Environmental Management & Engineering, Inc.

February 25, 1997

VIA AIRBORNE EXPRESS

Ms. Susan L. Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

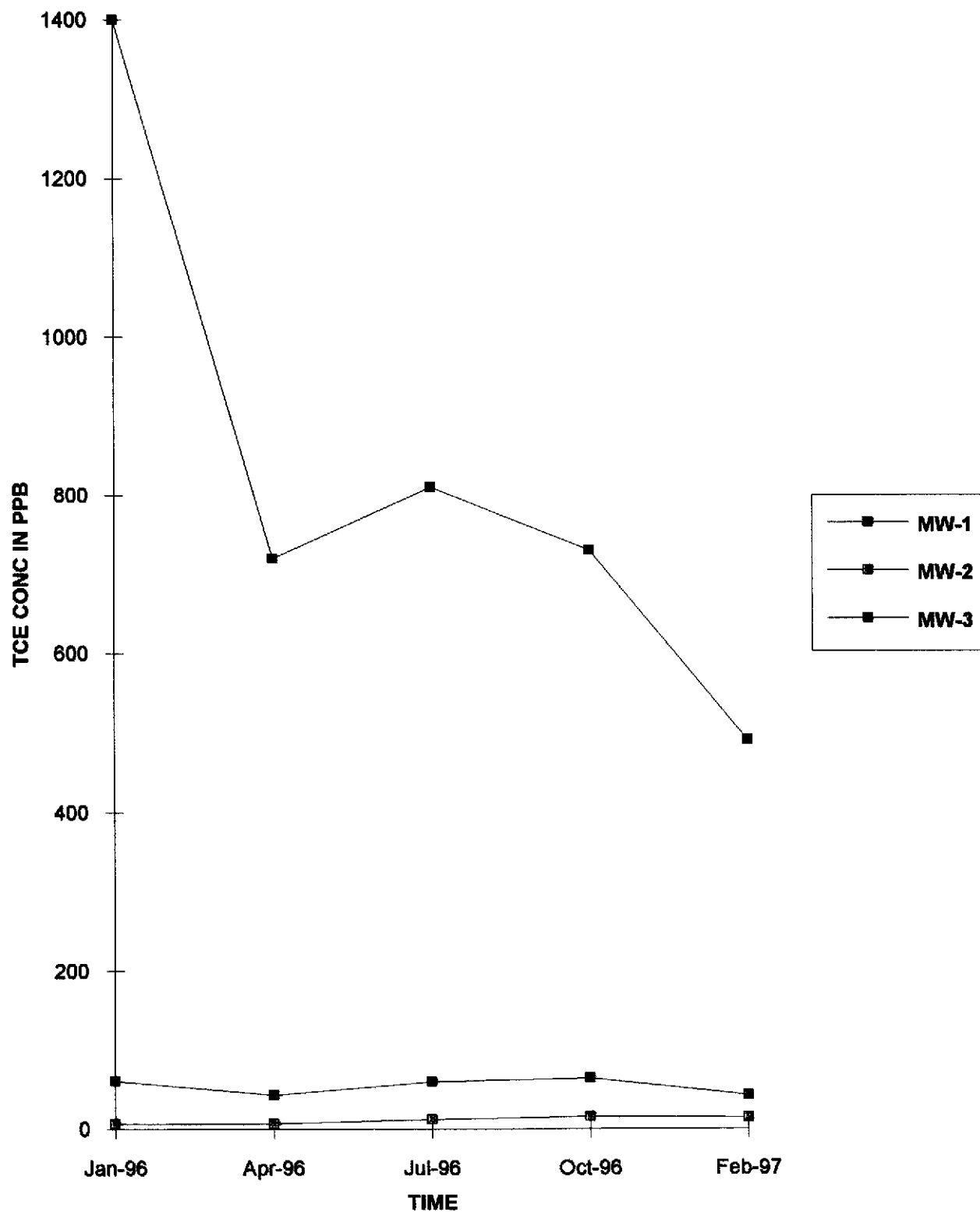RE: Grove Valve and Regulator Company, Emeryville, CA
       DRS-95-E942

Dear Ms. Hugo:

