Method to measure water level: Solinst Product Thickness: NA
Water Level at Start: 7.54 Water Level Prior to Sampling: 14.30

TD= 24.32 minus 7.54 = 16.78 times "k" = 11 gallons/one casing volume
4 times 11 = 44 gallons for 4 casing volumes
"k"= 0.163 (2" well) ("k"= 0.653 (4" well)) "k"=1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (umhos/cm)	Turbidity (NTU's)	Color	Comments
4/11/96	1220	8	6.95	19.8	3550	45	Cloudy Lt Brown	
	1224	16	6.88	18.5	3700	40	"	
	1226	24	6.80	18.8	3680	59	"	Purged Dry @ 27 gallons
	1259	32	6.76	18.4	3550	108	Lt Brown	Purged Dry @ 39 gallons
	1313	40	6.77	18.4	3550	367	"	
↓	1316	50	6.68	18.5	3550	111	"	
4/11/96	1349	Aft. Sampl	6.78	18.6	3550	34	Slightly Cloudy Lt Brn.	

Total Discharge: 50 gallons Casing Volumes Removed: 4.6
Method of disposal of discharged water: 55 gallon Drum
Date/Time sampled: 4/11/96 @ 1345 Analysis: [redacted] (3 VOA's) 8010/8020

Comments:
QA/QC: _____ @ _____ as Eq. Blank Duplicate MS/MSD Split
Sampled By: S. Penrose, S. Lee

Environmental Sampling Services
443 Donegal Way, Lafayette, CA 94549
Tel/Fax: (510) 372-8108

Environmental Sampling Services
WELL SAMPLE LOG SHEET

Well Identification.: MW-3
Date(s): 4/11/96

Project Name: Grove Valve & Regulator Co. Client Project Number: PB601.40
Well Description: 2" (4") 6" Well Type: (PVC) Stainless Steel
Is well secured? YES / NO Type of lock / lock number: Dolphin /1600
Observations/Comments: Well has Dedicated Hose w/Foot valve

Purge Method: Teflon Disposable Bailer (Centrifugal pump) GRUNDFOS Redi-flow pump Other:
Pump lines: NEW / CLEANED 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 (4) (7) 10 Specific Conductance Meter Serial Number: E8016591
Date(s) Calibrated: 4/11/96 Specific Conductance Meter Red-lined: (YES) / NO
Method to measure water level: Solinst Product Thickness: NA
Water Level at Start: 8.03 Water Level Prior to Sampling: 16.32 ↑
TD= 24.84 minus 8.03 = 16.81 times "k" = 11 gallons/one casing volume
4 times 11 = 44 gallons for 4 casing volumes
"k"= 0.163 (2" well) ("k"= 0.653 (4" well)) "k"=1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (umhos/cm)	Turbidity (NTU's)	Color	Comments
4/11/96	12:50	8	6.90	17	2600	31	Lt Gray/tan cloudy	
	12:52	16	6.83	17.3	2558	128	tan	Dry @ 19 gal.
	13:07	24	6.78	17.9	2590	126	tan	" " 29 gal.
	13:27	32	6.76	17.9	2690	124	"	Dry @ 37 gal.
	14:00	40	6.84	17.8	2800	106	"	
	1404	48	6.85	17.8	2720	82	"	
↓	1408	56	6.79	17.8	2600	227	Lt Brown	
4/11/96	1420	Aft. Sampl	6.81	17.9	2550	78	Cloudy Tan	

Total Discharge: 56 gallons Casing Volumes Removed: 5.1
Method of disposal of discharged water: 55 gallon Drum
Date/Time sampled: 4/11/96 @ 1415 Analysis: [redacted] (3 VOA's) 8010/8020

Comments:
QA/QC: MW-3 Duplicate @ 1415 as Eq. Blank (Duplicate) MS/MSD Split
Sampled By: S. Fonseca / S. Lee

Environmental Sampling Services
443 Donegal Way, Lafayette, CA 94549
Tel/Fax: (510) 372-8108

ATTACHMENT 3 – Laboratory Analytical Reports for Groundwater Monitoring Events

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

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

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

P.O. NUMBER: PB55786

REPORT DATE: 09/06/95
DATE(S) SAMPLED: 08/18/95
DATE RECEIVED: 08/18/95
AEN WORK ORDER: 9508245

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	67-66-3	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	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	08/23/95
Trichloroethene	79-01-6	1,400 *	5	ug/L	08/25/95
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	QC Limits 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 ***

