



August 7, 2000

QUARTERLY GROUNDWATER MONITORING REPORT  
JULY 2000 GROUNDWATER SAMPLING

at

Lim Family Property  
250 8th Street  
Oakland, California

ENVIRONMENTAL  
PROTECTION  
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Submitted by:  
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## 1.0 INTRODUCTION

This report outlines the methods and findings of Aqua Science Engineers, Inc. (ASE)'s quarterly groundwater monitoring at the Lim family property located at 250 8th Street in Oakland, California (*Figures 1 and 2*).

## 2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On July 20, 2000, ASE associate geologist Ian Reed measured the depth to water in each site well using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons or sheen was present on the surface of water in monitoring wells MW-1 and MW-4. Monitoring well MW-2 contained a hydrocarbon sheen. Monitoring well MW-3 contained 0.41-feet of free-floating hydrocarbons. Groundwater elevation data is presented in Table One.

A groundwater elevation (potentiometric surface) contour map is shown as Figure 2. The groundwater flow direction at the site is generally to the west at a gradient of 0.014 feet/foot.

## 3.0 MONITORING WELL SAMPLING

On July 20, 2000, ASE associate geologist Ian Reed collected groundwater samples from monitoring wells MW-1, MW-2, and MW-4 for analysis. Monitoring well MW-3 contained 0.41-feet of free-floating hydrocarbons and therefore was not sampled this quarter. Prior to sampling, the remaining wells were purged of four well casing volumes of groundwater using dedicated polyethylene bailers. The pH, temperature and conductivity of the purge water were monitored during evacuation, and samples were not collected until these parameters stabilized. Samples were collected from each well using dedicated polyethylene bailers. The groundwater samples analyzed for volatile compounds were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, sealed without headspace, labeled, and placed in protective foam sleeves. The samples to be analyzed for extractable range hydrocarbons were contained in 1-liter amber glass bottles. All samples were stored on ice for transport to Chromalab, Inc. of Pleasanton, California under chain of custody. Well sampling purge water was contained in sealed and labeled 55-gallon steel drums and left on-site for temporary storage until off-site disposal can be arranged. See Appendix A for a copy of the well sampling field logs.

#### **4.0 ANALYTICAL RESULTS FOR GROUNDWATER**

All groundwater samples were analyzed by Chromalab for total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 5030/8015M, total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 3510/8015M, benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020. The groundwater samples collected from monitoring wells MW-2 and MW-4 were also analyzed for oil and grease (O&G) by Standard Method 5520. The groundwater samples collected from monitoring wells MW-1 and MW-2 were also analyzed for halogenated volatile organic compounds (HVOCs) by EPA Method 8010. The groundwater samples collected from monitoring well MW-4 were analyzed for volatile organic compounds (VOCs) by EPA Method 8260. The analytical results are tabulated in Tables Two and Three, and copies of the certified analytical report and chain of custody form are included in Appendix B.

#### **5.0 CONCLUSIONS AND RECOMMENDATION**

Overall, the hydrocarbon concentrations were similar to previous quarters sampling results. There are no obvious increasing or decreasing trends in hydrocarbon concentrations present either long or short term. The benzene concentration in groundwater samples collected from all four monitoring wells exceeded the Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water. The BTEX concentrations in groundwater samples collected from monitoring wells MW-3 and MW-4 exceeded the DHS MCLs for drinking water.

Free-floating hydrocarbons in monitoring well MW-3 and injection well IW-5 will continue to be measured and bailed twice a month. ASE will also continue the injection of hydrogen peroxide in groundwater at the site. ASE will install additional groundwater monitoring wells for this project during the next quarter.

#### **6.0 REPORT LIMITATIONS**


The results of this investigation represent conditions at the time of the groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to assist The Lim Family with their environmental needs. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

  
Ian Reed  
Associate Geologist

  
Robert E. Kitay, R.G., R.E.A.  
Senior Geologist



Attachments: Figures 1 and 2  
Appendices A and B

**TABLE ONE**  
Groundwater Elevation Data

| Well I.D.       | Date of Measurement | Top of Casing Elevation (msl) | Depth to Water (feet) | Product Thickness (feet) | Groundwater Elevation (msl) |
|-----------------|---------------------|-------------------------------|-----------------------|--------------------------|-----------------------------|
| MW-1            | 01/30/95            | 25.51                         | 16.21                 |                          | 9.30                        |
|                 | 04/12/95            |                               | 15.71                 |                          | 9.80                        |
|                 | 07/14/95            |                               | 16.71                 |                          | 8.80                        |
|                 | 10/17/95            |                               | 17.72                 |                          | 7.79                        |
|                 | 01/12/96            |                               | 18.03                 |                          | 7.48                        |
|                 | 07/25/96            |                               | 16.82                 |                          | 8.69                        |
|                 | 01/06/97            |                               | 15.60                 |                          | 9.91                        |
|                 | 07/08/97            |                               | 17.31                 |                          | 8.20                        |
|                 | 01/26/98            |                               | 15.21                 |                          | 10.30                       |
|                 | 07/23/98            |                               | 15.38                 |                          | 10.13                       |
|                 | 01/05/99            |                               | 16.82                 |                          | 8.69                        |
|                 | 07/13/99            |                               | 15.89                 |                          | 9.62                        |
|                 | 01/12/00            |                               | 17.44                 |                          | 8.07                        |
|                 | 04/24/00            |                               | 16.37                 |                          | 9.14                        |
| <b>07/20/00</b> | <b>16.30</b>        |                               | <b>9.21</b>           |                          |                             |
| MW-2            | 01/30/95            | 23.99                         | 15.02                 |                          | 8.97                        |
|                 | 04/12/95            |                               | 14.75                 |                          | 9.24                        |
|                 | 07/14/95            |                               | 16.02                 |                          | 7.97                        |
|                 | 10/17/95            |                               | 16.94                 |                          | 7.05                        |
|                 | 01/12/96            |                               | 17.05                 |                          | 6.94                        |
|                 | 07/25/96            |                               | 16.02                 |                          | 7.97                        |
|                 | 01/06/97            |                               | 14.34                 |                          | 9.65                        |
|                 | 07/08/97            |                               | 16.52                 |                          | 7.47                        |
|                 | 01/26/98            |                               | 14.10                 |                          | 9.89                        |
|                 | 07/23/98            |                               | 14.70                 |                          | 9.29                        |
|                 | 01/05/99            |                               | 16.01                 |                          | 7.98                        |
|                 | 07/13/99            |                               | 15.40                 |                          | 8.59                        |
|                 | 01/12/00            |                               | 16.76                 |                          | 7.23                        |
|                 | 04/24/00            |                               | 15.67                 |                          | 8.32                        |
| <b>07/20/00</b> | <b>15.70</b>        |                               | <b>8.29</b>           |                          |                             |
| MW-3            | 01/12/00            | 24.25                         | 16.68                 | 0.01                     | 7.57                        |
|                 | 04/24/00            |                               | 15.58                 | 0.15                     | 8.55*                       |
|                 | <b>07/20/00</b>     |                               | <b>16.01</b>          | <b>0.41</b>              | <b>7.64*</b>                |
| MW-4            | 01/12/00            | 23.71                         | 17.24                 |                          | 6.47                        |
|                 | 04/24/00            |                               | 16.18                 |                          | 7.53                        |
|                 | <b>07/20/00</b>     |                               | <b>16.18</b>          |                          | <b>7.53</b>                 |
| IW-1            | 07/13/99            | 24.05                         | 14.75                 |                          | 9.30                        |
| IW-2            | 07/13/99            | 24.21                         | 15.10                 |                          | 9.11                        |

**TABLE ONE**  
Groundwater Elevation Data

| Well I.D. | Date of Measurement | Top of Casing Elevation (msl) | Depth to Water (feet) | Product Thickness (feet) | Groundwater Elevation (msl) |
|-----------|---------------------|-------------------------------|-----------------------|--------------------------|-----------------------------|
| IW-3      | 07/13/99            | 23.93                         | 15.00                 |                          | 8.93                        |
| IW-4      | 07/13/99            | 23.83                         | Unknown               |                          | Unknown                     |
| IW-5      | 07/13/99            | 24.00                         | 15.50                 | 1.00                     | 8.50*                       |
|           | 07/23/99            |                               | 15.52                 | 1.05                     | 9.32*                       |
|           | 08/03/99            |                               | 15.58                 | 0.64                     | 8.93*                       |
|           | 08/17/99            |                               | 15.62                 | 0.86                     | 9.07*                       |
|           | 08/27/99            |                               | 15.92                 | 0.77                     | 8.70*                       |
|           | 09/10/99            |                               | 15.82                 | 0.56                     | 8.63*                       |
|           | 09/24/99            |                               | 15.57                 | 0.26                     | 8.64*                       |
|           | 10/08/99            |                               | 15.56                 | 0.23                     | 8.62*                       |
|           | 11/02/99            |                               | 15.59                 | 0.22                     | 8.59*                       |
|           | 11/19/99            |                               | 15.64                 | 0.07                     | 8.42*                       |
|           | 12/16/99            |                               | 16.12                 | 0.64                     | 8.39*                       |
| 01/12/00  | 16.54               | 0.28                          | 7.68*                 |                          |                             |
| LUM-1     | 07/14/95            | 23.42                         | Unknown               |                          | Unknown                     |
|           | 10/17/95            |                               | 18.21                 | 1.53                     | 6.43*                       |
|           | 01/12/96            |                               | 18.15                 | 1.35                     | 6.35*                       |
|           | 07/25/96            |                               | 18.08                 | 2.36                     | 7.23*                       |
|           | 01/06/97            |                               | Unknown               |                          | Unknown                     |
|           | 07/08/97            |                               | Unknown               |                          | Unknown                     |
|           | 02/20/98            |                               | 10.03                 | 2.19                     | 15.13*                      |
|           | 01/05/99            |                               | 16.71                 | 1.09                     | 7.58*                       |
| LUM-2     | 07/14/95            | 23.98                         | 17.21                 |                          | 6.77                        |
|           | 10/17/95            |                               | 17.67                 |                          | 6.31                        |
|           | 01/12/96            |                               | 17.89                 | 0.01                     | 6.10*                       |
|           | 07/25/96            |                               | 16.94                 |                          | 7.04                        |
|           | 01/06/97            |                               | 14.35                 |                          | 9.63                        |
|           | 07/08/97            |                               | 17.32                 |                          | 6.66                        |
|           | 02/20/98            |                               | 10.84                 |                          | 13.14                       |
|           | 01/05/99            |                               | 16.51                 |                          | 7.47                        |

Notes:

\* = Adjusted for the presence of free-floating oil by the equation:  
Top of Casing Elevation - Depth to Water + (0.8 x Floating Hydrocarbon Thickness) =  
Groundwater Elevation (Adjusted).

