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June 21, 2001

Ms. eva chu
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502



Dear Ms. chu:

Subject: Quarterly Groundwater Monitoring Report.

AC Transit, 1177 47th Street, Emeryville

AC Transit hereby submits the enclosed quarterly groundwater monitoring report for the AC Transit facility located at 1177 47th Street in Emeryville. The report was prepared by our consultant, Safety-Kleen Consulting and contains the results of the March 2001 sampling event and additional studies conducted pursuant to directives from your office.

Groundwater samples from the 14 on-site monitoring wells (MW-1 through MW-10, W-1 through W-4) were collected and analyzed for total extractable petroleum hydrocarbons (TPH) using modified EPA Method 8015 and benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), and gasoline using EPA Method 8021B. Depth to groundwater was measured in each well and groundwater contour maps were developed for the report. Analytical results indicate that TPH was detected in all wells except well MW-4 at concentrations that ranged from 220 to 7,200 ppb. Benzene was detected above the California maximum contaminant level of 1 ppb in wells W-1 and MW-6 at concentrations of 32 ppb and 49 ppb, respectively. MTBE was detected in four monitoring wells (MW-1, MW-2, MW-5, and MW-9) with concentrations ranging from 5.5 ppb to 87 ppb.

Additional site investigation activities performed to test soil at a former underground storage tank site included drilling and collecting soil samples from four soil borings(SB-1 to SB-4) and collecting a grab groundwater sample from one boring (SB-1). The results of the soil samples indicate that the compounds detected were limited to low levels of hydrocarbons in three borings, with the exception of low levels of ethylbenzene and xylenes detected in SB-2. Analytical results of the grab groundwater sample from SB-1 indicated the presence of trichloroethene, tetrachloroethene, cis-1,2-dichlorothene, ethylene glycol, diesel and motor oil.

To further evaluate the potential impacts from a past diesel release from the fuel island, grab groundwater samples were collected from four borings (SB-5 to SB-8) drilled along the downgradient property boundary. The results of the grab groundwater samples indicate the



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GROUNDWATER MONITORING REPORT FOR THE AC TRANSIT FACILITY LOCATED AT 1177 47th STREET, EMERYVILLE, CALIFORNIA

May 2001

Prepared For:

Ms. Suzanne Patton AC Transit 10626 E. 14th Street Oakland, California 94603

JUN 2 5 2001

Prepared By:

Safety-Kleen Consulting 2233 Santa Clara Avenue Alameda, California 94501

Project No: 792551

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Alameda 94521
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Safety-kleen

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Project No: 792551

Approved By Brad Wright,

Senior Geologist

Written By Brady Hanson

Geologist I

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INTRODUCTION

This report presents the results from the first quarter 2001 sampling event for the AC Transit Facility located at 1177 47th Street, Emeryville, California (Site). Groundwater sampling of monitor wells MW-1 through MW-10 was reinstated in August 1999, in accordance with directives from Alameda County Health Care Services (ACHCS). In a letter dated February 2, 2000, ACHCS requested that the status of monitor wells W-1 through W-4 be determined, and if found, be included in the quarterly sampling events. In addition, the February 2, 2000, letter requested that analysis for methyl tert-butyl ether (MTBE) and gasoline be performed on all Site monitor wells. AC Transit retained Safety-Kleen Consulting to perform this work.

Additional characterization activities performed during the first quarter 2001 included installation of eight borings for purposes of assessing the extent from a past release of diesel in soil and groundwater in the vicinity of Tank Farm No. 1. The scope of work associated with the installation of eight borings was described in the document "Workplan for Additional Subsurface Investigation at the AC Transit 1177 47th Street Facility, Emeryville, California" dated August 8, 2000. The workplan was accepted by the ACHCS in a letter dated November 20, 2000, with a request to revise the scope of work to include soil borings in the vicinity of former Tank Farm No. 2. A letter of addendum to the workplan dated December 6, 2000, presented the scope of work performed in the vicinity of Tank Farm No. 2. The addendum to the workplan was approved by the ACHCS in a letter dated December 11, 2000, with requested modifications to the laboratory analysis.

ADDITIONAL SUBSURFACE INVESTIGATIONS

On January 22, 2001, four borings (SB-1 through SB-4) were installed in the vicinity of former Tank Farm No. 2. The borings were installed under permit issued by the Alameda County Public Works Agency a copy of which has been included in Appendix A. During boring installation, a continuous core of the lithology was collected for description and field monitoring with a photoionization detector (PID). PID measurements were used to assist with selection of sample intervals to be submitted to the analytical laboratory. Soil boring logs are presented in

Appendix B and the location of the borings is presented on Figure 1. A fifth boring installed within the former Tank Farm No. 2 pit encountered refusal at a depth of 14 feet below groundsurface. This refusal was attributed to a concrete pad installed during the original tank pit construction.

Samples selected for laboratory analysis included one grab groundwater sample from SB-1 and one soil sample from each boring SB-1 through SB-4. As no significant PID measurements were recorded during boring installation, soil samples were collected from immediately above first encountered groundwater. These samples were submitted for analysis by USEPA Methods 8015 modified for Total Purgeable Hydrocarbons (TPH) as stoddard solvent, motor oil, and diesel, NIOSH Method 5500 for ethylene glycol and USEPA Method 8260 for volatile organic compounds (VOCs). The results of the laboratory analysis are summarized in Table 1. Certified analytical reports are presented in Appendix C. Compounds detected in excess of State of California Maximum Contaminant Levels (MCLs) in the grab groundwater sample collected from SB-1 included trichloroethene (TCE), tetrachloroethene (PCE) and cis-1,2-dichloroethene (cis-1,2-DCE). Additionally, TPH as diesel, motor oil and ethylene glycol were detected in the grab groundwater sample. Compounds detected in soil samples were limited to hydrocarbons detected in samples collected from borings SB-1, SB-2 and SB-3 with the exception of low levels of ethylbenzene and xylene detected in SB-2.

To further define the extent of diesel in groundwater, four borings (SB-5 through SB-8) were installed along the downgradient property boundary. Soil boring logs are presented in Appendix B and the location of the borings is presented on Figure 1. Grab groundwater samples from these borings were submitted for laboratory analysis by USEPA Method 8015 for TPH as diesel and motor oil and USEPA Method 8260 for VOCs. The results of the laboratory analysis are summarized in Table 1. Certified analytical reports are presented in Appendix C. Elevated concentrations of diesel and motor oil were detected in the samples collected from borings SB-6 and SB-7. Concentrations of methyl tert-butyl ether (MTBE) were detected over the MCL in samples collected from borings SB-5 and SB-7.

GROUNDWATER MONITORING

Groundwater well monitoring performed during this event included measuring depth to water in the monitor wells and sample collection. Groundwater samples were analyzed for total extractable petroleum hydrocarbons (TEPH) using USEPA Method 8015 Modified and benzene, toluene, ethylbenzene, xylenes (BTEX), MTBE, and gasoline by EPA Method 8021B.

A site map displaying the monitoring well locations is presented as Figure 1. Chain-of-custody documents, field data sheets and certified analytical reports are included in Appendix D.

Groundwater Elevations and Flow Direction

On March 20, 2001, all 14 Site monitor wells were inspected and measured for the presence of free phase hydrocarbons and depth to groundwater. Measurements of depths to groundwater are presented on Table 2 and were used to construct the groundwater elevation contours shown in Figure 1. As shown on Figure 1, groundwater flow is to the west at a gradient of 0.046 feet/foot.

Groundwater Sampling Activities

The monitor wells were purged a minimum of three casing volumes using a centrifugal pump and samples were collected using disposable polyethylene bailers in all wells except W-2, which was abandoned on January 23, 2001. During well purging, field parameters for pH, electrical conductivity and temperature were monitored using calibrated field meters.

Groundwater samples were transferred to 40-milliliter glass vials preserved with hydrochloric acid and one-liter non-preserved amber glass containers and placed in an ice-filled cooler for shipment under chain-of-custody to a State of California certified laboratory. A trip blank was submitted for analysis by EPA Method 8021B.

Groundwater Analytical Results

Table 3 presents groundwater analytical results for the March 2001 sampling event. TPH was detected in all Site monitor wells except for MW-4. Concentrations of TPH above laboratory reporting limits ranged from 220 to 7200 parts per billion (ppb). Benzene was detected in wells W-1 and MW-6, at concentrations of 32 ppb and 49 ppb, respectively. These concentrations are above the maximum contaminant level (MCL) for benzene of 1.0 ppb. Toluene was detected in monitor well MW-7 at a concentration below the MCL. Toluene, ethylbenzene and xylenes were detected in monitor wells MW-6 and W-1 at concentrations below the MCLs. MTBE was detected in four wells, three of which exceed the MCL of 13 ppb. These are MW-1, MW-2, and MW-5, at concentrations of 17 ppb, 33 ppb, and 87 ppb, respectively. MTBE concentration in MW-9 was below the MCL.

No analytes were detected in the trip blanks or method blanks. A lab control spike and lab control spike duplicate passed the EPA's criteria for acceptance.

SUMMARY OF RESULTS

- Soil samples collected in the vicinity of former Tank Farm No. 2 were impacted by concentrations of TPH;
- The grab groundwater sample collected in the vicinity of former Tank Farm No.
 2 was impacted by VOCs over MCLs and diesel, motor oil and ethylene glycol;
- Elevated concentrations of diesel and motor oil were detected in grab groundwater samples collected from downgradient borings SB-6 and SB-7;
- MTBE was detected in grab groundwater samples collected from borings SB-5 and SB-7 and monitor wells MW-1, MW-2, MW-5 above the MCL of 13 ppb.
- Benzene was detected in W-1, and MW-6 above the MCL of 1 ppb.

- TPH was detected in all Site monitor wells except MW-4.
- Groundwater flow is to the west at a gradient of 0.046 feet/foot.

PROJECTED WORK AND RECOMMENDATIONS

- Quarterly groundwater monitoring is scheduled for June 2001.
- An additional monitor well should be installed along the downgradient property line to confirm elevated concentrations of diesel and motor oil detected in grab groundwater samples.

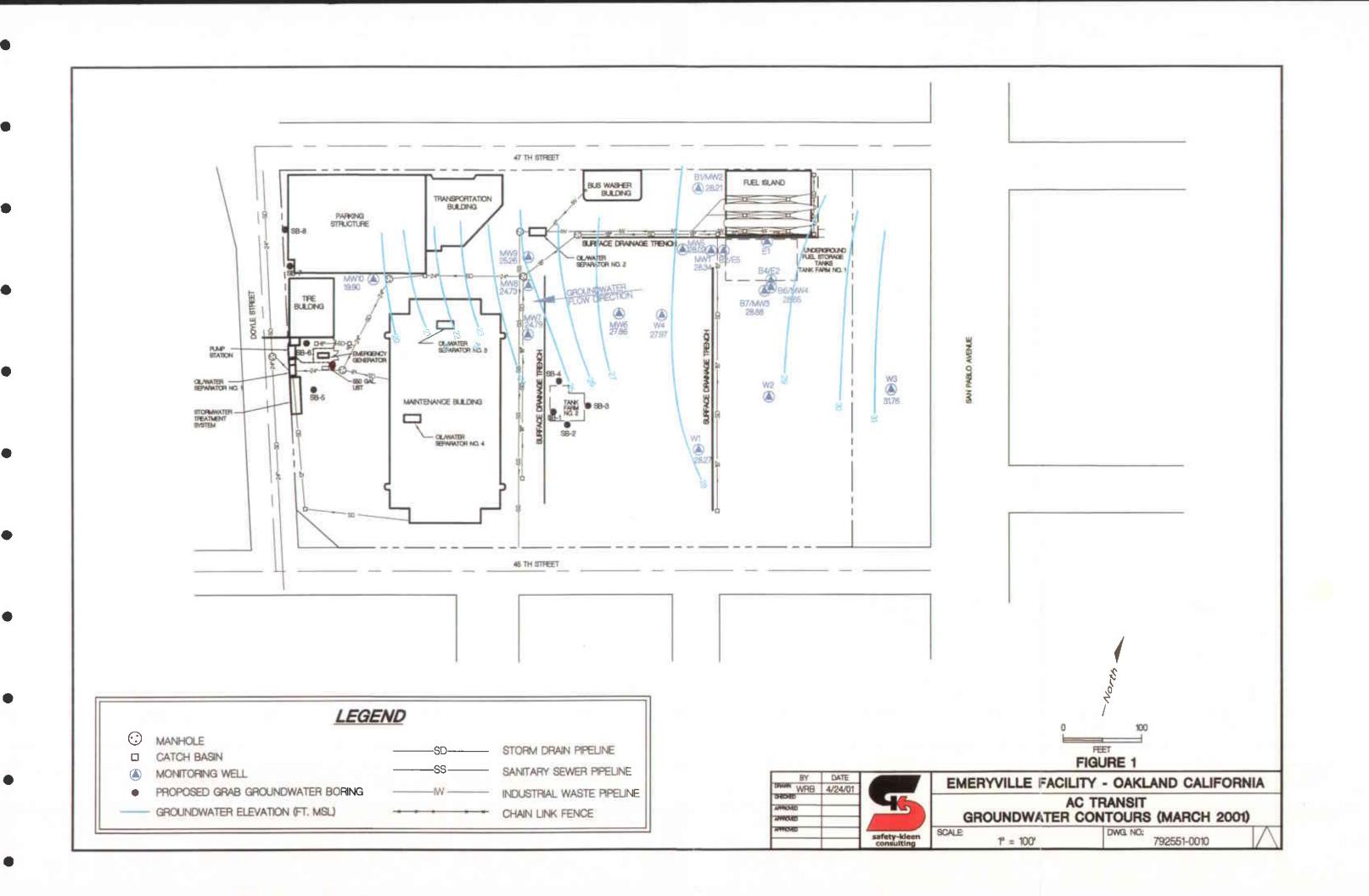


TABLE 1

SUMMARY OF ADDITIONAL CHARACTERIZATION ANALYTICAL DATA AC TRANSIT 1177 47TH STREET, EMERYVILLE, CALIFORNIA

| Well | Date | TCE | PCE | MTBE | В | T | Е | X | TPH-8015 | SS | Diesel | Motor Oil | EG | cis-1,2-DCE |
|--------------|--|------|------|------|------|------|------|------|----------|--------|-----------|-----------|--------|-------------|
| MCL (ppb) | · | 5 | 5 | 13 | 1 | 150 | 700 | 1750 | | | | | | 6 |
| Water | | | | | | | | | | | | | | |
| SB-1 | 1/22/01 | 10 | 6.50 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 69 | <0.056 | 260 | 280 | 18,000 | 11 |
| SB-5 | 1/23/01 | <2.0 | <2.0 | 15 | <2.0 | <2.0 | <2.0 | <2.0 | <50 | N/A | N/A | N/A | N/A | <2.0 |
| SB-6 | 1/23/01 | <2.0 | <2.0 | 12 | <2.0 | <2.0 | <2.0 | <2.0 | 3,600 | N/A | 8,600 | 1,700 | N/A | <2.0 |
| SB-7 | 1/22/01 | <2.0 | <2.0 | 19 | <2.0 | <2.0 | <2.0 | <2.0 | 24,000 | N/A | 2,400,000 | 450,000 | N/A | <2.0 |
| SB-8 | 1/23/01 | <2.0 | <2.0 | 10 | <2.0 | <2.0 | <2.0 | <2.0 | 83 | N/A | 160 | <310 | N/A | <2.0 |
| | ************************************** | | | | | | | | | | | | | |
| Soil (ppm) | | | | | | | | | | | | | | |
| SB-1 15 -16 | 1/22/01 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | 27 | <1.0 | <1.0 | <10 | <10 | <.10 |
| SB-2 9'-10' | 1/22/01 | <.10 | <.10 | <.10 | <.10 | <.10 | 0.73 | 0.24 | 330 | 4.10 | 6.40 | <10 | 12 | <.10 |
| SB-3 11'-12' | 1/22/01 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | 560 | <1.0 | 2.10 | <10 | <10 | <.10 |
| SB-4 11'-12' | 1/22/01 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | <.10 | <1.0 | <1.0 | <1.0 | <10 | <10 | <.10 |

Notes:

N/A: not analyzed EG: Ethelene glycol

B, T, E, X: Benzene, Toluene, Ethylbenzene, Xylene (respectively)

TPH: total petroleum hydrocarbons MCL: maximum contaminant level

SS: Stoddard Solvent PCE: Tetrachloroethene TCE: Trichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethylene

TABLE 2 GROUNDWATER LEVEL MEASUREMENTS AC TRANSIT 1177 47TH STREET, EMERYVILLE, CALIFORNIA

| Well | Date | Top of Casing Elevation (ft-msl) | Product Thickness (feet) | DTW (feet) | Groundwater Elevation (ft-msl) | Groundwater Elevation Corrected from Product Thickness* (ft-msl) |
|-----------|----------|--|--------------------------------|---|--------------------------------------|--|
| MW-1 | 8/31/99 | 32.56 | None | 3.24 | 29.32 | NA |
| IVI W - 1 | 11/23/99 | 32.30 | None | 4.55 | 28.01 | NA |
| | 3/1/00 | | None | 3.65 | 28.91 | NA |
| | 5/17/00 | | None | 4.08 | 28.48 | NA |
| | 8/30/00 | | None | 5.18 | 27.38 | NA |
| | 12/18/00 | | None | 4.86 | 27.7 | NA |
| | 3/20/01 | | None | 4.22 | 28.34 | NA |
| A GWL O | 8/31/99 | 32.12 | None | 5.24 | 26.88 | NA |
| MW-2 | 11/23/99 | J2.12 | None | 4.03 | 28.09 | NA |
| | | | None | 3.11 | 29.01 | NA |
| | 3/1/00 | | None | 3.66 | 28.46 | NA |
| | 5/17/00 | | | 4.65 | 27.47 | NA |
| | 8/30/00 | | None | 4.06 | 28.06 | NA |
| | 12/18/00 | | None | 4.00 3.91 | 28.21 | NA. |
| | 3/20/01 | 94.0/ | None | 000000000000000000000000000000000000000 | 27.91 | NA |
| MW-3 | 8/31/99 | 34.06 | None | 6.15 | 28.28 | NA |
| | 11/23/99 | | None | 5.78 | 29.24 | NA |
| | 3/1/00 | | None | 4.82 | | NA |
| | 5/17/00 | | None | 5.29 | 28.77 | NA NA |
| | 8/30/00 | | None | 6.20 | 27.86 | NA NA |
| | 12/18/00 | | None | 5.65 | 28,41 | NA NA |
| | 3/20/01 | | None | 5.18 | 28.88 | W. Sacra con configuration and 11111 11111 11111 11111 11111 |
| MW-4 | 8/31/99 | 34.11 | None | 6.22 | 27.89 | NA |
| | 11/23/99 | | None | 6.01 | 28.10 | NA NA |
| | 3/1/00 | | None | 4.74 | 29.37 | NA |
| | 5/17/00 | | None | 5.33 | 28.78 | NA |
| | 8/30/00 | | None | 6.26 | 27.85 | NA |
| | 12/18/00 | *** | None | 5.66 | 28.45 | NA |
| | 3/20/01 | | None | 5.46 | 28.65 | NA |
| MW-5 | 8/31/99 | 31.7 | None | 4.51 | 27. 1 9 | NA |
| | 11/23/99 | | None | 4.00 | 27.70 | NA |
| | 3/1/00 | | None | 3.31 | 28.39 | NA |
| | 5/17/00 | | None | 3.59 | 2 8 .1 1 | NA |
| | 8/30/00 | | None | 4.53 | 27.17 | NA |
| | 12/18/00 | | None | 3.97 | 27.73 | NA |
| | 3/20/01 | | None | 3.68 | 28.02 | NA |
| MW-6 | 8/31/99 | 31.02 | None | 4.40 | 26.62 | NA |
| | 11/23/99 | | None | 3.81 | 27.21 | NA |
| | 3/1/00 | | None | 2.88 | 28.14 | NA |
| | 5/17/00 | | None | 3.44 | 27.58 | NA |
| | 8/30/00 | | None | 4.40 | 26.62 | NA |
| | 12/18/00 | | None | 3.61 | 27.41 | NA |
| | 3/20/01 | | None | 3.16 | 27.86 | NA |
| MW-7 | 8/31/99 | | None | 5,47 | 24.15 | NA |
| - | 11/23/99 | | None | 4.93 | 24.69 | NA |
| | 3/1/00 | | None | 4.06 | 25.56 | NA |
| | 5/17/00 | | None | 4.69 | 24.93 | NA |
| | 8/30/00 | | None | 5.50 | 24.12 | NA |
| | 12/18/00 | | None | 5.78 | 23.84 | NA |
| | 3/20/01 | | None | 4.83 | 24.79 | NA |

TABLE 2 GROUNDWATER LEVEL MEASUREMENTS AC TRANSIT 1177 47TH STREET, EMERYVILLE, CALIFORNIA

| Well | Date | Top of Casing Elevation (ft-msl) | Product Thickness (feet) | DTW (feet) | Groundwater Elevation (ft-msl) | Groundwater Elevation Corrected from Product Thickness* (ft-msl) |
|-------------|----------|--|--------------------------------|------------|--------------------------------------|---|
| MW-8 | 8/31/99 | 29.43 | None | 5.35 | 24.08 | NA |
| 11211 0 | 11/23/99 | | None | 4.75 | 24.68 | NA |
| | 3/1/00 | | None | 4.48 | 24.95 | NA |
| | 5/17/00 | | None | 4.78 | 24.65 | NA |
| | 8/30/00 | | None | 5.02 | 24.41 | NA |
| | 12/18/00 | | None | 5.23 | 24.20 | NA |
| | 3/20/01 | | None | 4.70 | 24.73 | NA |
| MW-9 | 8/31/99 | 29.18 | None | 4.15 | 25.03 | NA |
| | 11/23/99 | | None | 3.93 | 25.25 | NA |
| | 3/1/00 | | None | 3.69 | 25.49 | NA |
| | 5/17/00 | | None | 3.56 | 25.62 | NA |
| | 8/30/00 | | None | 4.64 | 24.54 | NA |
| | 12/18/00 | | None | 4.02 | 25.16 | NA |
| | 3/20/01 | | None | 3.92 | 25.26 | NA NA |
| MW-10 | 8/31/99 | 29.13 | None | 9.59 | 19.54 | NA |
| 11277 20 | 11/23/99 | 2.7.2 | None | 9.44 | 19.69 | NA |
| | 3/1/00 | | None | 9.06 | 20.07 | NA |
| | 5/17/00 | | None | 9.31 | 19.82 | NA |
| | 8/30/00 | | None | 9.68 | 19.45 | NA |
| | 12/18/00 | | None | 9.41 | 19.72 | NA |
| | 3/20/01 | | None | 9,23 | 19,90 | NA. |
| W-1 | 3/2/00 | 33.43 | None | 4.08 | 29.35 | NA |
| ,. <u>-</u> | 5/17/00 | | None | 5.41 | 28.02 | NA |
| | 8/30/00 | | None | 6.71 | 26.72 | NA |
| | 12/18/00 | | None | 5.73 | 27.70 | NA |
| | 3/20/01 | | None | 5.16 | 28.27 | NA NA |
| W-2 | 5/17/00 | 34.21 | None | 5.60 | 28.61 | NA |
| | 8/30/00 | | None | 7.37 | 26.84 | NA |
| | 12/18/00 | | None | 6.44 | 27.77 | NA |
| W-3 | 5/17/00 | 37.46 | None | 6.38 | 31.08 | NA |
| | 8/30/00 | | None | 8.16 | 29.30 | NA |
| | 12/18/00 | | None | 7.19 | 30.27 | NA |
| | 3/20/01 | | None | 5.70 | 31.76 | NA. |
| W-4 | 3/2/00 | 31.72 | None | 3.34 | 28.38 | NA |
| | 5/17/00 | | None | 3.86 | 27.86 | NA |
| | 8/30/00 | | None | 4.99 | 26.73 | NA |
| | 12/18/00 | | None | 4.20 | 27.52 | NA |
| | 3/20/01 | | None | 3.75 | 27.97 | NA NA |