As you are aware, Grove Valve and Regulator Company (Grove) has been conducting quarterly groundwater monitoring at their former facility located at 6529 Hollis Street, Emeryville, CA. As previously stated in EME's report dated January 14, 1997 entitled "Quarterly Report - 4th Quarter 1996" and in our telephone conversation of February 20, 1997, Grove has proposed reducing the monitoring frequency from quarterly to annual monitoring for a period of two years.   The proposal was based on the following information:
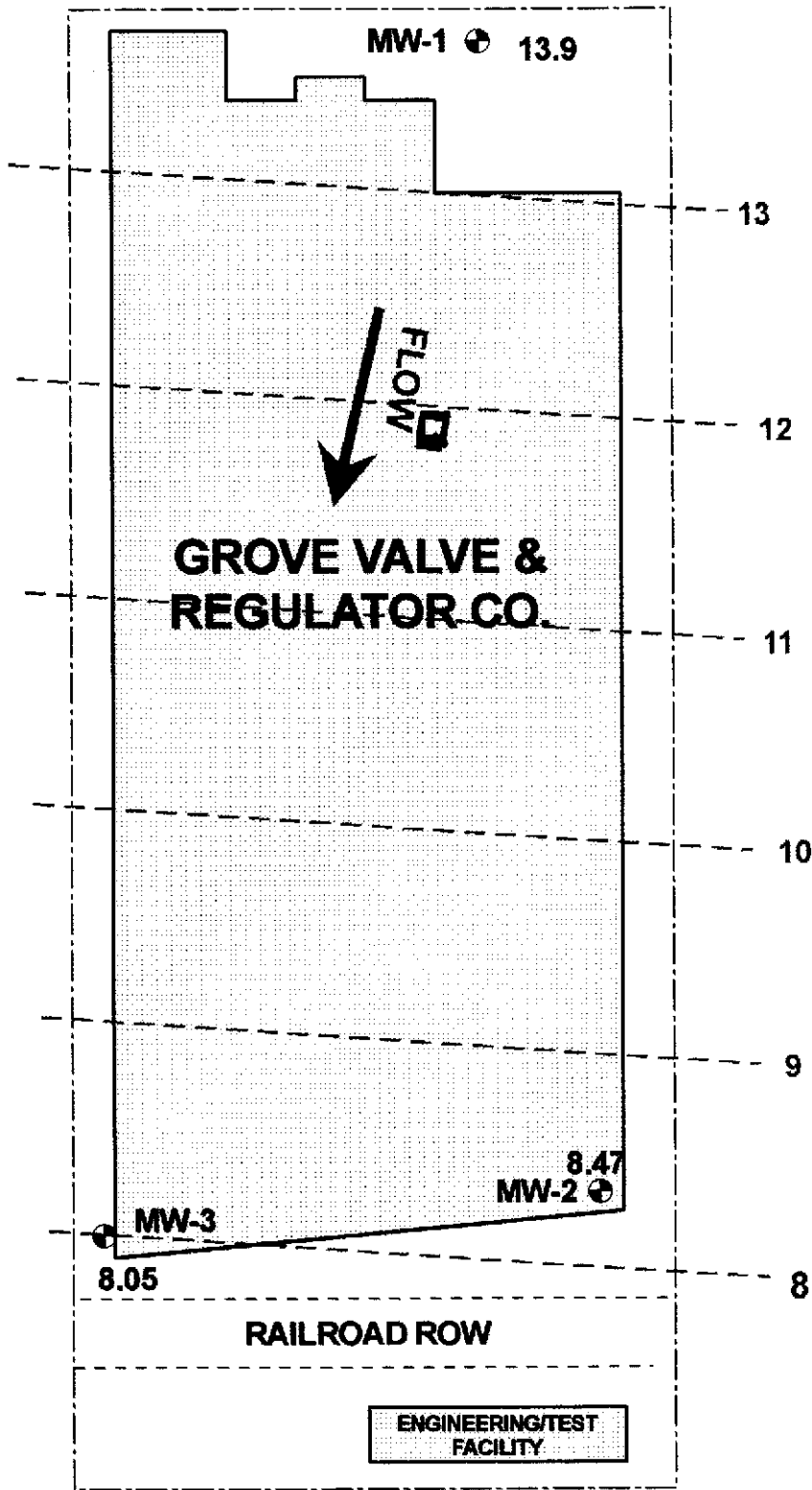
- A review of the history of groundwater analytical data indicates that the TCE concentration in the groundwater is declining with time. Per our conversation, please find enclosed the laboratory analytical results (Attachment 1) of the most recent groundwater sampling (February 4, 1997) conducted at the former Grove facility. The results indicate that the TCE concentrations in the groundwater continue to decline. As shown on Figure 1, the TCE concentration in the groundwater in MW-3 showed reduction from 1400 μg/L (January 1996) to 520 μg/L. Figure 2 shows the location of the groundwater monitoring wells and flow direction.

