DECEMBER 1993 QUARTERLY SHALLOW GROUNDWATER MONITORING

LIVERMORE ARCADE SHOPPING CENTER FIRST STREET AND SOUTH P STREET LIVERMORE, CALIFORNIA

Prepared for:

Grubb & Ellis Realty Income Trust, Liquidating Trust 351 California Street, Suite 1120 San Francisco, CA 94104

Prepared by:

H+GCL, Inc. 2200 Powell Street, Suite 880 Emeryville, California 94608

December 10, 1993

48016/17/DEC-93.QTR



DECEMBER 1993 QUARTERLY SHALLOW GROUNDWATER **MONITORING**

LIVERMORE ARCADE SHOPPING CENTER FIRST STREET AND SOUTH P STREET LIVERMORE, CALIFORNIA

Submitted By:

Project Geologist

William E. Motzer, Ph.D.

Director Hydrogeology/Environmental Engineering Services

California Registered Geologist No. 4202

(Expires 6/30/94)



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1.0 INTRODUCTION

1.1 Purpose and Scope

In December 1993, H+GCL, Inc. (H+GCL) conducted additional groundwater sampling from monitoring wells installed on the Livermore Arcade Shopping Center (LASC) (herein referred to as the subject site or subject property), in the City of Livermore, California. This investigation was conducted on behalf of Grubb & Ellis Realty Income Trust, Liquidating Trust (herein referred to as Grubb & Ellis) in cooperation with the San Francisco Bay Region of the Regional Water Quality Control Board (RWQCB) staff in order to monitor concentrations of tetrachloroethane (PCE) in groundwater on the LASC.

This investigation monitored groundwater concentrations of volatile organic compounds (VOCs), particularly tetrachloroethane (also known as perchloroethylene, "perk" or PCE) that was discovered in the soil and groundwater at the subject site and associated degradation products such as trichloroethylene (TCE), cis-1,2 dichlorothene (cis 1,2-DCE) or trans 1,2-dichloroethene (trans 1,2-DCE).

1.2 Site Location

The subject property is approximately 25 miles east of San Francisco Bay along Interstate 580 (Figure 1, Appendix A). The LASC is located at the northwest corner of First Street and South P Street in downtown Livermore, California. Railroad Avenue borders the subject site to the north and South S Street borders the Livermore Arcade Shopping Center on the west (Figure 2, Appendix A).

1.3 Site Description

The subject property is listed at the Alameda County Assessor's Office on Map 98, Page 403, Parcel 8-4. The LASC was built in 1973; it contains 11 businesses, of which eight are retail stores and two are restaurants. The subject site occupies approximately 11.75 acres, including the asphalt-paved parking areas. The topography is relatively flat with surface runoff to the north and west. Ornamental vegetation consists of grass, ivy, bushes, and small trees.

2.0 GROUNDWATER INVESTIGATION

2.1 Previous Investigations

In 1990, H⁺GCL conducted a subsurface investigation that found dissolved-phase PCE contamination, approximately 40 feet (ft) below surface grade (bsg), in the shallow groundwater and downgradient from Mike's Cleaners. Following this discovery, Grubb & Ellis installed additional groundwater monitoring wells. These wells were used to determine hydrogeological conditions beneath the site and the vertical and horizontal extent of PCE contamination. The presence of clay layers (aquitards) at depths of approximately 75 to 110 ft bsg, has prevented vertical migration of PCE to date. In September and October, 1993, H⁺GCL installed two deep groundwater monitoring wells north of the subject site to confirm that the aquitards are present in the subsurface north of the subject site and that the PCE plume had not penetrated into a lower aquifer. This deep aquifer was identified in the deep monitoring wells and in earlier California Water Service (CWS) well logs as being 125- to 145-ft bsg.

Quarterly groundwater monitoring began in March 1991. Groundwater monitoring was continued on a limited basis because of a continued drop in the shallow, unconfined groundwater table due to the extensive drought from 1986 through 1992. Although through 1990, H+GCL documented the shallow groundwater at approximately 42 ft bsg, a significant decrease in the groundwater table was noted in the latter half of 1991. In November 1991, quarterly groundwater monitoring noted a decrease in the shallow groundwater table to approximately 56.5 ft bsg; this was below the total depth for the deepest groundwater monitoring well. Also, for many of the on- and off-site monitoring wells, the groundwater table was below the screened interval. As a result, and with the concurrence of the RWQCB, H+GCL installed two additional, deeper shallow groundwater monitoring wells (MW-17 and MW-18). This data was included in H+GCL's April 1992 report: Remedial Investigation Report, Livermore Arcade Shopping Center, Livermore, California (H+GCL, 1992). The deep groundwater monitoring wells north of the subject site are described in H+GCL's December 1993 report: Deep Groundwater Monitoring Wells Report for the Livermore Arcade Shopping Center, Livermore, California (H+GCL, 1993a). The most recent sampling data for monitoring wells on the subject site is contained in H+GCL's June 1993 report: Quarterly Shallow Groundwater, Livermore Arcade Shopping Center, First Street and South P Street, Livermore, California (H+GCL, 1993b).

2.2 Current Investigation

Because access issues are currently unresolved between the LASC and the adjacent Millers Outpost Shopping Center where a number of wells are located, this most recent set of groundwater monitoring well data are only from groundwater measurements and sampling conducted on November 30, 1993 on the LASC. H+GCL was able to collect groundwater samples from 5 monitoring wells; the wells sampled are: MW-2, MW-4, MW-5, MW-6, and MW-7 (Figures 3 and 4, Appendix A).

from 5 monitoring wells; the wells sampled are: MW-2, MW-4, MW-5, MW-6, and MW-7 (Figures 3 and 4, Appendix A).

2.3 Groundwater Table Measurements and Groundwater Sampling

Groundwater table elevations were measured using an electronic sounder ("water level probe"); the depth to water (DTW) was measured and recorded to establish the groundwater table elevations. Groundwater monitoring well measurements, indicate a rise in the shallow, unconfined groundwater table of over one half foot since the June, 1993 quarterly monitoring data (Figure 4, Appendix A). Groundwater monitoring well measurements and elevations are shown on Table 1 (Appendix B). Local groundwater flow direction is essentially the same as that shown on the June, 1993 quarterly report (north-northwest).

One groundwater sample was collected from each of the five monitoring wells and analyzed for VOCs; samples were collected on November 30, 1993. New, disposable polyethylene bailers were used on each well to bail three casings of water prior to sampling. Initial sampling parameters included temperature, pH, conductivity, and dissolved oxygen content (DOC) were also performed on each sampled monitoring well. The associated equipment was cleaned between each well with soap and rinsed with deionized water to minimize the potential for cross-contamination. Samples were transferred into prepared glassware supplied by the DHS certified analytical laboratory specifically for the individual sample. Samples were then immediately placed on ice and transported under Chain-of-Custody protocol to K-Prime Laboratory in Richmond, California. Chain-of-Custody records are included in Appendix C. Water sampling forms are included in Appendix D.

2.4 Groundwater Sample Analyses

The collected groundwater samples were analyzed for VOCs by U.S. Environmental Protection Agency (EPA) Method 8240/624. PCE and TCE detected for each groundwater monitoring well sample is listed in Table 2 (Appendix B). The certified laboratory data sheets are included in Appendix C.