Notes

* used 0.8 specific gravity of product

ft-msl:feet mean sea level
DTW: Depth to water
NA: not applicable

TABLE 3
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

| Well | Date | TPH-8015 | TPH-8021 | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE |
|--------------|----------|----------|----------|---------|---------|--------------|---------|-------------|
| MCL (ppb) | | None | None | 1.0 | 150 | 700 | 1750 | 13 |
| MW-1 | 8/31/99 | 310 | NA | <1.0 | 2.4 | 1 | 1.6 | NA |
| | 11/23/99 | 250 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | 310 | 62 | <1.0 | <1.0 | <1.0 | <20 | 68 7 |
| | 5/17/00 | 390 | 63 | <1.0 | <1.0 | <1.0 | <2.0 | 74 |
| | 8/31/00 | 180 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | 49 |
| | 12/18/00 | 310 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | 44 |
| | 3/21/01 | 240 | <50 | <1.0 | <1.0 | ≤1.0 | <2.0 | 17 |
| MW-2 | 8/31/99 | 180 | NA | <1.0 | <1.0 | <1.0 | 1.2 | NA |
| | 11/23/99 | 120 | NA | <1.0 | <1.0 | <1.0 | < 5.0 | NA |
| | 3/1/00 | 510 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | 81 |
| | 5/17/00 | 1,100 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | 87 |
| | 8/31/00 | 620 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | 65 |
| | 12/19/00 | 830 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | 70 |
| | 3/21/01 | 900 | <50 | <2.0 | <2.0 | <2.0 | <4.0 | 33 |
| MW-3 | 8/31/99 | 2,700 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 11/23/99 | 640 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | <250 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 5/17/00 | 620 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | < 5.0 |
| | 8/31/00 | 1,800 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | < 5.0 |
| | 12/18/00 | NA | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | < 5.0 |
| | 3/21/01 | 1,700 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| MW-4 | 8/31/99 | < 50 | NA | <1.0 | <1.0 | <1.0 | 1.6 | NA |
| | 11/23/99 | < 50 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | <250 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 5/17/00 | 80 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 8/31/00 | <250 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 12/18/00 | <250 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 3/20/01 | <250 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| MW-5 | 8/31/99 | 250 | NA | <1.0 | <1.0 | <1.0 | 1 | NA |
| | 11/23/99 | 300 | NA | <1.0 | <1.0 | <1.0 | <5.0 | NA |
| | 3/1/00 | 340 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | 100 |
| | 5/17/00 | 230 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | 86 |
| | 8/31/00 | 220 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | 59 |
| | 12/18/00 | 360 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | 57 |
| | 3/20/01 | 250 | <50 | ≪5.0 | <5.0 | <5.0 | <10 | 87 |
| MW-6 | 8/31/99 | 140,000 | NA . | 77 | 18 | 31 | 49 | NA |
| | 11/23/99 | 6,100 | NA | 45 | 14 | 6.9 | 48 | NA |
| | 3/1/00 | 22,000 | 2800 | 6.8 | <2.0 | <2.0 | <10 | <5.0 |
| | 5/17/00 | 1,800 | 6200 | 77 | 16 | 39 | 37 | <5.0 |
| | 8/31/00 | 76,000 | 5300 | 60 | 13 | 43 | 45.7 | <5.0 |
| | 12/19/00 | 6,300 | 1300 | 26.0 | 4.9 | 8.4 | 11.5 | <5.0 |
| | 3/21/01 | 5,100 | 1900 | 49.0 | 9.5 | 13 | 12 | <10 |
| MW -7 | 8/31/99 | 1,400 | NA | <1.0 | 2.9 | 2.3 | 2.7 | NA |
| | 11/23/99 | 530 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA -20 |
| | 3/1/00 | 640 | 860 | <1.0 | <1.0 | <1.0 | <2.0 | <20 |
| | 5/17/00 | 430 | 410 | <1.0 | <1.0 | <1.0 | <2.0 | 9.5 |
| | 8/31/00 | 950 | 1100 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 12/18/00 | 1,100 | 820 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 3/20/01 | 770 | 1000 | <1.0 | 1.4 | <1.0 | <2.0 | <5.0 |

TABLE 3
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

| Well | Date | TPH-8015 | TPH-8021 | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE |
|-----------|----------|---------------|----------|---------|---------|--------------|---------|-------|
| MCL (ppb) | | None | None | 1.0 | 150 | 700 | 1750 | 13 |
| MW-8 | 8/31/99 | 230 | NA | <1.0 | <1.0 | 1.2 | <1.0 | NA |
| | 11/23/99 | 220 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | 260 | 150 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 5/17/00 | 660 | 310 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 8/31/00 | 460 | 300 | <1.0 | <1.0 | <1.0 | 1.4 | <5.0 |
| | 12/18/00 | 370 | 230 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| ·6 | 3/20/01 | 1,700 | 64 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| MW-9 | 8/31/99 | 2,800 | NA | <1.0 | <1.0 | <1.0 | 1.1 | NA |
| | 11/23/99 | 1,300 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | 510 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 5/17/00 | 990 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 8/31/00 | 1,100 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | <5.0 |
| | 12/18/00 | 1,900 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | 5.9 |
| 3 | 3/20/01 | 1,500 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | 5.5 |
| M₩-10 | 8/31/99 | 1,10 0 | NA | <1.0 | 1.2 | 2.0 | <1.0 | NA |
| | 11/23/99 | 1,200 | NA | <1.0 | <1.0 | <1.0 | <1.0 | NA |
| | 3/1/00 | 1,300 | 540 | <1.0 | <1.0 | <1.0 | <2.0 | Na12 |
| | 5/17/00 | 990 | 460 | <1.0 | <1.0 | <1.0 | <2.0 | 6.9 |
| | 8/31/00 | 840 | 320 | <1.0 | <1.0 | <1.0 | < 2.0 | 25 |
| | 12/18/00 | 900 | 290 | <1.0 | <1.0 | <1.0 | < 2.0 | < 9.0 |
| * | 3/21/01 | 620 | 220 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| W-1 | 3/2/00 | 1,800 | 3400 | 20.0 | 5.3 | 30 | 23.8 | < 5.0 |
| | 5/17/00 | 1,100 | 7300 . | 35.0 | 11 | 59 | 45 | <1.0 |
| | 8/31/00 | 2,200 | 6200 | 20.0 | 7.9 | 36 | 38.2 | <10 |
| | 12/19/00 | 1,700 | 5600 | 20.0 | 8.4 | 30 | 35.6 | <5.0 |
| | 3/20/01 | 2,100 | 7200 | 32.0 | 13 | 56 | 40 | <10 |
| - W-2 | 5/17/00 | 19,000 | 870 | <2.0 | <1.0 | < 2.0 | <4.0 | < 5.0 |
| | 8/31/00 | 7,400 | 2200 | 4.6 | 2.5 | 3.8 | 11 | < 5.0 |
| | 12/19/00 | 10,000 | 290 | 8.8 | 3.4 | 8.6 | 17.4 | <5.0 |
| W-3 | 5/17/00 | <50 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 8/31/00 | < 50 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 12/18/00 | <250 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 3/20/01 | 630 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| W-4 | 3/2/00 | 190 | <50 | 1.1 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 5/17/00 | 230 | < 50 | <1.0 | <1.0 | <1.0 | <2.0 | < 5.0 |
| | 8/31/00 | 240 | <50 | <1.0 | <1.0 | <1.0 | < 2.0 | <5.0 |
| | 12/19/00 | 320 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |
| | 3/21/01 | 220 | <50 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 |

Notes:

ppb: parts per billion

TPH: Total Petroleum Hydrocarbons
MTBE: methyl tert butylether

MCL: Maximum Contaminant Level

NA: not analyzed

#136 PB2

7.04



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 951 TURNER COURT, SUITE 310, HAYWARD, CA 94949-2461 PRONE (310) 676-2575 ANDREAS GODFREY PAX (SI TAX (519) 670-5262 (510) 678-5248 ALVIN KAN

| DRILLING PERMIT APPLICATION | • |
|------------------------------|---|
| nott ting permit application | |
| DISTRIBUTE OF STREET | _ |

| DRILLING PERMIT A | PPLICATION |
|--|--|
| DEATION OF PROJECT 11 7747 STRUET | PERMIT NUMBER WOL -035 WELL NUMBER APN |
| Alifornia Goordinann Source n. Assumey 2ft. | PERMIT CONDITIONS |
| Alifornia Guardinems JeurezR. CCER. Assumey 2R. | Circled Permit Requirements Apply |
| THENT ACTIONS: + (See Patton) Lame ACTIONS: + (See Patton) Lame ACTIONS Lity Out Land Control 20 74403 LAPTLICANT LAME Dately - Elem Control 20 100 Wright) LAME DATELY - Elem Control 20 100 JA - 100 JA LAME DATELY - Elem Control 20 100 JA - 100 JA | GENERAL 1. A permit application about he submitted so as so univer as the ACPWA office five days prior to proposed starting date. 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Wester Well Drillers Report or equivalent for well project, or drilling logs and location statch for personalized project in void of surect not begun within 90 days of approval date. 3. Permit is void if project not begun within 90 days of approval date. 3. WATER SUPPLY WELLS 1. Minimum surface seel thickness to two techns of |
| Cathodic Protection D General C | comment growt placed by fremie. |
| Water Supply D Commination C Monitoring D Well Destruction | industrial wells or 20 feet for domestic and frigation wells unless a lease dopth is specially approved. |
| PROPOSED WATER SUPPLY WELL USE New Domessis O Replacement Pomessic O Memicipal O Integration O Industrial O Other O DRILLING METHOD: | C. GROUNDWATER MONITORING WELLS ENCLUDING PIEZOMETERS 1) Minimum perfect sent thickness is two inches of econors ground by transle. 2. Minimum qual dapth for manitoring wells in the manitoring wells in the manitoring wells in the |
| Mus Retary C Air Rotary C Auser C | D. GEOTECHNICAL. Sockill bote bole with compacted cuttings or heavy |
| DRILLER'S LICENSE NO. 657 48565 PKD-731-02 WELL PROJECTS Drill Note Diameter Casing Diameter Surface Scal Depth 1. Number 1. Number | between and upper two feet with compacted material. In areas of known ar suspected concentration, named. Carnest great shall be used in place of compacted countings. E. CATHODIC PAI hole above smode zone with concrete placed by transic. F. WELL DESTRUCTION See created. G. SPECIAL CONDITIONS |
| CEOTECHNICAL PROJECTS Number of Borings S Maximum Hole Dismoses m. Depth n. ESTIMATED STARTING DATE SAME 1 2001 | APPROVED 1 MATE 1-10-0 |
| Applicant's Way Wind DATE 0/8/0/ | |

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P.03

Jan-10-01 12:40P Safety*Kleen Consulting 510 337 3994 NOV-24-197 MDN 13:39 10:ALAMEDA CO PUBLIC MK FAX MO:518/678-5262

#136 PB2

USA# 16904



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

151 TURNER COURT, SUITE 300, HAYWARD, CA 140045-3661
PHONE (310) 670-6376 ANDREAS GODFREY FAX (510) 670-5362
(310) 670-6363 ALVIN KAN

DRILLING PERMIT APPLICATION

| L | | | |
|--|--|----------------|--|
| A DEATION OF PROJECT | LICANTTO COMPLETE 177 47 1 64 reed | · | PERMIT NUMBER WO1-036 WELL NUMBER |
| California Coordinante Source | ft. Adourne | r <u>=</u> ft. | PERMIT CONDITIONS |
| CCN | A CCE | <u> </u> | Circled Formit Requirements Apply |
| CLIENT Norm Address 10 626 E. 14 City October APPLICANT Name Safety - Holorom Address 2212 Standard | Consulting (Box) Vix \$10 - 11 Clary Ave those \$10- | (Dazy 61) | A: CBNERAL 1. A permit application should be submitted so as so arrive at the ACPWA office five days prior to proposed starting date. 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Delicer Resource requireless for wall projects, or drilling lags and location photoh for geographical projects. 3. Permit is said if project our begun within 90 days of |
| City Alemade | A Zip 9-190 | - | SPHOWS SEE- |
| TYPE OF PROJECT Well Construction Cathodic Prosection | Geotechnical Investig | pilien · Ci | 1. Minimum gerface east thickness is two inches of |
| Mares Subb ja Calibrate Mortenni | D Contemistation | ō | 2. Minimum mai dopth is 50 feet for municipal and ledustriel wells or 20 feet for domestic and irrigation |
| Monitoring | U Well Destruction | 8 | weeks makens a leasest death is specially approved. |
| PROPOSED WATER SUFF | LY WELL USE | _ | C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS |
| Hew Comestic O | Replacement Domestic | 0 | 1. Minimum surface tent thickness in two inches of |
| Manicipal () Industrial () | Intigation Other | 0 | conjust groot placed by tromic. 2. Minimum seel depth for monitoring wells in the |
| DETALING METHOD | | | medinum dayth precideable or 20 feet. |
| Med Roters 'O | Air Rotery D Aug | er () | (D. GEOTECHNICAL Backfitt bore hale with compacted cuttings or beavy |
| Cable 0 | Other U | | A complete and manner than Cost with professional traderial. |
| DRILLER'S LICENSE NO. | C57 485165 | - exp.1-31-02 | In west of known of suspected contamination, tremted. cament grout shall by used in piace of antiquand cutings. |
| WELL PROJECTS | Gress Dully d' | restre | |
| Drill Hole Diameter | in. Maximum | ٠ ي | E. CATROPEL FILL belo shows enade some with concrete placed by tramic. F. WELL DESTRUCTION |
| Casing Distrector | in. Deptk | _u. | See smacked. |
| Surface Scal Depth | | | C. SPECIAL CONDITIONS |
| GEOTECHNICAL PROJECTION OF THE PROJECT OF THE PROJE | Meximum | n. | |
| estimated starting i Estimated completic | DATE Jan. 22, 2000 DATE Fan. 44, 44 | 001 | APPROVED DATE 1-10-0 |
| I hereby agree to comply with Alameda County Ordinance | ith all requirements of this port : No. 73-48. | nit and | |
| APPLICANT'S | Dright DATE | 1/8/01 | , |

NDU 24 197 14137

ALAMEDA CO PLELIC UK

PAGE. 882

BORING NO. SB-01

Page Lof L

| CLIENT | ACT | | | | | | | | | JOB NUME | 3ER: | 792551 | | |
|---|--|--|-------------------|--------------|--------|--|-----------|----------|----------------------|----------|-------|-----------|---------------------------------------|--------|
| | | | rviii)= | | | | | | LOCATION: 1 | <u> </u> | | | | |
| EXCAVATED BY: Gregg Drilling OPERATOR: Paul | | | | | | | | | METHOD: | | PROBE | <u> </u> | | |
| | DATE START: 1/22/01 DATE COMP: 1/22/01 TIME: | | | | | | | | 1 | | | PTH: 16 F | | |
| <u> </u> | LOGGED BY: Erik Gerking APPROVED BY: | | | | | | | | | DEPTH TO | | | | |
| | | | - | | | ALTROVE. | | | | 1 | | | | SAMPLE |
| COMP | OPT | ₹0 10 10 10 10 10 10 10 10 10 10 10 10 10 | GRAPHIC USCS C | , LUG ODE | ' | | DES | CRIPTI(| UN | | _ | | NUMBER | ANAL. |
| WELL | DPT - | | GRAPHIC | GP CH | 0-1 | -16' Silty Cla moist, high p otal Depth 16 | el (Fill) | SCRIPTIO | ON Olive brown, (2.5 | 5Y5/4), | | | SAMPLE NUMBER SB-1 Soil W | |
| JOB NUMBER: 792551 | 20- | | | | | | | | | | | | | |

SAFETY-KLEEN CONSULTING

Page Lof 1

| CLIENT: | AC | Т | | | | | | JOB NUMB | ER: 7925 | 51 | | | | |
|---|---------------------|-------|----------|----------|--|------------------------|----------------------------|-------------|------------|--------------------|-----------------|--|--|--|
| PROJECT: | Er | mme | ryville | | | | LOCATION: 11 | 77 47th St. | | | | | | |
| EXCAVATED E | 3Y: G | regg | Drilling | | OPERATOR: Paul | | | METHOD: | GEOPROE | E | - | | | |
| DATE START: | DATE START. 1/22/01 | | | | | | | | | TOTAL DEPTH: 12 FT | | | | |
| LOGGED BY: Erik Gerking APPROVED BY: | | | | | | | | DEPTH TO | WATER: | | | | | |
| WELL | DPT | BLOWS | GRAPHIC | | DES | CRIPTIO |)N | | OVM | SAMPLE NUMBER | SAMPLE ANAL. | | | |
| СОМР | | 퓹 | uscs co | DE | - | | | <u> </u> | (PP) | I NOMBER | Anaci | | | |
| | | | | | | | | | | | | | | |
| T 277 | - | 1 | • • | | 0-3.5' Pea Gravel fill | | | | | | | | | |
| | - | | | | | | | | | | | | | |
| | | | | GP | | | | | | | | | | |
| | - | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | |
| | _ | | | | 3.5'-6.5' Silty Clay (0,5,40, | 55), dark | greenish gray, | (5Y4/I) | 64 23.5 | · [| | | | |
| | | | | | high plasticity. | | | | | | | | | |
| el of | 5- | - | | СН | | | | | | | | | | |
| 2" diameter borehole | | 1 | | | | | | | | - | | | | |
| all | | | | \dashv | 6.5'-9.0' Silty clay with san | d (0,20, | 30,50), greenish | gray, | _ | | | | | |
| | _ | 1 | | | (565/I), medium plasticity | | | | | | | | | |
| | | - | | | | | | | | | | | | |
| | | | | | | | | <u>.</u> | | | | | | |
| | | | | CL | 9.0'-12.0' Silty clay, (10,10,3 (5GY4/I), medium plastici | 30,50), d ty, odife | ark greenish gre: rous. | у, | | | 8260 | | | |
| Backill w/ Restraite | 10- | 1 | | | | | | | | SB-2 Soil | 8015 | | | |
| | | 4 | | | | | | | | 6 8, collect | | | | |
| | | | | | | | | | | | | | | |
| 1 | | 1 | | | Total Depth 12 Feet | | | | ļ | ļ | ! | | | |
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| | | | | | | | | | | | | | | |
| JOB NUMBER: 7925 | 20 | _ | | | | | | | | | | | | |

Page 1 of 1

| CONSOL LINO | | | | | | 100 1000 | ED, ZOGEE | | |
|--|-----------|-----------------------------|---|---------------------------------|---|-----------|-----------|---------------------------------------|--------------|
| CLIENT: ACT | | | | | | | ER: 79255 | · · · · · · · · · · · · · · · · · · · | |
| | eryville | | | | LOCATION: 1 | | | | |
| EXCAVATED BY: Gregg | Drilling | | OPERATOR: Paul | l _= = | | METHOU: | GEOPROBE | PTH: 18 F | |
| DATE START: 1/22/01 | | DATE CO | MP: 1/22/01 | TIME: | | 050711 75 | | | <u>'</u> |
| LOGGED BY: Erik Gerkir | | | APPROVED BY: | | | DEPTH TO | OVM | SAMPLE | SAMPLE |
| r meer lurtio | GRAPHIC I | | DES | CRIPTI | NC | | | NUMBER | ANAL. |
| COMP Societific to the state of the state o | | GP 4. CH 8 8 9 SM 11 CH 11 | '-5.0' Pea Gravel (fill), 50 '0'-8.0' Silty Clay (0,10,40) high plasticity, moist. 1.0'-9.0' Silty sand, (15,30) (574/2), low plasticity, s 1.0'-11.0' Silty sand (15,45, plasticity, dry. 1.0'-11.5' Silty gravel with s polychroma, saturated. 1.5'-12.0' Silty clay (0,10,4) high plasticity, odiferous Total Depth 16 Feet | ,23,22), cosaturated, 20,20) ol | y dark greyish b live grey, i. ive grey (5G5/2 |), low | 5 @ 12' | SB-3 Soil collect 8 11.5" | 8260 8015 |

BORING NO. SB-04

Page 1 of 1

JOB NUMBER: 792551 CLIENT: ACT LOCATION: 1177 47th St. PROJECT: Emmeryville METHOD: GEOPROBE EXCAVATED BY: Gregg Orilling OPERATOR: Paul TIME: TOTAL DEPTH: 16 FT DATE COMP: 1/22/01 DATE START: 1/22/01 DEPTH TO WATER: 6 APPROVED BY: LOGGED BY: Erik Gerking SAMPLE SAMPLE BLOWS OVM GRAPHIC LOG WELL DESCRIPTION DPT ANAL. (ppm) NUMBER USCS CODE COMP 0-4" Concrete 0-11.5' Pea gravel fill. GP 11.5'-12.0' Silty clay, (10,10,30,50), dark greenish grey, CL SB-4 8260 (5G4/I), medium plasticity, moist. Soil 8015 Collect 12.0'~16.0' No recovery. @ 11.5" 15-Total Depth 16 Feet 20-IOB NUMBER: 792551

ENVIRONMENTAL DECISION GROUP, INC.