[redacted] American Environmental [redacted] work [redacted] AEN [redacted] Page __ of __

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

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

1. Client: ~~F. Fairbanks~~ Grove Valve
Address: 6529 Hollis St.
Emeryville, CA 94608
Contact: Bill Tallent
Alt. Contact:

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) 655-7700 x2141
Client Phone No.: 510-655-7700
Client FAX No.: 510-308-4048

Address Report To:
2. Bill Talent
Grove Valve + Regulator Co.
6529 Hollis St.
Emeryville, CA 94608

Send Invoice To:
3. Same

Send Report To: (1) or 2 (Circle one)

Client P.O. No.: ______ Client Project I.D. 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: 8240									Comments / Hazards
01AB	MW-1		8/18/95 1130	W(7)	HCl	2	VOC	X									[illegible]
02AB	MW-2		8/18/95 1235	W(7)	HCl	2	VOC	X									[illegible]
03AB	MW-3		8/18/95 1320	W(7)	HCl	2	VOC	X									[illegible]
			8/18/95														[illegible]

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
[signature]	8/18/95	1345	Michael E. Keller [signature]	8/18/95	15:20
Michael E. Keller [signature]	8/18/95	16:25	Lori L. Pruett [signature]	8-18-95	1625

Method of Shipment: AEN COURIER

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) Bulk Sample 10) Other ______ 11) Other ______

COPIES: WHITE - LAB FILE YELLOW - PROJECT FILE PINK - CLIENT

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

ATTN: BILL TALLENT
CLIENT PROJ. ID: -

REPORT DATE: 09/26/95

DATE(S) SAMPLED: 09/14/95

DATE RECEIVED: 09/14/95

AEN WORK ORDER: 9509203

P.O. NUMBER: PB55786

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	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	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: 9509Z03
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
* = Value at or above reporting limit

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	67-66-3	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

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 dependant 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	QC Limits 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 ***

American Environmental Network AEN

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

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

1. Client: Cove Valve + Regulator
Address: 6529 Hollis St
Emeryville, CA 94608
Contact: Bill Tallent
Alt. Contact:

Lab Job Number: 9509203
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 I.D. 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: EPA 8240	Comments / Hazards
01A-C	MW-1		9/14/95	Wtr	HCl	3	VOC	X	
02A-C	MW-2		↓	↓	↓	3	"	X	
03A-C	MW-3					3	"	X	
04A-C	MW-3 DUP					3	"	X	
05A-B	TRIP BLANK		↓	↓	↓	2	"	X	

Relinquished by: (Signature) [signature] DATE 9/14/95 TIME 1555
Received by: (Signature) [signature] DATE 9/14/95 TIME 1555

Relinquished by: (Signature) DATE TIME
Received by: (Signature) DATE TIME

Relinquished by: (Signature) DATE TIME
Received by: (Signature) DATE TIME

Method of Shipment: Hand Delivered

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) Bulk Sample 10) Other ___ 11) Other ___

COPIES: WHITE - ORIGINAL YELLOW - PROJECT FILE PINK - CLIENT

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: 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	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	08/22/95
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: 950824S
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	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: 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	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	19 *	5	ug/L	08/23/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	08/23/95
1,2-Dichloropropane	[illegible]	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	(540) *	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

[redacted] il [redacted] il Grove Valve [redacted] A[redacted] erican [redacted] Envi[redacted] menta[redacted] Ne[redacted] rk [redacted] AEN [redacted]

3149 Vincent Road, Pleasant Hill, CA 945..
Phone (510) 930-9090
FAX (510) 930 0256

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Address: 6529 Hollis St.
Emeryville, CA 94608
Contact: Bill Tallent
Alt Contact:

Lab Job Number: 9508-245
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) 655-7700 x214
Client Phone No.: 510-655-7700
Client FAX No.: 510-308-4048

Address Report To:
Bill Talent
Grove Valve + Regulator Co.
6529 Hollis St.
Emeryville, CA 94608

Send Invoice To:
1. Same

Send Report To: (1) or 2 (Circle one)