2.5 Groundwater Sample Analytical Results

The VES at monitoring well MW-17 had made significant progress in removing PCE contained in soil and groundwater. The groundwater concentration for PCE in the sample collected from monitoring well MW-17 decreased from 1,300 parts per billion (ppb) on June 6, 1992 to 27.4 ppb on June 24, 1993. However, results from MW-7, several feet away from MW-17, indicate an increase in PCE concentrations to 123 ppb from 27.4 ppb PCE in June, 1993. The PCE groundwater concentration in monitoring well MW-6 has increased from 89.2 ppb in June, 1993 to 121 ppb. The groundwater

sample from MW-5 showed 9.4 ppb PCE, whereas the June data did not detect VOCs in this well.

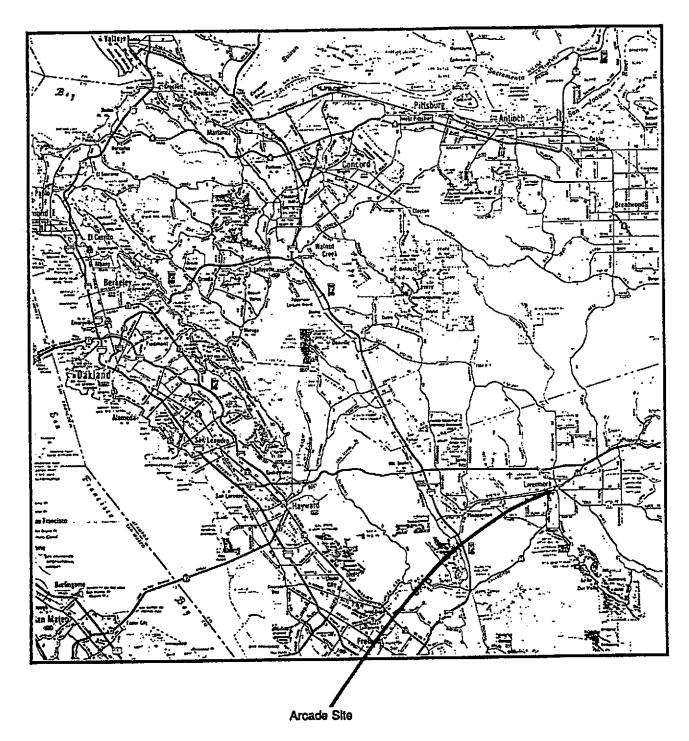
The groundwater sample analyses also show that an associated degradation product trichloroethylene (TCE) was detected above method detection limits in MW-7 (20 ppb). In general, biodegradation has not yet begun and the PCE remains undegraded as sample results suggest in most of the monitoring wells.

3.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of the southern half of the PCE groundwater plume shown in the June 1993 report (H⁺GCL, 1993b) with a plot of the current PCE plume indicates that there has been an overall increase in PCE concentrations, particularly around monitoring well MW-7. Much of this increase, on the Livermore Arcade Shopping Center property, can be attributed to delays in restarting the Vapor Extraction System (VES) program, which removed as much as 0.4 pounds of PCE each day (H⁺GCL, 1992). Those delays have resulted from additional equipment requirements imposed in connection with H⁺GCL's discharge permit renewal, which are in the process of being addressed. H⁺GCL's earlier groundwater investigation (1993b) shows that on the subject property, a 10 ppb PCE isoconcentration contour extended downgradient (northwest) from monitoring well MW-17 across the property boundary and north beyond the Union Pacific Railroad Tracks (H⁺GCL, 1993b).

4.0 REFERENCES CITED

- H⁺GCL, Inc., 1992, Remedial Investigation Report, Livermore Arcade Shopping Center, Livermore, California: Report to Grubb & Ellis Reality Income Trust, April 1992, 56 p.
- H⁺GCL, Inc., 1993a, Deep Groundwater Monitoring Wells Report for the Livermore Arcade Shopping Center, Livermore, California: Report to Grubb & Ellis Reality Income Trust, Liquidating Trust, November, 1993.
- H⁺GCL, Inc., 1993b, June 1993 Quarterly Shallow Groundwater Monitoring, Livermore Arcade Shopping Center, First Street and South P Street, Livermore, California: Report to Grubb & Ellis Reality Income Trust, Liquidating Trust, June 1993.