SOIL BORING/WELL LOG

BORING NO. SB-5

Page 1 of 1

| CLIENT: | AC | TR | ANSIT | | | - | | 109 NANB | ER: 79248 | 9 | |
|-------------------|-------------------|-------|--------------------|-------|--|--|---|--------------------|------------|------------------|-----------------|
| PROJECT | : U | ST : | INVES | TIGAT | ION | | LOCATION: 11 | OO SEMINAF | RY AVE., O | KLAND, CA | |
| EXCAVATED | BY: K | VILH | AUG DRIL | LING | OPERATOR: DON E | EVANS | | METHOD: | GEOPROBE | MACROCOF | Æ |
| DATE START | : 1-8- | 99 | | DATE | COMP: 1-8-99 | REF. | L: FT | | TOTAL DE | PTH: 17 F | 7 |
| LOGGED BY: | BRAD | WRIC | НТ | | APPROVED BY: BF | RAD WRIGH | T | DEPTH TO | WATER: 0 | RY HOLE | |
| WELL | ОРТ | BLOWS | GRAPHIC USCS CO | | C | ESCRIPTIO | ON | | (ppm) | SAMPLE NUMBER | SAMPLE ANAL. |
| | - - - 5- | | | :L/CH | Concrete 12-inches 0-8° Silty Clay; (0,20,40 moist 6-7.5° Sandy Clay; (0,40 | | | | 0.0 | | |
| 2" da borehole | - 10- | | | SC CL | 7.5-9' Clayey Sand; (10, fine sand to fine gravet; 9-11' Sandy Clay; (0,40,3 soft; moist @ 10' stiff; slightly moist | to coarse (50,20,20); d subrounded: | grained sand; moi ark yellowish brod loose; moist | st wn (10YR 4/4 | 0.0 | Soli 7-7.5 | 8015 8020 |
| | - | | | | After 2.5 hours no water Discrete water sampler p No water was encountere | robe was dr | iven to 17 feet. | | 0.0 | | |
| | 15— | | | | | | | | | | |
| 108 NUNBER: 79248 | 20- | | | | · | | | | | | |

Page Lof L

| CLIENT: ACT | · · · · · · · · · · · · · · · · · · · | | | | | JOB NUMB | ER: | 792551 | | ļ |
|--|---------------------------------------|--|---|--|---|---|----------|--------|-----------|--------------|
| | ruilla | _ . | | | LOCATION: 11 | 77 47th St. | | | | |
| | ryville | | OPERATOR: Paul | | | METHOD: | | PROBE | | |
| EXCAVATED BY: Gregg | ormany | DATE CO | MP: 1/23/01 | TIME: | | | | | PTH: 29 F | ·T |
| DATE START: 1/23/01 | | DATE CO | APPROVED BY: | | | DEPTH TO | <u> </u> | | | |
| LOGGED BY: Erik Gerkin | | . 60 | <u></u> | | | | _ T | OVM | SAMPLE | SAMPLE |
| WELL DPT SMO | GRAPHIC I USCS CO | | DES | CRIPTI | UN | | | | NUMBER | ANAL. |
| 18 Secritify of Particular Partic | | GP 2.5 CL SM 5.6 CH 5. SM 13 CH 13 ML 2 ML 2 | -6" Concrete -2.5' Pea Gravel 5'-5.0' Silty clay with sand low plasticity. 0'-5.5' Silty sand with gralew plasticity, dry, moist. 5'-8.0' Silty clay (0,10,40 high plasticity, odiferous. 0'-13.0' Silty sand with graderk yellowish brown, (10' dark yellowish brown, (10' dark yellowish brown, (10' high plasticity. 3.25'-13.75' Silty sand with dry, low plasticity, dry. 3.75'-18.0' Silty clay (0,10 high plasticity. 8.0'-21.0' Silt with sand (0' yellow, (5YR6/8). | vel (25, ,50), dar avel (25, ,40,50), gravel ,40,50), , odifero (0,20,60 | 40,25,10), polychr k-greenish gray, (40,25,10), ow plasticity, sat olive, (2.5Y4/4), (20,60,20,0), olivi dark olive, (5Y3/ 0), reddish | oma, (5GY4/I) urated. e, (5Y4/4) | | 1.6 | SB-6 W | 8260 8015 |

BORING NO. SB-07

Page 1 of 1

| OUTENT: ACT | | | | JOB NUMBER: | 792551 | | |
|--|----------------|--|---|----------------------|--------------|--------------------------------|--------------|
| CLIENT: ACT | ille | | LOCATION: | 1177 47th St. | | | |
| PROJECT: Emmery | | OPERATOR: Paul | | METHOD: GEO | PROBE | | |
| EXCAVATED BY: Gregg Dri | | ATE COMP: 1/22/01 | TIME: | | | PTH: 20 F | Т |
| DATE START: 1/22/01 | UA | APPROVED BY: | , girlan | DEPTH TO WA | | | |
| LOGGED BY: | | | | | OVM | SAMPLE | SAMPLE |
| | RAPHIC LOG | DES | CRIPTION | | | NUMBER | ANAL. |
| 15 - 15 - 20 - 25 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3 | CH/CL CH SC CH | 3.0'-7.5' Silty clay, (0,15,45, high plasticity. 7.5'-8.0' Clayey sand with s (564/1), medium low plasticity. 8.0'-12.0' Silty clay (0,5,25, high plasticity | .40), dark yellowish bro lit, (0,50,20,25), dark g city, odiferous saturate | reenish grey, ed. | 17.1 9 6° | SB-7 W Collect @ 7.5' | 8260 8015 |

BORING NO. SB-08

Page I of I

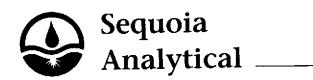
| CLIENT: A | ACT | | | | | | | JOB NUMB | ER: | 792551 | | |
|--|-------|----------|-------------|------------------|---|--|--|-------------------------------|------|---------|---------------------------------|--------------|
| PROJECT: | | eryville | <u> </u> | | | | LOCATION: 11 | 77 47th St. | | | | |
| EXCAVATED BY | | | | - | OPERATOR: Paul | | | METHOD: | GEO | PROBE | | |
| DATE START: | | · | D | ATE COI | MP: 1/23/01 | TIME: | | | TO | TAL DE | PTH: 25 F | т |
| LOGGED BY: Er | | | | | APPROVED BY: | | | DEPTH TO |) WA | TER: 10 |) | |
| | | | C LOG | | | CRIPTI | ON. | I | | OVM | SAMPLE | SAMPLE |
| COMP | IPT E | uscs | | | UE3 | JORII 11 | | <u> </u> | _ | (ppm) | NUMBER | ANAL. |
| TOMP Sockfill W. Bentonite Packfill W. Bentonite | 5 | | CM CH SC CH | 7.4 11. 12 | e" Concrete 5'-7.0' Silty clay with san (10YR3/6) high plasticity. 0'-11.0' Silty clay (0,15,45 high plasticity, saturated 0'-11.5' Sandy clay (0,15, (10YR4/6), medium plasticity 2.5'-23.0' Silty clay (0,10,4 high plasticity, moist. 23.0'-25.0' Silty sand (0,4 moderate low plasticity, Total Depth 25 Feet | 35,25,25) city. 0,50), da, very mo | owish brown, (10°), dark yellowish brok greenish grey ist. lack, (2.5YR2.5/0 | YR5/4) Drown, , (5GY4/1), D) | | 4 9 12' | SB-8 W Collect © 11.5' | 8260 8015 |

SAFETY-KLEEN CONSULTING

SOIL BORING/WELL LOG

Page Loft

| CONSOL | 1 11 | | | | | | | | | | |
|----------------------|--------|-------------|--------------------|-------------|---|--------------|------------------|--------------|-------------|----------------|-----------------|
| CLIENT: | AC | Γ | | | | | | JOB NUMB | | 551 ———— | |
| PROJECT: | | | ryville | | | | LOCATION: 11 | | | | |
| EXCAVATED | BY: G | regg | Drilling | · · · · · · | OPERATOR: Paul | | | METHOD: | | | |
| DATE START: | 1/22 | /01 | | DATE C | OMP: 1/22/01 | TIME: | | | <u> </u> | DEPTH: 14 | FT |
| LOGGED BY: | Erik G | | 9 | | APPROVED BY: | | | DEPTH TO | | | |
| WELL COMP | DPT | BLOWS | GRAPHIC USCS CO | | DE | SCRIPTI | DN | | OVI (ppi | SAMPLE NUMBER | SAMPLE ANAL. |
| | | ā | 1 | | | | | <u> </u> | - | | |
| | _ | | | ĺ | -4" Middle of Pad Concrete Surface | | | | | | |
| | _ | | | C | 1–14.0' Pea Gravel (fill) | | | | | | |
| | - | | | | | | | | | | |
| | - | | | | | | | | | | |
| | - | | | | | | | | | | |
| | 5— | | | | | | | | | | |
| onehole | - | - | | | | | | | | | |
| 2" diameter borehole | - | | | | | | | | | | |
| | - | 1 | | | | | | | | | |
| - I de la company | ¥ - | 1 | | | | | | | | | |
| Backill of Bertantie | 10- | - | | | | | | | | | |
| | - | | | | | | | | | | |
| | - | | | | | | | | | | |
| | - | | | | | | | | | | |
| | - | | | | 214' Geoprobe Stopped by tank floor. | concret | e pad, bottom of | pre-existing | J | | |
| | 15- | 1 | | | Total Depth 14 Feet | | | | | | |
| | | 1 | | | | | | | | | |
| | - | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| JOB NUMBER: 79255 | 20- | - | | | | | | | | | |



13 February, 2001

Brad Wright Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda, CA 94501

RE: No Project Sequoia Report: W101564

Enclosed are the results of analyses for samples received by the laboratory on 24-Jan-01 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma Project Manager

CA ELAP Certificate #1271



404 N. Wiget Lane Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

ANALYTICAL REPORT FOR SAMPLES

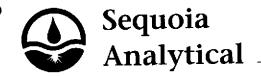
| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------|--------------------|--------|-----------------|-----------------|
| SB-1 15 1/2-16 1/2 | W101564-01 | Soil | 22-Jan-01 09:15 | 24-Jan-01 14:00 |
| SB-1 | W101564-02 | Water | 22-Jan-01 09:15 | 24-Jan-01 14:00 |
| SB-7 | W101564-03 | Water | 22-Jan-01 11:00 | 24-Jan-01 14:00 |
| SB-2 9'-10' | W101564-04 | Soil | 22-Jan-01 12:00 | 24-Jan-01 14:00 |
| SB-3 11'-12' | W101564-05 | Soil | 22-Jan-01 13:15 | 24-Jan-01 14:00 |
| SB-4 11'-12' | W101564-06 | Soil | 22-Jan-01 13:50 | 24-Jan-01 14:00 |
| SB-8 | W101564-07 | Water | 23-Jan-01 10:20 | 24-Jan-01 14:00 |
| Trip Blank | W101564-08 | Water | 23-Jan-01 10:15 | 24-Jan-01 14:00 |
| SB-6 | W 101564-09 | Water | 23-Jan-01 11:40 | 24-Jan-01 14:00 |
| SB-5 | W 101564-10 | Water | 23-Jan-01 11:00 | 24-Jan-01 14:00 |

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dimple Sharma, Project Manager





Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Total Purgeable Hydrocarbons by DHS LUFT Sequoia Analytical - Walnut Creek

| - | - <u> </u> | | | | | |
|--------------------|---|---|--|---|--|---|
| Reporting Limit | Units Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Jan-01 09:15 | Received: 24-Jan- | 01 14:00 | - | | | P-03 |
| 25 | mg/kg 500 | 1A30015 | 30-Jan-01 | 05-Feb-01 | EPA 8015M | |
| % | 40-140 | n | " | " | n . | S-0. |
| :15 Received: | 24-Jan-01 14:00 | | | | | P-03 |
| 50 | ug/l l | 1B02001 | 02-Feb-01 | 02-Feb-01 | EPA 8015M | |
| 98.3 % | 70-130 | " | " | 'n | n . | |
| :00 Received: | 24-Jan-01 14:00 | | | | | P-03 |
| 10000 | ug/l 200 | 1B02001 | 02-Feb-01 | 02-Feb-01 | EPA 8015M | |
| 100 % | 70-130 | " | " | į, | ri . | |
| 12:00 Receiv | ved: 24-Jan-01 14:0 | 00 | | | | P-0 |
| 100 | mg/kg 2000 | 1A30015 | 30-Jan-01 | 03-Feb-01 | EPA 8015M | |
| % | 40-140 | " | " | n | " | S-0. |
|)1 13:15 Rece | ived: 24-Jan-01 14 | :00 | | | | P-03 |
| 500 | mg/kg 10000 | | 30-Jan-01 | 05-Feb-01 | EPA 8015M | |
| % | 40-140 | | " | н | n | S-02 |
|)1 13:50 Rece | eived: 24-Jan-01 14 | :00 | | | | |
| 1.0 | mg/kg 20 | 1A30015 | 30-Jan-01 | 02-Feb-01 | EPA 8015M | |
| 99.7% | 40-140 | " | п | " | " | |
| ·20 Received | : 24-Jan-01 14:00 | | | | | P-03 |
| | | | | | | |
| 50 | ug/l 1 | 1B02001 | 02-Feb-01 | 02-Feb-01 | EPA 8015M | |
| | Limit Jan-01 09:15 25 % 15 Received: 50 98.3 % 1000 Received: 10000 100 % 12:00 Received: 100 96 113:15 Received: 500 % 01 13:50 Received: 1.0 99.7 % | Limit Units Dilution Jan-01 09:15 Received: 24-Jan- 25 mg/kg 500 % 40-140 15 Received: 24-Jan-01 14:00 50 ug/l l 98.3 % 70-130 10000 ug/l 200 1000 Received: 24-Jan-01 14:00 1000 mg/kg 2000 % 40-140 01 13:50 Received: 24-Jan-01 14 1.0 mg/kg 20 10000 % 40-140 01 13:50 Received: 24-Jan-01 14 1.0 mg/kg 20 | Limit Units Dilution Batch Jan-01 09:15 Received: 24-Jan-01 14:00 25 mg/kg 500 1A30015 % 40-140 " 15 Received: 24-Jan-01 14:00 50 ug/l 1 1B02001 98.3 % 70-130 " 100 Received: 24-Jan-01 14:00 10000 ug/l 200 1B02001 100 % 70-130 " 12:00 Received: 24-Jan-01 14:00 100 mg/kg 2000 1A30015 % 40-140 " 01 13:15 Received: 24-Jan-01 14:00 500 mg/kg 10000 1A30015 % 40-140 " 01 13:50 Received: 24-Jan-01 14:00 1.0 mg/kg 20 1A30015 99.7 % 40-140 " | Limit Units Dilution Batch Prepared | Limit Units Dilution Batch Prepared Analyzed | Limit Units Dilution Batch Prepared Analyzed Method |



404 N. Wiget Lane Wainut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequolalabs.com

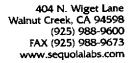
Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Total Purgeable Hydrocarbons by DHS LUFT Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------------------------|--------------------|---------|----------|---------|-----------|-----------|-----------|-------|
| SB-6 (W101564-09) Water | Sampled: 23-Jan-01 11:40 | Received: | 24-Jan- | 01 14:00 | | | | | P-03 |
| Purgeable Hydrocarbons | 3600 | 500 | ug/l | 10 | 1B05001 | 05-Feb-01 | 05-Feb-01 | EPA 8015M | |
| Surrogate: a,a,a-Trifluorotol | uene | 84.7% | 70- | 130 | р | " | " | " | |
| SB-5 (W101564-10) Water | Sampled: 23-Jan-01 11:00 | Received: | 24-Jan- | 01 14:00 | | | | <u></u> | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | 1 | 1B02001 | 02-Feb-01 | 02-Feb-01 | EPA 8015M | |
| Surrogate: a,a,a-Trifluorotol | uene | 102 % | 70- | -130 | " | " | " | " | |





Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Custom Extractable Hydrocarbons by DHS LUFT Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|---------------------|--------------------|-----------|-------------|---------|-----------|-----------|----------|-------|
| SB-1 15 1/2-16 1/2 (W101564-01) Soi | l Sampled: 22-Ja | n-01 09:15 | Receive | d: 24-Jan-(| 14:00 | | | | |
| Stoddard Solvent (C9-C13) | ND | 1.0 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | |
| Surrogate: n-Pentacosane | | 64.1 % | 50- | 150 | " | " | " | " | |
| SB-1 (W101564-02) Water Sample | d: 22-Jan-01 09:15 | Received: | 24-Jan-(| 14:00 | | | | | |
| Stoddard Solvent (C9-C13) | ND | 0.056 | ug/l | 1 | 1B05012 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | |
| Surrogate: n-Pentacosane | | 154 % | 50- | 150 | " | " | " | " | S-04 |
| SB-2 9'-10' (W101564-04) Soil Sam | npled: 22-Jan-01 12 | :00 Receiv | ved: 24-J | an-01 14:00 | 0 | | | | |
| Stoddard Solvent (C9-C13) | 4.1 | 1.0 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 08-Feb-01 | DHS LUFT | D-21 |
| Surrogate: n-Pentacosane | | 91.0 % | 50- | 150 | " | " | " | " | |
| SB-3 11'-12' (W101564-05) Soil Sa | mpled: 22-Jan-01 1 | 3:15 Rece | ived: 24- | Jan-01 14: | 00 | | | | |
| Stoddard Solvent (C9-C13) | ND | 1.0 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 08-Feb-01 | DHS LUFT | |
| Surrogate: n-Pentacosane | | 103 % | 50- | 150 | " | tt. | ,, | " | |
| SB-4 11'-12' (W101564-06) Soil Sa | mpled: 22-Jan-01 1 | 3:50 Rece | ived: 24- | Jan-01 14: | 00 _ | | | | |
| Stoddard Solvent (C9-C13) | ND | 1.0 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | |
| Surrogate: n-Pentacosane | | 91.9 % | 50- | 150 | " | . " | " | . " | |



Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT Project Manager: Brad Wright **Reported**: 13-Feb-01 12:57

Hydrocarbons as Motor Oil by DHS LUFT Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------|--------------------|--------------------|------------|-------------|----------|-----------|-----------|----------|--------------|
| SB-1 15 1/2-16 1/2 (W101564-01) Soil | Sampled: 22-Jan | n-01 09:15 | Received | l: 24-Jan-(| 11 14:00 | | | | |
| Motor Oil (C16-C36) | ND | 10 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | |
| Diesel Range Hydrocarbons | ND | 1.0 | ** | ** | 11 | 11 | ** | ** | |
| Surrogate: n-Pentacosane | | 64.1 % | 50- | 150 | " | " | " | " | |
| SB-1 (W101564-02) Water Sampled | l: 22-Jan-01 09:15 | Received: | 24-Jan-0 | 1 14:00 | | | | <u></u> | |
| Motor Oil (C16-C36) | 280 | 280 | ug/l | 1 | 1B05012 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | D- 1 |
| Diesel Range Hydrocarbons | 260 | 56 | ш | н | ** | 11 | | " | D- 17 |
| Surrogate: n-Pentacosane | | 154 % | 50- | 150 | " | " | " | " | S-0- |
| SB-7 (W101564-03) Water Sampled | l: 22-Jan-01 11:00 | Received | 24-Jan-0 | 1 14:00 | | | | | . <u> </u> |
| Motor Oil (C16-C36) | 450000 | 130000 | ug/l | 100 | 1B05012 | 05-Feb-01 | 07-Feb-01 | DHS LUFT | D-0 |
| Diesel Range Hydrocarbons | 2400000 | 25000 | *1 |)) | " | 11 | | " | D-1 |
| Surrogate: n-Pentacosane | | 51100 % | 50- | 150 | " | n | " | " | S-0 |
| SB-2 9'-10' (W101564-04) Soil Sam | pled: 22-Jan-01 12 | :00 Recei | ved: 24-J: | an-01 14:0 | 0 | | | | |
| Motor Oil (C16-C36) | ND | 10 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 08-Feb-01 | DHS LUFT | |
| Diesel Range Hydrocarbons | 6.4 | 1.0 | ** | | ** | ** | " | n | D-1 |
| Surrogate: n-Pentacosane | | 91.0 % | 50- | 150 | " | n | n | ,, | |
| SB-3 11'-12' (W101564-05) Soil San | npled: 22-Jan-01 | 3:15 Rece | eived: 24- | Jan-01 14: | 00 | | | | |
| Motor Oil (C16-C36) | ND | 10 | mg/kg | 1 | 1B05013 | 05-Feb-01 | 08-Feb-01 | DHS LUFT | |
| Diesel Range Hydrocarbons | 2.1 | 1.0 | н | ** | 77 | " | ** | | D-1 |
| Surrogate: n-Pentacosane | | 103 % | 50- | 150 | ,, | " | " | " | |
| SB-4 11'-12' (W101564-06) Soil San | mpled: 22-Jan-01 | 13:50 Rec | eived: 24- | Jan-01 14: | 00 | | | | |
| Motor Oil (C16-C36) | ND | 10 | mg/kg | 1 | 1B05013 | | 06-Feb-01 | DHS LUFT | |
| Diesel Range Hydrocarbons | ND | 1.0 | ** | ** | " | | | | |
| Surrogate: n-Pentacosane | | 91.9% | 50- | -150 | " | " | " | " | |



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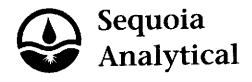
Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Hydrocarbons as Motor Oil by DHS LUFT Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------------------|--------------------|----------|----------|---------|-----------|-----------|----------|-------|
| SB-8 (W101564-07) Water | Sampled: 23-Jan-01 10:20 | Received: | 24-Jan-(| 14:00 | | | | | , , |
| Motor Oil (C16-C36) | ND | 310 | ug/l | l | 1B05012 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | |
| Diesel Range Hydrocarbons | 160 | 63 | " | ** | ** | II | H | ** | D-13 |
| Surrogate: n-Pentacosane | | 77.2 % | 50- | 150 | " | " | " | " | |
| SB-6 (W101564-09) Water | Sampled: 23-Jan-01 11:40 | Received: | 24-Jan-6 | 01 14:00 | | | | | |
| Motor Oil (C16-C36) | 1700 | 360 | ug/l | 1 | 1B05012 | 05-Feb-01 | 06-Feb-01 | DHS LUFT | D-14 |
| Diesel Range Hydrocarbons | 8600 | 71 | " | 11 | 11 | H | H | " | D-16 |
| Surrogate: n-Pentacosane | | 68.1 % | 50- | 150 | ** | " | " | rr . | |



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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Glycols by NIOSH Method 5500 (modified)