Client P.O. No.: ______ Client Project I.D. No.: ______

Sample Team Member(s): Jacki Lee

ANALYSIS: 624 (8240) — 8/18/95 RO

Lab Number	Client Sample Identification	Air Volume	Date/Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	624 (8240)	Comments / Hazards
1AB	MW-1		8/18/95 / 1130	W(7)	HCl	2	VOC	X	Client notified but TAT available is Wednesday afternoon. R. Reyes
2AB	MW-2		8/18/95 / 1235	W(7)	HCl	2	VOC	X	
3AB	MW-3		8/18/95 / 1320	W(7)	HCl	2	VOC	X	
			8/18/95						8240 per past history - Not 624 R. Reyes
									Samples Taken 8/18/95 per B. Tallent

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/18/95	1345	[signature] Michael E. LeMiller	8/18/95	15:20
[signature] Michael E. LeMiller	8/18/95	16:25	[signature]	8-18-95	1625

Method of Shipment: AEN COURIER

Lab Comments:

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25 mm 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 ______

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: [illegible]

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	QC Limits 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 ***

Report Information

1. Client: Grove Valve and Regulator Co
Address: 11100 West Airport Blvd.
Stafford TX 77477-3917
Contact: Bill Talent
Alt. Contact:

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

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9511290
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Results Required:
Date Report Required: 11 DAY TAT
Client Phone No.: (713) 568-2211
Client FAX No.: (713) 568-1419

Address Report To:
2. Steve Os #1

Send Invoice To:
3. Steve Os #1

Send Report To: (1) or 2 (Circle one)

Client P.O. No.: PB60146 Client Project I.D. No.:

Sample Team Member (s) Stephen Pinson / Jacki Lee (ESS)

Lab Number	Client Sample Identification	Air Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	ANALYSIS	Comments / Hazards
01 AB	TB-1 Blank		11/6/95	7	HCl	3	VOA	X	
02 A-C	MW-1		11/6/95 / 1100	7	HCl	3		X	
03 A-C	MW-2		11/6/95 / 1305	7	HCl	3		X	
04 A-C	MW-3 Duplicate		11/6/95 / 1305	7	HCl	3		X	
05 A-C	MW-3		11/6/95 / 1330	7	HCl	3		X	

Relinquished by: (Signature)	DATE 11/7/95	TIME 1136	Received by: (Signature) DATE 11/7/95 TIME 1736
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) Bulk Sample
10) Other ____ 11) Other ____

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

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	QC Limits 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 ***

Reporting Information:

[redacted] Am[redacted]can [redacted]vir[redacted]ent[redacted]Net[redacted]k [redacted] **AEN** [redacted] P[redacted]

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

6 3.5-1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

1. Client: Grove Valve & Regulator Co.
Address: 1100 W. Airport Blvd.
Stafford, Texas 77477-3014
Contact: Bill Tallent
Alt. Contact:

Lab Job Number: 9601076
Lab Destination: Pleasant Hill
Date Samples Shipped:
Lab Contact:
Date Results Required: Normal TAT
Date Report Required: See item #2
Client Phone No.: (713) 568-2211
Client FAX No.: (713) 568-1414

Address Report To:

2. Also Fax Results to.
Environmental Management & Engineering Inc.
Attn. Gene Gonsoulin at
(205) 940-7701

Send Invoice To:

3. same as #1.

Send Report To: (1) or (2) (Circle one)

Client P.O. No.: [redacted] P8LONG Client Project I.D. No.:

Sample Team Member (s) Jack Lee / Stephen Pieman

Lab Number	Client Sample Identification	Air Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	8240									Comments / Hazards
01A-C	MW-1		1/9/96: 1015	7	HCl	3	VOC	X									please print
02A-C	MW-3		1/9/96: 1205	7	HCl	3	VOC	X									
03A-C	MW-3 DUP		1/9/96: 1205	7	HCl	3	VOC	X									results
04A-C	MW-2		1/9/96: 1130	7	HCl	3	VOC	X									
05A-B	Travel Blank		1/9/96: 0800	7	HCl	2	VOC	X		7	AU	TB					as soon as
																	available
																	SEE BOX #2

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
[signature]	1/9/96	1404	[signature]	1/9/96	1404
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) Bulk Sample
10) Other _____ 11) Other _____

COPIES WHITE JOB FILE YELLOW PROJECT FILE PINK CLIENT

DOHS Certification: 1172 AIHA Accreditation: 11134

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

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

REPORT DATE: 05/09/96

DATE(S) SAMPLED: 04/29/96

DATE RECEIVED: 04/29/96

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 Svoboda, 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.