- Previous off-site investigations (by neighboring industries) have indicated that the groundwater contamination is area wide.

- Previous investigations conducted at the Grove Valve and Regulator company have not identified any apparent on-site source for the TCE (and breakdown product) contamination which has been detected in the area groundwater. The continued presence of TCE in the upgradient monitoring well and the fact that Grove has no history of TCE use indicates that the groundwater contamination consists of a migrating slug of contaminants from off-site source(s).

FIGURE 1 - SUMMARY OF QUARTERLY GROUNDWATER MONITORING RESULTS
GROVE VALVE AND REGULATOR COMPANY, EMERYVILLE, CA

MW-1 IS LOCATED ON THE UPGRADIENT PROPERTY BOUNDRY

MW-1 ⊕ 13.9

— 13

FLOW

GROVE VALVE & REGULATOR CO.

GROUNDWATER CONTOURS
AND ELEVATIONS (FEET MSL)
October 28, 1996

— 12

— 11

— 10

— 9

8.47
MW-2 ⊕

MW-3 ⊕
8.05

— 8

RAILROAD ROW

ENGINEERING/TEST
FACILITY

N

ENVIRONMENTAL MANAGEMENT & ENGINEERING INC.

Birmingham , AL   Houston, TX

Description:	FIGURE 2 GROUNDWATER LEVELS AND GRADIENT	
Date: 11/27/96	Project No.: DRS-95-E942	
Drawn By: GP/MKH	Scale: NTS	

Ms. Susan L. Hugo
Alameda County Health Care Services Agency
February 25, 1997
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Based on the above information, on behalf of Grove Valve and Regulator Company, we are hereby requesting your consideration regarding our proposal to reduce the frequency of groundwater monitoring from quarterly to annual monitoring for the next two years. We feel that this sampling interval and period will provide adequate data regarding the migrating plume of contamination to allow evaluation of the need for continued monitoring.

Should you have any questions, feel free to call our office at (205) 940-7700. Thank you for your kind consideration.

Sincerely,

Kevin Holloran
Manager, Technical Services

KH/jjf

cc: Mr. Lee DeNooyer
       Mr. Bill Tallent

ATTACHMENT 1 -- Laboratory Analytical Results

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
AEN LAB NO: 9702034-01
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8010 - Water matrix	EPA 8010				
Bromodichloromethane	75-2/-4	ND	0.5	ug/L	02/12/97
Bromoform	75-25-2	ND	0.5	ug/L	02/12/97
Bromomethane	74-83-9	ND	2	ug/L	02/12/97
Carbon Tetrachloride	56-23-5	ND	0.5	ug/L	02/12/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/12/97
Chloroethane	75-00-3	ND	2	ug/L	02/12/97
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5	ug/L	02/12/97
Chloroform	67-66-3	ND	0.5	ug/L	02/12/97
Chloromethane	74-87-3	ND	2	ug/L	02/12/97
Dibromochloromethane	124-48-1	ND	0.5	ug/L	02/12/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/12/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/12/97
1,4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/12/97
Dichlorodifluoromethane	75-71-8	ND	2	ug/L	02/12/97
1,1-Dichloroethane	75-34-3	ND	0.5	ug/L	02/12/97
1,2-Dichloroethane	107 06-2	ND	0.5	ug/L	02/12/97
1,1-Dichloroethene	75-35-4	ND	0.5	ug/L	02/12/97
cis-1,2-Dichloroethene	156-59-2	ND	0.5	ug/L	02/12/97
trans-1,2-Dichloroethene	156-60-5	ND	0.5	ug/L	02/12/97
1,2-Dichloropropane	78-87-5	ND	0.5	ug/L	02/12/97
cis-1,3-Dichloropropene	10061-01-5	ND	0.5	ug/L	02/12/97
trans-1,3-Dichloropropene	10061-02-6	ND	0.5	ug/L	02/12/97
Methylene Chloride	75-09-2	ND	2	ug/L	02/12/97
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5	ug/L	02/12/97
Tetrachloroethene	127-18-4	ND	0.5	ug/L	02/12/97
1,1,1-Trichloroethane	71-55-6	ND	0.5	ug/L	02/12/97
1,1,2-Trichloroethane	79-00-5	ND	0.5	ug/L	02/12/97
Trichloroethene	79-01-6	ND	0.5	ug/L	02/12/97
Trichlorofluoromethane	75-69-4	ND	2	ug/L	02/12/97
1,1,2Trichlorotrifluoroethane	76-13-1	ND	0.5	ug/L	02/12/97
Vinyl Chloride	75-01-4	ND	2	ug/L	02/12/97
EPA 8020 - Water matrix	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	02/12/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/12/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/12/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/12/97
1,4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/12/97
Ethylbenzene	100-41-4	ND	0.5	ug/L	02/12/97
Toluene	108-88-3	ND	0.5	ug/L	02/12/97
Xylenes, Total	1330-20-7	ND	2	ug/L	02/12/97