**TABLE TWO**

Summary of Chemical Analysis of Groundwater Samples  
 Petroleum Hydrocarbon Concentrations

All results are in parts per billion

| Well/<br>Date<br>Sampled | TPH<br>Gasoline | TPH<br>Diesel | Benzene       | Toluene         | Ethyl-<br>benzene | Total<br>Xylenes | MTBE              |
|--------------------------|-----------------|---------------|---------------|-----------------|-------------------|------------------|-------------------|
| <u>MW-1</u>              |                 |               |               |                 |                   |                  |                   |
| 01/30/95                 | 740             | 200           | 3             | 5               | 1                 | 4                | --                |
| 04/12/95                 | 400             | 500           | < 0.5         | < 0.5           | 3                 | < 2              | --                |
| 07/14/95                 | 520             | 400           | 1             | < 0.5           | 2                 | 3                | --                |
| 10/17/95                 | 400             | 200           | 0.5           | 1               | 3                 | < 2              | --                |
| 01/12/96                 | 120             | 890           | < 0.5         | < 0.5           | < 0.5             | < 1.0            | < 2.0             |
| 07/08/96                 | 320             | 300           | 0.52          | 2.7             | 1.2               | 2.3              | < 5.0             |
| 01/06/97                 | 110             | 75            | < 0.5         | 0.68            | < 0.5             | < 0.5            | < 5.0             |
| 07/08/97                 | 380             | 290           | < 0.5         | 1.5             | 1.4               | 1.9              | < 5.0             |
| 01/26/98                 | < 50            | < 50          | < 0.5         | < 0.5           | < 0.5             | < 0.5            | < 5.0             |
| 07/23/98                 | 190             | < 50          | 0.54          | 2.8             | 2                 | 1.8              | < 5.0             |
| 01/05/99                 | 200             | < 50          | 1.8           | 1.6             | 3.3               | < 0.5            | < 5.0             |
| 07/13/99                 | 340             | <50           | <0.5          | <0.5            | 2.6               | <0.5             | < 5.0             |
| 01/12/00                 | 300             | 1,000         | 22            | 36              | 5.5               | 24               | < 5.0             |
| 04/24/00                 | 360             | 280*          | < 0.5         | < 0.5           | < 0.5             | 2.1              | < 5.0             |
| <b>07/20/00</b>          | <b>290</b>      | <b>150*</b>   | <b>1.8</b>    | <b>&lt; 0.5</b> | <b>&lt; 0.5</b>   | <b>&lt; 0.5</b>  | <b>&lt; 5.0</b>   |
| <u>MW-2</u>              |                 |               |               |                 |                   |                  |                   |
| 01/30/95                 | 88,000          | 800           | 19,000        | 18,000          | 2,400             | 10,000           | --                |
| 04/12/95                 | 110,000         | 990           | 21,000        | 28,000          | 2,800             | 14,000           | --                |
| 07/14/95                 | 120,000         | 5,000         | 20,000        | 25,000          | 3,200             | 15,000           | --                |
| 10/17/95                 | 190,000         | 4,000         | 15,000        | 26,000          | 4,900             | 23,000           | --                |
| 01/12/96                 | 32,000          | 2,600         | 10,000        | 8,000           | 1,100             | 4,800            | < 2               |
| 07/08/96                 | 110,000         | 2,500         | 20,000        | 18,000          | 2,500             | 12,000           | < 500             |
| 01/06/97                 | 230,000         | 37,000        | 11,000        | 19,000          | 4,300             | 20,000           | < 1,200           |
| 07/08/97                 | 91,000          | 35,000        | 16,000        | 20,000          | 2,700             | 13,000           | < 1,000           |
| 01/26/98                 | 50,000          | 11,000        | 12,000        | 12,000          | 1,600             | 6,700            | < 250             |
| 07/23/98                 | 50,000          | 8,100#        | 11,000        | 8,300           | 1,800             | 7,000            | 1,100             |
| 01/05/99                 | 50,000          | 7,600#        | 12,000        | 12,000          | 2,300             | 9,600            | 1,300             |
| 07/13/99                 | 73,000          | 8,500         | 11,000        | 13,000          | 2,200             | 9,800            | < 500             |
| 01/12/00                 | 63,000          | 11,000        | 10,000        | 12,000          | 1,800             | 7,800            | < 500             |
| 04/24/00                 | 76,000          | 23,000*       | 7,100         | 14,000          | 2,000             | 9,400            | < 500             |
| <b>07/20/00</b>          | <b>68,000</b>   | <b>5,300#</b> | <b>11,000</b> | <b>14,000</b>   | <b>2,300</b>      | <b>11,000</b>    | <b>&lt; 1,000</b> |

**TABLE TWO**

Summary of Chemical Analysis of Groundwater Samples  
 Petroleum Hydrocarbon Concentrations  
 All results are in parts per billion

| Well/<br>Date<br>Sampled | TPH<br>Gasoline                                      | TPH<br>Diesel | Benzene                  | Toluene                  | Ethyl-<br>benzene      | Total<br>Xylenes          | MTBE              |
|--------------------------|--|---------------|--------------------------|--------------------------|------------------------|---------------------------|-------------------|
| <u>MW-3</u>              |  |               |                          |                          |                        |                           |                   |
| 01/12/00                 | 140,000  | 13,000*       | 22,000                   | 19,000                   | 2,400                  | 11,000                    | < 500             |
| 04/24/00                 | 240,000  | 700,000*      | 33,000/<br>35,000        | 52,000/<br>87,000        | 5,700/<br>18,000       | 28,000/<br>84,000         | < 5,000           |
| <b>07/20/00</b>          | <b>NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS</b> |               |                          |                          |                        |                           |                   |
| <u>MW-4</u>              |  |               |                          |                          |                        |                           |                   |
| 01/12/00                 | 99,000   | 7,900*        | 16,000                   | 20,000                   | 2,100                  | 12,000                    | < 2,500           |
| 04/24/00                 | 54,000   | 44,000*       | 3,400/<br>4,500          | 13,000/<br>20,000        | 1,800/<br>2,800        | 8,800/<br>14,000          | < 1,300           |
| <b>07/20/00</b>          | <b>8,000</b>   | <b>3,500</b>  | <b>9,200/<br/>11,000</b> | <b>20,000<br/>22,000</b> | <b>2,500<br/>3,400</b> | <b>12,000/<br/>13,000</b> | <b>&lt; 1,000</b> |
| DHS MCL                  | NE   | NE            | 1                        | 150                      | 700                    | 1,750                     | 13                |
| EPA                      | 5030/  | 3550/         | 8020/                    | 8020/                    | 8020/                  | 8020/                     | 8020              |
| METHOD                   | 8015M  | 8015M         | 8260                     | 8260                     | 8260                   | 8260                      |                   |

Notes:

\* = Hydrocarbon reported is in the early diesel range, and does not match the laboratory standard.

# = Estimated concentration reported due to overlapping fuel patterns.

Non-detectable concentrations noted by the less than sign (<) followed by the detection limit.  
 Most recent data in bold.



**TABLE THREE**  
 Groundwater Analytical Results  
 Oil & Grease and Volatile Organic Compounds  
 All results are in parts per billion

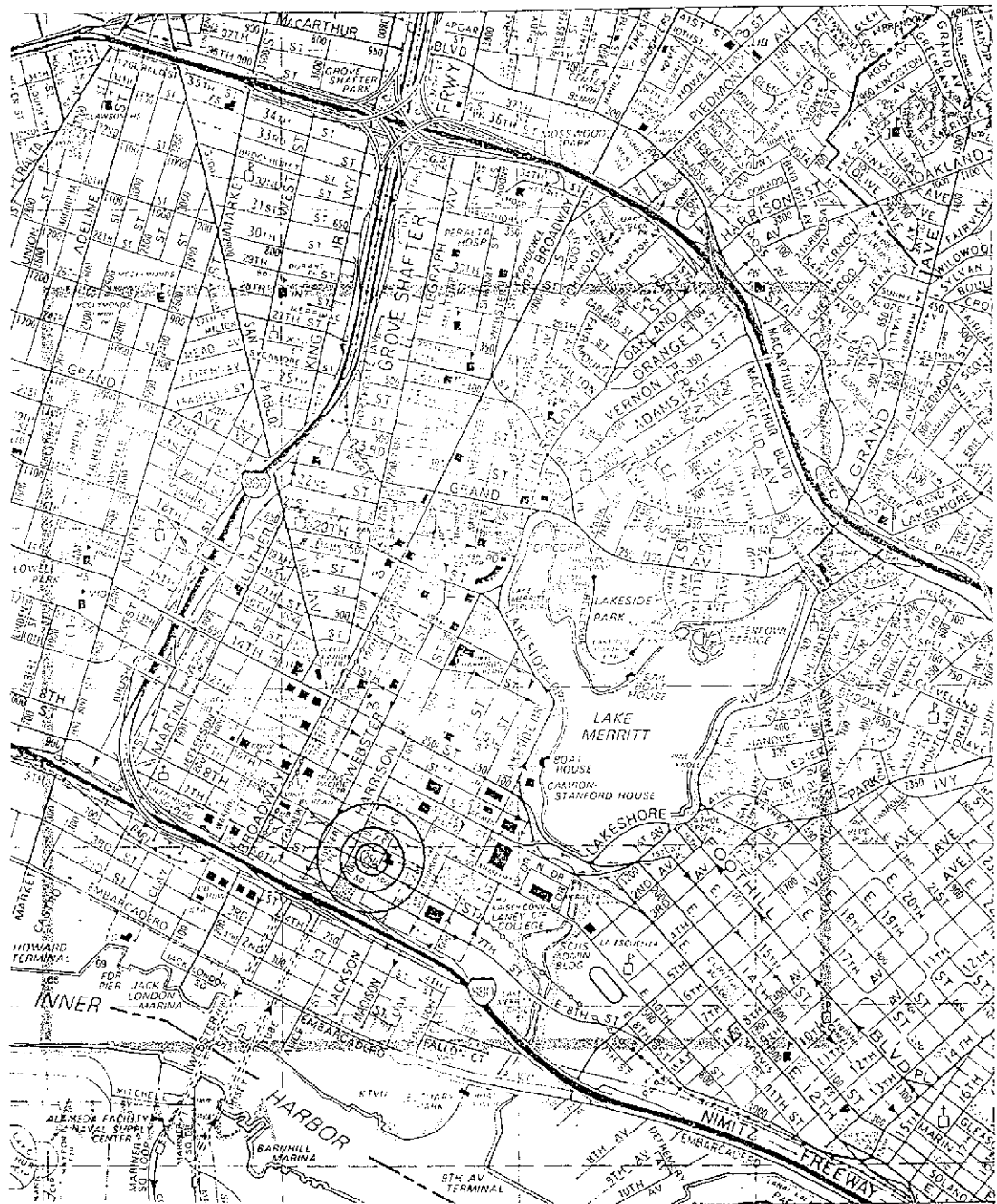
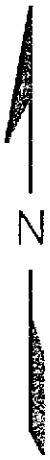
| Date Sampled &<br>Compound Analyzed | MW-1         | MW-2          | MW-3 | MW-4 |
|-------------------------------------|--------------|---------------|------|------|
| <u>7/8/97</u>                       |              |               |      |      |
| Hydrocarbon Oil and Grease          | ---          | < 1,000       | -    | -    |
| Tetrachloroethane (PCE)             | 0.9          | < 0.5         | -    | -    |
| Other VOCs                          | < 0.5 - < 3  | < 0.5 - < 3   | -    | -    |
| <u>1/26/98</u>                      |              |               |      |      |
| Hydrocarbon Oil and Grease          | ---          | < 1,000       | -    | -    |
| Trichloroethene                     | 0.7          | < 5.0         | -    | -    |
| Tetrachloroethene                   | 1.0          | < 5.0         | -    | -    |
| 1,2-Dichloroethane                  | < 0.5        | 1.1           | -    | -    |
| Other VOCs                          | < 0.5 - < 50 | < 0.5 - < 50  | -    | -    |
| <u>7/23/98</u>                      |              |               |      |      |
| Hydrocarbon Oil and Grease          | ---          | < 1,000       | -    | -    |
| Tetrachloroethene                   | 4            | 4.6           | -    | -    |
| 1,2-Dichloroethane                  | < 2          | 9.9           | -    | -    |
| Other VOCs                          | < 2 - < 10   | < 0.5 - < 5.0 | -    | -    |
| <u>1/5/99</u>                       |              |               |      |      |
| Hydrocarbon Oil and Grease          | ---          | < 1,000       | -    | -    |
| Tetrachloroethene                   | 5.1          | < 50          | -    | -    |
| Trichloroethene                     | 0.52         | < 50          | -    | -    |
| 1,1,2,2-Tetrachloroethane           | 0.58         | < 50          | -    | -    |
| Chloroform                          | 8.2          | < 50          | -    | -    |
| Other VOCs                          | < 0.5 - < 5  | < 50 - < 500  | -    | -    |