Sequoia Analytical - Walnut Creek

| Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|---|--|--|---|---|---|--|--|
| Soil Sampled: 22-Ja | n-01 09:15 | Receive | d: 24-Jan-(| 01 14:00 | | | <u>.</u> | |
| ND | 10 | mg/kg | 1 | 1A30020 | 30-Jan-01 | 30-Jan-01 | NIOSH 5500 | |
| led: 22-Jan-01 09:15 | Received: | 24-Jan- | 01 14:00 | | | | | |
| 18 | 10 | mg/l | ì | 1A29019 | 30-Jan-01 | 30-Jan-01 | NIOSH 5500 | |
| ampled: 22 -J an-01 12 | 2:00 Receiv | ved: 24-J | an-01 14:00 | 0 | | | • | |
| 12 | 10 | mg/kg | 1 | 1A30020 | 30-Jan-01 | 30-Jan-01 | NIOSH 5500 | |
| Sampled: 22-Jan-01 | 13:15 Rece | ived: 24- | Jan-01 14: | 00 | | | | |
| ND | 10 | mg/kg | 1 | 1A30020 | 30-Jan-01 | 30-Jan-01 | NIOSH 5500 | |
| Sampled: 22-Jan-01 1 | 13:50 Rece | ived: 24- | Jan-01_14: | 00 | | | | |
| ND | 10 | mg/kg | 1 | 1A30020 | 30-Jan-01 | 30-Jan-01 | NIOSH 5500 | |
| | Soil Sampled: 22-Ja ND Sled: 22-Jan-01 09:15 18 sampled: 22-Jan-01 12 12 Sampled: 22-Jan-01 12 ND Sampled: 22-Jan-01 12 | Soil Sampled: 22-Jan-01 09:15 ND 10 sled: 22-Jan-01 09:15 Received: 18 10 Received: 12 12 10 Sampled: 22-Jan-01 13:15 Received: 12 ND 10 Sampled: 22-Jan-01 13:50 Received: 12 | Result Limit Units Sampled: 22-Jan-01 09:15 Receiver ND | Result Limit Units Dilution Sampled: 22-Jan-01 09:15 Received: 24-Jan-01 10 ND | Result Limit Units Dilution Batch Soil Sampled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 ND 10 mg/kg 1 1A30020 sled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 1A29019 ampled: 22-Jan-01 12:00 Received: 24-Jan-01 14:00 1 1A30020 Sampled: 22-Jan-01 13:15 Received: 24-Jan-01 14:00 ND 10 mg/kg 1 1A30020 Sampled: 22-Jan-01 13:50 Received: 24-Jan-01 14:00 1A30020 | Result Limit Units Dilution Batch Prepared Soil Sampled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 A30020 30-Jan-01 Soled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 A29019 30-Jan-01 ampled: 22-Jan-01 12:00 Received: 24-Jan-01 14:00 1 A30020 30-Jan-01 Sampled: 22-Jan-01 13:15 Received: 24-Jan-01 14:00 1 A30020 30-Jan-01 Sampled: 22-Jan-01 13:50 Received: 24-Jan-01 14:00 | Result Limit Units Dilution Batch Prepared Analyzed Soil Sampled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 1A30020 30-Jan-01 30-Jan-01 30-Jan-01 Soled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 1A29019 30-Jan-01 30-Jan-01 30-Jan-01 ampled: 22-Jan-01 12:00 Received: 24-Jan-01 14:00 30-Jan-01 30-Jan-01 Sampled: 22-Jan-01 13:15 Received: 24-Jan-01 14:00 ND 10 mg/kg 1 1A30020 30-Jan-01 30-Jan-01 Sampled: 22-Jan-01 13:50 Received: 24-Jan-01 14:00 | Result Limit Units Dilution Batch Prepared Analyzed Method Soil Sampled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 1 1A30020 30-Jan-01 30-Jan-01 NIOSH 5500 Soled: 22-Jan-01 09:15 Received: 24-Jan-01 14:00 30-Jan-01 30-Jan-01 NIOSH 5500 Sampled: 22-Jan-01 12:00 Received: 24-Jan-01 14:00 30-Jan-01 30-Jan-01 NIOSH 5500 Sampled: 22-Jan-01 13:15 Received: 24-Jan-01 14:00 ND 10 mg/kg 1 1A30020 30-Jan-01 30-Jan-01 NIOSH 5500 Sampled: 22-Jan-01 13:50 Received: 24-Jan-01 14:00 30-Jan-01 NIOSH 5500 NIOSH 5500 |

404 N. Wiget Lane Wainut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--------------------------------------|--------------|--------------------|---------|-------------|---------|-----------|-----------|-----------|------|
| SB-1 15 1/2-16 1/2 (W101564-01) Soil | Sampled: 22- | Jan-01 09:15 | Receive | d: 24-Jan-(| 14:00 | | · | | |
| Dichlorodifluoromethane | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 0.10 | " | ** | ** | 11 | " | " | |
| Vinyl chloride | ND | 0.10 | н | ef | ** | II . | 11 | ** | |
| Bromomethane | ND | 0.10 | " | 11 | Ħ | u | 11 | " | |
| Chloroethane | ND | 0.10 | 11 | ** | ** | u u | n | " | |
| Trichlorofluoromethane | ND | 0.10 | ** | ** | # | ** | II | " | |
| 1,1-Dichloroethene | ND | 0.10 | " | 11 | II | И | ** | | |
| Methylene chloride | ND | 0.50 | U | п | II . | ** | ** | II | |
| Methyl tert-butyl ether | ND | 0.10 | u | u | н | n | ** | II | |
| trans-1,2-Dichloroethene | ND | 0.10 | " | | ** | IJ | H | п | |
| 1,1-Dichloroethane | ND | 0.10 | " | 11 | *1 | II | ** | ** | |
| 2,2-Dichloropropane | ND | 0.10 | ŧı | ** | •• | " | 11 | 11 | |
| cis-1,2-Dichloroethene | ND | 0.10 | | *1 | ** | ** | II | er . | |
| 2-Butanone | ND | 0.50 | II . | 11 | п | # | tt | ** | |
| Bromochloromethane | ND | 0.10 | " | 11 | n | ** | ** | n | |
| Chloroform | ND | 0.10 | u | н | H | " | " | II . | |
| 1,1,1-Trichloroethane | ND | 0.10 | ** | ** | 71 | 11 | н | u | |
| Carbon tetrachloride | ND | 0.10 | " | ш | tt | II | • | ** | |
| 1,1-Dichloropropene | ND | 0.10 | ** | ** | ** | н | 11 | " | |
| Benzene | ND | 0.10 | " | *11 | 17 | ** | II | rt . | |
| 1,2-Dichloroethane | ND | 0.10 | II | II | 11 | " | " | " | |
| Trichloroethene | ND | 0.10 | μ | 11 | II . | Ħ | ** | п | |
| 1,2-Dichloropropane | ND | 0.10 | ** | ** | ** | " | ** | II. | |
| Dibromomethane | ND | 0.10 | ** | ** | ** | 11 | π | It | |
| Bromodichloromethane | ND | 0.10 | 11 | Ħ | н | II | ** | " | |
| cis-1,3-Dichloropropene | ND | 0.10 | | " | ** | u | 11 | 11 | |
| Toluene | ND | 0.10 | 11 | н | 11 | ** | 11 | ** | |
| trans-1,3-Dichloropropene | ND | 0.10 | | ш | п | " | n n | " | |
| 1,1,2-Trichloroethane | ND | 0.10 | | u u | 11 | ** | ** | n | |
| Tetrachloroethene | ND | 0.10 | | ** | •• | *1 | 11 | n . | |
| 1,3-Dichloropropane | ND | 0.10 | | ** | n | ш | ** | ** | |
| Dibromochloromethane | ND | 0.10 | | | • | п | 11 | и . | |
| 1,2-Dibromoethane | ND | 0.10 | | ** | ** | ** | U | " | |
| Chlorobenzene | ND | 0.10 | | п | п | 77 | ш | # | |
| Ethylbenzene | ND | 0.10 | | п | н | ** | ** | и | |
| Total Xylenes | ND | 0.10 | | | •• | " | н | u | |
| 1,1,1,2-Tetrachloroethane | ND | 0.10 | | *1 | н | u | ** | " | |
| Styrene | ND | 0.10 | | | ** | u | . н | н | |

Sequoia Analytical - Walnut Creek





Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------|----------------|--------------------|---------|------------|---------|---------------|-----------|-----------|-------|
| SB-1 15 1/2-16 1/2 (W101564-01) Soil | Sampled: 22-Ja | n-01 09:15 | Receive | d: 24-Jan- | 114:00 | - | | | |
| Bromoform | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | ND | 0.10 | ** | 11 | Ħ | II | ** | * | |
| 1,1,2,2-Tetrachloroethane | ND | 0.10 | н | ** | ** | " | II . | 11 | |
| Bromobenzene | ND | 0.10 | ** | 17 | II . | ** | ii | " | |
| n-Propylbenzene | ND | 0.10 | н | II . | " | " | н | II | |
| 1,2,3-Trichloropropane | ND | 0.10 | ıı | u | rt | II . | " | u u | |
| 2-Chlorotoluene | ND | 0.10 | II. | R | 11 | IJ | " | н | |
| 1,3,5-Trimethylbenzene | ND | 0.10 | " | 71 | н | П | ** | ** | |
| 4-Chlorotoluene | ND | 0.10 | ** | * | 14 | • | II | н | |
| tert-Butylbenzene | ND | 0.10 | ** | ** | IJ | 11 | II | •• | |
| 1,2,4-Trimethylbenzene | ND | 0.10 | U | II | п | * | H | " | |
| sec-Butylbenzene | ND | 0.10 | " | u | Ħ | 11 | " | II . | |
| p-Isopropyltoluene | ND | 0.10 | ** | ** | ** | II . | н | u | |
| 1,3-Dichlorobenzene | ND | 0.10 | ** | ** | 11 | II . | " | ** | |
| 1,4-Dichlorobenzene | ND | 0.10 | " | ** | ** | " | II . | 11 | |
| n-Butylbenzene | ND | 0.10 | ** | " | 11 | • | П | ** | |
| 1,2-Dichlorobenzene | ND | 0.10 | II . | п | п | н | н | ** | |
| 1,2-Dibromo-3-chloropropane | ND | 0.10 | u | III | H | 11 | * | U | |
| 1,2,4-Trichlorobenzene | ND | 0.10 | ** | | ** | 17 | ** | п | |
| Naphthalene | ND | 0.50 | 11 | 11 | ττ | II | ** | Ħ | |
| Hexachlorobutadiene | ND | 0.10 | * | " | ** | u | ** | " | |
| 1,2,3-Trichlorobenzene | ND | 0.10 | н | 41 | n | " | " | ** | |
| Surrogate: Dibromofluoromethane | | 102 % | 50 | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | | -150 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | | -150 | " | n | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.0 % | | -150 | " | rr . | n | " | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------------|-------------------------|--------------------|----------|----------|---------|-----------|-------------|-----------|------|
| SB-1 (W101564-02) Water Sa | ampled: 22-Jan-01 09:15 | Received: | 24-Jan-0 | 1 14:00 | | | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | н | ** | ** | II . | ** | п | |
| Vinyl chloride | ND | 2.0 | ** | ** | " | II | ** | ** | |
| Bromomethane | ND | 5.0 | ** | ** | 11 | п | " | ** | |
| Chloroethane | ND | 2.0 | " | н | ** | u | 11 | 11 | |
| Trichlorofluoromethane | ND | 2.0 | Ħ | ** | ** | н | II | 77 | |
| 1,1-Dichloroethene | ND | 2.0 | " | ** | ** | ** | II . | ** | |
| Methylene chloride | ND | 10 | ** | " | ** | ** | II . | " | |
| Methyl tert-butyl ether | ND | 2.0 | 41 | H | ш | n | н | " | |
| trans-1,2-Dichloroethene | ND | 2.0 | 11 | ii | 11 | | ** | 11 | |
| 1,1-Dichloroethane | ND | 2.0 | II . | II. | 11 | * | 17 · | II | |
| 2,2-Dichloropropane | ND | 5.0 | п | п | tt | " | ** | n . | |
| cis-1,2-Dichloroethene | 11 | 2.0 | н | н | ** | н | 37 | (I | |
| Bromochloromethane | ND | 2.0 | ** | " | 77 | ш | * | u | |
| Chloroform | ND | 2.0 | | 11 | 11 | U | ,, | ** | |
| 1,1,1-Trichloroethane | ND | 2.0 | * | H | # | ш | ** | ** | |
| Carbon tetrachloride | ND | 2.0 | ** | ** | •• | II | 31 | π. | |
| 1,1-Dichloropropene | ND | 2.0 | ** | ** | 17 | +1 | | •• | |
| Benzene | ND | 2.0 | 17 | 11 | n n | ** | п | ** | |
| 1,2-Dichloroethane | ND | 2.0 | | п | п | " | ш | II. | |
| Trichloroethene | 10 | 2.0 | | п | и | 11 | " | п | |
| 1,2-Dichloropropane | ND | 2.0 | 11 | a | п | ** | | п | |
| Dibromomethane | ND ND | 2.0 | ** | Ħ | H | | ., | n | |
| Bromodichloromethane | ND ND | 2.0 | ,, | ** | •• | ,, | • | n n | |
| | | 2.0 | ,, | 77 | ** | 11 | H | Ħ | |
| 2,2,5,5-Tetramethyltetrahydrofu | | 2.0 | ** | ** | 11 | ji | ** | ** | |
| cis-1,3-Dichloropropene | ND ND | | rı | | ,, | | ** | •• | |
| Toluene | ND | 2.0 5.0 | | | ,, | n | ** | ø | |
| trans-1,3-Dichloropropene | ND | | ,, | ** | 11 | н | II | 11 | |
| 1,1,2-Trichloroethane | ND | 2.0 | 11 | n | n | ., | U | ** | |
| Tetrachloroethene | 6.5 | 2.0 | U | n | | ** | 11 | ** | |
| 1,3-Dichloropropane | ND | 2.0 | " | " | " " | н | ** | 11 | |
| Dibromochloromethane | ND | 2.0 | | " | " " | ,, | | | |
| 1,2-Dibromoethane | ND | 2.0 | " | " | " " | " | ** | " | |
| Chlorobenzene | ND | 2.0 | H | " | ,, | " " | " | | |
| Ethylbenzene | ND | 2.0 | ** | | | " | ,, | | |
| Total Xylenes | ND | 2.0 | ** | ** | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ** | H | | | | | |
| Styrene | ND | 2.0 | ** | " | ** | H | 11 | 11 | |

Sequoia Analytical - Walnut Creek





404 N. Wiget Lane Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|----------------------------------|-----------------------|--------------------|---------|----------|---------|-----------|-----------|-----------|------|
| SB-1 (W101564-02) Water Sam | pled: 22-Jan-01 09:15 | Received: | 24-Jan- | 14:00 | | | | | |
| Bromoform | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | ND | 2.0 | 4 | ** | ** | н | 11 | 71 | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | " | 41 | II . | " | ıı | H | |
| Bromobenzene | ND | 2.0 | U | п | II | ķi | Ħ | 11 | |
| n-Propylbenzene | ND | 2.0 | ш | ш | Ħ | " | TI TI | II | |
| 1,2,3-Trichloropropane | ND | 2.0 | ** | ** | ** | II . | " | ** | |
| 2-Chlorotoluene | ND | 2.0 | ** | 11 | H- | u | 11 | 71 | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | n | ** | " | 11 | II | ** | |
| 4-Chlorotoluene | ND | 2.0 | " | 11 | п | 11 | ш | ** | |
| tert-Butylbenzene | ND | 2.0 | 11 | U | и | ur. | H | II . | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | 11 | п | II | # | " | H . | |
| sec-Butylbenzene | ND | 2.0 | II . | ** | ** | " | 11 | u u | |
| p-Isopropyltoluene | ND | 2.0 | ** | *** | 11 | II | " | *1 | |
| 1,3-Dichlorobenzene | ND | 2.0 | 11 | Ħ | ** | II . | " | ** | |
| 1,4-Dichlorobenzene | ND | 2.0 | " | ** | ** | н | 11 | 11 | |
| n-Butylbenzene | ND | 2.0 | ** | " | II . | ** | II | и | |
| 1,2-Dichlorobenzene | ND | 2.0 | II | III | II . | ч | a | 17 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | н | n | п | ** | ** | 11 | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | | w | ** | 11 | 11 | п | |
| Naphthalene | ND | 10 | " | Ħ | ** | 11 | " | Ħ | |
| Hexachlorobutadiene | ND | 10 | * | " | " | н | 11 | # | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | 17 | " - | ii | ** | " | | |
| Surrogate: Dibromofluoromethan | e | 101 % | 50 | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 50 | -150 | " | n | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50 | -150 | # | n | " | " | |
| Surrogate: 4-Bromofluorobenzene | 2 | 98.0 % | 50 | -150 | " | " | " | " | |

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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|--------------------|----------|----------|---------|-----------|-----------|-----------|-------|
| SB-7 (W101564-03) Water Sa | ampled: 22-Jan-01 11:00 | Received: | 24-Jan-(| 14:00 | | _ | | <u></u> | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 31-Jan-01 | 31-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | 11 | II. | 11 | 11 | II . | ** | |
| Vinyl chloride | ND | 2.0 | li | п | п | ** | ** | 11 | |
| Bromomethane | ND | 5.0 | " | ш | *** | III | ** | u . | |
| Chloroethane | ND | 2.0 | # | ** | ** | II | ** | ** | |
| Trichlorofluoromethane | ND | 2.0 | 17 | *1 | Př | II | n | " | |
| 1,1-Dichloroethene | ND | 2.0 | ** | ** | •• | (l | IJ | rr . | |
| Methylene chloride | ND | 10 | | ** | 11 | " | ıı | ** | |
| Methyl tert-butyl ether | 19 | 2.0 | ** | ш | 11 | н | " | ** | |
| trans-1,2-Dichloroethene | ND | 2.0 | II . | 11 | ш | 17 | " | II | |
| 1,1-Dichloroethane | ND | 2.0 | u | H | ** | н | ** | п | |
| 2,2-Dichloropropane | ND | 5.0 | " | ** | ** | II | ** | P+ | |
| cis-1,2-Dichloroethene | ND | 2.0 | н | ** | ** | II | ** | ** | |
| Bromochloromethane | ND | 2.0 | " | ** | ** | ** | ш | ** | |
| Chloroform | ND | 2.0 | 11 | 11 | п | ** | n | " | |
| 1,1,1-Trichloroethane | ND | 2.0 | п | II | u | 11 | P | п | |
| Carbon tetrachloride | ND | 2.0 | н | н | ** | " | " | 11 | |
| 1,1-Dichloropropene | ND | 2.0 | ** | ** | 11 | п | ** | " | |
| Benzene | ND | 2.0 | ŧı | 77 | ** | п | ** | ** | |
| 1,2-Dichloroethane | ND | 2.0 | ** | " | •• | ** | U | ч | |
| Trichloroethene | ND | 2.0 | н | ıı | n | " | II . | ** | |
| 1,2-Dichloropropane | ND | 2.0 | п | ii | п | ** | ** | n | |
| Dibromomethane | ND | 2.0 | ** | ** | ** | " | ** | п | |
| Bromodichloromethane | ND | 2.0 | ** | ,, | • | п | ** | u · | |
| 2,2,5,5-Tetramethyltetrahydrofu | | 2.0 | ** | " | | ш | " | " | , |
| cis-1,3-Dichloropropene | ND | 2.0 | ,, | ** | " | ** | 11 | 16 | |
| | ND | 2.0 | 11 | n | п | " | II . | ** | |
| Toluene | ND | 5.0 | п | п | п | 31 | н | n . | |
| trans-1,3-Dichloropropene 1,1,2-Trichloroethane | ND ND | 2.0 | ** | ** | n | ** | ** | п | |
| | ND ND | 2.0 | ,, | ** | " | n n | " | п | |
| Tetrachloroethene | ND ND | 2.0 | н | # | | п | 11 | ** | |
| 1,3-Dichloropropane | ND | 2.0 | •1 | ,, | # | ** | п | п | |
| Dibromochloromethane | ND ND | 2.0 | ,,, | Į) | | ** | ĮĮ. | " | |
| 1,2-Dibromoethane | ND | 2.0 | u | п | ш | ** | ** | U | |
| Chlorobenzene | | 2.0 | н | ** | ,, | 11 | ** | u | |
| Ethylbenzene | ND | | ** | ** | ** | п | ** | ** | |
| Total Xylenes | ND | 2.0 | ** | ** | ** | н | 11 | n | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ** | ,, | | | | | |
| Styrene | ND | 2.0 | " | " | ** | | | | |

Sequoia Analytical - Walnut Creek





Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------------|--------------------|---------|----------|---------|-----------|-----------|-----------|-------|
| SB-7 (W101564-03) Water Samp | led: 22-Jan-01 11:00 | Received: | 24-Jan- | 14:00 | | | | | |
| Bromoform | ND | 2.0 | ug/l | 1 | 1A30019 | 31-Jan-01 | 31-Jan-01 | EPA 8260B | |
| Isopropylbenzene | 11 | 2.0 | स | H | ** | # | II . | ** | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | " | ** | n | " | II | ** | |
| Bromobenzene | ND | 2.0 | ,, | п | II . | н | * | n | |
| n-Propylbenzene | 14 | 2.0 | " | п | ** |)) | " | и | |
| 1,2,3-Trichloropropane | ND | 2.0 | ** | ** | 17 | II | * | ** | |
| 2-Chlorotoluene | ND | 2.0 | ** | ** | ** | н | II | FT | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ** | 77 | 11 | ** | II | •• | |
| 4-Chlorotoluene | ND | 2.0 | п | ш | 11 | it | ** | 11 | |
| tert-Butylbenzene | ND | 2.0 | II . | ш | ** | " | 91 | II | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | н | ** | " | II . | Ħ | u . | |
| sec-Butylbenzene | 18 | 2.0 | # | " | 17 | II | * | ** | |
| p-Isopropyltoluene | ND | 2.0 | " | ** | ** | Ħ | n | *1 | |
| 1,3-Dichlorobenzene | ND | 2.0 | 11 | " | n | " | II . | ** | |
| 1,4-Dichlorobenzene | ND | 2.0 | п | п | п | 17 | *** | 11 | |
| n-Butylbenzene | 29 | 2.0 | н | н | Ħ | ** | a | п | |
| 1,2-Dichlorobenzene | ND | 2.0 | ** | ** | ** | п | * | н | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | m | Ħ | n | 11 | n | ** | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | ** | " | ** | H | II | H | |
| Naphthalene | ND | 10 | п | n n | n | " | II . | " | |
| Hexachlorobutadiene | ND | 10 | (I | п | п | ** | ** | п | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | | ** | | " | Ħ | ш | |
| Surrogate: Dibromofluoromethane | | 105 % | 50 | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | | -150 | " | H | н | " | |
| Surrogate: Toluene-d8 | | 105 % | | -150 | " | " | " | n | |
| Surrogate: 10tuene-40 Surrogate: 4-Bromofluorobenzene | | 165 % | | -150 | " | " | " | " | S-6 |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| | | | | | | | | <u> </u> | ., |
|-------------------------------|--------------------------|-----------------|-----------|-------------|---------|-----------|-----------|-----------|-------|
| Analyte | Result | orting Limit | Units | Dilution | | Prepared | Analyzed | Method | Notes |
| SB-2 9'-10' (W101564-04) Soil | Sampled: 22-Jan-01 12:00 | Receiv | ed: 24-J | an-01 14:00 | | <u> </u> | <u> </u> | | |
| Dichlorodifluoromethane | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 0.10 | ,,, | II . | п | ** | " | 11 | |
| Vinyl chloride | ND | 0.10 | | п | Ħ | ** | *** | II | |
| Bromomethane | ND | 0.10 | Ħ | ** | ** | ii | " | 11 | |
| Chloroethane | ND | 0.10 | ** | " | +1 | II | " | " | |
| Trichlorofluoromethane | ND | 0.10 | 11 | H | ** | н | II | ** | |
| 1,1-Dichloroethene | ND | 0.10 | " | ** | ** | " | II | ** | |
| Methylene chloride | ND | 0.50 | #1 | H | | 44 | # | 11 | |
| Methyl tert-butyl ether | ND | 0.10 | п | II | п | ** | " | " | |
| trans-1,2-Dichloroethene | ND | 0.10 | н | Ħ | ** | ** | ** | II | |
| 1,1-Dichloroethane | ND | 0.10 | ** | " | " | II | ** | tr | |
| 2,2-Dichloropropane | ND | 0.10 | ** | ** | ** | II | ** | ** | |
| cis-1,2-Dichloroethene | ND | 0.10 | ** | ** | ** | ** | II | rr · | |
| 2-Butanone | ND | 0.50 | 11 | t) | 11 | " | п | ** | |
| Bromochloromethane | ND | 0.10 | n | II . | u | ** | ** | 11 | |
| Chloroform | ND | 0.10 | п | н | п | ** | ** | ti . | |
| 1,1,1-Trichloroethane | ND | 0.10 | ** | ** | ** | п | 17 | п | |
| Carbon tetrachloride | ND | 0.10 | ** | H | н | п | ** | ** | |
| 1,1-Dichloropropene | ND | 0.10 | | ** | ** | н | u u | 11 | |
| Benzene | ND | 0.10 | 11 | 11 | ji. | ** | п | ** | |
| 1,2-Dichloroethane | ND | 0.10 | п | 11 | | н | ** | 11 | |
| Trichloroethene | ND | 0.10 | ** | rr | ** | ** | 17 | II . | |
| | ND ND | 0.10 | ** | ,, | 11 | n | ** | ш | |
| 1,2-Dichloropropane | ND ND | 0.10 | 17 | ,, | ** | п | ** | " | |
| Dibromomethane | ND ND | 0.10 | ** | | ** | n | п | 12 | |
| Bromodichloromethane | | 0.10 | " | ,, | | ** | п | " | |
| cis-1,3-Dichloropropene | ND | | | 11 | | # | 78 | | |
| Toluene | ND | 0.10 | | | ** | ** | ** | 11 | |
| trans-1,3-Dichloropropene | ND | 0.10 | | ,, | ** | ** | ** | H | |
| 1,1,2-Trichloroethane | ND | 0.10 | 77 | # | ** | | 11 | 11 | |
| Tetrachloroethene | ND | 0.10 | | ,, | ,, | rt | | * | |
| 1,3-Dichloropropane | ND | 0.10 | ** | 11 | " " | ** | n | " | |
| Dibromochloromethane | ND | 0.10 | 11 | | | " | ** | | |
| 1,2-Dibromoethane | ND | 0.10 | " | " | " | ** | ** | " | |
| Chlorobenzene | ND | 0.10 | Ħ | tt | " | " | " | ** | |
| Ethylbenzene | 0.73 | 0.10 | | " | | | " | ,, | |
| Total Xylenes | 0.24 | 0.10 | | 51 | ** | | | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.10 | | " | ** | 11 | | | |
| Styrene | ND | 0.10 | 17 | н | 11 | ** | н | n | |