GROVE VALVE & REGULATOR CO.

SAMPLE ID: TRIP BLANK
AEN LAB NO: 9702034-01
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

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-1
AEN LAB NO: 9702034-05
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Water Extrn for O&G	IR	-		Extrn Date	02/05/97
Oil & Grease (IR)	SM 5520C	ND	0.5	mg/L	02/07/97
EPA 8010 - Water matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	0.5	ug/L	02/14/97
Bromoform	75-25-2	ND	0.5	ug/L	02/14/97
Bromomethane	74-83-9	ND	2	ug/L	02/14/97
Carbon Tetrachloride	56-23-5	ND	0.5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/14/97
Chloroethane	75-00-3	ND	2	ug/L	02/14/97
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5	ug/L	02/14/97
Chloroform	67-66-3	ND	0.5	ug/l	02/14/97
Chloromethane	74-87-3	ND	2	ug/L	02/14/97
Dibromochloromethane	124-48-1	ND	0.5	ug/L	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/14/97
1,4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/14/97
Dichlorodifluoromethane	75-71-8	ND	2	ug/L	02/14/97
1,1-Dichloroethane	75-34-3	ND	0.5	ug/L	02/14/97
1,2-Dichloroethane	107-06-2	ND	0.5	ug/L	02/14/97
1,1-Dichloroethene	75-35-4	ND	0.5	ug/L	02/14/97
cis-1,2-Dichloroethene	156-59-2	10 *	0.5	ug/L	02/14/97
trans-1,2-Dichloroethene	156-60-5	3.0 *	0.5	ug/L	02/14/97
1,2-Dichloropropane	78-87-5	ND	0.5	ug/L	02/14/97
cis-1,3 Dichloropropene	10061-01-5	ND	0.5	ug/l.	02/14/97
trans-1,3-Dichloropropene	10061-02-6	ND	0.5	ug/L	02/14/97
Methylene Chloride	75-09-2	ND	2	ug/L	02/14/97
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5	ug/L	02/14/97
Tetrachloroethene	127-18-4	ND	0.5	ug/L	02/14/97
1,1,1-Trichloroethane	71-55-6	ND	0.5	ug/L	02/14/97
1,1,2-Trichloroethane	79-00-5	ND	0.5	ug/L	02/14/97
Trichloroethene	79-01-6	42 *	0.5	ug/L	02/14/97
Trichlorofluoromethane	75-69-4	ND	2	ug/L	02/14/97
1,1,2Trichlorotrifluoroethane	76-13 1	ND	0.5	ug/L	02/14/97
Vinyl Chloride	75-01-4	ND	2	ug/L	02/14/97
EPA 8020 - Water matrix	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/14/97

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-1
AEN LAB NO: 9702034-05
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/14/97
Ethylbenzene	100-41-4	ND	0.5	ug/L	02/14/97
Toluene	108-88-3	ND	0.5	ug/L	02/14/97
Xylenes, Total	1330-20-7	ND	2	ug/L	02/14/97