**TABLE THREE**  
 Groundwater Analytical Results  
 Oil & Grease and Volatile Organic Compounds  
 All results are in parts per billion

| Date Sampled &<br>Compound Analyzed | MW-1          | MW-2          | MW-3             | MW-4           |
|-------------------------------------|---------------|---------------|------------------|----------------|
| <u>7/13/99</u>                      |               |               |                  |                |
| Hydrocarbon Oil and Grease          | ---           | < 1,000       | -                | -              |
| Tetrachloroethene                   | 1.5           | 0.68          | -                | -              |
| Trichloroethene                     | < 0.5         | < 50          | -                | -              |
| 1,1,2,2-Tetrachloroethane           | < 0.5         | < 50          | -                | -              |
| Chloroform                          | 4.6           | < 50          | -                | -              |
| 1,2-Dichloroethane                  | <0.50         | 7.7           | -                | -              |
| Other VOCs                          | < 0.5 - < 5   | < 0.5 - < 500 | -                | -              |
| <u>1/12/00</u>                      |               |               |                  |                |
| Hydrocarbon Oil and Grease          | ---           | < 1,000       | < 1,000          | < 1,000        |
| Tetrachloroethene                   | 0.8           | < 1.0         | < 100            | < 50           |
| Trichloroethene                     | <0.50         | < 1.0         | < 100            | < 50           |
| 1,1,2,2 - Tetrachloroethane         | <0.50         | < 1.0         | < 100            | < 50           |
| Chloroform                          | 3.2           | < 1.0         | < 100            | < 50           |
| 1,2-Dichloroethane                  | <0.50         | 8.8           | 120              | 140            |
| Acetone                             | ---           | ---           | 25,000           | 6,400          |
| Naphthalene                         | ---           | ---           | 550              | 540            |
| Isopropylbenzene                    | ---           | ---           | 120              | 89             |
| Other VOCs                          | < 0.5 - < 5.0 | < 1.0 - < 4.0 | < 100 - < 10,000 | < 50 - < 5,000 |

**TABLE THREE**  
**Groundwater Analytical Results**  
**Oil & Grease and Volatile Organic Compounds**  
All results are in parts per billion

| Date Sampled &<br>Compound Analyzed | MW-1          | MW-2         | MW-3                | MW-4             |
|-------------------------------------|---------------|--------------|---------------------|------------------|
| <u>4/24/00</u>                      |               |              |                     |                  |
| Hydrocarbon Oil and Grease          | ---           | < 1.0        | 4.1                 | < 1.0            |
| Tetrachloroethene                   | < 0.5         | < 5.0        | < 1,000             | < 250            |
| Trichloroethene                     | < 0.5         | < 5.0        | < 1,000             | < 250            |
| 1,1,2,2 - Tetrachloroethane         | < 0.5         | < 5.0        | < 1,000             | < 250            |
| Chloroform                          | < 0.5         | < 5.0        | < 1,000             | < 250            |
| 1,2-Dichloroethane                  | < 0.5         | 5.9          | < 1,000             | < 250            |
| Acetone                             | ---           | ---          | < 100,000           | < 25,000         |
| Naphthalene                         | ---           | ---          | 3,800               | 590              |
| Isopropylbenzene                    | ---           | ---          | 1,200               | < 250            |
| Other VOCs                          | < 0.5 - < 5.0 | < 5.0 - < 20 | < 1,000 - < 100,000 | < 250 - < 25,000 |
| <u>7/20/00</u>                      |               |              |                     |                  |
| Hydrocarbon Oil and Grease          | ---           | < 1.0        |                     | < 1.0            |
| Tetrachloroethene                   | 0.59          | < 5.0        |                     | < 200            |
| Trichloroethene                     | < 0.5         | < 5.0        | FREE                | < 200            |
| 1,1,2,2 - Tetrachloroethane         | < 0.5         | < 5.0        | PRODUCT             | < 200            |
| Chloroform                          | 2.1           | < 5.0        | ---                 | < 200            |
| 1,2-Dichloroethane                  | < 0.5         | 6.7          | NOT                 | < 200            |
| Acetone                             | ---           | ---          | SAMPLED             | < 20,000         |
| Naphthalene                         | ---           | ---          |                     | 730              |
| Isopropylbenzene                    | ---           | ---          |                     | < 200            |
| Other VOCs                          | < 0.5 - < 20  | < 5.0 - < 20 |                     | < 250 - < 20,000 |

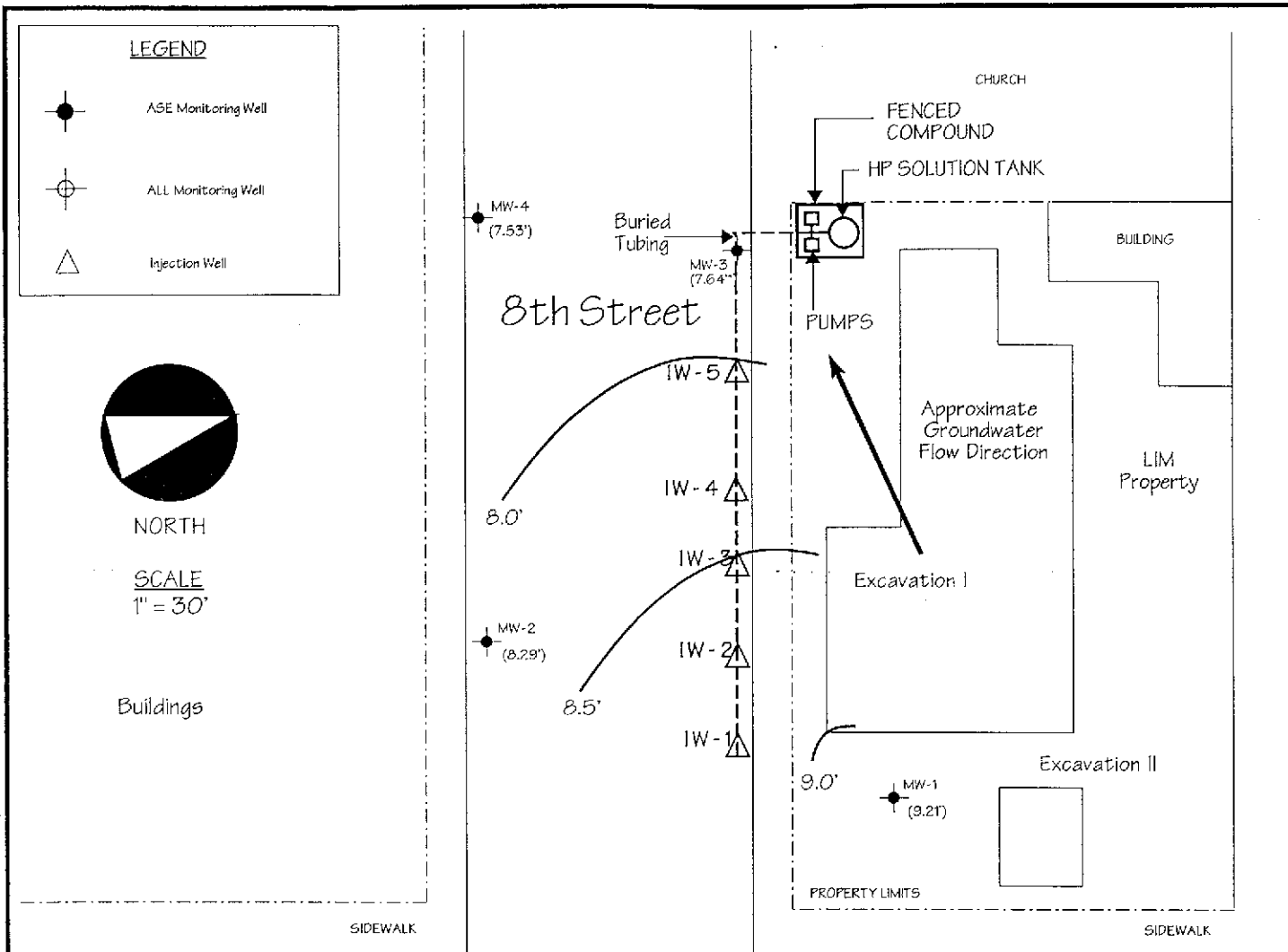


# SITE LOCATION MAP

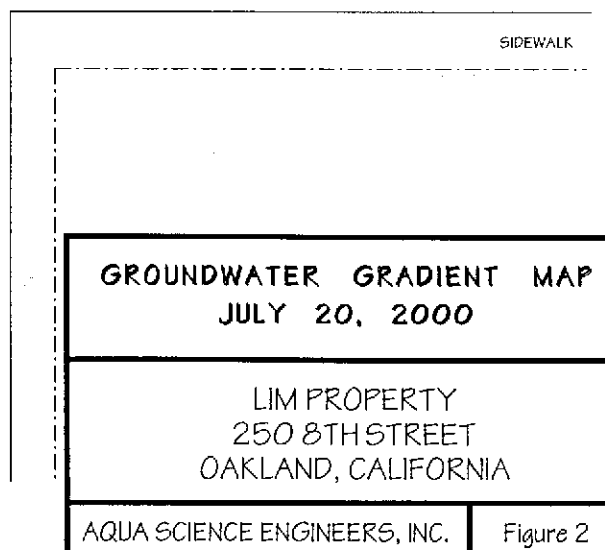
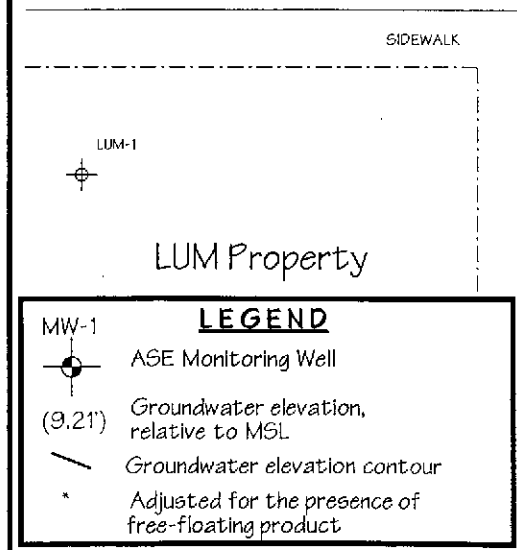
Lim Property  
250 8th Street  
Oakland, California