Source: California State Automobile Association, Bay and River Area, 1989

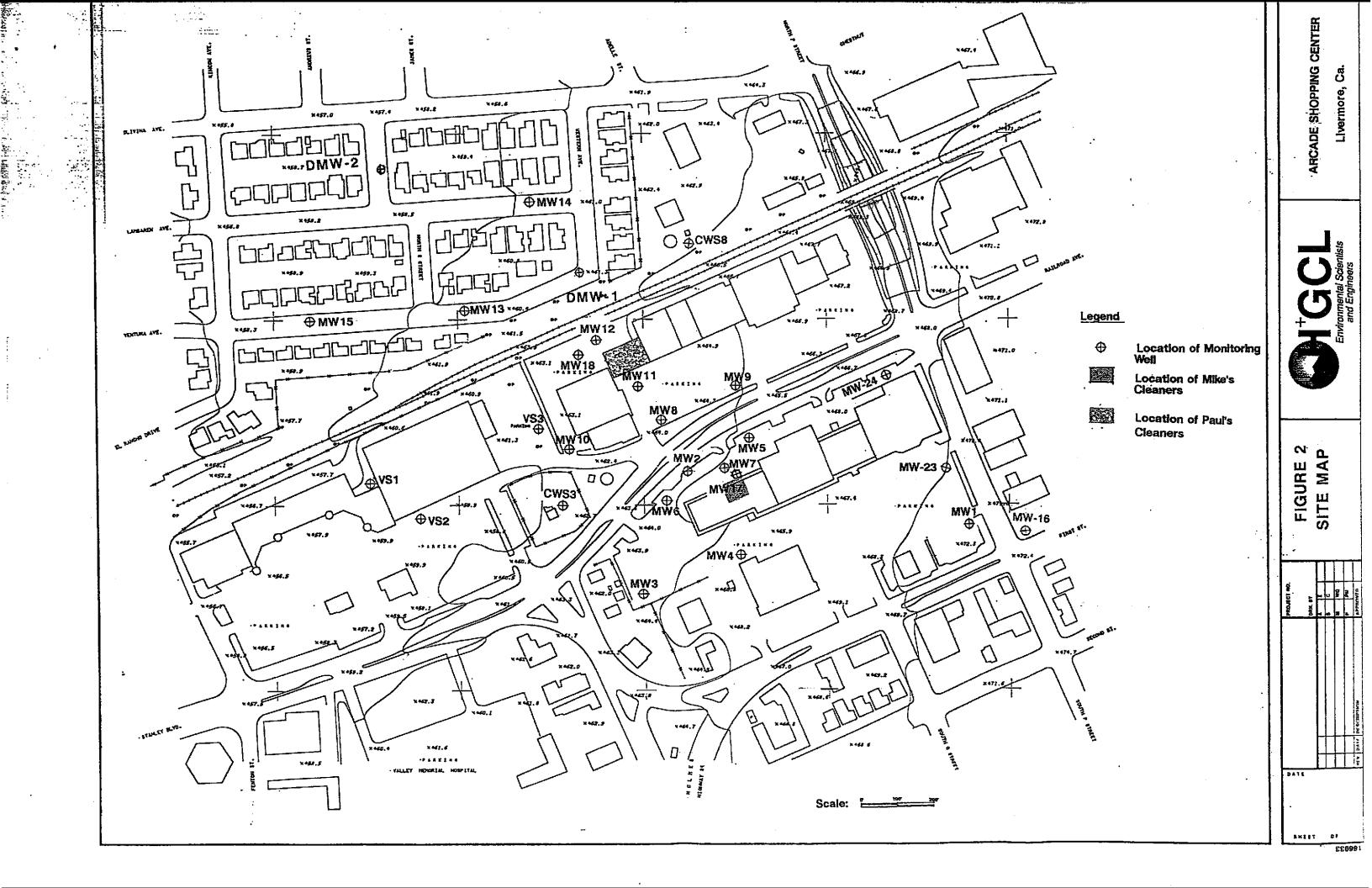
Scale: 0 5 Miles 10 Miles

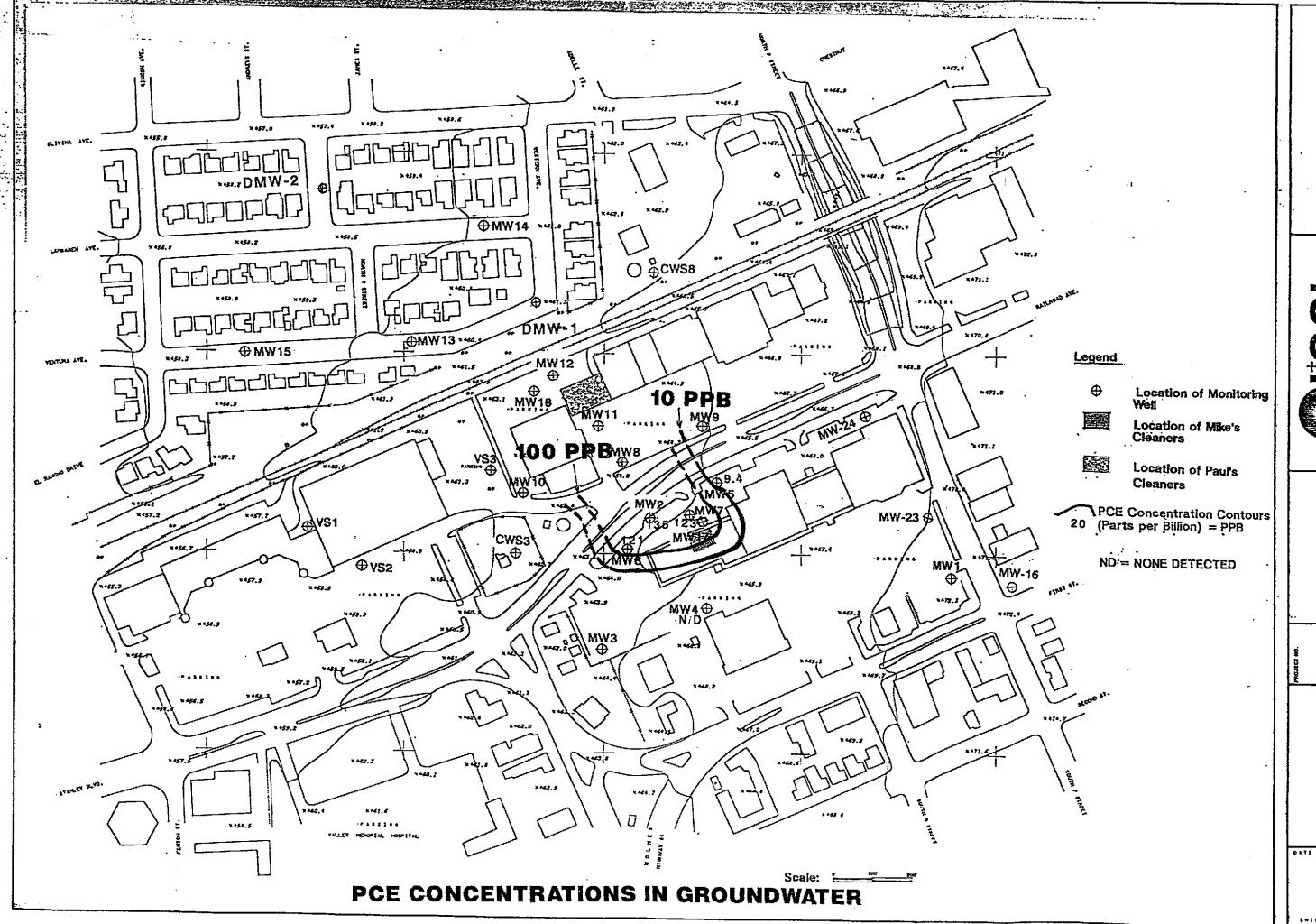


SITE LOCATION



|] |
|-------|
| 1 |
| |





FIGURE

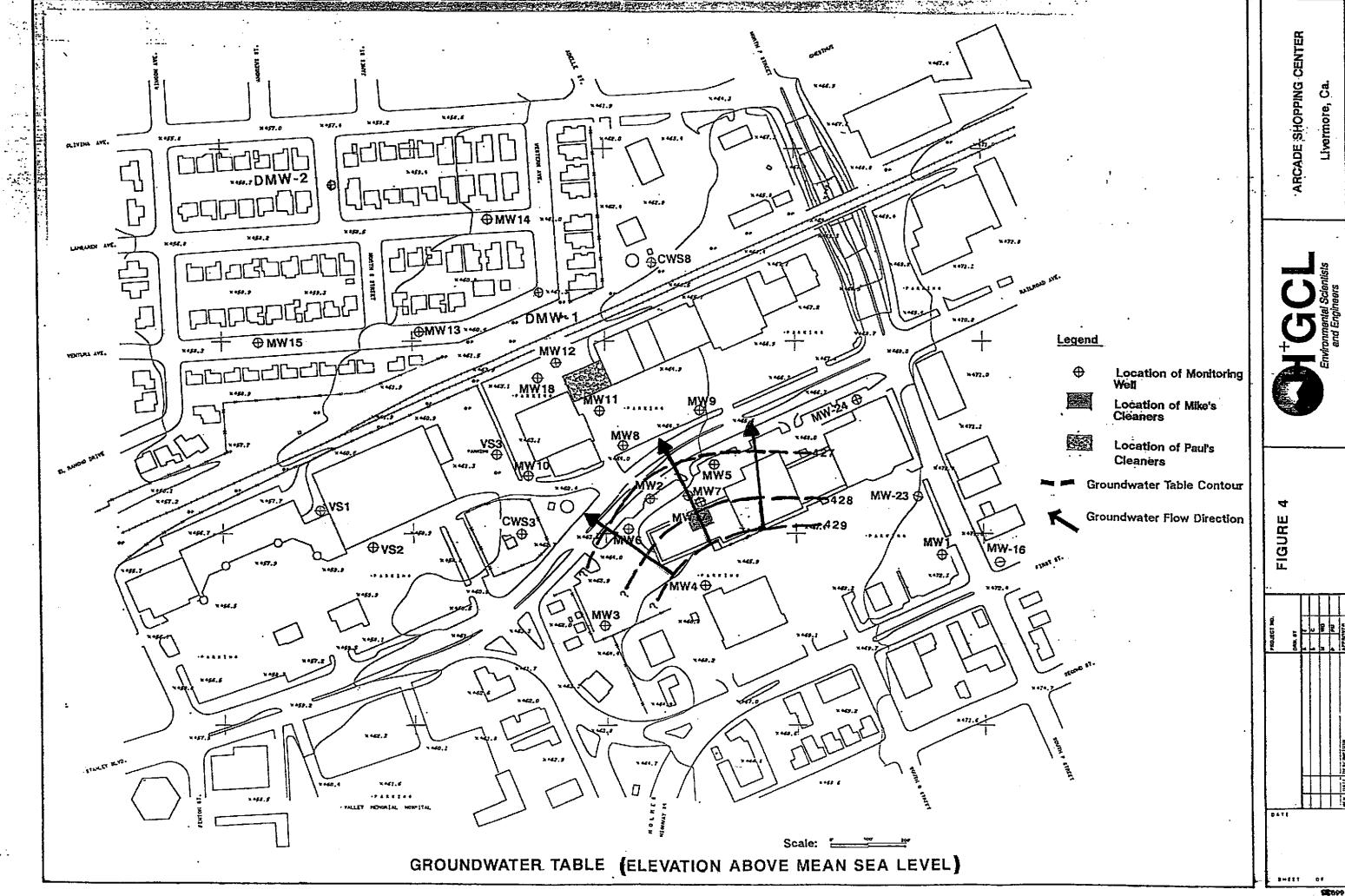


TABLE 1: SHALLOW, UNCONFINED GROUNDWATER TABLE ELEVATIONS, LASC, LIVERMORE, CA.

| Monitoring Well | Elevation (ft AMSL) | Depth to groundwater (ft bsg) | Groundwater table elevation (ft AMSL) |
|-----------------|------------------------|-------------------------------|---|
| | | | |
| MW-2 | 463.70 | 36.19 | 427.51 |
| MW-4 | 465.40 | 38.55 | 426.85 |
| MW-5 | 465.70 | 35.63 | 430.07 |
| MW-6 | 464.70 | 37.38 | 427.32 |
| MW-7 | 464.80 | 37.25 | 427.55 |
| | | | |

ft AMSL= feet above mean sea level

ft bsg= feet below surface grade from casing marker

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, LASC, LIVERMORE, CA.

| Monitoring Well Designation | PCE Concentration in ppb* |
|-----------------------------|---------------------------|
| MW-2 | 135 |
| MW-4 | N.D. |
| MW-5 | 9.4 |
| MW-6 | 121 |
| MW-7 | 123 (20 ppb TCE) |

Notes:

^{*} All other VOC compounds were not detected unless otherwise noted. N.D. = Not Detected. Samples are below method detection limits.

APPENDIX C

CHAIN-OF-CUSTODY RECORDS
DHS CERTIFIED LABORATORY DATA SHEETS

☐ Albuquerque 505 Marcuette NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (505) 842-0595

CI NASA-WSTF PQ Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX: (505) 524-5315

☐ Boston 180 Canal Street Boston, MA 02114 (617) 723-4564 FAX: (617) 367-1386

Chicago 626 W. Jackson Blvd., Ste. 800 Chicago, IL 60606 (312) 648-9988 FAX: (312) 548-0818

4240 Project

6477

ㅈ

PRIME.

INC

☐ Hartlord 380 South Center Street Windsor Locks, CT 06096 (203) 627-6528 FAX: (203) 627-7815

☐ Los Angeles 19600 Fairchild, Ste. 120 Irvine, CA 92715 (714) 955-0201 FAX: (714) 955-0955

Mid Atlantic Region 4221 Forbes Blvd., Sta. 240 Lar.ham, MO 20706-4325 (301) 459-9677 FAX: (301) 459-3064

☐ New York 261 Madison Avenue New York, NY 10016 (212) 983-8510 FAX: (212) 983-8795

Ser Francisco 2200 Powell Street, Ste. 880 Emeryville, CA 94508 (510) 547-3886 FAX: (510) 547-3631

Chain of Custody Date 12-1-83 Page 1 Of 1

| Lab Name K- Prime | | Analysis Request | |
|---|---|--|--|
| Address | | . * | 9 4 |
| Telephone | C " Sone | And the same of th | Y WAX I TO I T |
| Samplers (SIGNATURES) Scott Melcon | Jerutor ilus 60 t/Rg atic Votalilo 1020 ols, Sub Ph | 60948000 Polynuciast Anom Hydrocarbons 615 Votatile Currenma Index Capania Carl (FOC) 115/9060 Total Organia Halif (FOC) 115/9060 Total Organia Halif (FOC) 115/9060 Total Organia Halif (FOC) 115/9060 TOCLP- Vol., Somi- Herbicidus, Pesula Modified 819 CAM Metals (18) TTLC/STLC Corresivity Comesivity Corresivity Comesivity Corresivity Comesivity Comesivi | X 77 8 101 |