Sequoia Analytical - Walnut Creek





404 N. Wiget Lane Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | eporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------------|-------------------------|-------------------|----------|-------------|---------|-----------|-----------|-----------|------|
| SB-2 9'-10' (W101564-04) Soil | Sampled: 22-Jan-01 12:0 | 0 Receiv | ed: 24-J | an-01 14:00 | 0 | | | | |
| Bromoform | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | 0.61 | 0.10 | • | ** | Ħ | " | " | ** | |
| 1,1,2,2-Tetrachloroethane | ND | 0.10 | H | ** | ** | н | " | ** | |
| Bromobenzene | ND | 0.10 | ** | 44 | 11 | 11 | II | ** | |
| n-Propylbenzene | 0.87 | 0.10 | . 0 | IJ | 11 | * | ** | 11 | |
| 1,2,3-Trichloropropane | ND | 0.10 | | II | Ħ | 17 | " | 11 | |
| 2-Chlorotoluene | ND | 0.10 | # | ** | 17 | II | ** | н | |
| 1,3,5-Trimethylbenzene | 0.61 | 0.10 | ** | 11 | n | (I | " | " | |
| 4-Chlorotoluene | ND | 0.10 | ** | " | ** | # | II | " | |
| tert-Butylbenzene | ND | 0.10 | ** | 11 | 11 | ** | П | ** | |
| 1,2,4-Trimethylbenzene | 0.12 | 0.10 | " | 11 | п | ** | н | 11 | |
| sec-Butylbenzene | 0.27 | 0.10 | a | н | н | ** | " | ., | |
| p-Isopropyltoluene | 0.56 | 0.10 | " | ** | ** | 11 | 17 | u | |
| 1,3-Dichlorobenzene | ND | 0.10 | " | ** | п | U | ** | ** | |
| 1,4-Dichlorobenzene | ND | 0.10 | ** | ** | " | a | 11 | ** | |
| n-Butylbenzene | 0.39 | 0.10 | " | 11 | 11 | 17 | II | ** | |
| 1.2-Dichlorobenzene | ND | 0.10 | ıı . | II . | 11 | 11 | Ħ | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.10 | u | u | п | ** | ** | 11 | |
| 1,2,4-Trichlorobenzene | ND | 0.10 | ** | ** | ** | H | 11 | II . | |
| Naphthalene | 0.50 | 0.50 | ** | n | 11 | II . | ** | 71 | |
| Hexachlorobutadiene | ND | 0.10 | ** | ** | ** | II . | ** | ** | |
| 1,2,3-Trichlorobenzene | ND | 0.10 | ** | n | 11 | ** | ıı . | | |
| Surrogate: Dibromofluorometha | ne | 100 % | 50 | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d | | 106 % | 50 | -150 | " | " | " | u | |
| Surrogate: Toluene-d8 | | 99.2% | 50 | -150 | " | n | " | и | |
| Surrogate: 4-Bromofluorobenzer | 10 | 114% | 50 | -150 | " | " | " | п | |



Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| Analyte | Rep Result | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|--------------------------------|--------------------------|-----------------|-----------|-------------|---------|-----------|-----------|-----------|----|
| SB-3 11'-12' (W101564-05) Soil | Sampled: 22-Jan-01 13:15 | Recei | ived: 24- | Jan-01 14:0 |)0 | | | | |
| Dichlorodifluoromethane | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 0.10 | " | н | " | U | ** | и | |
| Vinyl chloride | ND | 0.10 | tt | ** | 11 | U | " | ** | |
| Bromomethane | ND | 0.10 | ** | ** | н | II | ** | ** | |
| Chloroethane | ND | 0.10 | ** | ** | ** | ** | II | ** | |
| Frichlorofluoromethane | ND | 0.10 | ** | *11 | 11 | ** | II | | |
| l,1-Dichloroethene | ND | 0.10 | ** | п | 11 | et | " | II | |
| Methylene chloride | ND | 0.50 | " | п | н | " | * | 11 | |
| Methyl tert-butyl ether | ND | 0.10 | II. | rt . | +* | н | " | п | |
| rans-1,2-Dichloroethene | ND | 0.10 | ** | ** | 11 | II | ** | н | |
| 1,1-Dichloroethane | ND | 0.10 | ** | ** | ** | II. | " | ** | |
| 2,2-Dichloropropane | ND | 0.10 | ** | ** | *** | u | II | ** | |
| cis-1,2-Dichloroethene | ND | 0.10 | ** | " | п | ** | н | ** | |
| 2-Butanone | ND | 0.50 | н | II . | 11 | " | II | ** | |
| Bromochloromethane | ND | 0.10 | a | п | н | * | " | u u | |
| Chloroform | ND | 0.10 | ** | ** | ** | " | н | II . | |
| 1,1,1-Trichloroethane | ND | 0.10 | " | ** | ** | II . | " | u | |
| Carbon tetrachloride | ND | 0.10 | н | ** | " | II . | ** | ** | |
| 1,1-Dichloropropene | ND | 0.10 | " | 11 | н | ** | п | H | |
| Benzene | ND | 0.10 | ji . | 11 | ш | 44 | II | ** | |
| 1,2-Dichloroethane | ND | 0.10 | 11 | п | tt | 11 | •• | II . | |
| Trichloroethene | ND | 0.10 | ,, | ** | ** | ** | Ħ | II | |
| 1,2-Dichloropropane | ND | 0.10 | " | " | " | II | " | н | |
| Dibromomethane | ND | 0.10 | ** | " | ** | и | ,, | ** | |
| Bromodichloromethane | ND | 0.10 | ** | ** | #1 | Ħ | II | ŧŧ | |
| cis-1,3-Dichloropropene | ND | 0.10 | n | ш | u u | " | п | ** | |
| Toluene | ND | 0.10 | II . | u | II . | ** | ** | п | |
| trans-1,3-Dichloropropene | ND | 0.10 | ** | H | ** | " | 11 | н | |
| 1,1,2-Trichloroethane | ND | 0.10 | ** | " | *** | 11 | π | H | |
| Tetrachloroethene | ND | 0.10 | ** | ** | | u | " | ** | |
| 1,3-Dichloropropane | ND | 0.10 | ** | 11 | 11 | H | II | 11 | |
| Dibromochloromethane | ND | 0.10 | 11 | II . | n | " | п | ** | |
| 1,2-Dibromoethane | ND | 0.10 | n | п | п | н | ** | 11 | |
| Chlorobenzene | ND | 0.10 | ** | Ħ | ** | " | ** | п | |
| Ethylbenzene | ND | 0.10 | | ** | " | п | ** | и | |
| Total Xylenes | ND | 0.10 | 17 | н | ** | n n | ** | ** | |
| 1,1,1,2-Tetrachloroethane | ND | 0.10 | | | ** | н | ** | 11 | |
| Styrene | ND | 0.10 | 11 | 11 | n | ** | п | ** | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B

| Sequoia | Analytical - | Walnut | Creek |
|---------|--------------|--------|-------|
|---------|--------------|--------|-------|

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------|--------------------|-----------|-------------|---------|-----------|-----------|-----------|------|
| SB-3 11'-12' (W101564-05) Soil | Sampled: 22-Jan-01 | 13:15 Rece | ived: 24- | Jan-01 14:0 | 00 | | | | |
| Bromoform | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | 0.19 | 0.10 | ** | ** | 11 | ** | II . | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.10 | 11 | μ | и | u | н | 1) | |
| Bromobenzene | ND | 0.10 | II. | ш | u | ** | " | 11 | |
| n-Propylbenzene | 0.24 | 0.10 | II . | н | •• | п | ** | u | |
| 1,2,3-Trichloropropane | ND | 0.10 | ** | 91 | u | II | ,, | ** | |
| 2-Chlorotoluene | ND | 0.10 | Ħ | 11 | ** | II | п | *11 | |
| 1,3,5-Trimethylbenzene | ND | 0.10 | " | ** | " | ** | II . | н | |
| 4-Chlorotoluene | ND | 0.10 | 11 | п | ш | 11 | п | 11 | |
| tert-Butylbenzene | ND | 0.10 | | п | II | ** | ** | n | |
| 1,2,4-Trimethylbenzene | ND | 0.10 | п | п | II . | ** | " | п | |
| sec-Butylbenzene | 0.15 | 0.10 | н | ** | ** | II . | H | н | |
| p-Isopropyltoluene | 0.15 | 0.10 | ** | " | Ħ | II . | ** | er | |
| 1,3-Dichlorobenzene | ND | 0.10 | н | ** | " | II . | 11 | ** | |
| 1,4-Dichlorobenzene | ND | 0.10 | | ** | ** | " | " | ** | |
| n-Butylbenzene | 0.23 | 0.10 | ** | n | п | ** | tt | ** | |
| 1,2-Dichlorobenzene | ND | 0.10 | | п | | ** | н | 11 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.10 | " | п | н | ** | • | II . | |
| 1,2,4-Trichlorobenzene | ND | 0.10 | ** | ** | ** | ** | 11 | II | |
| Naphthalene | ND | 0.50 | *1 | ** | " | II . | ** | ** | |
| Hexachlorobutadiene | ND | 0.10 | ** | " | •• | u | " | •• | |
| 1,2,3-Trichlorobenzene | ND | 0.10 | ** | ** | " | H | 11 | 11 | |
| Surrogate: Dibromofluoromethan | | 104 % | 50 | -150 | n | | " | " | |
| Surrogate: Dibromojtuoromeutan Surrogate: 1,2-Dichloroethane-d- | | 106 % | | -150 | " | " | и | " | |
| Surrogate: 1,2-Dichtoroethune-a- Surrogate: Toluene-d8 | 7 | 105 % | | -150 | " | " | rt . | п | |
| Surrogate: 1 otuene-ao Surrogate: 4-Bromofluorobenzen | e | 114 % | | -150 | " | " | " | " | |



Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| | Beduoia Isharyucai Wanat Ci oon | | | | | | | | |
|--------------------------------|---------------------------------|--------------------|-----------|-------------|---------|-----------|-----------|-----------|------|
| Analyte | Result | Reporting Limit | Units | Dilution | | Prepared | Analyzed | Method | Note |
| SB-4 11'-12' (W101564-06) Soil | Sampled: 22-Jan-01 1 | 3:50 Recei | ived: 24- | Jan-01 14:0 |)0 | | | | |
| Dichlorodifluoromethane | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 29-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 0.10 | u | ** | ** | ** | " | ĮI. | |
| Vinyl chloride | ND | 0.10 | " | " | ** | n | If | II | |
| Bromomethane | ND | 0.10 | 11 | 11 | н | Ц | ** | ŧτ | |
| Chloroethane | ND | 0.10 | rr | ** | ** | 17 | II | 11 | |
| Trichlorofluoromethane | ND | 0.10 | ** | ** | D | ** | II. | ** | |
| 1,1-Dichloroethene | ND | 0.10 | n | II | II . | Ħ | •• | II | |
| Methylene chloride | ND | 0.50 | " | U | *1 | " | 11 | II | |
| Methyl tert-butyl ether | ND | 0.10 | ** | ** | •• | " | " | ** | |
| trans-1,2-Dichloroethene | ND | 0.10 | " | ** | Ħ | 11 | ** | ** | |
| 1,1-Dichloroethane | ND | 0.10 | ** | " | ** | н | П | 7) | |
| 2,2-Dichloropropane | ND | 0.10 | •• | *1 | ** | ** | II | ** | |
| cis-1,2-Dichloroethene | ND | 0.10 | 11 | п | п | ** | u | " | |
| 2-Butanone | ND | 0.50 | п | п | II. | श | н | #1 | |
| Bromochloromethane | ND | 0.10 | n | н | ** | ** | ** | " | |
| Chloroform | ND | 0.10 | 11 | ** | | ** | 11 | п | |
| 1.1.1-Trichloroethane | ND | 0.10 | н | н | н | II. | ** | н | |
| Carbon tetrachloride | ND | 0.10 | +7 | " | | н | " | " | |
| 1,1-Dichloropropene | ND | 0.10 | н | п | п | ** | n n | ** | |
| · | ND | 0.10 | и | II | | H | 77 | н | |
| Benzene | ND ND | 0.10 | | ** | ** | ** | 41 | п | |
| 1,2-Dichloroethane | ND | 0.10 | ** | 11 | ** | μ | | * | |
| Trichloroethene | | 0.10 | н | " | | ij. | U | Ħ | |
| 1,2-Dichloropropane | ND | 0.10 | " | ** | ,, | ., | u | ** | |
| Dibromomethane | ND | | ıı | | lı | 11 | ** | п | |
| Bromodichloromethane | ND | 0.10 | H | | " | ** | ** | 11 | |
| cis-1,3-Dichloropropene | ND | 0.10 | " ** | | | 11 | 77 | н | |
| Toluene | ND | 0.10 | " | ** | н | п | ** | | |
| trans-1,3-Dichloropropene | ND | 0.10 | | | | ** | n n | H | |
| 1,1,2-Trichloroethane | ND | 0.10 | ** | " | " | | | ** | |
| Tetrachloroethene | ND | 0.10 | 17 | | " " | | | 11 | |
| 1,3-Dichloropropane | ND | 0.10 | п | | | " | ** | | |
| Dibromochloromethane | ND | 0.10 | u | Ħ | " | | ,, | | |
| 1,2-Dibromoethane | ND | 0.10 | ** | " | " | " | " | | |
| Chlorobenzene | ND | 0.10 | " | н | " | | " | 11 | |
| Ethylbenzene | ND | 0.10 | | " | ** | Ħ | | " | |
| Total Xylenes | ND | 0.10 | " | ** | н | ** | II . | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.10 | II. | II | " | ** | II . | 11 | |
| Styrene | ND | 0.10 | II | н | ** | ** | ** | n | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------------------|--------------------|----------|-------------|---------|-----------|-----------|-----------|-------|
| SB-4 11'-12' (W101564-06) Soil | Sampled: 22-Jan-01 | 13:50 Rece | ived: 24 | Jan-01 14:0 | 00 | | | | |
| Bromoform | ND | 0.10 | mg/kg | 100 | 1A26017 | 26-Jan-01 | 29-Jan-01 | EPA 8260B | |
| Isopropylbenzene | ND | 0.10 | " | n n | " | " | ** | II | |
| 1,1,2,2-Tetrachloroethane | ND | 0.10 | н | ** | ** | II | H | II | |
| Bromobenzene | ND | 0.10 | ** | ** | " | п | ** | 81 | |
| n-Propylbenzene | ND | 0.10 | " | 71 | ** | н | ** | 51 | |
| 1,2,3-Trichloropropane | ND | 0.10 | • | ** | 11 | ** | II | ** | |
| 2-Chlorotoluene | ND | 0.10 | 11 | н | п | н | н | 11 | |
| 1,3,5-Trimethylbenzene | ND | 0.10 | " | n n | н | ** | " | II . | |
| 4-Chlorotoluene | ND | 0.10 | ** | *** | " | n | ** | n | |
| tert-Butylbenzene | ND | 0.10 | ** | 11 | п | u | ** | ** | |
| 1,2,4-Trimethylbenzene | ND | 0.10 | н | ** | ** | n | 11 | 17 | |
| sec-Butylbenzene | ND | 0.10 | ** | II | п | * | II | ** | |
| p-Isopropyltoluene | ND | 0.10 | II . | 11 | 11 | *1 | н | 11 | |
| 1,3-Dichlorobenzene | ND | 0.10 | н | Ħ | ** | ** | ** | ш | |
| 1,4-Dichlorobenzene | ND | 0.10 | ** | ** | 77 | II . | ** | H | |
| n-Butylbenzene | ND | 0.10 | ti. | Ħ | ** | II | " | ** | |
| 1,2-Dichlorobenzene | ND | 0.10 | ** | " | 11 | 4 | п | н | |
| 1,2-Dibromo-3-chloropropane | ND | 0.10 | " | 11 | ш | " | II | ** | |
| 1,2,4-Trichlorobenzene | ND | 0.10 | u | II . | и | 11 | н | ** | |
| Naphthalene | ND | 0.50 | " | ** | ** | н | " | 11 | |
| Hexachlorobutadiene | ND | 0.10 | " | ** | 11 | IJ | н | 11 | |
| 1,2,3-Trichlorobenzene | ND | 0.10 | ** | ** | ** | | ** | ** | |
| Surrogate: Dibromofluoromethan | <u> </u> | 102 % | 50 | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 50 | -150 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | 50 | -150 | " | " | n | II . | |
| Surrogate: 4-Bromofluorobenzene | ? | 98.0 % | 50 | -150 | " | u | " | " | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
|---------------------------------|-------------------------|--------------------|---------|----------|---------|-----------|-----------|-----------|-----|
| SB-8 (W101564-07) Water S | ampled: 23-Jan-01 10:20 | Received: | 24-Jan- | 01 14:00 | | - | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | 11 | ** | " | н | " | " | |
| Vinyl chloride | ND | 2.0 | ** | ** | ** | *1 | II | II. | |
| Bromomethane | ND | 5.0 | ** | " | 11 | н | II | " | |
| Chloroethane | ND | 2.0 | II . | II . | н | " | ** | 11 | |
| Trichlorofluoromethane | ND | 2.0 | 11 | н | R | 1) | " | п | |
| 1,1-Dichloroethene | ND | 2.0 | " | H | ** | U | II | a | |
| Methylene chloride | ND | 10 | •• | ** | n | II . | ** | ** | |
| Methyl tert-butyl ether | 10 | 2.0 | 17 | - н | ** | u | ** | •• | |
| trans-1,2-Dichloroethene | ND | 2.0 | n | tt | " | H | н | ** | |
| 1,1-Dichloroethane | ND | 2.0 | " | 11 | ** | " | " | ** | |
| 2,2-Dichloropropane | ND | 5.0 | 11 | U | п | н | " | 79 | |
| cis-1,2-Dichloroethene | ND | 2.0 | μ | II | u | it | | II | |
| Bromochloromethane | ND | 2.0 | п | Ħ | ** | 1* | ч. | II | |
| Chloroform | ND | 2.0 | ** | ** | ** | II . | ** | н | |
| 1,1,1-Trichloroethane | ND | 2.0 | ** | 17 | Ħ | II | ** | ** | |
| Carbon tetrachloride | ND | 2.0 | ** | ** | | u | " | 79 | |
| 1,1-Dichloropropene | ND | 2.0 | " | ** | " | " | · · | n | |
| Benzene | ND | 2.0 | п | ii | ш | ** | ji. | " | |
| 1,2-Dichloroethane | ND | 2.0 | | u | u | ** | н | п | |
| Trichloroethene | ND | 2.0 | | ** | | н | " | п | |
| 1,2-Dichloropropane | ND | 2.0 | 11 | 11 | 11 | II | 14 | u | |
| Dibromomethane | ND | 2.0 | ** | ** | ** | п | 11 | ** | |
| Bromodichloromethane | ND | 2.0 | " | ** | ** | * | n | ** | |
| 2,2,5,5-Tetramethyltetrahydrofi | | 2.0 | п | п | II. | n | II | ** | |
| | ND | 2.0 | | | п | ** | ** | II | |
| cis-1,3-Dichloropropene | ND ND | 2.0 | * | ** | ** | " | 11 | u . | |
| Toluene | ND ND | 5.0 | " | ** | 11 | н | и | er | |
| trans-1,3-Dichloropropene | ND ND | 2.0 | ** | 71 | ** | п | ** | ** | |
| 1,1,2-Trichloroethane | ND ND | 2.0 | | ** | ,, | ** | 11 | U | |
| Tetrachloroethene | ND ND | 2.0 2.0 | 1) | II. | ji . | ., | п | ** | |
| 1,3-Dichloropropane | | 2.0 | | II. | п | Ħ | n | 11 | |
| Dibromochloromethane | ND | | и. | | " | | ,, | п | |
| 1,2-Dibromoethane | ND | 2.0 | " H | ** | | ** | Ħ | п | |
| Chlorobenzene | ND | 2.0 | ,, | ** | | | 17 | *** | |
| Ethylbenzene | ND | 2.0 | ** | " | " •• | | 11 | ** | |
| Total Xylenes | ND | 2.0 | ** | " | ** | | ,, H | 11 | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | | " | " | ** | | | |
| Styrene | ND | 2.0 | 11 | II | " | " | | | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|-------------------------|--------------------|----------|----------|---------|-----------|-----------|----------------|-------|
| SB-8 (W101564-07) Water S: | ampled: 23-Jan-01 10:20 | Received: | 24-Jan-0 | 14:00 | | | | | |
| Втотобогт | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | ND | 2.0 | " | 11 | II | ** | II . | ** | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | н | 11 | IJ | " | н | 77 | |
| Bromobenzene | ND | 2.0 | U | II | II . | н | Ħ | 11 | |
| n-Propylbenzene | ND | 2.0 | | II | u | ** | ** | II . | |
| 1,2,3-Trichloropropane | ND | 2.0 | ш | Ц | n | n | ** | II | |
| 2-Chlorotoluene | ND | 2.0 | u | н | ** | " | 17 | II | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ** | ** | • | 11 | r | u | |
| 4-Chlorotoluene | ND | 2.0 | ** | " | ** | II | ** | 11 | |
| tert-Butylbenzene | ND | 2.0 | ** | " | 11 | II | ** | t t | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ** | н | H | II | ** | ** | |
| sec-Butylbenzene | ND | 2.0 | PF | " | ** | п | 11 | ** | |
| p-Isopropyltoluene | ND | 2.0 | 27 | ** | " | ч | Ш | ** | |
| 1,3-Dichlorobenzene | ND | 2.0 | ** | • | ** | ** | n | н | |
| 1,4-Dichlorobenzene | ND | 2.0 | ** | " | п | ** |)ı | " | |
| n-Butylbenzene | ND | 2.0 | ** | μ | п | 11 | II | ,, | |
| 1,2-Dichlorobenzene | ND | 2.0 | 11 | " | 11 | ** | II | * | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | п | II . | п | 11 | н | " | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | u | II | п | H | rr | 19 | |
| Naphthalene | ND | 10 | u | II . | u | ** | " | II . | |
| Hexachlorobutadiene | ND | 10 | п | ŧŧ | ** | ** | ** | U | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | ** | " | " | ** | 11 | п | |
| Surrogate: Dibromofluorometho | ine | 103 % | 50- | 150 | " | n | " | " | |
| Surrogate: 1,2-Dichloroethane- | d4 | 105 % | 50- | 150 | # | rr | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 50- | 150 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenze | ne | 103 % | 50- | 150 | " | " | " | " | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| | <u>-</u> | D | | | | | | | |
|------------------------------------|--------------------|--------------------|-------------|------------|---------|-----------|-----------|-----------|-----|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
| Trip Blank (W101564-08) Water | Sampled: 23-Jan-01 | 10:15 Rec | eived: 24 | -Jan-01 14 | :00 | | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | ** | ** | ** | ti . | | It | |
| Vinyl chloride | ND | 2.0 | 27 | | ** | ** | п | " | |
| Bromomethane | ND | 5.0 | ** | ** | 11 | ** | п | ** | |
| Chloroethane | ND | 2.0 | " | ** | | " | " | " | |
| Trichlorofluoromethane | ND | 2.0 | # | n | 11 | 11 | н | 11 | |
| 1,1-Dichloroethene | ND | 2.0 | 11 | II. | | n | Ħ | n | |
| Methylene chloride | ND | 10 | | II. | " | н | Ħ | II . | |
| Methyl tert-butyl ether | ND | 2.0 | п | ø | | ** | ** | 11 | |
| trans-1,2-Dichloroethene | ND | 2.0 | п | II. | ft | ** | ** | п | |
| 1,1-Dichloroethane | ND | 2.0 | D | II . | u | •• | ** | II. | |
| 2,2-Dichloropropane | ND | 5.0 | п | ** | Ħ | ** | ** | II . | |
| cis-1,2-Dichloroethene | ND | 2.0 | н | n | ** | ** | ** | п | |
| Bromochloromethane | ND | 2.0 | н | " | ** | 11 | 77 | п | |
| Chloroform | ND | 2.0 | ** | ** | ** | 11 | ** | II . | |
| 1,1,1-Trichloroethane | ND | 2.0 | 97 | " | ** | 11 | er | н | |
| Carbon tetrachloride | ND | 2.0 | ** | " | ** | п | ** | (t | |
| 1,1-Dichloropropene | ND | 2.0 | 11 | н | " | n | ** | ** | |
| Benzene | ND | 2.0 | ** | 11 | ** | п | ** | | |
| 1,2-Dichloroethane | ND | 2.0 | ** | •• | 11 | п | ** | " | |
| Trichloroethene | ND | 2.0 | ** | ,, | ** | ** | п | 11 | |
| 1,2-Dichloropropane | ND | 2.0 | ** | n | п | ** | ij | ** | |
| Dibromomethane | ND | 2.0 | п | п | 11 | ** | II | • | |
| Bromodichloromethane | ND | 2.0 | ,,, | ,, | п | ,, | u | 11 | |
| 2,2,5,5-Tetramethyltetrahydrofuran | ND | 2.0 | u | II | п | th. | н | 11 | |
| cis-1,3-Dichloropropene | ND ND | 2.0 | п | ш | ш | | ** | п | |
| Toluene | ND ND | 2.0 | ** | н | ** | ** | | п | |
| trans-1,3-Dichloropropene | ND ND | 5.0 | | | | ** | " | п | |
| 1,1,2-Trichloroethane | ND ND | 2.0 | ** | ** | ,, | ** | ** | п | |
| Tetrachloroethene | ND ND | 2.0 | ** | ,, | *1 | п | N | н | |
| 1,3-Dichloropropane | ND ND | 2.0 | 11 | Ħ | 11 | ij | ** | | |
| Dibromochloromethane | ND ND | 2.0 | 11 | ** | | п | ** | | |
| 1,2-Dibromoethane | ND ND | 2.0 | ,, | ,, | ,, | | 11 | ** | |
| • | | 2.0 | ** | ,, | ,, | | 11 | 11 | |
| Chlorobenzene | ND | | ** | ** | " | " " | II | п | |
| Ethylbenzene Trad Volume | ND | 2.0 | ,, | " | " | | | ** | |
| Total Xylenes | ND | 2.0 | | " | " | ** | II | ,, | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | " | | " " | ,, | II | ,, | |
| Styrene | ND | 2. 0 | " | 11 | " | ** | " | • | |