Aqua Science Engineers

Figure 1

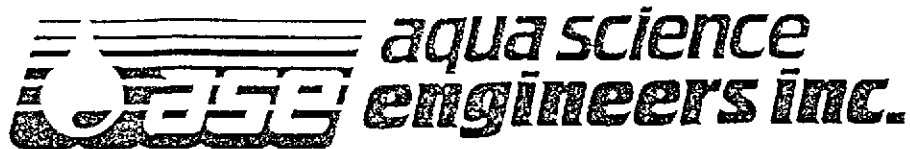


Alice Street



# **APPENDIX A**

Well Sampling Field Log



# WELL SAMPLING FIELD LOG

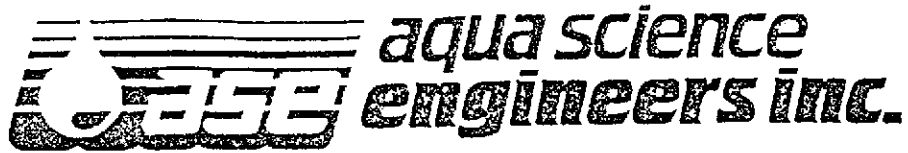
Project Name and Address: LIM  
 Job #: 2808 Date of sampling: 7/20/00  
 Well Name: MP-1 Sampled by: 172  
 Total depth of well (feet): 27.99 Well diameter (inches): 7"  
 Depth to water before sampling (feet): 16.30'  
 Thickness of floating product if any: \_\_\_\_\_  
 Depth of well casing in water (feet): 11.69  
 Number of gallons per well casing volume (gallons): 2.0  
 Number of well casing volumes to be removed: 4  
 Req'd volume of groundwater to be purged before sampling (gallons): 8  
 Equipment used to purge the well: ded. bailer  
 Time Evacuation Began: 1050 Time Evacuation Finished: 1105  
 Approximate volume of groundwater purged: 8  
 Did the well go dry?: NO After how many gallons: ---  
 Time samples were collected: 1110  
 Depth to water at time of sampling: 17.01  
 Percent recovery at time of sampling: 96%  
 Samples collected with: ded. bailer  
 Sample color: gray Odor: HC odor  
 Description of sediment/in sample: fine

## CHEMICAL DATA

| Volume Purged | Temp        | pH          | Conductivity |
|---------------|-------------|-------------|--------------|
| <u>1</u>      | <u>76.0</u> | <u>7.9</u>  | <u>810</u>   |
| <u>2</u>      | <u>76.9</u> | <u>7.91</u> | <u>810</u>   |
| <u>3</u>      | <u>70.0</u> | <u>7.80</u> | <u>870</u>   |
| <u>4</u>      | <u>71.0</u> | <u>7.82</u> | <u>810</u>   |

## SAMPLES COLLECTED

| Sample      | # of containers | Volume & type container | Pres     | Iced?    | Analysis |
|-------------|-----------------|-------------------------|----------|----------|----------|
| <u>MP-1</u> | <u>3</u>        | <u>46ml Vial</u>        | <u>✓</u> | <u>✓</u> |          |
|             | <u>2</u>        | <u>1-liter bag</u>      |          | <u>✓</u> |          |
|             |                 |                         |          |          |          |
|             |                 |                         |          |          |          |



# WELL SAMPLING FIELD LOG

Project Name and Address: LIM  
 Job #: 2003 Date of sampling: 7/20/00  
 Well Name: MW-2 Sampled by: ITZ  
 Total depth of well (feet): 26.78 Well diameter (inches): 2"  
 Depth to water before sampling (feet): 13.70  
 Thickness of floating product if any: —  
 Depth of well casing in water (feet): 11.06  
 Number of gallons per well casing volume (gallons): 1.9  
 Number of well casing volumes to be removed: 4  
 Req'd volume of groundwater to be purged before sampling (gallons): 7.6  
 Equipment used to purge the well: dr. & air  
 Time Evacuation Began: 1200 Time Evacuation Finished: 1215  
 Approximate volume of groundwater purged: 7.6  
 Did the well go dry?: no After how many gallons: —  
 Time samples were collected: 1220  
 Depth to water at time of sampling: 16.08  
 Percent recovery at time of sampling: 97%  
 Samples collected with: dr. & air  
 Sample color: gray Odor: no odor  
 Description of sediment in sample: fine silt

## CHEMICAL DATA

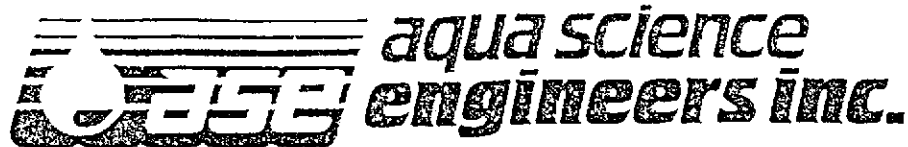
| Volume Purged | Temp | pH   | Conductivity |
|---------------|------|------|--------------|
| 1             | 70.1 | 6.81 | 570          |
| 2             | 70.3 | 6.82 | 580          |
| 3             | 71.4 | 6.80 | 580          |
| 4             | 71.6 | 6.82 | 570          |

## SAMPLES COLLECTED

| Sample | # of containers | Volume & type container | Pres | Iced? | Analysis |
|--------|-----------------|-------------------------|------|-------|----------|
| MW-2   | 3               | 400ml vial              | ✓    | ✓     |          |
|        | 2               | 1.1 liter can           |      | ✓     |          |
|        |                 |                         |      |       |          |
|        |                 |                         |      |       |          |







# WELL SAMPLING FIELD LOG

Project Name and Address: LIM  
 Job #: 2806 Date of sampling: 7/20/00  
 Well Name: MS-4 Sampled by: TR  
 Total depth of well (feet): 26.60 Well diameter (inches): 7"  
 Depth to water before sampling (feet): 16.18  
 Thickness of floating product if any: 10.47  
 Depth of well casing in water (feet): —  
 Number of gallons per well casing volume (gallons): 1.2  
 Number of well casing volumes to be removed: 4  
 Req'd volume of groundwater to be purged before sampling (gallons): 7.2  
 Equipment used to purge the well: old bailer  
 Time Evacuation Began: 1130 Time Evacuation Finished: 1145  
 Approximate volume of groundwater purged: 7.5  
 Did the well go dry?: no After how many gallons: —  
 Time samples were collected: 1150  
 Depth to water at time of sampling: 16.99  
 Percent recovery at time of sampling: 20%  
 Samples collected with: old bailer  
 Sample color: gray Odor: HC odor  
 Description of sediment in sample: 6.5 ft

## CHEMICAL DATA

| Volume Purged | Temp        | pH          | Conductivity |
|---------------|-------------|-------------|--------------|
| <u>1</u>      | <u>21.8</u> | <u>8.10</u> | <u>700</u>   |
| <u>2</u>      | <u>20.8</u> | <u>7.70</u> | <u>710</u>   |
| <u>3</u>      | <u>20.6</u> | <u>7.71</u> | <u>700</u>   |
| <u>4</u>      | <u>21.8</u> | <u>5.71</u> | <u>700</u>   |

## SAMPLES COLLECTED

| Sample      | # of containers | Volume & type container | Pres     | Iced?    | Analysis |
|-------------|-----------------|-------------------------|----------|----------|----------|
| <u>MS-4</u> | <u>3</u>        | <u>4oz LCA</u>          | <u>✓</u> | <u>✓</u> |          |
|             | <u>2</u>        | <u>1.5L LCA</u>         |          | <u>✓</u> |          |
|             |                 |                         |          |          |          |
|             |                 |                         |          |          |          |

# **APPENDIX B**

Certified Analytical Report  
and  
Chain of Custody Documentation

Aqua Science Engineers, Inc.  
208 West El Pintado Road  
Danville, CA 94526

Attn.: Mr. Ian T. Reed

Project: 2808  
LIM Property

Site: 250 8th Street  
Oakland, CA

Dear Mr. Reed,

Attached is our report for your samples received on Friday July 21, 2000  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after August 20, 2000  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [vvancil@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil

Volatile Organic Compounds

|                                     |  |
|-------------------------------------|--|
| Aqua Science Engineers, Inc.        | 208 West El Pintado Road<br>Danville, CA 94526 |
| Attn: Ian T. Reed                   | Phone: (925) 820-9391 Fax: (925) 837-4853      |
| Project #: 2808                     | Project: LIM Property                          |
| Site: 250 8th Street<br>Oakland, CA |  |

Samples Reported

| Sample ID | Matrix | Date Sampled     | Lab # |
|-----------|--------|------------------|-------|
| MW-4      | Water  | 07/20/2000 11:50 | 3     |

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8260A

Attn.: Ian T. Reed

Prep Method: 5030

## Volatile Organic Compounds

|  |                                 |
|--|---------------------------------|
| Sample ID: MW-4                                      | Lab Sample ID: 2000-07-0352-003 |
| Project: 2808<br>LIM Property                        | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA                  | Extracted: 07/31/2000 18:11     |
| Sampled: 07/20/2000 11:50                            | QC-Batch: 2000/07/31-01.39      |
| Matrix: Water  |                                 |
| Sample/Analysis Flag o ( See Legend & Note section ) |                                 |

| Compound                    | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|-----------------------------|--------|-----------|-------|----------|------------------|------|
| Acetone                     | ND     | 20000     | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Benzene                     | 11000  | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Bromodichloromethane        | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Bromoform                   | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Bromomethane                | ND     | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Carbon tetrachloride        | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Chlorobenzene               | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Chloroethane                | ND     | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 2-Butanone(MEK)             | ND     | 20000     | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 2-Chloroethylvinyl ether    | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Chloroform                  | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Chloromethane               | ND     | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Dibromochloromethane        | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,2-Dichlorobenzene         | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,3-Dichlorobenzene         | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,4-Dichlorobenzene         | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,2-Dibromo-3-chloropropane | ND     | 2000      | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,2-Dibromoethane           | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Dibromomethane              | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Dichlorodifluoromethane     | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1-Dichloroethane          | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,2-Dichloroethane          | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1-Dichloroethene          | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| cis-1,2-Dichloroethene      | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| trans-1,2-Dichloroethene    | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,2-Dichloropropane         | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| cis-1,3-Dichloropropene     | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| trans-1,3-Dichloropropene   | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Ethylbenzene                | 3400   | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 2-Hexanone                  | ND     | 20000     | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Methylene chloride          | ND     | 2000      | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 4-Methyl-2-pentanone (MIBK) | ND     | 20000     | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Naphthalene                 | 730    | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Printed on: 07/31/2000 19:08