| Sample Number Matrix Location | Votal Votal Votal Phen 60-ve | OCORREGIO VOSTUS CO. VOSTUS CO. VOSTUS CO. VOSTUS CO. VOSTUS CO. VOSTUS CO. RESECUENTS CO. TOLE VOS. Herbicidas. MOSTER CO. Herbicidas. TOLE VOS. Herbicidas. TOLE VOS. Herbicidas. TOLE VOS. Herbicidas. CAM Metal TOLE VOS. Herbicidas. OCAM Metal TOLE VOS. Herbicidas. OCAM Metal TOLE VOS. Herbicidas. CAM Metal COTORIVIO. COTO | |
| 9311301145 GW MW-2 | | × 61/: | 12 5 11217 |
| 9311301245 AW-5 | | x L-f | x X G H31 + X G H318 |
| 9311301338 MN-7 | | x La | " |
| 4311301520 NW-6 | | | K 4317 |
| 9311301600 V MW-4 | | 4 17 | () () () () |
| 9311301630 W TripBlank | | 7 1 2 | 2 432 |
| | | | 2 752 |
| | | | |
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| Project Information Sample Rec | eipt | elinquished By 2. Relinquished By 2. Relinquished By | 3. |
| Project 490/6 / T Total No. of Containers | | Scott Melson 9:03 Catherine M. Stul | |
| Project Director Chain of Custody Seals | | POTT NELSON 12-1-93 CATHERINE M. STEPLE 10:30 | (Fine) |
| Charge Code No. Bach 5F 7390 Rec'd Good Condition | Cold | Track Name) (Date) (Printed Name) (Date) (Printed Name) | Osce, |
| Shipping ID. No. Conforms to Record | | ompany) (Company) (Company) | |
| Lab No. | F | sceived By | oratory) 3. |
| Via: | K | atherne Mele 9:02 Mill A. X 1 10:30 | |
| Special Instructions/Comments: | 1 | Alberta M. Steele 9:08 A.A. 10:30 probure) SATHERINE M. STEELE 12/18 Richard A. Kajal 12/1/9 Propary) (Company) (Company) (Company) (Company) | (Time) |
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| | 4 | h Thimiliance I h Market like. I | į . |

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Acct#: 100-9240

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

Your Project: 48016.17

Dec 08 93

TRANSMITTAL

DATE: 12/7/93

TO: Mr. Bill Motzer

HGCL

K PRIME, INC.

2200 Powell Street, Ste. 880

Emeryville, CA 94608

PHONE: 510-547-3886

FAX:

510-547-3631

FROM: Richard A. Kagel, Ph.D. AMC 1217193

Laboratory Director

SUBJECT: YOUR PROJECT #48016.17 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

| SAMPLE ID | SAMPLE TYPE | DATE | KPI LAB # |
|------------|---|----------|-----------|
| 9311301145 | WATER WATER WATER WATER WATER WATER WATER | 11/30/93 | 4317 |
| 9311301245 | | 11/30/93 | 4318 |
| 9311301338 | | 11/30/93 | 4319 |
| 9311301520 | | 11/30/93 | 4320 |
| 9311301600 | | 11/30/93 | 4321 |
| 9311301630 | | 11/30/93 | 4322 |

This sample was tested in our laboratory for Volatile Organic Compounds by EPA 8240/624. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC. LABORATORY REPORT

K PRIME, INC.