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: 9702034-02
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Water Extrn for O&G	IR	-		Extrn Date	02/05/97
Oil & Grease (IR)	SM 5520C	ND	0.5	mg/L	02/07/97
EPA 8010 - Water matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	0.5	ug/L	02/14/97
Bromoform	75-25-2	ND	0.5	ug/L	02/14/97
Bromomethane	74-83-9	ND	2	ug/L	02/14/97
Carbon Tetrachloride	56-23-5	ND	0.5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/14/97
Chloroethane	75-00-3	ND	2	ug/L	02/14/97
2-Chloroethyl Vinyl Ether	110 75-8	ND	0.5	ug/L	02/14/97
Chloroform	67-66-3	ND	0.5	ug/L	02/14/97
Chloromethane	74-87-3	ND	2	ug/L	02/14/97
Dibromochloromethane	124-48-1	ND	0.5	ug/L	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/14/97
1,4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/14/97
Dichlorodifluoromethane	75-71-8	ND	2	ug/L	02/14/97
1,1-Dichloroethane	75-34-3	2.3 *	0.5	ug/L	02/14/97
1,2-Dichloroethane	107-06-2	ND	0.5	ug/L	02/14/97
1,1-Dichloroethene	75-35 4	ND	0.5	ug/L	02/14/97
cis-1,2-Dichloroethene	156-59-2	1.3 *	0.5	ug/L	02/14/97
trans-1,2-Dichloroethene	156-60-5	ND	0.5	ug/L	02/14/97
1,2-Dichloropropane	78-87-5	ND	0.5	ug/L	02/14/97
cis-1,3-Dichloropropene	10061-01-5	ND	0.5	ug/L	02/14/97
trans-1,3-Dichloropropene	10061-02-6	ND	0.5	ug/L	02/14/97
Methylene Chloride	75-09-2	ND	2	ug/L	02/14/97
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5	ug/L	02/14/97
Tetrachloroethene	127-18-4	ND	0.5	ug/l	02/14/97
1,1,1-Trichloroethane	71-55-6	ND	0.5	ug/L	02/14/97
1,1,2-Trichloroethane	79-00-5	ND	0.5	ug/L	02/14/97
Trichloroethene	79-01-6	14 *	0.5	ug/L	02/14/97
Trichlorofluoromethane	75-69-4	ND	2	ug/L	02/14/97
1,1,2Trichlorotrifluoroethane	76-13-1	ND	0.5	ug/L	02/14/97
Vinyl Chloride	75-01-4	ND	2	ug/L	02/14/97
EPA 8020 - Water matrix	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	0.5	ug/L	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	0.5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	0.5	ug/L	02/14/97

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-2
AEN LAB NO: 9702034-02
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1.4-Dichlorobenzene	106-46-7	ND	0.5	ug/L	02/14/97
Ethylbenzene	100-41-4	ND	0.5	ug/L	02/14/97
Toluene	108-88-3	ND	0.5	ug/L	02/14/97
Xylenes. Total	1330-20-7	ND	2	ug/L	02/14/97

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: 9702034-03
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Water Extrn for O&G	IR	-		Extrn Date	02/05/97
Oil & Grease (IR)	SM 5520C	ND	0.5	mg/L	02/07/97
EPA 8010 - Water matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	5	ug/L	02/14/97
Bromoform	75-25-2	ND	5	ug/L	02/14/97
Bromomethane	74-83-9	ND	20	ug/L	02/14/97
Carbon Tetrachloride	56-23-5	ND	5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	5	ug/L	02/14/97
Chloroethane	75-00-3	ND	20	ug/L	02/14/97
2-Chloroethyl Vinyl Ether	110-75-8	ND	5	ug/L	02/14/97
Chloroform	67-66-3	ND	5	ug/L	02/14/97
Chloromethane	74-87-3	ND	20	ug/L	02/14/97
Dibromochloromethane	124-48-1	ND	5	ug/L	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	5	ug/L	02/14/97
1,4-Dichlorobenzene	106-46-7	ND	5	ug/L	02/14/97
Dichlorodifluoromethane	75-71-8	ND	20	ug/L	02/14/97
1,1-Dichloroethane	75-34-3	ND	5	ug/L	02/14/97
1,2-Dichloroethane	107-06-2	ND	5	ug/L	02/14/97
1,1-Dichloroethene	75-35-4	ND	5	ug/L	02/14/97
cis-1,2-Dichloroethene	156-59-2	21 *	5	ug/L	02/14/97
trans-1,2 Dichloroethene	156-60-5	ND	5	ug/L	02/14/97
1,2-Dichloropropane	78-87-5	ND	5	ug/L	02/14/97
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	02/14/97
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	02/14/97
Methylene Chloride	75-09-2	ND	20	ug/L	02/14/97
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	02/14/97
Tetrachloroethene	127-18-4	8 *	5	ug/L	02/14/97
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	02/14/97
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	02/14/97
Trichloroethene	79-01-6	490 *	5	ug/L	02/14/97
Trichlorofluoromethane	75-69-4	ND	20	ug/L	02/14/97
1,1,2Trichlorotrifluoroethane	76-13-1	ND	5	ug/L	02/14/97
Vinyl Chloride	75-01-4	ND	20	ug/L	02/14/97
EPA 8020 - Water matrix	EPA 8020				
Benzene	71-43-2	ND	5	ug/L	02/14/97
Chlorobenzene	108-90-7	ND	5	ug/l	02/14/97
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	02/14/97
1,3-Dichlorobenzene	541-73-1	ND	5	ug/L	02/14/97