Page 2 of 7

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8260A

Attn.: Ian T. Reed

Prep Method: 5030

## Volatile Organic Compounds

|  |                                 |
|--|---------------------------------|
| Sample ID: MW-4                                      | Lab Sample ID: 2000-07-0352-003 |
| Project: 2808<br>LIM Property                        | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA                  | Extracted: 07/31/2000 18:11     |
| Sampled: 07/20/2000 11:50                            | QC-Batch: 2000/07/31-01.39      |
| Matrix: Water  |                                 |
| Sample/Analysis Flag o ( See Legend & Note section ) |                                 |

| Compound                  | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|---------------------------|--------|-----------|-------|----------|------------------|------|
| Styrene                   | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1,2,2-Tetrachloroethane | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Tetrachloroethene         | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Toluene                   | 22000  | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1,1-Trichloroethane     | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1,2-Trichloroethane     | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Trichloroethene           | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| 1,1,1,2-Tetrachloroethane | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Vinyl acetate             | ND     | 2000      | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Vinyl chloride            | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Total xylenes             | 13000  | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Trichlorotrifluoroethane  | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Carbon disulfide          | ND     | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Isopropylbenzene          | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Bromobenzene              | ND     | 200       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Bromochloromethane        | ND     | 400       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| Trichlorofluoromethane    | ND     | 800       | ug/L  | 400.00   | 07/31/2000 18:11 |      |
| <b>Surrogate(s)</b>       |        |           |       |          |                  |      |
| 4-Bromofluorobenzene      | 100.9  | 86-115    | %     | 1.00     | 07/31/2000 18:11 |      |
| 1,2-Dichloroethane-d4     | 107.0  | 76-114    | %     | 1.00     | 07/31/2000 18:11 |      |
| Toluene-d8                | 108.4  | 88-110    | %     | 1.00     | 07/31/2000 18:11 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 8260A  
Prep Method: 5030

## Batch QC Report Volatile Organic Compounds

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/31-01.39      |
| MB: 2000/07/31-01.39-001 |       | Date Extracted: 07/31/2000 15:01 |

| Compound                    | Result | Rep.Limit | Units | Analyzed         | Flag |
|-----------------------------|--------|-----------|-------|------------------|------|
| Acetone                     | ND     | 50        | ug/L  | 07/31/2000 15:01 |      |
| Benzene                     | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Bromodichloromethane        | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Bromoform                   | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Bromomethane                | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Carbon tetrachloride        | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Chlorobenzene               | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Chloroethane                | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| 2-Butanone(MEK)             | ND     | 50        | ug/L  | 07/31/2000 15:01 |      |
| 2-Chloroethylvinyl ether    | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Chloroform                  | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Chloromethane               | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Dibromochloromethane        | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,2-Dichlorobenzene         | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,3-Dichlorobenzene         | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,4-Dichlorobenzene         | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,2-Dibromo-3-chloropropane | ND     | 5.0       | ug/L  | 07/31/2000 15:01 |      |
| 1,2-Dibromoethane           | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Dibromomethane              | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Dichlorodifluoromethane     | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,1-Dichloroethane          | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,2-Dichloroethane          | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,1-Dichloroethene          | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| cis-1,2-Dichloroethene      | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| trans-1,2-Dichloroethene    | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,2-Dichloropropane         | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| cis-1,3-Dichloropropene     | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| trans-1,3-Dichloropropene   | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Ethylbenzene                | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 2-Hexanone                  | ND     | 50        | ug/L  | 07/31/2000 15:01 |      |
| Methylene chloride          | ND     | 5.0       | ug/L  | 07/31/2000 15:01 |      |
| 4-Methyl-2-pentanone (MIBK) | ND     | 50        | ug/L  | 07/31/2000 15:01 |      |
| Naphthalene                 | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Styrene                     | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Tetrachloroethene           | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Toluene                     | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,1,1-Trichloroethane       | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| 1,1,2-Trichloroethane       | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Trichloroethene             | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8260A

Attn.: Ian T. Reed

Prep Method: 5030

## Batch QC Report Volatile Organic Compounds

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/31-01.39      |
| MB: 2000/07/31-01.39-001 |       | Date Extracted: 07/31/2000 15:01 |

| Compound                  | Result | Rep.Limit | Units | Analyzed         | Flag |
|---------------------------|--------|-----------|-------|------------------|------|
| 1,1,1,2-Tetrachloroethane | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Vinyl acetate             | ND     | 5.0       | ug/L  | 07/31/2000 15:01 |      |
| Vinyl chloride            | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Total xylenes             | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Trichlorotrifluoroethane  | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Carbon disulfide          | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Isopropylbenzene          | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Bromobenzene              | ND     | 0.5       | ug/L  | 07/31/2000 15:01 |      |
| Bromochloromethane        | ND     | 1.0       | ug/L  | 07/31/2000 15:01 |      |
| Trichlorofluoromethane    | ND     | 2.0       | ug/L  | 07/31/2000 15:01 |      |
| <i>Surrogate(s)</i>       |        |           |       |                  |      |
| 4-Bromofluorobenzene      | 97.0   | 86-115    | %     | 07/31/2000 15:01 |      |
| 1,2-Dichloroethane-d4     | 100.8  | 76-114    | %     | 07/31/2000 15:01 |      |
| Toluene-d8                | 104.6  | 88-110    | %     | 07/31/2000 15:01 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8260A

Attn: Ian T. Reed

Prep Method: 5030

## Batch QC Report

### Volatile Organic Compounds

|                                     |                      |            |                  |                             |                  |
|-------------------------------------|----------------------|------------|------------------|-----------------------------|------------------|
| Laboratory Control Spike (LCS/LCSD) |                      | Water      |                  | QC Batch # 2000/07/31-01.39 |                  |
| LCS:                                | 2000/07/31-01.39-002 | Extracted: | 07/31/2000 13:40 | Analyzed                    | 07/31/2000 13:40 |
| LCSD:                               | 2000/07/31-01.39-003 | Extracted: | 07/31/2000 14:25 | Analyzed                    | 07/31/2000 14:25 |

| Compound              | Conc. [ ug/L ] |      | Exp. Conc. [ ug/L ] |      | Recovery [%] |       |         | RPD      |     | Ctrl. Limits [%] |      | Flags |  |
|-----------------------|----------------|------|---------------------|------|--------------|-------|---------|----------|-----|------------------|------|-------|--|
|                       | LCS            | LCSD | LCS                 | LCSD | LCS          | LCSD  | RPD [%] | Recovery | RPD | LCS              | LCSD |       |  |
| Benzene               | 48.4           | 47.4 | 50.0                | 50.0 | 96.8         | 94.8  | 2.1     | 69-129   | 20  |                  |      |       |  |
| Chlorobenzene         | 54.0           | 52.8 | 50.0                | 50.0 | 108.0        | 105.6 | 2.2     | 61-121   | 20  |                  |      |       |  |
| 1,1-Dichloroethene    | 38.6           | 36.4 | 50.0                | 50.0 | 77.2         | 72.8  | 5.9     | 65-125   | 20  |                  |      |       |  |
| Toluene               | 50.6           | 49.8 | 50.0                | 50.0 | 101.2        | 99.6  | 1.6     | 70-130   | 20  |                  |      |       |  |
| Trichloroethene       | 50.2           | 49.9 | 50.0                | 50.0 | 100.4        | 99.8  | 0.6     | 74-134   | 20  |                  |      |       |  |
| <b>Surrogate(s)</b>   |                |      |                     |      |              |       |         |          |     |                  |      |       |  |
| 4-Bromofluorobenzene  | 482            | 490  | 500                 | 500  | 96.4         | 98.0  |         | 86-115   |     |                  |      |       |  |
| 1,2-Dichloroethane-d4 | 494            | 497  | 500                 | 500  | 98.8         | 99.4  |         | 76-114   |     |                  |      |       |  |
| Toluene-d8            | 508            | 512  | 500                 | 500  | 101.6        | 102.4 |         | 88-110   |     |                  |      |       |  |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Attn: Ian T. Reed

Test Method: 8260A

Prep Method: 5030

## Legend & Notes

Volatile Organic Compounds

### Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

## Halogenated Volatile Organic Compounds

|                                     |  |
|-------------------------------------|--|
| Aqua Science Engineers, Inc.        | ☒ 208 West El Pintado Road<br>Danville, CA 94526 |
| Attn: Ian T. Reed                   | Phone: (925) 820-9391 Fax: (925) 837-4853        |
| Project #: 2808                     | Project: LIM Property                            |
| Site: 250 8th Street<br>Oakland, CA |  |

### Samples Reported

| Sample ID | Matrix | Date Sampled     | Lab # |
|-----------|--------|------------------|-------|
| MW-1      | Water  | 07/20/2000 11:10 | 1     |
| MW-2      | Water  | 07/20/2000 12:20 | 2     |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn: Ian T. Reed

Test Method: 8010  
Prep Method: 5030

## Halogenated Volatile Organic Compounds

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Sample ID: MW-1                     | Lab Sample ID: 2000-07-0352-001 |
| Project: 2808<br>LIM Property       | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA | Extracted: 07/24/2000 13:46     |
| Sampled: 07/20/2000 11:10           | QC-Batch: 2000/07/24-01.25      |
| Matrix: Water                       |                                 |

| Compound                  | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|---------------------------|--------|-----------|-------|----------|------------------|------|
| Dichlorodifluoromethane   | ND     | 1.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Vinyl chloride            | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Chloroethane              | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Trichlorofluoromethane    | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,1-Dichloroethene        | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Methylene chloride        | ND     | 5.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| trans-1,2-Dichloroethene  | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| cis-1,2-Dichloroethene    | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,1-Dichloroethane        | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Chloroform                | 2.1    | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,1,1-Trichloroethane     | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Carbon tetrachloride      | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,2-Dichloroethane        | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Trichloroethene           | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,2-Dichloropropane       | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Bromodichloromethane      | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 2-Chloroethylvinyl ether  | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| trans-1,3-Dichloropropene | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| cis-1,3-Dichloropropene   | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,1,2-Trichloroethane     | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Tetrachloroethene         | 0.59   | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Dibromochloromethane      | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Chlorobenzene             | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Bromoform                 | ND     | 2.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,1,2,2-Tetrachloroethane | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,3-Dichlorobenzene       | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,4-Dichlorobenzene       | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| 1,2-Dichlorobenzene       | ND     | 0.50      | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Trichlorotrifluoroethane  | ND     | 2.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Chloromethane             | ND     | 1.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| Bromomethane              | ND     | 1.0       | ug/L  | 1.00     | 07/24/2000 13:46 |      |
| <b>Surrogate(s)</b>       |        |           |       |          |                  |      |
| 1-Chloro-2-fluorobenzene  | 86.5   | 50-150    | %     | 1.00     | 07/24/2000 13:46 |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 8010  
Prep Method: 5030