QUALITY CONTROL REPORT

ANALYSIS: Oil & Grease (IR)

MATRIX: Water

METHOD BLANK SAMPLES

SAMPLE TYPE: Blank-Method/Media blank
INSTRUMENT: IR Spectrophotometer
UNITS: mg/L
METHOD: SM 5520C

LAB ID: BLNK-0507-1
PREPARED: 05/07/96
ANALYZED: 05/07/96

INSTR RUN: IR\960503000000/15/
BATCH ID: IRW050396-1
DILUTION: 1.000000

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

METHOD SPIKE SAMPLES

SAMPLE TYPE: Laboratory Control Spike
INSTRUMENT: IR Spectrophotometer
UNITS: mg/L
METHOD: SM 5520C

LAB ID: LCSW-0507-1
PREPARED: 05/07/96
ANALYZED: 05/07/96

INSTR RUN: IR\960503000000/16/15
BATCH ID: IRW050396-1
DILUTION: 1.000000

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

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

Reporting Information:

1. Client: Grove Valve and Regulator Co.
Address: 11100 W. Airport Blvd.
Stafford, TX 77477-3014
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-1,5-6 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 Byars
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 Mgt and Engineering Inc.
Attention: Gene Gonsoulin @
(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. Penman/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 5520 C	Comments / Hazards
01AB	MW-3		4/29/96 12:00	7	HCl	2	glass liter	X	Standard Turnaround (7 Days)
02AB	MW-3 Dup		4/29/96 12:00	7	HCl	2	glass liter	X	"
03AB	MW-2		4/29/96 13:20	7	HCl	2	glass liter	X	"
04AB	MW-1		4/29/96 13:20	7	HCl	2	glass liter	X	"

Relinquished by: (Signature) Stephen Penman	DATE 4-29-96	TIME 14:45	Received by: (Signature) Lei L Pruitt
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)
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) Bulk Sample
10) Other ____ 11) Other ____

COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT

DRS-95-E942

AMERICAN ENVIRONMENTAL NETWORK (AEN) Job Number DRS-95-E942

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

TO: Bill Tallent / Gene Gonsolin
Grove Valve / Envt. Mgt & Engr. Inc.

AEN PROJ. NO: 9604167

CLIENT PROJ. ID: PB0146

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/ 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	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
1,1,2Trichlorotrifluoroethane	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-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	56-23-5	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	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

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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

Reporting Information

1. Client: Grove Valve and Regulator Co.
Address: 11100 W. Airport Blvd.
Stafford, Texas 77477
Contact: Bill Tallent
Alt. Contact:

American Environmental Network

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

AEN

Page 1 of 1

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: 9604167
Lab Destination: AEN Pleasant Hill
Date Samples Shipped: 4/11/96
Lab Contact: Robin Byars
Date Results Required: 4/22/96 Normal Turnaround 7 Days
Date Report Required:
Client Phone No.: (800) 847-1099 or (713) 568-3211
Client FAX No.: (713) 568-1491

Address Report To:

2. Also Fax a Copy of results to:
Environmental Mngt. 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.: PB601460 Client Project I.D. No.: Emeryville, CA

Sample Team Member (s) Jacki Lee / Steve Penman

Lab Number	Client Sample Identification	Air Volume	Date/ Time Collected	Sample Type*	Pres.	No. of Cont.	Type of Cont.	8240	Comments / Hazards
01AB	Travel Blank		4/11/96 1015	7	HCl	2	VOC	X	Standard Turnaround - 7 Days
02A-C	MW-2		4/11/96 1345	7	HCl	3	VOC	X	
03A-C	MW-3		4/11/96 1415	7	HCl	3	VOC	X	
04A-C	MW-3 DUPLICATE		4/11/96 1415	7	HCl	3	VOC	X	
05A-C	MW-1		4/11/96 1550	7	HCl	3	VOC	X	
									4-18-96 pm per Bill Tallent, change analysis to

Relinquished by: (Signature)	DATE 4/11/96	TIME 1800	Received by: (Signature)
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)
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) Bulk Sample
10) Other ____ 11) Other ____

COPIES: WHITE: JOB FILE YELLOW: PROJECT FILE PINK: CLIENT

APR-22-96 MON 17:06 AEN CALIFORNIA FAX NO. 5109300256 P. 12/12