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3
AEN LAB NO: 9/02034-03
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,4-Dichlorobenzene	106-46-7	ND	5	ug/L	02/14/97
Ethylbenzene	100-41-4	ND	5	ug/L	02/14/97
Toluene	108-88-3	ND	5	ug/L	02/14/97
Xylenes, Total	1330-20-/	ND	20	ug/L	02/14/97

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: 9702034-04
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Water Extrn for O&G	IR	-		Extrn Date	02/05/97
Oil & Grease (IR)	SM 5520C	ND	0.5 mg/L		02/07/97
EPA 8010 · Water matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	5 ug/L		02/14/97
Bromoform	75-25-2	ND	5 ug/L		02/14/97
Bromomethane	74-83-9	ND	20 ug/L		02/14/97
Carbon Tetrachloride	56-23-5	ND	5 ug/L		02/14/97
Chlorobenzene	108-90-7	ND	5 ug/L		02/14/97
Chloroethane	75-00-3	ND	20 ug/L		02/14/97
2-Chloroethyl Vinyl Ether	110-75-8	ND	5 ug/L		02/14/97
Chloroform	67-66-3	ND	5 ug/L		02/14/97
Chloromethane	74-87-3	ND	20 ug/L		02/14/97
Dibromochloromethane	124-48-1	ND	5 ug/L		02/14/9/
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		02/14/97
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		02/14/97
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		02/14/97
Dichlorodifluoromethane	75-71-8	ND	20 ug/L		02/14/97
1,1-Dichloroethane	75-34-3	ND	5 ug/L		02/14/97
1,2-Dichloroethane	107-06-2	ND	5 ug/L		02/14/97
1,1-Dichloroethene	75-35-4	ND	5 ug/L		02/14/97
cis-1,2-Dichloroethene	156-59-2	21 *	5 ug/L		02/14/97
trans-1,2-Dichloroethene	156-60-5	ND	5 ug/L		02/14/97
1,2-Dichloropropane	78-87-5	ND	5 ug/L		02/14/97
cis-1,3 Dichloropropene	10061-01-5	ND	5 ug/L		02/14/97
trans-1,3-Dichloropropene	10061-02-6	ND	5 ug/L		02/14/97
Methylene Chloride	75-09-2	ND	20 ug/L		02/14/97
1,1,2,2-Tetrachloroethane	79-34-5	ND	5 ug/L		02/14/97
Tetrachloroethene	127-18-4	8 *	5 ug/L		02/14/97
1,1,1-Trichloroethane	71-55-6	ND	5 ug/L		02/14/97
1,1,2-Trichloroethane	79-00-5	ND	5 ug/L		02/14/97
Trichloroethene	79-01-6	520 *	5 ug/L		02/14/97
Trichlorofluoromethane	75-69-4	ND	20 ug/L		02/14/97
1,1,2Trichlorotrifluoroethane	76-13-1	ND	5 ug/L		02/14/97
Vinyl Chloride	75-01-4	ND	20 ug/L		02/14/97
EPA 8020 · Water matrix	EPA 8020				
Benzene	71-43-2	ND	5 ug/L		02/14/97
Chlorobenzene	108-90-7	ND	5 ug/L		02/14/97
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		02/14/97
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		02/14/97

GROVE VALVE & REGULATOR CO.

SAMPLE ID: MW-3 DUP
AEN LAB NO: 9702034-04
AEN WORK ORDER: 9702034
CLIENT PROJ. ID: PB75254

DATE SAMPLED: 02/04/97
DATE RECEIVED: 02/04/97
REPORT DATE: 02/18/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,4-Dichlorobenzene	106-46-7	ND	5	ug/L	02/14/97
Ethylbenzene	100-41-4	ND	5	ug/L	02/14/97
Toluene	108-88-3	ND	5	ug/L	02/14/97
Xylenes, Total	1330-20-7	ND	20	ug/L	02/14/97

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

Project Footnotes

The following footnotes apply to the indicated project samples **and will appear on the final report** (except as noted):

Client IDs	AEN IDs	Test	Footnotes
	06	8240(w)	07

Footnotes

01: Reporting limits (RLs) elevated due to matrix interference.