## Halogenated Volatile Organic Compounds

|   |                                 |
|---|---------------------------------|
| Sample ID: MW-2                                       | Lab Sample ID: 2000-07-0352-002 |
| Project: 2808<br>LIM Property                         | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA                   | Extracted: 07/24/2000 14:38     |
| Sampled: 07/20/2000 12:20                             | QC-Batch: 2000/07/24-01.25      |
| Matrix: Water   |                                 |
| Sample/Analysis Flag In ( See Legend & Note section ) |                                 |

| Compound                  | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|---------------------------|--------|-----------|-------|----------|------------------|------|
| Dichlorodifluoromethane   | ND     | 10        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Vinyl chloride            | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Chloroethane              | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Trichlorofluoromethane    | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,1-Dichloroethene        | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Methylene chloride        | ND     | 50        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| trans-1,2-Dichloroethene  | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| cis-1,2-Dichloroethene    | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,1-Dichloroethane        | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Chloroform                | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,1,1-Trichloroethane     | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Carbon tetrachloride      | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,2-Dichloroethane        | 6.7    | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Trichloroethene           | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,2-Dichloropropane       | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Bromodichloromethane      | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 2-Chloroethylvinyl ether  | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| trans-1,3-Dichloropropene | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| cis-1,3-Dichloropropene   | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,1,2-Trichloroethane     | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Tetrachloroethene         | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Dibromochloromethane      | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Chlorobenzene             | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Bromoform                 | ND     | 20        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,1,2,2-Tetrachloroethane | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,3-Dichlorobenzene       | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,4-Dichlorobenzene       | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| 1,2-Dichlorobenzene       | ND     | 5.0       | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Trichlorotrifluoroethane  | ND     | 20        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Chloromethane             | ND     | 10        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| Bromomethane              | ND     | 10        | ug/L  | 10.00    | 07/24/2000 14:38 |      |
| <b>Surrogate(s)</b>       |        |           |       |          |                  |      |
| 1-Chloro-2-fluorobenzene  | 74.0   | 50-150    | %     | 1.00     | 07/24/2000 14:38 |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8010

Attn.: Ian T. Reed

Prep Method: 5030

## Batch QC Report

Halogenated Volatile Organic Compounds

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/24-01.25      |
| MB: 2000/07/24-01.25-001 |       | Date Extracted: 07/24/2000 09:29 |

| Compound                  | Result | Rep.Limit | Units | Analyzed         | Flag |
|---------------------------|--------|-----------|-------|------------------|------|
| Dichlorodifluoromethane   | ND     | 1.0       | ug/L  | 07/24/2000 09:29 |      |
| Vinyl chloride            | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Chloroethane              | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Trichlorofluoromethane    | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,1-Dichloroethene        | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Methylene chloride        | ND     | 5.0       | ug/L  | 07/24/2000 09:29 |      |
| trans-1,2-Dichloroethene  | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| cis-1,2-Dichloroethene    | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,1-Dichloroethane        | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Chloroform                | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,1,1-Trichloroethane     | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Carbon tetrachloride      | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,2-Dichloroethane        | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Trichloroethene           | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,2-Dichloropropane       | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Bromodichloromethane      | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 2-Chloroethylvinyl ether  | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| trans-1,3-Dichloropropene | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| cis-1,3-Dichloropropene   | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,1,2-Trichloroethane     | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Tetrachloroethene         | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Dibromochloromethane      | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Chlorobenzene             | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Bromoform                 | ND     | 2.0       | ug/L  | 07/24/2000 09:29 |      |
| 1,1,1,2-Tetrachloroethane | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,3-Dichlorobenzene       | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,4-Dichlorobenzene       | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| 1,2-Dichlorobenzene       | ND     | 0.5       | ug/L  | 07/24/2000 09:29 |      |
| Trichlorotrifluoroethane  | ND     | 2.0       | ug/L  | 07/24/2000 09:29 |      |
| Chloromethane             | ND     | 1.0       | ug/L  | 07/24/2000 09:29 |      |
| Bromomethane              | ND     | 1.0       | ug/L  | 07/24/2000 09:29 |      |
| <b>Surrogate(s)</b>       |        |           |       |                  |      |
| 1-Chloro-2-fluorobenzene  | 73.0   | 50-150    | %     | 07/24/2000 09:29 |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8010

Attn: Ian T. Reed

Prep Method: 5030

## Batch QC Report

### Halogenated Volatile Organic Compounds

|                                     |                             |                             |
|-------------------------------------|-----------------------------|-----------------------------|
| Laboratory Control Spike (LCS/LCSD) | Water                       | QC Batch # 2000/07/24-01.25 |
| LCS: 2000/07/24-01.25-002           | Extracted: 07/24/2000 10:20 | Analyzed 07/24/2000 10:20   |
| LCSD: 2000/07/24-01.25-003          | Extracted: 07/24/2000 11:11 | Analyzed 07/24/2000 11:11   |

| Compound                 | Conc. [ug/L] |      | Exp. Conc. [ug/L] |      | Recovery [%] RPD |      |         | Ctrl. Limits [%] |     | Flags |      |
|--------------------------|--------------|------|-------------------|------|------------------|------|---------|------------------|-----|-------|------|
|                          | LCS          | LCSD | LCS               | LCSD | LCS              | LCSD | RPD [%] | Recovery         | RPD | LCS   | LCSD |
| 1,1-Dichloroethene       | 18.4         | 17.7 | 20.0              | 20.0 | 92.0             | 88.5 | 3.9     | 50-140           | 20  |       |      |
| Trichloroethene          | 19.2         | 18.9 | 20.0              | 20.0 | 96.0             | 94.5 | 1.6     | 50-150           | 20  |       |      |
| Chlorobenzene            | 19.5         | 19.5 | 20.0              | 20.0 | 97.5             | 97.5 | 0.0     | 50-150           | 20  |       |      |
| <i>Surrogate(s)</i>      |              |      |                   |      |                  |      |         |                  |     |       |      |
| 1-Chloro-2-fluorobenzene | 18.2         | 18.1 | 20                | 20   | 91.0             | 90.5 |         | 50-150           |     |       |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8010

Attn.: Ian T. Reed

Prep Method: 5030

## Batch QC Report

### Halogenated Volatile Organic Compounds

|                           |                             |  |
|---------------------------|-----------------------------|--|
| Matrix Spike ( MS / MSD ) | Water                       | QC Batch # 2000/07/24-01.25              |
| Sample ID: MW-1           |                             | Lab Sample ID: 2000-07-0352-001          |
| MS: 2000/07/24-01.25-004  | Extracted: 07/24/2000 15:30 | Analyzed: 07/24/2000 15:30 Dilution: 1.0 |
| MSD: 2000/07/24-01.25-005 | Extracted: 07/24/2000 16:22 | Analyzed: 07/24/2000 16:22 Dilution: 1.0 |

| Compound                | Conc. [ug/L] |      |        | Exp. Conc. [ug/L] |      | Recovery [%] |       | RPD | Ctrl. Limits [%] |     | Flags |     |
|-------------------------|--------------|------|--------|-------------------|------|--------------|-------|-----|------------------|-----|-------|-----|
|                         | MS           | MSD  | Sample | MS                | MSD  | MS           | MSD   |     | Recovery         | RPD | MS    | MSD |
| 1,1-Dichloroethene      | 20.7         | 19.8 | ND     | 20.0              | 20.0 | 103.5        | 99.0  | 4.4 | 50-140           | 20  |       |     |
| Trichloroethene         | 22.2         | 21.3 | ND     | 20.0              | 20.0 | 111.0        | 106.5 | 4.1 | 50-150           | 20  |       |     |
| Chlorobenzene           | 22.5         | 21.0 | ND     | 20.0              | 20.0 | 112.5        | 105.0 | 6.9 | 50-150           | 20  |       |     |
| <i>Surrogate(s)</i>     |              |      |        |                   |      |              |       |     |                  |     |       |     |
| 1-Chloro-2-fluorobenzen | 21.7         | 20.4 |        | 20                | 20   | 108.5        | 102.0 |     | 50-150           |     |       |     |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn: Ian T. Reed

Test Method: 8010  
Prep Method: 5030

## Legend & Notes

Halogenated Volatile Organic Compounds

### Analysis Flags

lm

Reporting limits raised due to high level of non-target analyte materials.

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

Petroleum Oil & Grease

|                                     |  |
|-------------------------------------|--|
| Aqua Science Engineers, Inc.        | ☒ 208 West El Pintado Road<br>Danville, CA 94526 |
| Attn: Ian T. Reed                   | Phone: (925) 820-9391 Fax: (925) 837-4853        |
| Project #: 2808                     | Project: LIM Property                            |
| Site: 250 8th Street<br>Oakland, CA |  |

### Samples Reported

| Sample ID | Matrix | Date Sampled     | Lab # |
|-----------|--------|------------------|-------|
| MW-2      | Water  | 07/20/2000 12:20 | 2     |
| MW-4      | Water  | 07/20/2000 11:50 | 3     |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Printed on: 07/25/2000 14:50

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 5520 B & F  
Prep Method: 5520 B & F

Petroleum Oil & Grease

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Sample ID: MW-2                     | Lab Sample ID: 2000-07-0352-002 |
| Project: 2808<br>LIM Property       | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA | Extracted: 07/21/2000           |
| Sampled: 07/20/2000 12:20           | QC-Batch: 2000/07/21-01.23      |
| Matrix: Water                       |                                 |

| Compound                   | Result | Rep.Limit | Units | Dilution | Analyzed   | Flag |
|----------------------------|--------|-----------|-------|----------|------------|------|
| Oil and Grease (Petroleum) | ND     | 1.0       | mg/L  | 1.00     | 07/24/2000 |      |

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn: Ian T. Reed

Test Method: 5520 B & F  
Prep Method: 5520 B & F

Petroleum Oil & Grease

|            |                               |                |                  |
|------------|-------------------------------|----------------|------------------|
| Sample ID: | MW-4                          | Lab Sample ID: | 2000-07-0352-003 |
| Project:   | 2808<br>LIM Property          | Received:      | 07/21/2000 15:40 |
| Site:      | 250 8th Street<br>Oakland, CA | Extracted:     | 07/21/2000       |
| Sampled:   | 07/20/2000 11:50              | QC-Batch:      | 2000/07/21-01.23 |
| Matrix:    | Water                         |                |                  |

| Compound                   | Result | Rep.Limit | Units | Dilution | Analyzed   | Flag |
|----------------------------|--------|-----------|-------|----------|------------|------|
| Oil and Grease (Petroleum) | ND     | 1.0       | mg/L  | 1.00     | 07/24/2000 |      |