SAMPLE ID:

9311301145

LAB NO:

4317

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE:

WATER

REFERENCE: EPA 8240/624

DATE SAMPLED:

11/30/93

OUR PROJECT: 9240 YOUR PROJECT: 48016.17

TIME SAMPLED:

11:45

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|------------|--------------------|----------------|
| CHLOROMETHANE | 74-87-3 | 10 | ND |
| VINYL CHLORIDE | 75-01-4 | 10 | ND |
| BROMOMETHANE | 74-83-9 | 10 | ND |
| CHLOROETHANE | 75-00-3 | 10 | ND |
| TRICHLOROFLUOROMETHANE | 75-69-4 | 5.0 | ND |
| TRICHLOROTRIFLUOROETHANE | 76-13-1 | 5.0 | ND |
| ACETONE | 67-64-1 | 20 | ND |
| 1,1-DICHLOROETHENE | 75-35-4 | 5.0 | ND |
| CARBON DISULFIDE | 75-15-0 | 5.0 | ND |
| METHYLENE CHLORIDE | 75-09-2 | 5.0 | ND |
| TRANS-1,2-DICHLOROETHENE | 156-60-5 | 5.0 | ND |
| 1,1-DICHLOROETHANE | 75-34-3 | 5.0 | ND |
| VINYL ACETATE | 108-05-4 | 10 | ND |
| CIS-1,2-DICHLOROETHENE | 156-59-2 | 5.0 | ND |
| 2-BUTANONE | 78-93-3 | 20 | ND |
| CHLOROFORM | 67-66-3 | 5.0 | ND |
| 1,1,1-TRICHLOROETHANE | 71-55-6 | 5.0 | ND |
| CARBON TETRACHLORIDE | 56-23-5 | 5.0 | ND |
| 1,2-DICHLOROETHANE | 107-06-2 | 5.0 | ND |
| BENZENE | 71-43-2 | 5.0 | ND |
| TRICHLOROETHENE | 79-01-6 | 5.0 | ND |
| 1,2-DICHLOROPROPANE | 78-87-5 | 5.0 | ND |
| BROMODICHLOROMETHANE | 75-27-4 | 5.0 | ND |
| 2-CHLOROETHYLVINYL ETHER | 110-75-8 | 5.0 | ND |
| TRANS-1,3-DICHLOROPROPENE | 10061-02-6 | 5.0 | ND |
| I-METHYL-2-PENTANONE | 108-10-1 | 10 | ND |
| TOLUENE | 108-88-3 | 5.0 | ND |
| CIS-1,3-DICHLOROPROPENE | 10061-01-5 | 5.0 | ND |
| 1,1,2-TRICHLOROETHANE | 79-00-5 | 5.0 | ND |
| TETRACHLOROETHENE | 127-18-4 | 5.0 | 135 |
| 2-HEXANONE | 591-78-6 | 10 | ND |

K PRIME, INC. LABORATORY REPORT

SAMPLE ID:

9311301145

LAB NO:

4317

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE: DATE SAMPLED:

WATER

TIME SAMPLED:

11/30/93 11:45

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE |
|---------------------------|-----------|--------------------|----------|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND |
| CHLOROBENZENE | 108-90-7 | 5.0 | ND |
| ETHYLBENZENE | 100-41-4 | 5.0 | ND |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND |
| XYLENE (O) | 1330-20-7 | 5.0 | ND ND |
| STYRENE | 100-42-5 | 5.0 | ND |
| BROMOFORM | 75-25-2 | 5.0 | ND |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND |
| 1,3-DICHLOROBENZENE | 541-73-1 | 5.0 | ND |
| 1,4-DICHLOROBENZENE | 106-46-7 | 5.0 | ND ND |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY:

DATE:

APPROVED BY: 341

DATE: 10/7/13

K PRIME, INC.

LABORATORY REPORT

SAMPLE ID:

9311301245

LAB NO:

4318

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

: WATER

DATE SAMPLED:

11/30/93

TIME SAMPLED:

12:45

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|------------|--------------------|----------------|
| CHLOROMETHANE | 74-87-3 | 10 | ND |
| VINYL CHLORIDE | 75-01-4 | 10 | ND |
| BROMOMETI IANE | 74-83-9 | 10 | ND |
| CHLOROETHANE | 75-00-3 | 10 | ND |
| TRICHLOROFLUOROMETHANE | 75-69-4 | 5,0 | ND |
| TRICHLOROTRIFLUOROETHANE | 76-13-1 | 5.0 | ND |
| ACETONE | 67-64-1 | 20 | ND |
| 1,1-DICHLOROETHENE | 75-35-4 | 5.0 | ND |
| CARBON DISULFIDE | 75-15-0 | 5.0 | ND |
| METHYLENE CHLORIDE | 75-09-2 | 5.0 | ND |
| TRANS-1,2-DICHLOROETHENE | 156-60-5 | 5.0 | ND |
| 1,1-DICHLOROETHANE | 75-34-3 | 5.0 | ND |
| VINYLAGETATE | 108-05-4 | 10 | ND |
| CIS-1,2-DICHLOROETHENE | 156-59-2 | 5.0 | ND |
| 2-BUTANONE | 78-93-3 | 20 | ND |
| CHLOROFORM | 67-66-3 | 5.0 | ND |
| 1,1,1-TRICHLOROETHANE | 71-55-6 | 5.0 | ND |
| CARBON TETRACHLORIDE | 56-23-5 | 5.0 | ND |
| 1,2-DICHLOROETHANE | 107-06-2 | 5.0 | ND |
| BENZENE | 71-43-2 | 5.0 | ND |
| TRICHLOROETHENE | 79-01-6 | 5.0 | ND |
| 1,2-DICHLOROPROPANE | 78-87-5 | 5.0 | ND |
| BROMODICHLOROMETHANE | 75-27-4 | 5.0 | ND |
| 2-CHLOROETHYLVINYL ETHER | 110-75-8 | 5.0 | ND |
| TRANS-1,3-DICHLOROPROPENE | 10061-02-6 | 5.0 | ND |
| 4-METHYL-2-PENTANONE | 108-10-1 | 10 | ND |
| TOLUENE | 108-88-3 | 5.0 | ND |
| CIS-1,3-DICHLOROPROPENE | 10061-01-5 | 5.0 | ND |
| 1,1,2-TRICHLOROETHANE | 79-00-5 | 5.0 | ND |
| TETRACHLOROETHENE | 127-18-4 | 5.0 | 9.4 |
| 2-HEXANONE | 591-78-6 | 10 | ND |

TEL:222-481

Dec 08 93 | 10:07 No.UU1 P.U5

K PRIME, INC. LABORATORY REPORT

SAMPLE ID:

9311301245

LAB NO:

4318

METHOD: VOLATILE ORGANIC COMPOUNDS

SAMPLE TYPE:

WATER

REFERENCE: EPA 8240/624

DATE SAMPLED: TIME SAMPLED: 11/30/93

OUR PROJECT: 9240

016.17 DATE AL

12:45

YOUR PROJECT: 48016.17

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|-----------|--------------------|----------------|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND |
| CHLOROBENZENE | 108-90-7 | 5.0 | ND |
| ETHYLBENZENE | 100-41-4 | 5.0 | ND |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND |
| XYLENE (O) | 1330-20-7 | 5.0 | ND |
| STYRENE | 100-42-5 | 5.0 | ND |
| BROMOFORM | 75-25-2 | 5.0 | ND |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND |
| 1,3-DICHLOROBENZENE | 541-73-1 | 5.0 | ND |
| 1,4-DICHLOROBENZENE | 106-46-7 | 5.0 | ND |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

| PREPARED BY: | clv | |
|--------------|---------|--|
| DATE: | 123 93 | |
| | 11-11- | |
| PPROVED BY: | RAK | |
| DATE: | 12/7/13 | |

K PRIME, INC. LABORATORY REPORT

SAMPLE ID:

9311301338

LAB NO:

4319

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

WATER 11/30/93

DATE SAMPLED: TIME SAMPLED:

13:38

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|------------|--------------------|----------------|
| CHLOROMETHANE | 74-87-3 | 10 | ND |
| VINYL CHLORIDE | 75-01-4 | 10 | ND |
| BROMOMETHANE | 74-83-9 | 10 | ND |
| CHLOROETHANE | 75-00-3 | 10 | ND |
| TRICHLOROFLUOROMETHANE | 75-69-4 | 5.0 | ND |
| TRICHLOROTRIFLUOROETHANE | 76-13-1 | 5.0 | ND |
| ACETONE | 67-64-1 | 20 | ND |
| 1,1-DICHLOROETHENE | 75-35-4 | 5.0 | ND |
| CARBON DISULFIDE | 75-15-0 | 5.0 | ND |
| METHYLENE CHLORIDE | 75-09-2 | 5.0 | ND |
| TRANS-1,2-DICHLOROETHENE | 156-60-5 | 5.0 | ND |
| 1,1-DICHLOROETHANE | 75-34-3 | 5.0 | ND |
| VINYL ACETATE | 108-05-4 | 10 | ND |
| CIS-1,2-DICHLOROETHENE | 156-59-2 | 5.0 | ND |
| 2-BUTANONE | 78-93-3 | 20 | ND |
| CHLOROFORM | 67-66-3 | 5.0 | ND |
| 1,1,1-TRICHLOROETHANE | 71-55-6 | 5.0 | ND |
| CARBON TETRACHLORIDE | 56-23-5 | 5.0 | ND |
| 1,2-DICHLOROETHANE | 107-06-2 | 5.0 | ND |
| BENZENE | 71-43-2 | 5.0 | ND |
| TRICHLOROETHENE | 79-01-6 | 5.0 | 20.0 |
| 1,2-DICHLOROPROPANE | 78-87-5 | 5.0 | ND |
| BROMODICHLOROMETHANE | 75-27-4 | 5.0 | ND |
| 2-CHLOROETHYLVINYL ETHER | 110-75-8 | 5.0 | ND |
| TRANS-1,3-DICHLOROPROPENE | 10061-02-6 | 5.0 | ND |
| 4-METHYL-2-PENTANONE | 108-10-1 | 10 | ND |
| roluene | 108-88-3 | 5.0 | ND |
| CIS-1,3-DICHLOROPROPENE | 10061-01-5 | 5.0 | ND |
| 1,1,2-TRICHLOROETHANE | 79-00-5 | 5.0 | ND |
| TETRACHLOROETHENE | 127-18-4 | 5.0 | 123 |
| 2-HEXANONE | 591-78-6 | 10 | ND |

LABORATORY REPORT

SAMPLE ID:

9311301338

LAB NO:

4319

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

DATE SAMPLED:

WATER 11/30/93

TIME SAMPLED:

13:38

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|-----------|--------------------|----------------|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND |
| CHLOROBENZENE | 108-90-7 | 5.0 | ND |
| ETHYLBENZENE | 100-41-4 | 5.0 | ND |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND |
| XYLENE (O) | 1330-20-7 | 5.0 | ND |
| STYRENE | 100-42-5 | 5.0 | ND |
| BROMOFORM | 75-25-2 | 5.0 | ND |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND |
| 1,3-DICHLOROBENZENE | 541-73-1 | 5.0 | ND |
| 1,4-DICHLOROBENZENE | 106-46-7 | 5.0 | ND |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

| PREPARED BY: | CW1 |
|--------------|---------|
| DATE: | 12/3/93 |
| | |

APPROVED BY: AMK

K PRIME, INC. LABORATORY REPORT

SAMPLE ID:

9311301520

LAB NO:

4320

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE; EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

WATER

DATE SAMPLED:

11/30/93

TIME SAMPLED:

15:20

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC | |
|---------------------------|------------|--------------------|----------------|--|
| CHLOROMETHANE | 74-87-3 | 10 | ND | |
| VINYL CHLORIDE | 75-01-4 | 10 | ND | |
| BROMOMETHANE | 74-83-9 | 10 | ND | |
| CHLOROFTHANE | 75-00-3 | 10 | ND | |
| TRICHLOROFLUOROMETI IANE | 75 69-4 | 5.0 | ND | |
| TRICHLOROTRIFLUOROETHANE | 76-13-1 | 5.0 | ND | |
| ACETONE | 67-64-1 | 20 | ND | |
| 1,1-DICHLOROETHENE | 75-35-4 | 5.0 | ND | |
| CARBON DISULFIDE | 75-15-0 | 5.0 | ND | |
| METHYLENE CHLORIDE | 75-09-2 | 5.0 | ND | |
| TRANS-1,2-DICHLOROETHENE | 156-60-5 | 5.0 | ND | |
| 1,1-DICHLOROETHANE | 75-34-3 | 5.0 | ND | |
| VINYL ACETATE | 108-05-4 | 10 | ND | |
| CIS-1,2-DICHLOROETHENE | 156-59-2 | 5.0 | ND | |
| 2-BUTANONE | 78-93-3 | 20 | ND | |
| CHLOROFORM | 67-66-3 | 5.0 | ND | |
| 1,1,1-TRICHLOROETHANE | 71-55-6 | 5.0 | ND | |
| CARBON TETRACHLORIDE | 56-23-5 | 5.0 | ND | |
| 1,2-DICHLOROETHANE | 107-06-2 | 5.0 | ND | |
| BENZENE | 71-43-2 | 5.0 | ND | |
| TRICHLOROETHENE | 79-01-6 | 5.0 | ND | |
| 1,2-DICHLOROPROPANE | 78-87-5 | 5.0 | ND | |
| BROMODICHLOROMETHANE | 75-27-4 | 5.0 | ND | |
| 2-CHLOROETHYLVINYL ETHER | 110-75-8 | 5.0_ | ND | |
| TRANS-1,3-DICHLOROPROPENE | 10061-02-6 | 5.0 | ND | |
| 4-METHYL-2-PENTANONE | 108-10-1 | 10 | ND | |
| TOLUENE | 108-88-3 | 5.0 | ND | |
| CIS-1,3-DICHLOROPROPENE | 10061-01-5 | 5.0 | ND | |
| 1,1,2-TRICHLOROETHANE | 79-00-5 | 5.0 | ND | |
| TETRACHLOROETHENE | 127-18-4 | 5.0 | 121 | |
| 2-HEXANONE | 591-78-6 | 10 | ND | |