02: RL(s) elevated for _____ due to hydrocarbon interference.

03: RL(s) elevated for _____ due to hydrocarbon interference in the _____ range.

04: RL(s) elevated due to high levels of target compounds. Sample(s) run at dilution.

05: RL(s) elevated due to high levels of non-target compounds. Sample(s) run at dilution.

06: RL(s) elevated for _____ due to background contamination.

07: Duplicate analysis showed surrogate recoveries outside of QC limits. Results are estimated concentrations.

08: Due to an apparent matrix effect, it was necessary to dilute sample(s) to achieve adequate surrogate recoveries. RL(s) have been adjusted accordingly.

09: Sample showed non-target compounds. (Will not appear on report unless requested by client).

10: Non-typical _____ pattern observed. (Will not appear on report unless requested by client).

* : _____

**: _____

The following information will not appear on the final report unless requested:

AEN Job No: 9702034   Client Project ID: PB75254

Project Footnotes

The following footnotes apply to the indicated project samples **and will appear** on the final report (except as noted):

Client IDs	AEN IDs	Test	Footnotes
	3,4	8010	04

Footnotes

01: Reporting limits (RLs) elevated due to matrix interference.

02: RL(s) elevated for _____ due to hydrocarbon interference.

03: RL(s) elevated for _____ due to hydrocarbon interference in the _____ range.

04: RL(s) elevated due to high levels of target compounds. Sample(s) run at dilution.

05: RL(s) elevated due to high levels of non-target compounds. Sample(s) run at dilution.

06: RL(s) elevated for _____ due to background contamination.

07: Duplicate analysis showed surrogate recoveries outside of QC limits. Results are estimated concentrations.

08: Due to an apparent matrix effect, it was necessary to dilute sample(s) to achieve adequate surrogate recoveries. RL(s) have been adjusted accordingly.

09: Sample showed non-target compounds. (Will not appear on report unless requested by client).

10: Non-typical _____ pattern observed. (Will not appear on report unless requested by client).

* : _____

**: _____

The following information will **not appear** on the final report unless requested:

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

Reporting Information:

1. Client: Grove Valve & Regulator Co.
   Address: 4100 W. Airport Blvd.
   Stafford, TX 77477-3014
   Contact: Mr. Bill Tallent
   Alt. Contact:

Address Report To:

2. Fax Results To:
   Environmental Management & Engineering Inc.
   Attention: Gene Gonzoulin @
   (205) 940-7701

Send Invoice To:

3. Same As #1

Send Report To: ① or 2 (Circle one)

Client P.O. No. PB75254   Client Project I.D. No.: PB75254 Grove Valve Emeryville, CA

Sample Team Member (s): Steve Roman / Sacki Lee Environmental Sampling Services

Lab Job Number: 9702034
Lab Destination: AEN Pleasant Hill, CA
Date Samples Shipped: 02-04-97
Lab Contact: Robin Byars
Date Results Required: 02-14-97
Date Report Required:
Client Phone No.: (713) 568-2211
Client FAX No.: (713) 568-1414

ANALYSIS

Lab Number	Client Sample Identification	Air Volume	Date/Time Collected	Sample Type*	Pres.	No of Cont.	Type of Cont.	8010/8020	8020C California	8240					Comments / Hazards
01AB	Trip Blank		2/4/97 0800	7	HCl	2	40ml VOCs	2							
02BE	mw-2		2/4/97 1305	7	HCl	5	3 VOC 2-1L	3	2						STANDARD TURNAROUND
03AE	mw-3		2/4/97 1345	7	HCl	5		3	2						
04AE	mw-3 Dup		2/4/97 1315	7	HCl	5		3	2						
05AE	mw-1		2/4/97 1430	7	HCl	5		3	2						
06AC	S30 Airstripper Sample A 1		2/4/97 1500	7	HCl	3	40ml VOC		3						

Relinquished by: (Signature)	DATE 02/04/97	TIME 1552	Received by: (Signature)	DATE 2/4/97	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			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 _____