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 5520 B & F

Attn.: Ian T. Reed

Prep Method: 5520 B & F

Batch QC Report  
Petroleum Oil & Grease

|                          |       |                             |
|--------------------------|-------|-----------------------------|
| Method Blank             | Water | QC Batch # 2000/07/21-01.23 |
| MB: 2000/07/21-01.23-001 |       | Date Extracted: 07/21/2000  |

| Compound                   | Result | Rep.Limit | Units | Analyzed   | Flag |
|----------------------------|--------|-----------|-------|------------|------|
| Oil and Grease (Petroleum) | ND     | 1         | mg/L  | 07/24/2000 |      |

1220 Quarry Lane \* Pleasanton, CA 94586-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Printed on: 07/25/2000 14:50

Page 4 of 5

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 5520 B & F

Attn: Ian T. Reed

Prep Method: 5520 B & F

## Batch QC Report

Petroleum Oil & Grease

| Laboratory Control Spike (LCS/LCSD) | Water                 | QC Batch # 2000/07/21-01.23 |
|-------------------------------------|-----------------------|-----------------------------|
| LCS: 2000/07/21-01.23-002           | Extracted: 07/21/2000 | Analyzed 07/24/2000         |
| LCSD: 2000/07/21-01.23-003          | Extracted: 07/24/2000 | Analyzed 07/25/2000         |

| Compound       | Conc. [ mg/L ] |      | Exp.Conc. [ mg/L ] |      | Recovery [%] |      | RPD | Ctrl. Limits [%] |     | Flags |      |
|----------------|----------------|------|--------------------|------|--------------|------|-----|------------------|-----|-------|------|
|                | LCS            | LCSD | LCS                | LCSD | LCS          | LCSD |     | Recovery         | RPD | LCS   | LCSD |
| Oil and Grease | 39.0           | 39.6 | 40.0               | 40.0 | 97.5         | 99.0 | 1.5 | 80-120           | 20  |       |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Gas/BTEX and MTBE

|                                     |  |
|-------------------------------------|--|
| Aqua Science Engineers, Inc.        | ✉ 208 West El Pintado Road<br>Danville, CA 94526 |
| Attn: Ian T. Reed                   | Phone: (925) 820-9391 Fax: (925) 837-4853        |
| Project #: 2808                     | Project: LIM Property                            |
| Site: 250 8th Street<br>Oakland, CA |  |

Samples Reported

| Sample ID | Matrix | Date Sampled     | Lab # |
|-----------|--------|------------------|-------|
| MW-1      | Water  | 07/20/2000 11:10 | 1     |
| MW-2      | Water  | 07/20/2000 12:20 | 2     |
| MW-4      | Water  | 07/20/2000 11:50 | 3     |



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn.: Ian T. Reed

Prep Method: 5030

Gas/BTEX and MTBE

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Sample ID: MW-1                     | Lab Sample ID: 2000-07-0352-001 |
| Project: 2808<br>LIM Property       | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA | Extracted: 07/26/2000 17:33     |
| Sampled: 07/20/2000 11:10           | QC-Batch: 2000/07/26-01.03      |
| Matrix: Water                       |                                 |

| Compound                 | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline                 | 290    | 50        | ug/L  | 1.00     | 07/26/2000 17:33 | g    |
| Benzene                  | 1.8    | 0.50      | ug/L  | 1.00     | 07/26/2000 17:33 |      |
| Toluene                  | ND     | 0.50      | ug/L  | 1.00     | 07/26/2000 17:33 |      |
| Ethyl benzene            | ND     | 0.50      | ug/L  | 1.00     | 07/26/2000 17:33 |      |
| Xylene(s)                | ND     | 0.50      | ug/L  | 1.00     | 07/26/2000 17:33 |      |
| MTBE                     | ND     | 5.0       | ug/L  | 1.00     | 07/26/2000 17:33 |      |
| <i>Surrogate(s)</i>      |        |           |       |          |                  |      |
| Trifluorotoluene         | 64.2   | 58-124    | %     | 1.00     | 07/26/2000 17:33 |      |
| 4-Bromofluorobenzene-FID | 63.9   | 50-150    | %     | 1.00     | 07/26/2000 17:33 |      |

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn.: Ian T. Reed

Prep Method: 5030

Gas/BTEX and MTBE

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Sample ID: MW-2                     | Lab Sample ID: 2000-07-0352-002 |
| Project: 2808<br>LIM Property       | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA | Extracted: 07/27/2000 12:29     |
| Sampled: 07/20/2000 12:20           | QC-Batch: 2000/07/27-01.01      |
| Matrix: Water                       |                                 |

| Compound                 | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline                 | 68000  | 10000     | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| Benzene                  | 11000  | 100       | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| Toluene                  | 14000  | 100       | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| Ethyl benzene            | 2300   | 100       | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| Xylene(s)                | 11000  | 100       | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| MTBE                     | ND     | 1000      | ug/L  | 200.00   | 07/27/2000 12:29 |      |
| <i>Surrogate(s)</i>      |        |           |       |          |                  |      |
| Trifluorotoluene         | 103.4  | 58-124    | %     | 1.00     | 07/27/2000 12:29 |      |
| 4-Bromofluorobenzene-FID | 69.8   | 50-150    | %     | 1.00     | 07/27/2000 12:29 |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn.: Ian T. Reed

Prep Method: 5030

Gas/BTEX and MTBE

|            |                               |                |                  |
|------------|-------------------------------|----------------|------------------|
| Sample ID: | MW-4                          | Lab Sample ID: | 2000-07-0352-003 |
| Project:   | 2808<br>LIM Property          | Received:      | 07/21/2000 15:40 |
| Site:      | 250 8th Street<br>Oakland, CA | Extracted:     | 07/27/2000 13:04 |
| Sampled:   | 07/20/2000 11:50              | QC-Batch:      | 2000/07/27-01.01 |
| Matrix:    | Water                         |                |                  |

| Compound                 | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline                 | 80000  | 10000     | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| Benzene                  | 9200   | 100       | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| Toluene                  | 20000  | 100       | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| Ethyl benzene            | 2500   | 100       | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| Xylene(s)                | 12000  | 100       | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| MTBE                     | ND     | 1000      | ug/L  | 200.00   | 07/27/2000 13:04 |      |
| <i>Surrogate(s)</i>      |        |           |       |          |                  |      |
| Trifluorotoluene         | 96.9   | 58-124    | %     | 1.00     | 07/27/2000 13:04 |      |
| 4-Bromofluorobenzene-FID | 70.3   | 50-150    | %     | 1.00     | 07/27/2000 13:04 |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn.: Ian T. Reed

Prep Method: 5030

## Batch QC Report Gas/BTEX and MTBE

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/26-01.03      |
| MB: 2000/07/26-01.03-001 |       | Date Extracted: 07/26/2000 07:52 |

| Compound                 | Result | Rep.Limit | Units | Analyzed         | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline                 | ND     | 50        | ug/L  | 07/26/2000 07:52 |      |
| Benzene                  | ND     | 0.5       | ug/L  | 07/26/2000 07:52 |      |
| Toluene                  | ND     | 0.5       | ug/L  | 07/26/2000 07:52 |      |
| Ethyl benzene            | ND     | 0.5       | ug/L  | 07/26/2000 07:52 |      |
| Xylene(s)                | ND     | 0.5       | ug/L  | 07/26/2000 07:52 |      |
| MTBE                     | ND     | 5.0       | ug/L  | 07/26/2000 07:52 |      |
| <i>Surrogate(s)</i>      |        |           |       |                  |      |
| Trifluorotoluene         | 113.2  | 58-124    | %     | 07/26/2000 07:52 |      |
| 4-Bromofluorobenzene-FID | 117.0  | 50-150    | %     | 07/26/2000 07:52 |      |

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Page 5 of 9

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn.: Ian T. Reed

Prep Method: 5030

Batch QC Report  
Gas/BTEX and MTBE

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/27-01.01      |
| MB: 2000/07/27-01.01-001 |       | Date Extracted: 07/27/2000 11:37 |

| Compound                 | Result | Rep.Limit | Units | Analyzed         | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline                 | ND     | 50        | ug/L  | 07/27/2000 11:37 |      |
| Benzene                  | ND     | 0.5       | ug/L  | 07/27/2000 11:37 |      |
| Toluene                  | ND     | 0.5       | ug/L  | 07/27/2000 11:37 |      |
| Ethyl benzene            | ND     | 0.5       | ug/L  | 07/27/2000 11:37 |      |
| Xylene(s)                | ND     | 0.5       | ug/L  | 07/27/2000 11:37 |      |
| MTBE                     | ND     | 5.0       | ug/L  | 07/27/2000 11:37 |      |
| <i>Surrogate(s)</i>      |        |           |       |                  |      |
| Trifluorotoluene         | 111.8  | 58-124    | %     | 07/27/2000 11:37 |      |
| 4-Bromofluorobenzene-FID | 77.4   | 50-150    | %     | 07/27/2000 11:37 |      |

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Page 6 of 9

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn: Ian T. Reed

Prep Method: 5030

## Batch QC Report

Gas/BTEX and MTBE

|                                     |                      |                             |                             |
|-------------------------------------|----------------------|-----------------------------|-----------------------------|
| Laboratory Control Spike (LCS/LCSD) |                      | Water                       | QC Batch # 2000/07/26-01.03 |
| LCS:                                | 2000/07/26-01.03-002 | Extracted: 07/26/2000 08:22 | Analyzed 07/26/2000 08:22   |
| LCSD:                               | 2000/07/26-01.03-003 | Extracted: 07/26/2000 08:53 | Analyzed 07/26/2000 08:53   |

| Compound                | Conc. [ug/L] |      | Exp. Conc. [ug/L] |      | Recovery [%] |       | RPD [%] | Ctrl. Limits [%] |     | Flags |      |
|-------------------------|--------------|------|-------------------|------|--------------|-------|---------|------------------|-----|-------|------|
|                         | LCS          | LCSD | LCS               | LCSD | LCS          | LCSD  |         | Recovery         | RPD | LCS   | LCSD |
| Gasoline                | 615          | 609  | 500               | 500  | 123.0        | 121.8 | 1.0     | 75-125           | 20  |       |      |
| Benzene                 | 49.9         | 48.9 | 50                | 50   | 99.8         | 97.8  | 2.0     | 77-123           | 20  |       |      |
| Toluene                 | 48.3         | 47.7 | 50                | 50   | 96.6         | 95.4  | 1.3     | 78-122           | 20  |       |      |
| Ethyl benzene           | 49.6         | 49.4 | 50                | 50   | 99.2         | 98.8  | 0.4     | 70-130           | 20  |       |      |
| Xylene(s)               | 150          | 150  | 150               | 150  | 100.0        | 100.0 | 0.0     | 75-125           | 20  |       |      |
| <i>Surrogate(s)</i>     |              |      |                   |      |              |       |         |                  |     |       |      |
| Trifluorotoluene        | 271          | 262  | 250               | 250  | 108.4        | 104.8 |         | 58-124           |     |       |      |
| 4-Bromofluorobenzene-FI | 581          | 576  | 500               | 500  | 116.2        | 115.2 |         | 50-150           |     |       |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8020  
8015M