LABORATORY REPORT

SAMPLE ID:

9311301520

LAB NO:

4320

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

WATER

DATE SAMPLED:

11/30/93

TIME SAMPLED:

15:20

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|-----------|--------------------|----------------|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND |
| CHLOROBENZENE | 108-90-7 | 5.0 | ND |
| ETHYLBENZENE | 100-41-4 | 5.0 | ND |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND |
| XYLENE (O) | 1330-20-7 | 5.0 | ND |
| STYRENE | 100-42-5 | 5.0 | ND |
| BROMOFORM | 75-25-2 | 5.0 | ND |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND |
| 1,3-DICHI OROBENZENE | 541-73-1 | 5.0 | ND ND |
| 1,4-DICHLOROBENZENE | 106-46-7 | 5.0 | ND ND |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY:____

DATE:

APPROVED BY: KAK

DATE: 12/7/93

LABORATORY REPORT

SAMPLE ID:

9311301600

LAB NO:

4321

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

DATE SAMPLED:

WATER 11/30/93

TIME SAMPLED:

16:00

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC | |
|---------------------------|-----------|--------------------|----------------|--|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND | |
| CHLOROBENZENE | 108 90-7 | 5.0 | ND | |
| ETHYLBENZENE | 100-41-4 | 5.0 | ΩN | |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND | |
| XYLENE (O) | 1330-20-7 | 5.0 | ND | |
| STYRENE | 100-42-5 | 5.0 | ND | |
| BROMOFORM | 75-25-2 | 5.0 | ND | |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND | |
| 1,3-DICHLOROBENZENE | 541-73-1 | 5.0 | ND | |
| 1,4-DICHLORORFNZENE | 106-46-7 | 5.0 | ND | |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND | |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

| PREPARED BY: | | |
|--------------|---------|-----------|
| DATE: | 12/3/93 | 17. 11. 4 |

APPROVED BY: SMC DATE: /2/7/93

LABORATORY REPORT

SAMPLE ID:

9311301630

LAB NO:

4322

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

WATER 11/30/93

DATE SAMPLED: TIME SAMPLED:

16:30

DATE ANALYZED:

12/1/93

UNITS:

µg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE CONC |
|---------------------------|------------|--------------------|----------------|
| CHLOROMETHANE | 74-87-3 | 10 | ND |
| VINYL CHLORIDE | 75-01-4 | 10 | ND |
| BROMOMETHANE | 74-83-9 | 10 | ND |
| CHLOROETHANE | 75-00-3 | 10 | ND |
| TRICHLOROFLUOROMETHANE | 75-69-4 | 5.0 | ND |
| TRICHLOROTRIFLUOROETHANE | 76-13-1 | 5.0 | ND |
| ACETONE | 67-64-1 | 20 | ND |
| 1,1-DICHLOROETHENE | 75-35-4 | 5.0 | ND |
| CARBON DISULFIDE | 75-15-0 | 5.0 | ND |
| METHYLENE CHLORIDE | 75-09-2 | 5.0 | ND |
| TRANS-1,2-DICHLOROETHENE | 156-60-5 | 5.0 | ND |
| 1,1-DICHLOROETHANE | 75-34-3 | 5.0 | ND |
| VINYL ACETATE | 108-05-4 | 10 | ND |
| CIS-1,2-DICHLOROETHENE | 156-59-2 | 5.0 | ND |
| 2-BUTANONE | 78-93-3 | 20 | ND |
| CHLOROFORM | 67-66-3 | 5.0 | 127 |
| 1,1,1-TRICHLOROETHANE | 71-55-6 | 5.0 | ND |
| CARBON TETRACHLORIDE | 56-23-5 | 5.0 | ND |
| 1,2-DICHLOROETHANE | 107-06-2 | 5.0 | ND |
| BENZENE | 71-43-2 | 5.0 | ND |
| TRICHLOROETHENE | 79-01-6 | 5.0 | ND |
| 1,2-DICHLOROPROPANE | 78-87-5 | 5.0 | ND |
| BROMODICHLOROMETHANE | 75-27-4 | 5.0 | 9.3 |
| 2-CHLOROETHYLVINYL ETHER | 110-75-8 | 5.0 | ND |
| TRANS-1,3-DICHLOROPROPENE | 10061-02-6 | 5.0 | ND |
| 4-METHYL-2-PENTANONE | 108-10-1 | 10 | ND |
| TOLUENE | 108-88-3 | 5.0 | ND |
| CIS-1,3-DICHLOROPROPENE | 10061-01-5 | 5.0 | ND |
| 1,1,2-TRICHLOROETHANE | 79-00-5 | 5.0 | ND |
| TETRACHLOROETHENE | 127-18-4 | 5.0 | ND |
| 2-HEXANONE | 591-78-6 | 10 | ND |

LABORATORY REPORT

SAMPLE ID:

9311301630

LAB NO:

4322

METHOD: VOLATILE ORGANIC COMPOUNDS

REFERENCE: EPA 8240/624

OUR PROJECT: 9240

YOUR PROJECT: 48016.17

SAMPLE TYPE:

DATE SAMPLED:

WATER 11/30/93

TIME SAMPLED:

16:30

DATE ANALYZED:

12/1/93

UNITS:

μg/L

| COMPOUND NAME | CAS NO. | REPORTING LIMIT | SAMPLE |
|---------------------------|-----------|--------------------|--------|
| DIBROMOCHLOROMETHANE | 124-48-1 | 5.0 | ND |
| CHLOROBENZENE | 108-90-7 | 5.0 | ND |
| ETHYLBENZENE | 100-41-4 | 5.0 | ND |
| XYLENE (M+P) | 1330-20-7 | 5.0 | ND |
| XYLENE (O) | 1330-20-7 | 5.0 | ND |
| STYRENE | 100-42-5 | 5.0 | ND |
| BROMOFORM | 75-25-2 | 5.0 | ND |
| 1,1,2,2-TETRACHLOROETHANE | 79-34-5 | 5.0 | ND |
| 1,3-DICHLOROBENZENE | 541-73-1 | 5.0 | ND |
| 1,4-DICHLOROBENZENE | 106-46-7 | 5.0 | ND |
| 1,2-DICHLOROBENZENE | 95-50-1 | 5.0 | ND |

NOTES:

ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY:

APPROVED BY: RAK

DATE: 12/7/93

APPENDIX D
WATER SAMPLING FORMS



| Job No |). 48016.17 | Site: LNe | rmore Arcade | Date: 10 | -30-93 |
|---------|-----------------------------------|---------------|-----------------------------------|--------------------------------|-----------------|
| Well N | D. MW-Z | Sampling | Team: Swat ME | LSON | |
| Sampl | ing Method: | DISPOSA BLE | BAILER | <u></u> | |
| Field C | Conditions: | VNVY | Cool | | • |
| Descri | be equipment D-(พรม คงเช. ษณ | Con before | sampling well: | ASH, RINSE, RIN | ರ್ಷ , |
| Total o | depth of well: _ | 50.0 | feet | | |
| Depth | to water before p | umping: | 36.19 feet | Time: | 1102 |
| | of Water Colum purging from: _ | | feet *0 <u>.16</u> 0.65 | yolume = 2.2 gs g begins: 1120 | Factor To Purge |
| Time | Volume Purged (In Gallons) | pH (Units) | Conductivity (umhos/cm@ 25 °C) | T % Dissolved (%) O2 | Notes |
| 1120 | | 11. 0 | 4.94 × 100 ms | 65.6 | |
| 1150 | 3 | 8.4 | 4.70 | (2.9 | |
| 11:36 | 3.5 | 2.05 | 4.76 | 64.1 | |
| 11:43 | <u> </u> | 8.7 | 5.26 | 63.8 | |
| 1145 | | <u> 8. u</u> | 5.12 V | 64.3 | |
| - | | | | SAMPLEN | £ 9311301145 |