Sequoia Analytical - Walnut Creek





Project: No Project

Project Number: ACT Project Manager: Brad Wright **Reported:** 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|----------------------------------|--------------------|--------------------|-----------|-------------|---------|-----------|-----------|-----------|------|
| Trip Blank (W101564-08) Water | Sampled: 23-Jan-01 | 10:15 Rec | eived: 24 | I-Jan-01 14 | :00 | | | | |
| Bromoform | ND | 2.0 | ug/i | 1 | 1A30019 | 30-Jan-01 | 30-Jan-01 | EPA 8260B | |
| Isopropylbenzene | ND | 2.0 | ** | ** | 11 | U | " | ** | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | " | 71 | н | u | ** | ** | |
| Bromobenzene | ND | 2.0 | " | 11 | ** | u | 11 | 11 | |
| n-Propylbenzene | ND | 2.0 | и | ** | ** | u | II | " | |
| 1,2,3-Trichloropropane | ND | 2.0 | н | ** | ** | " | II | н | |
| 2-Chlorotoluene | ND | 2.0 | | " | 11 | ** | IJ | rr . | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | * | 11 | 11 | * | II | ** | |
| 4-Chlorotoluene | ND | 2.0 | 11 | μ | п | 11 | II | ** | |
| tert-Butylbenzene | ND | 2.0 | 11 | ш | п | 11 | и | 11 | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | " | II | u | ** | " |)1 | |
| sec-Butylbenzene | ND | 2.0 | II . | II | ш | " | ** | m. | |
| p-Isopropyltoluene | ND | 2.0 | н | н | ** | Ħ | 11 | Ц | |
| 1,3-Dichlorobenzene | ND | 2.0 | * | ** | ** | n | " | u | |
| 1,4-Dichlorobenzene | ND | 2.0 | ** | 77 | 77 | II . | H | *** | |
| n-Butylbenzene | ND | 2.0 | * | 79 | Ħ | п | ** | Ħ | |
| 1,2-Dichlorobenzene | ND | 2.0 | 11 | 17 | H | II | * | ** | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | * | Pt | ** | II . | " | ** | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | н | ** | ** | II | ** | 71 | |
| Naphthalene | ND | 10 | " | ** | ** | н | II | Ħ | |
| Hexachlorobutadiene | ND | 10 | ** | 17 | ** | ** | D . | H | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | н | n | п | *** | 11 | ** | |
| Surrogate: Dibromofluoromethane | | 109 % | 50- | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 50- | -150 | " | Ħ | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 50- | -150 | . " | " | н | 11 | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 50- | -150 | " | " | u u | " | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------------|-------------------------|--------------------|----------|----------|----------|-----------|-----------|-----------|------|
| SB-6 (W101564-09) Water S | ampled: 23-Jan-01 11:40 | Received: | 24-Jan-0 | 14:00 | | | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 02-Feb-01 | 02-Feb-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | 11 | ** | * | " | #1 | 11 | |
| Vinyl chloride | ND | 2.0 | ** | ** | ** | ** | n | н | |
| Bromomethane | ND | 5.0 | • | ** | ** | " | II | # | |
| Chloroethane | ND | 2.0 | ** | 11 | n | II . | II | ** | |
| Trichlorofluoromethane | ND | 2.0 | 11 | п | II | ** | ** | 11 | |
| 1,1-Dichloroethene | ND | 2.0 | O | п | u | *1 | ** | U | |
| Methylene chloride | ND | 10 | | п | II . | ** | " | п | |
| Methyl tert-butyl ether | 12 | 2.0 | и | н | Ħ | U | ** | ш | |
| trans-1,2-Dichloroethene | ND | 2.0 | R | Ħ | ** | n | н | ш | |
| 1,1-Dichloroethane | ND | 2.0 | ** | ** | ** | U | " | Ħ | |
| 2,2-Dichloropropane | ND | 5.0 | ** | ** | 11 | u | • | ** | |
| cis-1,2-Dichloroethene | ND | 2.0 | # | rt | n | II . | 91 | ** | |
| Bromochloromethane | ND | 2.0 | ** | ** | •• | н | 11 | Ħ | |
| Chloroform | ND | 2.0 | | ** | " | ** | | n | |
| 1,1,1-Trichloroethane | ND | 2.0 | 31 | 11 | н | # | п | ** | |
| Carbon tetrachloride | ND | 2.0 | | 11 | п | ** | II | ** | |
| 1,1-Dichloropropene | ND | 2.0 | и | п | п | ** | и | ** | |
| Benzene | ND | 2.0 | п | 11 | n | 4 | ** | 11 | |
| 1,2-Dichloroethane | ND | 2.0 | Ħ | н | н | * | * | n . | |
| Trichloroethene | ND | 2.0 | H | ** | ** | 17 | ** | n . | |
| 1,2-Dichloropropane | ND | 2.0 | ** | ** | ,, | II | ** | н | |
| Dibromomethane | ND | 2.0 | 11 | 11 | H | п | | ** | |
| Bromodichloromethane | ND | 2.0 | | ** | ** | n | " | 11 | |
| 2,2,5,5-Tetramethyltetrahydrofi | | 2.0 | ** | " | +1 | ** | h | н | |
| cis-1,3-Dichloropropene | ND | 2.0 | " | " | ш | ** | n n | ** | |
| Toluene | ND | 2.0 | | 11 | u | 11 | н | 11 | |
| trans-1,3-Dichloropropene | ND | 5.0 | п | u | п | ** | | II | |
| 1,1,2-Trichloroethane | ND | 2.0 | н | Ħ | ** | " | " | II | |
| | ND ND | 2.0 | ** | ** | ** | н | 11 | (I | |
| Tetrachloroethene | ND | 2.0 | ,, | 77 | ** | п | ** | n | |
| 1,3-Dichloropropane | | 2.0 | 1) | н | 11 | п | | 11 | |
| Dibromochloromethane | ND | 2.0 | ** | ** | ** | u | n | 11 | |
| 1,2-Dibromoethane | ND ND | ·=· | ,, | ,, | ,, ,, | 17 |)) | ** | |
| Chlorobenzene | ND | 2.0 | " | " | . " | ** | II | ** | |
| Ethylbenzene | ND | 2.0 | " | " " | " " | ,, | " | ,, | |
| Total Xylenes | ND | 2.0 | " | " | " II | 11 | " | | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | | " | " | " | " | | |
| Styrene | ND | 2.0 | ш | " | " | *** | ** | ,, | |

Sequoia Analytical - Walnut Creek





404 N. Wiget Lane Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| Analyte | Result | Reporting Limit | Units_ | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|------------------------|--------------------|----------|----------|---------|-----------|-----------|-----------|-------|
| SB-6 (W101564-09) Water Sa | mpled: 23-Jan-01 11:40 | Received: | 24-Jan-0 | 14:00 | | | | | |
| Bromoform | ND | 2.0 | ug/l | 1 | 1A30019 | 02-Feb-01 | 02-Feb-01 | EPA 8260B | |
| Isopropylbenzene | 8.9 | 2.0 | " | н | Ħ | 11 | " | ** | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | н | ** | ** | н | 1) | ** | |
| Bromobenzene | ND | 2.0 | " | 11 | н | " | II | ** | |
| n-Propylbenzene | 13 | 2.0 | " | II | и | " | * | # | |
| 1,2,3-Trichloropropane | ND | 2.0 | ш | u | ** | " | ** | u | |
| 2-Chlorotoluene | ND | 2.0 | ** | ** | ** | II | " | ** | |
| 1,3,5-Trimethylbenzene | 4.7 | 2.0 | ** | н | ** | н | ** | 11 | |
| 4-Chlorotoluene | ND | 2.0 | tt | ** | ** | ** |)) | ** | |
| tert-Butylbenzene | ND | 2.0 | " | ш | II | ir | u | ** | |
| 1,2,4-Trimethylbenzene | 2.7 | 2.0 | " | II . | (1 | ** | " | 11 | |
| sec-Butylbenzene | 13 | 2.0 | ш | et | ** | 10 | ** | " | |
| p-Isopropyltoluene | 7.4 | 2.0 | " | " | 11 | 1) | ** | II | |
| 1,3-Dichlorobenzene | ND | 2.0 | ** | 11 | ** | u | " | Ħ | |
| 1,4-Dichlorobenzene | ND | 2.0 | ** | ** | ** | u | " | ** | |
| n-Butylbenzene | 15 | 2.0 | 11 | 11 | П | ** | ji | " | |
| 1,2-Dichlorobenzene | ND | 2.0 | 11 |)1 | " | ч | п | •• | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | н | н | ** | " | ** | 11 | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | * | ** | 11 | 11 | " | u | |
| Naphthalene | ND | 10 | Ħ | Ħ | " | . " | " | tt | |
| Hexachlorobutadiene | ND | 10 | | ** | ** | " | II | 11 | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | ** | 11 | | ** | | ** | |
| Surrogate: Dibromofluorometho | ine | 99.6% | 50- | -150 | " | " | " | " | |
| Surrogate: 1,2-Dichloroethane- | | 101 % | 50 | -150 | " | " | # | " | |
| Surrogate: Toluene-d8 | | 102 % | 50 | -150 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenze | ne | 133 % | 50 | -150 | " | и | " | n | |



Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|------------------------------------|-----------------|--------------------|----------|----------|---------|-----------|-----------|-----------|------|
| SB-5 (W101564-10) Water Sampled: | 23-Jan-01 11:00 | | 24-Jan-(| 01 14:00 | | | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | 1 | 1A30019 | 30-Jan-01 | 31-Jan-01 | EPA 8260B | |
| Chloromethane | ND | 2.0 | " | 11 | 11 | ** | II . | n | |
| Vinyl chloride | ND | 2.0 | п | н | ıi | ** | ** | " " | |
| Bromomethane | ND | 5.0 | п | п | н | 11 | " | " | |
| Chloroethane | ND | 2.0 | н | ** | ** | п | ** | | |
| Frichlorofluoromethane | ND | 2.0 | " | " | н | U | ** | " | |
| ,1-Dichloroethene | ND | 2.0 | 11 | ** | #F | п | n | ,, | |
| Methylene chloride | ND | 10 | ** | " | 11 | " | II | " | |
| Methyl tert-butyl ether | 15 | 2.0 | 11 | II . | П | ** | II | ** | |
| rans-1,2-Dichloroethene | ND | 2.0 | II . | П | П | It | ** | н | |
| ,1-Dichloroethane | ND | 2.0 | и | н | ** | ** | " | п | |
| 2,2-Dichloropropane | ND | 5.0 | * | tt . | ** | н | Ħ | п | |
| is-1,2-Dichloroethene | ND | 2.0 | " | 11 | H | II | " | ** | |
| Bromochloromethane | ND | 2.0 | ** | ** | ** | II | 11 | 0 | |
| Chloroform | ND | 2.0 | ** | ** | н | ** | " | ** | |
| 1,1,1-Trichloroethane | ND | 2.0 | п | ii | п | " | II . | 41 | |
| Carbon tetrachloride | ND | 2.0 | II . | II . | н | " | | п | |
| 1,1-Dichloropropene | ND | 2.0 | н | ** | " | • | " | и | |
| Benzene | ND | 2.0 | ** | ** | 11 | 11 | ** | " | |
| 1,2-Dichloroethane | ND | 2.0 | " | ** | " | II | ** | H | |
| Trichloroethene | ND | 2.0 | ** | " | ** | ** | · · | " | |
| 1,2-Dichloropropane | ND | 2.0 | п | μ | II | ** | u | " | |
| Dibromomethane | ND | 2.0 | | a | II . | н | ** | 11 | |
| Bromodichloromethane | ND | 2.0 | ** | " | H | ** | " | II . | |
| 2,2,5,5-Tetramethyltetrahydrofuran | ND | 2.0 | ** | " | ** | п | ** | ш | |
| cis-1,3-Dichloropropene | ND | 2.0 | ** | H | H | II. | | ** | |
| Toluene | ND | 2.0 | ** | ** | " | п | 11 | 71 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 11 | II | n | • |)1 | ** | |
| 1,1,2-Trichloroethane | ND | 2.0 | 11 | ıı . | II. | " | II | * | |
| Tetrachloroethene | ND | 2.0 | u | H | " | " | * | II . | |
| 1,3-Dichloropropane | ND | 2.0 | | " | •• | " | 11 | п | |
| Dibromochloromethane | ND | 2.0 | 17 | ** | Ħ | ш | ** | # | |
| 1,2-Dibromoethane | ND | 2.0 | ŧr | | ** | н | п | 11 | |
| Chlorobenzene | ND | 2.0 | 11 | ** | 11 | ** | μ | ** | |
| Ethylbenzene | ND | 2.0 | n. | п | п | 11 | 11 | н | |
| Total Xylenes | ND | 2.0 | ш | н | н | ** | ** | u u | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | #t | * | | н | *1 | " | |
| Styrene | ND | 2.0 | ** | TT | н | II. | ** | ** | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

| SB-5 (W101564-10) Water Sampled: 23-Jan-01 11:00 Received: 24-Jan-01 14:00 | 260B |
|---|------|
| Isopropylbenzene | 260B |
| Isopropylbenzene | |
| 1,1,2,2-Tetrachloroethane | |
| Bromobenzene | |
| n-Propylbenzene ND 2.0 " " " " " " " " " " " " " " " " " " " | |
| 1,2,3-Trichloropropane ND 2.0 "< | |
| 2-Chlorotoluene ND 2.0 " | |
| 1,3,5-Trimethylbenzene ND 2.0 "< | |
| 4-Chlorotoluene ND 2.0 " | |
| tert-Butylbenzene ND 2.0 """""""""""""""""""""""""""""""""""" | |
| 1,2,4-Trimethylbenzene ND 2.0 "< | |
| sec-Butylbenzene ND 2.0 " | |
| p-Isopropyltoluene ND 2.0 " " " " " 1,3-Dichlorobenzene ND 2.0 " " " " " " " " " " " " " " " " " " " | |
| 1,3-Dichlorobenzene ND 2.0 " <td></td> | |
| 1,4-Dichlorobenzene ND 2.0 " " " " n-Butylbenzene ND 2.0 " " " " " | |
| n-Butylbenzene ND 2.0 " " " " | |
| · · · · · · · · · · · · · · · · · · · | |
| | |
| 1.2-Dibromo-3-chloropropane ND 5.0 " " " " " | |
| 1,2,4-Trichlorobenzene ND 2.0 " " " " | |
| Naphthalene ND 10 " " " " " | |
| Hexachlorobutadiene ND 10 " " " " " | |
| 1,2,3-Trichlorobenzene ND 2.0 " " " " " " | · |
| Surrogate: Dibromofluoromethane 108 % 50-130 " " " " " " " " " " " " " " " " " " " | |
| Surrogate: 1.2-Dichloroethane-d4 102 % 50-150 " " " | n |
| Surrogate: Toluene-d8 105 % 50-150 " " " | |
| Surrogate: 4-Bromofluorobenzene 102 % 50-150 " " " | er . |



Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Total Purgeable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|--------|----------------|--------------------|------------|----------------|------|--|-------|
| Batch 1A30015 - EPA 5030B [MeOH] | | | | | <u> </u> | | | | <u>. </u> | |
| Blank (1A30015-BLK1) | | | | Prepared: | 30-Jan-0 | l Analyze | d: 01-Feb- | 01 | | |
| Purgeable Hydrocarbons | ND | 1.0 | mg/kg | | | · | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | |
| Toluene | ND | 0.0050 | ** | | | | | | | |
| Ethylbenzene | ND | 0,0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | *1 | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 0.632 | | " | 0.600 | | 105 | 40-140 | | | |
| LCS (1A30015-BS1) | | | | Prepared: | : 30-Jan- 0 | l Analyze | d: 01-Feb- | 01 | | |
| Benzene | 0.652 | 0.0050 | mg/kg | 0.800 | | 81.5 | 50-150 | | | |
| Toluene | 0.686 | 0.0050 | п | 0.800 | | 85.7 | 50-150 | | | |
| Ethylbenzene | 0.732 | 0.0050 | ıı | 0.800 | | 91.5 | 50-150 | | | |
| Xylenes (total) | 2.18 | 0.0050 | ** | 2.40 | | 90.8 | 50-150 | | | |
| Surrogate: a.a.a-Trifluorotoluene | 0.608 | | " | 0.600 | | 101 | 40-140 | | - | |
| Matrix Spike (1A30015-MS1) | So | ource: W1015 | 526-02 | Prepared | & Analyz | ed: 30-Jat | n-01 | | | |
| Benzene | 0.780 | 0.0050 | mg/kg | 0.800 | ND | 97.5 | 50-150 | | | |
| Toluene | 0.816 | 0.0050 | 11 | 0.800 | ND | 102 | 50-150 | | | |
| Ethylbenzene | 0.862 | 0.0050 | μ | 0.800 | ND | 108 | 50-150 | | | |
| Xylenes (total) | 2.57 | 0.0050 | ıı . | 2.40 | ND | 107 | 50-150 | | | |
| Surrogate: a, a, a-Trifluorotoluene | 0.618 | | " | 0.600 | | 103 | 40-140 | | | |
| Matrix Spike Dup (1A30015-MSD1) | Se | ource: W1015 | 526-02 | Prepared | & Analyz | ed: 30-Jai | n-01 | - | | |
| Benzene | 0.844 | 0.0050 | mg/kg | 0.800 | ND | 105 | 50-150 | 7.88 | 20 | |
| Toluene | 0.886 | 0.0050 | " | 0.800 | ND | 111 | 50-150 | 8.23 | 20 | |
| Ethylbenzene | 0.936 | 0.0050 | " | 0.800 | ND | 117 | 50-150 | 8,23 | 20 | |
| Xylenes (total) | 2.76 | 0.0050 | ıı | 2.40 | ND | 115 | 50-150 | 7.13 | 20 | |
| Surrogate: a, a, a-Trifluorotoluene | 0.660 | | " | 0.600 | | 110 | 40-140 | | | |
| | | | | | | | | | | |



Project: No Project

Project Number: ACT Project Manager: Brad Wright **Reported:** 13-Feb-01 12:57

Total Purgeable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch 1B02001 - EPA 5030B [P/T] | | | | | | | | | | |
| Blank (1B02001-BLK1) | | | _ | Prepared | & Analyz | ed: 02-Fel | 5-01 | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | | _ | | | | | |
| Benzene | ND | 0.50 | # | | | | | | | |
| Toluene | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | ш | | | | | | | |
| Xylenes (total) | ND | 0.50 | н | | | | | | | |
| Surrogate: a,a,a-Triftuorotoluene | 31.7 | | " | 30.0 | | 106 | 70-130 | | • | |
| LCS (1B02001-BS1) | | | | Prepared | & Analyz | ed: 02-Fel | p-01 | | | |
| Benzene | 16.8 | 0.50 | ug/l | 20.0 | | 84.0 | 70-130 | | | |
| Toluene | 17.4 | 0.50 | II. | 20.0 | | 87.0 | 70-130 | | | |
| Ethylbenzene | 18.6 | 0.50 | II | 20.0 | | 93.0 | 70-130 | | | |
| Xylenes (total) | 55.3 | 0.50 | и | 60.0 | | 92.2 | 70-130 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 29.1 | | " | 30.0 | | 97.0 | 70-130 | | | |
| Matrix Spike (1B02001-MS1) | Sc | urce: W1016 | 53-06 | Prepared | & Analyz | ed: 02-Fe | b-01 | | | |
| Benzene | 17.8 | 0.50 | ug/l | 20.0 | ND | 89.0 | 70-130 | | | |
| Toluene | 18.6 | 0.50 | *1 | 20.0 | ND | 93.0 | 70-130 | | | |
| Ethylbenzene | 19.7 | 0.50 | | 20.0 | ND | 98.5 | 70-130 | | | |
| Xylenes (total) | 59.4 | 0.50 | п | 60.0 | ND | 99.0 | 70-130 | | | |
| Surrogate: a, a, a-Trifluorotoluene | 30.6 | | " | 30.0 | - | 102 | 70-130 | | | |
| Matrix Spike Dup (1B02001-MSD1) | Se | ource: W1016 | 53-06 | Prepared | & Analyz | ed: 02-Fe | b-01 | | | |
| Benzene | 19.6 | 0.50 | ug/l | 20.0 | ND | 98.0 | 70-130 | 9.63 | 20 | |
| Toluene | 20.4 | 0.50 | ** | 20.0 | ND | 102 | 70-130 | 9.23 | 20 | |
| Ethylbenzene | 21.2 | 0.50 | U | 20.0 | ND | 106 | 70-130 | 7.33 | 20 | |
| Xylenes (total) | 62.8 | 0.50 | ıı | 60.0 | ND | 105 | 70-130 | 5.56 | 20 | |
| Surrogate: a, a, a-Trifluorotoluene | 34.0 | · | " | 30.0 | | 113 | 70-130 | | - | |



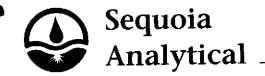
Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Total Purgeable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch 1B05001 - EPA 5030B [P/T] | | | | | | | | | | |
| Blank (1B05001-BLK1) | | | | Prepared | & Analyz | ed: 05-Feb | o-01 | | | |
| Ourgeable Hydrocarbons | ND | 50 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ** | | | | | | | |
| l'oluene | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | PP . | | | | | | | |
| Xylenes (total) | ND | 0.50 | ** | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 30.3 | | " | 30.0 | | 101 | 70-130 | | - | |
| LCS (1B05001-BS1) | | | | Prepared | & Analyz | ed: 05-Fel | o-01 | | | |
| Benzene | 16.6 | 0.50 | ug/l | 20.0 | | 83.0 | 70-130 | | | |
| l'oluene | 17.4 | 0.50 | ** | 20.0 | | 87.0 | 70-130 | | | |
| Ethylbenzene | 18.9 | 0.50 | ** | 20.0 | | 94.5 | 70-130 | | | |
| Xylenes (total) | 55.1 | 0.50 | ** | 60.0 | | 91.8 | 70-130 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 26.7 | | " | 30.0 | | 89.0 | 70-130 | | | |
| Matrix Spike (1B05001-MS1) | Sc | urce: W1016 | 47-18 | Prepared | & Analyz | ed: 05-Fel | o-01 | | | |
| Benzene | 19.8 | 0.50 | ug/l | 20.0 | 1.5 | 91.5 | 70-130 | | | |
| Toluene | 19.5 | 0.50 | н | 20.0 | ND | 97.5 | 70-130 | | | |
| Ethylbenzene | 20.2 | 0.50 | * | 20.0 | ND | 101 | 70-130 | | | |
| Xylenes (total) | 61.6 | 0.50 | 11 | 60.0 | 1.6 | 100 | 70-130 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 30.6 | | " | 30.0 | | 102 | 70-130 | | | |
| Matrix Spike Dup (1B05001-MSD1) | Se | ource: W1016 | 47-18 | Prepared | & Analyz | ed: 05-Fe | b-01 | | | |
| Benzene | 18.9 | 0.50 | ug/l | 20.0 | 1.5 | 87.0 | 70-130 | 4.65 | 20 | |
| Toluene | 18.7 | 0.50 | " | 20.0 | ND | 93.5 | 70-130 | 4.19 | 20 | |
| Ethylbenzene | 19.5 | 0.50 | ** | 20.0 | ND | 97.5 | 70-130 | 3.53 | 20 | |
| Xylenes (total) | 60.3 | 0.50 | ** | 60.0 | 1.6 | 97.8 | 70-130 | 2.13 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 29.5 | | " | 30.0 | | 98.3 | 70-130 | | | |



Project: No Project

Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Custom Extractable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|--------------------|---------------|----------------|------------------|------------|----------------|----------|--------------|-------|
| Batch 1B05012 - EPA 3510B | | | - | | | | | | | |
| Blank (1B05012-BLK1) | | | | Prepared | & Analyz | ed: 05-Feb | o-01 | <u> </u> | | |
| Stoddard Solvent (C9-C13) | ND | 50 | ug/l | | | | | | | |
| Diesel Range Hydrocarbons | ND | 50 | 17 | | | | | | | |
| Surrogate: n-Pentacosane | 27.7 | | " | 33.3 | - | 83.2 | 50-150 | · | | |
| LCS (1B05012-BS1) | | | | Prepared | & Analyz | ed: 05-Fel | o-01 | | | |
| Diesel Range Hydrocarbons | 416 | 50 | ug/l | 500 | | 83.2 | 60-140 | | | |
| Surrogate: n-Pentacosane | 29.3 | | н | 33.3 | | 88.0 | 50-150 | _ | | |
| LCS Dup (1B05012-BSD1) | | | | Prepared | & Analyz | ed: 05-Fel | o-01 | | | |
| Diesel Range Hydrocarbons | 509 | 50 | ug/l | 500 | | 102 | 60-140 | 20.1 | 50 | |
| Surrogate: n-Pentacosane | 37.3 | | н | 33.3 | | 112 | 50-150 | | | |
| Batch 1B05013 - EPA 3550A | | | | | | | | | | |
| Blank (1B05013-BLK1) | | | "- | Prepared | : 05-Feb-0 | 1 Analyze | d: 06-Feb- | 01 | | |
| Stoddard Solvent (C9-C13) | ND | 1.0 | mg/kg | - | | | | | | |
| Diesel Range Hydrocarbons | ND | 1.0 | н | | | | | | | |
| Surrogate: n-Pentacosane | 1.03 | | " | 1.11 | | 92.8 | 50-150 | | | |
| LCS (1B05013-BS1) | | | | Prepared | : 05-Feb-0 | 1 Analyze | ed: 06-Feb- | 01 | | |
| Diesel Range Hydrocarbons | 9.85 | 1.0 | mg/kg | 15.0 | | 65.7 | 60-140 | | | |
| Surrogate: n-Pentacosane | 1.27 | | ıı . | 1.11 | | 114 | 50-150 | | | |
| LCS Dup (1B05013-BSD1) | | | | Prepared | : 05-Feb-0 | 1 Analyzo | ed: 06-Feb | -01 | | |
| Diesel Range Hydrocarbons | 12.7 | 1.0 | mg/kg | 15.0 | | 84.7 | 60-140 | 25.3 | 50 | |
| Surrogate: n-Pentacosane | 1.76 | | н | 1.11 | | 159 | 50-150 | | | S |



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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501

Surrogate: n-Pentacosane

Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Custom Extractable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-----------|---------------------|------|--------------|-------|
| Batch 1B05013 - EPA 3550A | | | | | _ | | | | | |
| Matrix Spike (1B05013-MS1) | Set | arce: W1016 | 47-05 | Prepared: | 05-Feb-0 | l Analyze | d: 06-Feb- | 01 | | |
| Diesel Range Hydrocarbons | 10.1 | 1.0 | mg/kg | 15.0 | ND | 67.3 | 50-150 | | | • |
| Surrogate: n-Pentacosane | 1.28 | | " | 1.11 | - | 115 | 50-150 | • • | | |
| Matrix Spike Dup (1B05013-MSD1) | Sor | urce: W1016 | 47-05 | Prepared: | 05-Feb-0 | 1 Analyze | d: 06 -Feb - | -01 | | |
| Diesel Range Hydrocarbons | 9.52 | 1.0 | mg/kg | 15.0 | ND | 63.5 | 50-150 | 5.91 | 50 | |

1.26

1.11

114

50-150



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Hydrocarbons as Motor Oil by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|----------|--------------------|-------|----------------|---------------------|------------|----------------|------|--------------|-------|
| Batch 1B05012 - EPA 3510B | | | | | | | | | | |
| Blank (1B05012-BLK1) | | | | Prepared | & Analyz | ed: 05-Feb | 5-01 | | <u> </u> | |
| Motor Oil (C16-C36) | ND | 250 | ug/l | | | | | | | |
| Diesel Range Hydrocarbons | ND | 50 | ** | | | | | | | |
| Surrogate: n-Pentacosane | 27.7 | | n | 33.3 | | 83.2 | 50-150 | | | |
| LCS (1B05012-BS1) | | | | Prepared | & Analyz | ed: 05-Feb | o-01 | | | |
| Diesel Range Hydrocarbons | 416 | 50 | ug/l | 500 | • | 83.2 | 60-140 | | | |
| Surrogate: n-Pentacosane | 29.3 | <u> </u> | n | 33.3 | | 88.0 | 50-150 | | | |
| LCS Dup (1B05012-BSD1) | | | | Prepared | & Analyz | ed: 05-Fel | 0-01 | | | |
| Diesel Range Hydrocarbons | 509 | 50 | ug/l | 500 | | 102 | 60-140 | 20.1 | 50 | |
| Surrogate: n-Pentacosane | 37.3 | | n | 33.3 | | 112 | 50-150 | | | |
| Batch 1B05013 - EPA 3550A | | | | | | | | | | |
| Blank (1B05013-BLK1) | <u> </u> | | | Prepared | : 05-Feb-0 | 1 Analyze | d: 06-Feb- | 01 | | |
| Motor Oil (C16-C36) | ND | 10 | mg/kg | | | | . | | | |
| Diesel Range Hydrocarbons | ND | 1.0 | ** | | | | | | | |
| Surrogate: n-Pentacosane | 1.03 | | " | 1.11 | | 92.8 | 50-150 | | | |
| LCS (1B05013-BS1) | | | | Prepared | : 05 -Feb- 0 | 1 Analyze | ed: 06-Feb- | -01 | | |
| Diesel Range Hydrocarbons | 9.85 | 1.0 | mg/kg | 15.0 | | 65.7 | 60-140 | | | |
| Surrogate: n-Pentacosane | 1.27 | | " | 1.11 | | 114 | 50-150 | | | |
| LCS Dup (1B05013-BSD1) | | | | Prepared | : 05- Fe b-0 | l Analyze | ed: 06-Feb | -01 | | |
| Diesel Range Hydrocarbons | 12.7 | 1.0 | mg/kg | 15.0 | | 84.7 | 60-140 | 25.3 | 50 | |
| Surrogate: n-Pentacosane | 1.76 | | " | 1.11 | <u> </u> | 159 | 50-150 | | | S |



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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Hydrocarbons as Motor Oil by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-----------|----------------|------|--------------|-------|
| Batch 1B05013 - EPA 3550A | | | | | | | | | | |
| Matrix Spike (1B05013-MS1) | Sou | rce: W1016 | 47-05 | Prepared: | 05-Feb-0 | 1 Analyze | :d: 06-Feb- | -01 | | |
| Diesel Range Hydrocarbons | 10.1 | 1.0 | mg/kg | 15.0 | ND | 67.3 | 50-150 | | | |
| Surrogate: n-Pentacosane | 1.28 | | " | 1.11 | | 115 | 50-150 | | | • |
| Matrix Spike Dup (1B05013-MSD1) | Sou | rce: W1016 | 47-05 | Prepared | : 05-Feb-0 | 1 Analyze | d: 06-Feb | -01 | | |
| Diesel Range Hydrocarbons | 9.52 | 1.0 | mg/kg | 15.0 | ND | 63,5 | 50-150 | 5.91 | 50 | |
| Surrogate: n-Pentacosane | 1.26 | | " | 1.11 | | 114 | 50-150 | | | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Glycols by NIOSH Method 5500 (modified) - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|--------------------|--------|----------------|------------------|------------|----------------|------|--------------|--|
| Batch 1A29019 - General Prep | | | | | | <u></u> | | | | |
| Blank (1A29019-BLK1) | | | | Prepared | & Analyz | ed: 30-Jan | -01 | _ | | |
| Ethylene glycol | ND | 10 | mg/l | | | | | | | |
| LCS (1A29019-BS1) | | | | Prepared | & Analyz | ed: 30-Jan | | | | |
| Ethylene glycol | 35.4 | 10 | mg/l | 50.0 | | 70.8 | 60-140 | | | |
| LCS Dup (1A29019-BSD1) | | | | Prepared | & Analyz | ed: 30-Jar | ı - 01 | | | |
| Ethylene glycol | 45.4 | 10 | mg/l | 50.0 | | 90.8 | 60-140 | 24.8 | 50 | · |
| Matrix Spike (1A29019-MS1) | So | ource: W1015 | 29-01 | Prepared | & Analyz | ed: 30-Jar | | | | |
| Ethylene glycol | 81.0 | 10 | mg/l | 100 | ND | 81.0 | 50-150 | | | |
| Matrix Spike Dup (1A29019-MSD1) | Sc | ource: W1015 | 29-01 | Prepared | & Analyz | ed: 30-Jar | 1 - 01 | | | |
| Ethylene glycol | 108 | 10 | mg/l | 100 | ND | 108 | 50-150 | 28.6 | 50 | |
| Batch 1A30020 - General Prep Solid | | | | | | | | | | <u> </u> |
| Blank (1A30020-BLK1) | | | | Prepared | & Analyz | ed: 30-Jar | n-01 | | | |
| Ethylene glycol | ND | 10 | mg/kg | | | | | | | |
| LCS (1A30020-BS1) | | | | Prepared | l & Analyz | ed: 30-Jai | n-01 | | | <u>. </u> |
| Ethylene glycol | 44.3 | 10 | mg/kg | 50.0 | | 88.6 | 60-140 | | | |
| LCS Dup (1A30020-BSD1) | | | | Prepared | l & Analyz | ed: 30-Ja | n-01 | | | |
| Ethylene glycol | 46.7 | 10 | mg/kg | 50.0 | | 93.4 | 60-140 | 5.27 | 50 | |
| Duplicate (1A30020-DUP1) | s | ource: W1015 | 564-01 | Prepared | l & Analyz | ed: 30-Ja | n-01 | | | |
| Ethylene glycol | ND | 10 | mg/kg | | ND | | | | 200 | |



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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT Project Manager: Brad Wright Reported:

13-Feb-01 12:57

Glycols by NIOSH Method 5500 (modified) - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch 1A30020 - General Prep Solid | | | | | | _ | | | | |
| Matrix Spike (1A30020-MS1) | So | urce: W1015 | 64-01 | Prepared | & Analyz | ed: 30-Jai | n-01 | | | |
| Ethylene glycol | 77.0 | 10 | mg/kg | 50.0 | ND | 154 | 50-150 | | | Q-02 |
| Matrix Spike Dup (1A30020-MSD1) | So | urce: W1015 | 64-01 | Prepared | & Analyz | ed: 30-Jai | n-01 | | | |
| Ethylene glycol | 93.3 | 10 | mg/kg | 50.0 | ND | 187 | 50-150 | 19.1 | 50 | Q-02 |

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Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Batch 1A26017 - EPA 5030B [MeOH] | | | | | | | | | | |
| Blank (1A26017-BLK1) | | | | Prepared | & Analyz | ed: 26-Jan | -01 | 200 | | |
| Dichlorodifluoromethane | ND | 0.10 | mg/kg | | | • | | | | |
| Chloromethane | ND | 0.10 | " | | | | | | | |
| Vinyl chloride | ND | 0.10 | н | | | | | | | |
| Bromomethane | ND | 0.10 | " | | | | | | | |
| Chloroethane | ND | 0.10 | II . | | | | | | | |
| Trichlorofluoromethane | ND | 0.10 | u | | | | | | | |
| 1,I-Dichloroethene | ND | 0.10 | ** | | | | | | | |
| Methylene chloride | ND | 0.50 | ** | | | | | | | |
| Methyl tert-butyl ether | ND | 0.10 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.10 | 31 | | | | | | | |
| 1,1-Dichloroethane | ND | 0.10 | п | | | | | | | |
| 2,2-Dichloropropane | ND | 0.10 | н | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.10 | ** | | | | | | | |
| 2-Butanone | ND | 0.50 | #1 | | | | | | | |
| Bromochloromethane | ND | 0.10 | " | | | | | | | |
| Chloroform | ND | 0.10 | 11 | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.10 | u | | | | | | | |
| Carbon tetrachloride | ND | 0.10 | " | | | | | | | |
| 1,1-Dichloropropene | ND | 0.10 | 71 | | | | | | | |
| Benzene | ND | 0.10 | 17 | | | | | | | |
| 1,2-Dichloroethane | ND | 0.10 | 11 | | | | | | | |
| Trichloroethene | ND | 0.10 | II | | | | | | | |
| 1,2-Dichloropropane | ND | 0.10 | н | | | | | | | |
| Dibromomethane | ND | 0.10 | ** | | | | | | | |
| Bromodichloromethane | ND | 0.10 | н | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.10 | ** | | | | | | | |
| Toluene | ND | 0.10 | U | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.10 | tt | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.10 | ** | | | | | | | |
| Tetrachloroethene | ND | 0.10 | Ħ | | | | | | | |
| 1,3-Dichloropropane | ND | 0.10 | ** | | | | | | | |
| Dibromochloromethane | ND | 0.10 | H | | | | | | | |
| 1,2-Dibromoethane | ND | 0.10 | ш | | | | | | | |
| Chlorobenzene | ND | 0.10 | ** | | | | | | | |

Sequoia Analytical - Walnut Creek





Project: No Project

Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|----------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Batch 1A26017 - EPA 5030B [MeOH] | | | | | | | · | | | |
| Blank (1A26017-BLK1) | · | | | Prepared | & Analyz | ed: 26-Jan | ı-01 | | | |
| Ethylbenzene | ND | 0.10 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.10 | ŋ | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.10 | " | | | | | | | |
| Styrene | ND | 0.10 | Ħ | | | | | | | |
| Bromoform | ND | 0.10 | ** | | | | | | | |
| Isopropylbenzene | ND | 0.10 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.10 | ** | | | | | | | |
| Bromobenzene | ND | 0.10 | II | | | | | | | |
| n-Propylbenzene | ND | 0,10 | u | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.10 | " | | | | | | | |
| 2-Chlorotoluene | ND | 0.10 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.10 | ** | | | | | | | |
| 4-Chlorotoluene | ND | 0.10 | " | | | | | | | |
| tert-Butylbenzene | ND | 0.10 | п | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.10 | " | | | | | | | |
| sec-Butylbenzene | ND | 0.10 | ** | | | | | | | |
| p-Isopropyltoluene | ND | 0.10 | ** | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.10 | ** | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.10 | п | | | | | | | |
| n-Butylbenzene | ND | 0.10 | п | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.10 | ** | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.10 | 11 | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.10 | ** | | | | | | | |
| Naphthalene | ND | 0.50 | п | | | | | | | |
| Hexachlorobutadiene | ND | 0.10 | ш | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 0.10 | н , | | | | | | | |
| Surrogate: Dibromofluoromethane | 2.42 | | " | 2.50 | | 96.8 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.69 | | . " | 2.50 | | 108 | 50-150 | | | |
| Surrogate: Toluene-d8 | 2.60 | | <i>"</i> | 2.50 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 2.47 | | D. | 2.50 | | 98.8 | 50-150 | | | |