Attn: Ian T. Reed

Prep Method: 5030

## Batch QC Report

Gas/BTEX and MTBE

| Laboratory Control Spike (LCS/LCSD) |                      | Water                       | QC Batch # 2000/07/27-01.01 |                  |
|-------------------------------------|----------------------|-----------------------------|-----------------------------|------------------|
| LCS:                                | 2000/07/27-01.01-002 | Extracted: 07/27/2000 07:36 | Analyzed                    | 07/27/2000 07:36 |
| LCSD:                               | 2000/07/27-01.01-003 | Extracted: 07/27/2000 08:11 | Analyzed                    | 07/27/2000 08:11 |

| Compound                | Conc. [ug/L] |      | Exp. Conc. [ug/L] |       | Recovery [%] |      | RPD [%] | Ctrl. Limits [%] |     | Flags |      |
|-------------------------|--------------|------|-------------------|-------|--------------|------|---------|------------------|-----|-------|------|
|                         | LCS          | LCSD | LCS               | LCSD  | LCS          | LCSD |         | Recovery         | RPD | LCS   | LCSD |
| Gasoline                | 506          | 466  | 500               | 500   | 101.2        | 93.2 | 8.2     | 75-125           | 20  |       |      |
| Benzene                 | 93.1         | 94.0 | 100.0             | 100.0 | 93.1         | 94.0 | 1.0     | 77-123           | 20  |       |      |
| Toluene                 | 97.0         | 98.1 | 100.0             | 100.0 | 97.0         | 98.1 | 1.1     | 78-122           | 20  |       |      |
| Ethyl benzene           | 94.8         | 95.2 | 100.0             | 100.0 | 94.8         | 95.2 | 0.4     | 70-130           | 20  |       |      |
| Xylene(s)               | 283          | 286  | 300               | 300   | 94.3         | 95.3 | 1.1     | 75-125           | 20  |       |      |
| <i>Surrogate(s)</i>     |              |      |                   |       |              |      |         |                  |     |       |      |
| Trifluorotoluene        | 485          | 488  | 500               | 500   | 97.0         | 97.6 |         | 58-124           |     |       |      |
| 4-Bromofluorobenzene-FI | 360          | 354  | 500               | 500   | 72.0         | 70.8 |         | 50-150           |     |       |      |

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8015M  
8020

Attn: Ian T. Reed

Prep Method: 5030

## Legend & Notes

Gas/BTEX and MTBE

## Analyte Flags

9

Hydrocarbon reported in the gasoline range does not match our gasoline standard.



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

Diesel

|                                     |  |
|-------------------------------------|--|
| Aqua Science Engineers, Inc.        | ☒ 208 West El Pintado Road<br>Danville, CA 94526 |
| Attn: Ian T. Reed                   | Phone: (925) 820-9391 Fax: (925) 837-4853        |
| Project #: 2808                     | Project: LIM Property                            |
| Site: 250 8th Street<br>Oakland, CA |  |

### Samples Reported

| Sample ID | Matrix | Date Sampled     | Lab # |
|-----------|--------|------------------|-------|
| MW-1      | Water  | 07/20/2000 11:10 | 1     |
| MW-2      | Water  | 07/20/2000 12:20 | 2     |
| MW-4      | Water  | 07/20/2000 11:50 | 3     |

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 8015M  
Prep Method: 3510/8015M

Diesel

|            |                               |                |                  |
|------------|-------------------------------|----------------|------------------|
| Sample ID: | MW-1                          | Lab Sample ID: | 2000-07-0352-001 |
| Project:   | 2808<br>LIM Property          | Received:      | 07/21/2000 15:40 |
| Site:      | 250 8th Street<br>Oakland, CA | Extracted:     | 07/24/2000 12:16 |
| Sampled:   | 07/20/2000 11:10              | QC-Batch:      | 2000/07/24-04.10 |
| Matrix:    | Water                         |                |                  |

| Compound                    | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|-----------------------------|--------|-----------|-------|----------|------------------|------|
| Diesel                      | 150    | 50        | ug/L  | 1.00     | 07/25/2000 05:11 | ndp  |
| Surrogate(s)<br>o-Terphenyl | 72.1   | 60-130    | %     | 1.00     | 07/25/2000 05:11 |      |

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8015M

Attn.: Ian T. Reed

Prep Method: 3510/8015M

Diesel

|            |                               |                |                  |
|------------|-------------------------------|----------------|------------------|
| Sample ID: | MW-2                          | Lab Sample ID: | 2000-07-0352-002 |
| Project:   | 2808<br>LIM Property          | Received:      | 07/21/2000 15:40 |
| Site:      | 250 8th Street<br>Oakland, CA | Extracted:     | 07/24/2000 12:16 |
| Sampled:   | 07/20/2000 12:20              | QC-Batch:      | 2000/07/24-04.10 |
| Matrix:    | Water                         |                |                  |

| Compound                    | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|-----------------------------|--------|-----------|-------|----------|------------------|------|
| Diesel                      | 5300   | 50        | ug/L  | 1.00     | 07/25/2000 05:50 | ,ofp |
| Surrogate(s)<br>o-Terphenyl | 71.8   | 60-130    | %     | 1.00     | 07/25/2000 05:50 |      |

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 8015M  
Prep Method: 3510/8015M

Diesel

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Sample ID: MW-4                     | Lab Sample ID: 2000-07-0352-003 |
| Project: 2808<br>LIM Property       | Received: 07/21/2000 15:40      |
| Site: 250 8th Street<br>Oakland, CA | Extracted: 07/24/2000 12:16     |
| Sampled: 07/20/2000 11:50           | QC-Batch: 2000/07/24-04.10      |
| Matrix: Water                       |                                 |

| Compound                           | Result | Rep.Limit | Units | Dilution | Analyzed         | Flag |
|------------------------------------|--------|-----------|-------|----------|------------------|------|
| Diesel                             | 3500   | 50        | ug/L  | 1.00     | 07/25/2000 06:30 | edr  |
| <i>Surrogate(s)</i><br>o-Terphenyl | 87.4   | 60-130    | %     | 1.00     | 07/25/2000 06:30 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.  
Attn.: Ian T. Reed

Test Method: 8015M  
Prep Method: 3510/8015M

Batch QC Report  
Diesel

|                          |       |                                  |
|--------------------------|-------|----------------------------------|
| Method Blank             | Water | QC Batch # 2000/07/24-04.10      |
| MB: 2000/07/24-04.10-001 |       | Date Extracted: 07/24/2000 12:16 |

| Compound                    | Result | Rep.Limit | Units | Analyzed         | Flag |
|-----------------------------|--------|-----------|-------|------------------|------|
| Diesel                      | ND     | 50        | ug/L  | 07/24/2000 23:17 |      |
| Surrogate(s)<br>o-Terphenyl | 97.0   | 60-130    | %     | 07/24/2000 23:17 |      |

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0352

To: Aqua Science Engineers, Inc.

Test Method: 8015M

Attn: Ian T. Reed

Prep Method: 3510/8015M

## Batch QC Report

Diesel

|                                     |                             |                             |
|-------------------------------------|-----------------------------|-----------------------------|
| Laboratory Control Spike (LCS/LCSD) | Water                       | QC Batch # 2000/07/24-04.10 |
| LCS: 2000/07/24-04.10-002           | Extracted: 07/24/2000 12:16 | Analyzed 07/24/2000 23:56   |
| LCSD: 2000/07/24-04.10-003          | Extracted: 07/24/2000 12:16 | Analyzed 07/25/2000 00:35   |

| Compound            | Conc. [ug/L] |      | Exp. Conc. [ug/L] |      | Recovery [%] |       | RPD [%] | Ctrl. Limits [%] |     | Flags |      |
|---------------------|--------------|------|-------------------|------|--------------|-------|---------|------------------|-----|-------|------|
|                     | LCS          | LCSD | LCS               | LCSD | LCS          | LCSD  |         | Recovery         | RPD | LCS   | LCSD |
| Diesel              | 917          | 933  | 1250              | 1250 | 73.4         | 74.6  | 1.6     | 60-130           | 25  |       |      |
| <i>Surrogate(s)</i> |              |      |                   |      |              |       |         |                  |     |       |      |
| o-Terphenyl         | 20.7         | 21.0 | 20.0              | 20.0 | 103.5        | 105.0 |         | 60-130           |     |       |      |

2000-07-0352

53467

Aqua Science Engineers, Inc.  
208 W. El Pintado Road  
Danville, CA 94526  
(925) 820-9391  
FAX (925) 837-4853

# Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE) Jan T Reed (PHONE NO.) (925) 820-9391

PROJECT NAME LIM Property  
ADDRESS 250 8th Street, Oakland CA

JOB NO. 2008  
DATE 7/21/00

## ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

5-day TAT

| SAMPLE ID. | DATE | TIME | MATRIX | NO. OF SAMPLES | TPH-GAS / MTBE & BTEX (EPA 5030/5015-5020) | TPH-GASOLINE (EPA 5030/5015) | TPH-DIESEL (EPA 3510/5015) | PURGEABLE HALOCARBONS (EPA 601/6010) | PURGEABLE AROMATICS (EPA 602/6020) | VOLATILE ORGANICS (EPA 624/6240) (826C) | SEMI-VOLATILE ORGANICS (EPA 625/6270) | OIL & GREASE (EPA 5520) | LEFT METALS (5) (EPA 5010-7000) | CAN 17 METALS (EPA 6010-7000) | PCBs & PESTICIDES (EPA 608/6050) | ORGANOPHOSPHORUS PESTICIDES (EPA 8140) | HERBICIDES (EPA 8150) | FUEL OXYGENATES (EPA 8260) | COMPOSITE |
|------------|------|------|--------|----------------|--|------------------------------|----------------------------|--------------------------------------|------------------------------------|---|---------------------------------------|-------------------------|---------------------------------|-------------------------------|----------------------------------|--|-----------------------|----------------------------|-----------|
| MW-1       | 7/20 | 1100 | water  | 7              | XXX  |                              | XXX                        | XXX                                  |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
| MW-2       | 7/20 | 1220 | water  | 8              | XXX  |                              | XXX                        | XXX                                  |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
| MW-4       | 7/20 | 1150 | water  | 8              | XXX  |                              | XXX                        |                                      |                                    | X                                       |                                       | XXX                     |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |
|            |      |      |        |                |  |                              |                            |                                      |                                    |   |                                       |                         |                                 |                               |                                  |  |                       |                            |           |

RELINQUISHED BY:  
Jan T Reed 1000  
(signature) (time)  
Jan T Reed 7/21/00  
(printed name) (date)  
Company: AQE

RECEIVED BY:  
[Signature] 0934  
(signature) (time)  
B. Morrow 9/2/00  
(printed name) (date)  
Company: Chromalab

RELINQUISHED BY:  
[Signature] 1540  
(signature) (time)  
B. Morrow 7/21/00  
(printed name) (date)  
Company: Chromalab

RECEIVED BY LABORATORY:  
[Signature] 1540  
(signature) (time)  
D. Harrington  
(printed name) (date)  
Company: Chromalab 7/21/00@  
1540

COMMENTS:  
4.4°C