| JOD NO |). <u>19016.17</u> | Site: | ivenume Arcada | | Date: | -30-63 | _ |
|---------|-------------------------------|---------------|-----------------------------------|-------------|-------------------|------------|-----------------------|
| Well No | D. MW-5 | Sampling ' | Team: <u>Sana</u> | NELSO A |) | | _ |
| Sampli | ing Method: | DISPOSA B | LE BAILER | | • | | |
| Field C | Conditions: | warm, | SUNDY | | _ | · | |
| Descril | be equipment D- | Con before | sampling well: نمن در | ASH. P | INSE , | KINSE | _ |
| Total c | depth of well: | 50.25 | feet | | | | |
| Depth | to water before p | :gniqmu | 38.5£ feet | | Time: | 210 | |
| | of Water Colum | | | = | <u>7.6 g</u> a | Factor To | lume Purge 22.8 |
| Time | Volume Purged (in Gallons) | pH (Units) | Conductivity (umhos/cm@ 25 °C) | T % | 6 Dissolved O2 | No | oles |
| izio | | 6.3 | 6.68 × 100 p | १ हर-त | | | |
| 1215 | | | 6.69 | | | | |
| 1219 | | | 6.86 | | | | |
| 1225 | | 6.35 | 6.84 | 65.1 | | | |
| 1:30 | 16 | 6.75 | 6.50 | <u>65.0</u> | | | |
| 1:45 | 22 | 6.9 | 6.11 | 66.3 | | | , |
| | | | | | Su | gk # 93113 | 0/2 <i>0</i> /5 |



| Job No. | 48016.17 | Site: Liver | more Arcade: | Dale: 11-30 | 0-93 |
|---------|---------------------------------|---------------|--------------------------------|-----------------------|--|
| Well No | <u> Mw-7</u> | Sampling To | eam: <u>Se-77 Ne</u> | -SDN | |
| Samplin | ng Method: | DIS POSABLE | BAILER | _ | |
| Field C | onditions: 뇬 | ARM 1 50 | NNY | | |
| Describ | | | empling well: <u>u4</u> | H, RINSE, RINS | E, |
| | 7012 | | PAILE | | |
| Total d | epth of well: | 65-0 fe | et | | |
| Depth t | o water before p | umping: | 37. 2 <i>5</i> feet | Time:! | 300 |
| • | of Water Colum purging from: | | eet 10.16 0 <u>.65</u> | F | urge Volume actor To Purge <u>3 = 54</u> |
| Time | Volume Purged (In Gallons) | pH (Units) | Conductivity (umhos/cm@ 25 °C) | T % Dissolved (°C) O2 | Notes |
| 1300 | 0 | 5.7 | 5.23 × 100) MS | 63 | |
| 1310 | 13 | 5.76 | 5.85 | 62.7 | |
| 1315 | 13 | <u>5-90</u> | S-(3 | 60.7 | |
| 1322 | 7.5 | 5.82 | _ S.W | 6,0.3 | <u> </u> |
| 1355 | 33 | 6.05 | _ S.6 \$ | 61.1 | |
| 1339 | 53 | 6-11 | 5.41 | 62:2 | · |
| | | | | | _ |



| Job No | . 48016.17 | Site: Li | verme Areadi | | Dale: 11-30-93 | B |
|---------|-------------------------------|---------------|-----------------------------------|---------|----------------------|-------------|
| Well No |). MN-6 | Sampling 1 | Team: Sent | SELSO. | <u> </u> | · |
| Sampli | ng Method: | AUPSSAG | LE BAILER | | | |
| Field C | onditions: | unem, s | (022) | | | · |
| Describ | oe equipment D-(ಎ ಕ್ಲು | Con before | sampling well: <u>w</u> | nsil, f | INSE , RINSE | |
| Total c | lepth of well: _ | 50.0 | eet | | | |
| Depth | io water before p | umping: | 37.38 feet | | Time: IUS | ò |
| | of Water Colum | | 2-in 4-in. | = | Fade 8-2 gal. * 3 | or To Purge |
| Time | Volume Purged (In Gallons) | pH (Units) | Conductivity (umbos/cm@ 25 °C) | T % | Dissolved O2 | Notes |
| 1450 | | 6.58 | 2.77 × 100 45 | 63.8 | | |
| 1300 | | 6.60 | 2. 75 | 63.8 | | |
| 1505 | | 6.20 | 2-87 | 65. z | | |
| 1510 | | <u>6.50</u> | 3.30 | 63.6 | | |
| 1520 | 2.5 | 6.55 | 3.11 | 67.5 | | |
| | | | | | Sauped # | 931501526 |



| Job No | . 4806.17 | Site: _ Li | ERMORE trende | · | Date:/ | 1-30 - 93 |
|----------------------------|---|-----------------------------|--|--------------------------|---------------------------------------|-----------------|
| Well N | 0. MW-4 | Sampling | Team: Such No | clean | · · · · · · · · · · · · · · · · · · · | |
| Sampl | ing Method: | Disposela | Le Beiler | | | |
| Field C | Conditions: | SUNNY | , un RM | | | • |
| Descri | be equipment D- المجمد | Con before | sampling well: <u></u> | VKH, | riuse | , ruse |
| Total o | depth of well: | 78.0 | feet | | | |
| Depth | io water before p | oumping: | 35.63 feet | | Time: | حوكا |
| Height | of Water Colum | זביבי ה: | feet *0.16 0.65 | | - 14.5 n= | Factor To Purge |
| Depth | purging from: | ~22.0 | Time purgin | g begin: | s: <u>153</u> 0 | |
| | | | . | | _ | Notes |
| Depth | purging from: | ~22.6 pH | Time purgin | g begin: T (°C) | S: 1530 % Dissolved | |
| Depth | Purging from: | pH (Units) | Conductivity (umhos/cm@ 25 °C) | g begin: T (°C) | S: 1530 % Dissolved | |
| Depth Time | Purging from: Volume Purged (in Gallons) | PH (Units) | Time purgin Conductivity (umhos/cm@ 25 °C) S-0 X (80 µS | T (°C) | S: 1530 % Dissolved | |
| Depth Time | Purging from: Volume Purged (in Gallons) | pH (Units) 5.89 | Conductivity (umhos/cm@ 25°C) S-0 × 160 µS | T (°C) 61.5 | S: 1530 % Dissolved | |
| Depth Time [-30 1535 1541 | Purging from: Volume Purged (in Gallons) | pH (Units) 5.87 5.72 | Conductivity (umhos/cm@25°C) S-0 x (80 µS 4-85 | F (°C) 61.5 63.2 | % Dissolved O2 | |
| Depth Time 1535 1541 1545 | purging from: Volume Purged (In Gallons) | pH (Units) 5.87 5.72 5.9 | Conductivity (umhos/cm@ 25°C) S-0 X (10 µS 4-8 S 5-60 S-17 | F (°C) 61.5 63.2 64.3 | S: 1530 % Dissolved O2 | |