Project: No Project
Number: ACT

Project Number: ACT Project Manager: Brad Wright **Reported:** 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|----------|----------------|--|-------------|----------------|-------|--------------|-------|
| Batch 1A26017 - EPA 5030B [MeOH] | | | | | | | | | | |
| LCS (1A26017-BS1) | | | | Prepared: | 26-Jan-01 | l Analyze | d: 29-Jan-0 |)1 | | |
| 1.1-Dichloroethene | 3.17 | 0.10 | mg/kg | 2,50 | <u>. </u> | 127 | 65-135 | | | |
| Methyl tert-butyl ether | 2.37 | 0.10 | | 2.50 | | 94.8 | 70-130 | | | |
| Benzene | 2.91 | 0.10 | ш | 2.50 | | 116 | 70-130 | | | |
| Trichloroethene | 2.85 | 0.10 | Ħ | 2.50 | | 114 | 70-130 | | | |
| Toluene | 2.87 | 0.10 | ** | 2.50 | | 115 | 70-130 | | | |
| Chlorobenzene | 2.93 | 0.10 | ** | 2.50 | | 117 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 2.60 | | ,, | 2.50 | . | 104 | 50-150 | ***** | · | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.45 | | " | 2.50 | | 98.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 2.65 | | н | 2.50 | | 106 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 2.50 | | " | 2.50 | | 100 | 50-150 | | | |
| Matrix Spike (1A26017-MS1) | So | urce: W1016 | 05-28 | Prepared | & Analyz | ed: 26-Jar | ı-01 | | | |
| 1,1-Dichloroethene | 2.79 | 0.10 | mg/kg | 2.50 | ND | 112 | 60-140 | | | |
| Methyl tert-butyl ether | 2.38 | 0.10 | 11 | 2.50 | ND | 95.2 | 60-150 | | | |
| Benzene | 2.74 | 0.10 | п | 2.50 | ND | 110 | 60-140 | | | |
| Trichloroethene | 2.55 | 0.10 | U | 2.50 | ND | 102 | 60-140 | | | |
| Toluene | 2.21 | 0.10 | ** | 2.50 | ND | 88.4 | 60-140 | | | |
| Chlorobenzene | 2.36 | 0.10 | *1 | 2,50 | ND | 94.4 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 2.73 | | <i>"</i> | 2.50 | | 109 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.67 | | " | 2.50 | | 107 | <i>50-150</i> | | | |
| Surrogate: Toluene-d8 | 2.84 | | H | 2.50 | | 114 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 2.24 | | " | 2.50 | | 89.6 | 50-150 | | | |
| Matrix Spike Dup (1A26017-MSD1) | S | ource: W1010 | 505-28 | Prepared | & Analyz | zed: 26-Jas | n-01 | | | |
| 1,1-Dichloroethene | 3.32 | 0.10 | mg/kg | 2.50 | ND | 133 | 60-140 | 17.3 | 25 | |
| Methyl tert-butyl ether | 2.80 | 0.10 | ** | 2.50 | ND | 112 | 60-150 | 16.2 | 25 | |
| Benzene | 3.08 | 0.10 | п | 2.50 | ND | 123 | 60-140 | 11.7 | 25 | |
| Trichloroethene | 3.03 | 0.10 | п | 2.50 | ND | 121 | 60-140 | 17.2 | 25 | |
| Toluene | 2.77 | 0.10 | н | 2.50 | ND | 111 | 60-140 | 22.5 | 25 | |
| Chlorobenzene | 2.94 | 0.10 | " | 2.50 | ND | 118 | 60-140 | 21.9 | 25 | |
| Surrogate: Dibromofluoromethane | 2.71 | | ,, | 2.50 | | 108 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.67 | | " | 2.50 | | 107 | <i>50-150</i> | | | |
| Surrogate: Toluene-d8 | 2.84 | | 'n | 2.50 | | 114 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 2.28 | | ** | 2.50 | | 91.2 | 50-150 | | | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT

Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--|--------------------|----------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Batch 1A30019 - EPA 5030B [P/T] | <u>, </u> | | | | | | | | | |
| Blank (1A30019-BLK1) | | | <u> </u> | Prepared | & Analyz | ed: 30-Jan | - 01 | | | |
| Dichlorodifluoromethane | ND | 2.0 | ug/l | | | | | | | |
| Chloromethane | ND | 2.0 | U | | | | | | | |
| Vinyl chloride | ND | 2.0 | п | | | | | | | |
| Bromomethane | ND | 5.0 | н | | | | | | | |
| Chloroethane | ND | 2.0 | ** | | | | | | | |
| Trichlorofluoromethane | ND | 2.0 | ** | | | | | | | |
| 1,1-Dichloroethene | ND | 2.0 | n | | | | | | | |
| Methylene chloride | ND | 10 | ** | | | | | | | |
| Methyl tert-butyl ether | ND | 2.0 | н | | | , | | | | |
| trans-1,2-Dichloroethene | ND | 2.0 | II | | | | | | | |
| 1,1-Dichloroethane | ND | 2.0 | u | | | | | | | |
| 2,2-Dichloropropane | ND | 5.0 | н | | | | | | | |
| cis-1,2-Dichloroethene | ND | 2.0 | 17 | | | | | | | |
| Bromochloromethane | ND | 2.0 | Ħ | | | | | | | |
| Chloroform | ND | 2.0 | ** | | | | | | | |
| 1,1,1-Trichloroethane | ND | 2.0 | н | | | | | | | |
| Carbon tetrachloride | ND | 2.0 | п | | | | | | | |
| 1,1-Dichloropropene | ND | 2.0 | " | | | | | | | |
| Benzene | ND | 2.0 | ** | | | | | | | |
| 1,2-Dichloroethane | ND | 2.0 | ** | | | | | | | |
| Trichloroethene | ND | 2.0 | ** | | | | | | | |
| 1,2-Dichloropropane | ND | 2.0 | ** | | | | | | | |
| Dibromomethane | ND | 2.0 | п | | | | | | | |
| Bromodichloromethane | ND | 2.0 | и | | | | | | | |
| 2,2,5,5-Tetramethyltetrahydrofuran | ND | 2.0 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 2.0 | 11 | | | | | | | |
| Toluene | ND | 2.0 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 5.0 | 11 | | | | | | | |
| 1,1,2-Trichloroethane | ND | 2.0 | ш | | | | | | | |
| Tetrachloroethene | ND | 2.0 | II . | | | | | | | |
| 1,3-Dichloropropane | ND | 2.0 | ** | | | | | | | |
| Dibromochloromethane | ND | 2.0 | ** | | | | | | | |
| 1,2-Dibromoethane | ND | 2.0 | Ħ | | | | | | | |
| Chlorobenzene | ND | 2.0 | ** | | | | | | | |

Sequoia Analytical - Walnut Creek





Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|-------|----------------|------------------|---------------------|----------------|-----|--------------|-------|
| Batch 1A30019 - EPA 5030B [P/T] | | | | | | | | | | |
| Blank (1A30019-BLK1) | | | | Prepared | & Analyz | ed: 30 -J an | -01 | | | |
| Ethylbenzene | ND | 2.0 | ug/l | | | | | | | |
| Total Xylenes | ND | 2.0 | IJ | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ** | | | | | | | |
| Styrene | ND | 2.0 | ** | | | | | | | |
| Bromoform | ND | 2.0 | п | | | | | | | |
| Isopropylbenzene | ND | 2.0 | II . | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | U | | | | | | | |
| Bromobenzene | ND | 2.0 | ** | | | | | | | |
| n-Propylbenzene | ND | 2.0 | 11 | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | 11 | | | | | | | |
| 2-Chlorotoluene | ND | 2.0 | ** | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | " . | | | | | | | |
| 4-Chlorotoluene | ND | 2.0 | ** | | | | | | | |
| tert-Butylbenzene | ND | 2.0 | п | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | u | | | | | | | |
| sec-Butylbenzene | ND | 2.0 | ** | | | | | | | |
| p-Isopropyltoluene | ND | 2.0 | ** | | | | | | | |
| 1,3-Dichlorobenzene | ND | 2.0 | ** | | | | | | | |
| 1,4-Dichlorobenzene | ND | 2.0 | ** | | | | | | | |
| n-Butylbenzene | ND | 2.0 | 17 | | | | | | | |
| 1,2-Dichlorobenzene | ND. | 2.0 | n | | | | | | | |
| 1.2-Dibromo-3-chloropropane | ND | 5.0 | п | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | n | | | | | | | |
| Naphthalene | ND | 10 | н | | | | | | | |
| Hexachlorobutadiene | ND | 10 | •• | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | Ħ | | | | | | | |
| Surrogate: Dibromofluoromethane | 51.5 | | " | 50.0 | ·· | 103 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.7 | | " | 50.0 | | 105 | 50-150 | | | |
| Surrogate: Toluene-d8 | 52.1 | | u | 50.0 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.5 | | " | 50.0 | | 99.0 | 50-150 | | | |



Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|----------------------|--------------------|--------------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch 1A30019 - EPA 5030B [P/T] | | | | | | | | | | |
| LCS (1A30019-BS1) | | | | Prepared | & Analyz | ed: 30-Jan | -01 | | | |
| 1,1-Dichloroethene | 62.4 | 2.0 | ug/l | 50.0 | | 125 | 65-135 | | | |
| Methyl tert-butyl ether | 46.2 | 2.0 | n | 50.0 | | 92.4 | 65-135 | | | |
| Benzene | 53.7 | 2.0 | u | 50.0 | | 107 | 70-130 | | | |
| Trichloroethene | 52.8 | 2.0 | ** | 50.0 | | 106 | 70-130 | | | |
| Toluene | 49.0 | 2.0 | 11 | 50.0 | | 98.0 | 70-130 | | | |
| Chlorobenzene | 48.0 | 2.0 | ** | 50.0 | | 96.0 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 56.0 | | " | 50.0 | | 112 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | <i>53</i> , <i>7</i> | | " | 50.0 | | 107 | 50-150 | | | |
| Surrogate: Toluene-d8 | 51.4 | | rr | 50.0 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 49.0 | | " | 50.0 | | 98.0 | 50-150 | | | |
| Matrix Spike (1A30019-MS1) | So | ource: W1015 | 28-07 | Prepared | 30-Jan-0 | 1 Analyze | d: 31-Jan- | 01 | | |
| 1.1-Dichloroethene | 54.8 | 2.0 | ug/l | 50.0 | ND | 110 | 60-140 | | | |
| Methyl tert-butyl ether | 43.9 | 2.0 | n | 50.0 | ND | 87.8 | 60-140 | | | |
| Renzene | 52.0 | 2.0 | п | 50.0 | ND | 104 | 60-140 | | | |
| Trichloroethene | 51.5 | 2.0 | п | 50.0 | ND | 103 | 60-140 | | | |
| Toluene | 51.3 | 2.0 | ŧŧ | 50.0 | ND | . 103 | 60-140 | | | |
| Chlorobenzene | 49.8 | 2.0 | ** | 50.0 | ND | 99.6 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 49.8 | | | 50.0 | | 99.6 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.9 | | " | 50.0 | | 102 | 50-150 | | | |
| Surrogate: Toluene-d8 | 51.7 | | " | 50.0 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.0 | | " | 50.0 | | 100 | 50-150 | | | |
| Matrix Spike Dup (1A30019-MSD1) | S | ource: W101: | 528-07 | Prepared | & Analyz | ed: 30-Ja | n-01 | | | |
| 1,1-Dichloroethene | 65.9 | 2.0 | ug/l | 50.0 | ND | 132 | 60-140 | 18.4 | 25 | |
| Methyl tert-butyl ether | 53.3 | 2.0 | " | 50.0 | ND | 107 | 60-140 | 19.3 | 25 | |
| Benzene | 60.1 | 2.0 | n | 50.0 | ND | 120 | 60-140 | 14.5 | 25 | |
| Trichloroethene | 59,9 | 2.0 | II . | 50.0 | ND | 120 | 60-140 | 15.1 | 25 | |
| Toluene | 54.9 | 2.0 | н | 50.0 | ND | 110 | 60-140 | 6.78 | 25 | |
| Chlorobenzene | 57.8 | 2.0 | ** | 50.0 | ND | 116 | 60-140 | 14.9 | 25 | |
| Surrogate: Dibromofluoromethane | 52.4 | | " | 50.0 | | 105 | 50-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 53.2 | | " | 50.0 | | 106 | 50-150 | | | |
| Surrogate: Toluene-d8 | 51.8 | | " | 50.0 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 47.3 | | " | 50.0 | | 94.6 | 50-150 | | | |

Sequoia Analytical - Walnut Creek





404 N. Wiget Lane Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673 www.sequoialabs.com

Safety-Kleen - Alameda 2233 Santa Clara Ave. Alameda CA, 94501 Project: No Project
Project Number: ACT
Project Manager: Brad Wright

Reported: 13-Feb-01 12:57

Notes and Definitions

| D-05 | Chromatogram Pattern: Motor Oil C16-C36. |
|------|--|
| D-11 | Chromatogram Pattern: Unidentified Hydrocarbons < C16 |
| D-12 | Chromatogram Pattern: Unidentified Hydrocarbons > C16 |
| D-13 | Chromatogram Pattern: Diesel C9-C24 |
| D-14 | Chromatogram Pattern: Unidentified Hydrocarbons C9-C24 |
| D-16 | Chromatogram Pattern: Diesel C9-C24 + Unidentified Hydrocarbons < C16 |
| D-21 | Chromatogram Pattern: Stoddard Solvent C9-C13 |
| P-03 | Chromatogram Pattern: Unidentified Hydrocarbons C6-C12 |
| P-04 | Chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12 |
| Q-02 | The spike recovery for this QC sample is outside of established control limits due to sample matrix interference. |
| S-01 | The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences. |
| S-03 | The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| | |

| 2 000 datas plive " Morgan Hill, On 90001 " (100) The 0000 This (100) to 0000 |
|---|
| ☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100 |
| ELA04 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673 |
| 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342 |
| ⊔ 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612 |

| | | | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
|-------------------------|----------------------|----------------------|---------------|---------------|-------------------------|----------|----------|-----------|---------|--|---------------------------------------|---------|----------------|---------|---------------------------------------|----------|
| Company Name: Safe | ty-kleen | Cons | Jling | · | | Projec | t Name | Ac | -T | | · · · · · · · · · · · · · · · · · · · | | | WIC | 1564 | |
| 1 | 3 Santa | | | 1 | | Billing | Addres | s (if dif | ferent) | E | nimes | y Vi | 11e | | | |
| City: Alameda | State: | | | Zip Code: < | 14501 | | | | | | | | | | | |
| Telephone: 510 - 337 | | | FAX #: | | | P.O. # | - | | | | | | _ | | | - Client |
| Report To: Brad Write | | Sampler | : Bul | k Gerkin | 19 | QC D | ata: 🔼 | Level | D (Sta | ndard) | | _evel (| | Level B | B Level A | |
| Turnaround 1 10 Working |) | Working D | | 🗋 2 - 8 Hou | rs 🗀 Dri | inking W | | | | | Analy | ses F | Reques | ted | | ¥ |
| Time: | • | Working E 4 Hours | ays | | i Wa j ∡ i Ot | | Į. | 34 63 | E WA | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | Alex HIL | 103 | | | / | |
| 1 | Date/Time Sampled | Matrix Desc. | # of Cont. | Cont. Type | Sequoia's Sample # | 3 /Q | 7 | 22 0 | 2 0 | 636975 | y Mer | | | | Comments | |
| 1. SB-1 151/2-16 1/2 | 2/01/915 | Soil |] | Core | OLAZE | 4 × | . X | X | メ | | | | | | | |
| 2. SB-1 | V | W | 7 | VOA/Liter | 02 A-G | | X | X | X | | | · | | | | Seguoia |
| 3. 55-7 1/ | 122/01 | Sw | 5 | Ų. | 0 3 A-F | = × | X | | , | * | | | | | | Xellow |
| 4. 58-2 9-10' | 122/01 | i oz | <u> </u> | ره-رم م | 03A01 | | (× | X | K | | | | | | | ^ |
| 5 515-3 11'-12' | 122/01 | Soil | 2 | Core | OSA, B | } x | (| × | × | | | | | | | |
| 6. 58-4 11/42 11 | 1350 | Scil | 1 | Care | 05 A | | × | X | X | | | | | | | |
| | 122/01 | Soil | 1 | Jar | Dens | × | × | | | X. | | | | | Hold | |
| 53-8 | 23/01 | W | 5 | VOA/Liles | 07A-1 | <u> </u> | . 🗶 | ļ | | X. | | | | | | |
| 9. Trip Blank | 1/23/01 | W | 1 | VOA | 08A | <u> </u> | | ļ | ļ | | | · · · · | | | | - A |
| 10. SR-6 11 | 23/01 1140 | W | 5 | | 09A- | E) | K X | | | Χď | | - | | | | |
| Relinquished By: | half | ; | Date | 1/24/01 | Time///0 | R | eceived | Ву: | Mish. | AL. | A | | Date:// | refol | Time: /// 0 | |
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| Relinguished By: | | | Dat | e: | Time: | R | eceived | By: | 2.9 | 1000 | WC | ַ כ | 1/z 4 Date: | 7101 | Time: 14:0 | 7 |



| 1 680 C | nesapeake Drive | Redwood City, | CA 94063 • | (415) 364-9600 | FAX (415) | i 364-9233 |
|---------|-----------------|-----------------------------------|------------|----------------|-----------|------------|
|---------|-----------------|-----------------------------------|------------|----------------|-----------|------------|

- ⊔ 819 Striker Ave., Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100
- ⊔ 404 North Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673

| Mobil Oil Consulting | ; Firm: | (, | .C.L. | · klos | | ancu l | Hhre | | | | | S | Static | n Ne | o./Site | Addr | ess: | | Ac | | | Em | mary ville | |
|-----------------------------------|---------|--------------|---------------------------------------|--------------|---|--------------------|---------------------|---------------------------------------|-------------------------------------|--------------------------|--|--------------|--------------|--------------|-----------------|---|--------------------|-----|-----------------------|---------------------|--|----------|-----------------------------------|--------------------------------------|
| Mobil Oil Consulting Address: 以33 | - Can | atra C | loss | Au | <u>. </u> | Ste | # 7 | 7 | | | | F | roje | ct C | ontac | t: | | Br | Ad | | لی | نجا | mayville at WIO15 | 64 |
| City: Alamed | | <u> </u> | with w | | tate: | | | Zip: | 945 | S0 | | N | /lobil | Oil I | Engin | eer: | _ | | | | | | | |
| Tel: 5/6-33 | | - (an | | Fax.: | 51 | o -3 | | | | | | 5 | Samp | oler(s | s) (sig | natur | e): | Ca | K. | 2.(| sole | | | |
| 1ei. 3/0 33 | 1- 00 | ريعي و | | | | | | | | Si. | | | | | 6010/7000 | | : | | Waste | | 86 | | | DING ck one) |
| | | | | | tainers | Jers | 02/8020 | 5/8020 ((| dified 8015 Diesel | EPA 413 | 9.1 | | | | < 0 | | EPA 504 | | · Title 22 Haz. Waste | luent | STE MIBG | 620 | Code 1 | Emergency Response |
| e I.O. | İ | Date Sampled | | Preservation | Number of Containers | Type of Containers | - EPA 602/8020 | BTEX -TPH EPA M602/8015/8020 (GAS) | TPH EPA Modified 8015 Gas Diesel | Oil & Grease - EPA 413.2 | TPH - EPA 418.1 | EPA 601/8010 | EPA 624/8240 | EPA 625/8270 | Title 22 Metals | Lead Org./DHS | EDB/DBCD - EPA 504 | | Bioassay - Tit | Bioassay - Effluent | \$260 B | 8015 (| Code 2 🔀 | Site Assessment |
| Sample I.D. | Matrix | | Time | | — | | втех | i | | Oil & | ТРН | EPA | EPA | EPA | Title T.C | Lead | EDB | 표 | Bioa | Bioa | | X | Code 3 | Remediation (Plan Devlpmt.) |
| SB-5 | W | 1/23/01 | 1100 | HCL | 3 | VOA | 10 |) A- | ے- | | | | | | | | | | | | X | | Code 4 | Active Remed. (Install./Start-up) |
| | | | | | | | | | | | | | | | | | | | | | | | Code 5 | Active Remed. (O & M) |
| | | | - | | | | <u> </u> | | | | <u> </u> | | <u> </u> | | | <u></u> | _ | | | <u> </u> | - | <u> </u> | Code 6 | Passive Remed/ Monitoring |
| | | | | | | | | - | | | | | | | | | | | | | | | Code 7 | Closure |
| 1 | | | | | | | | | | _ | | | | | <u> </u> | | - | | - | | | | Code 8 | Construction |
| | | | | | | | - | | - | | - | | - | | | | - | - | | - | | - | Code 9 | Litigation/Claims Fines |
| Relinquished by: | ııl | K | | 124/6 | 1 21 | Date/Tir | me: (<i>O</i> | | Recei | ved by | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 1/1 | 6 | 1 | Sea | <u>, </u> | | 1/2 | 14/0 | Date | ////////////////////////////////////// | | Turnaround Time: Normal X 1 day | (check one): Same day |
| Relinquished by: | adel | 6/1 | · · · · · · · · · · · · · · · · · · · | | 241 | Date/Ti | me: 600 | | Recei | ved b | y: | 24 | 16 | 7 2 Ja | E1 | we | 17 | 1/2 | 2 <u>91</u> | Date O I | e/Time: 14 e/Time: | :00 | 1 day 5 day | 2 day |
| Relinquished by: | · | | | | | Date/Ti | me: | <u> </u> | necer | ved in | LAD | .y. | <u>-</u> | | | | | | | | | | Sample Integrity: | On Ice |

APPENDIX D

GROUNDWATER MONITORING CHAIN-OF-CUSTODY DOCUMENTATION FIELD DATA SHEETS CERTIFIED ANALYTICAL REPORTS

Chain of Custody Record



| QUA-4124 0797 | | Project Mana | | | | _ | | | | | | _ | | | Date | 9 | | | | CI | ain of Custody | Number | |
|--|-----------|----------------------|--------------|--------|----------|----------------------|--------------|-----------------|-----------------|---------------|----------|--|--|----------|--|--------------|----------|-----------|----------|----------|----------------|--------------|-----------------|
| Client (A) (C) A) S. II T. I. A | أ | Project Mani | ager ∖\ ı | 0 | 10 | ıT | | | | • | | | | | | 3/ | 21/ | 101 | · | | ain of Custody | <u> </u> | <u> 5040</u> |
| SAFETY KLEEN CONSULTIN | 7-1 | Telephone N | lumbei | (Area | Code | /Fax I | Vumbe | er | | | | | | | Lab | Numb | er | | | - | 1 | | 2_ |
| 2722 SANTA CLARA AVE. : | # フ | 5 1(Site Contact |) – (| 337 | -8 | 66 | D. | | | | | | | | ــــــــــــــــــــــــــــــــــــــ | | | | | P | age | of _ | <u></u> |
| City Since 1 - F | 1 | Site Contact | 1 | | - 1 | Lab Co | ontact | | 4.4 | , | ľ | | | | | (Atta | | | | |] | | |
| ALAMEDA CA 9450 |) | | | | | 150 | NN | 16 | Μ | <u> </u> | _ _ | П | T | | | | | | 丁 | | | | |
| Project Name | | Carrier/Way | bill Nu | mber | | | | | | | | | | 1 1 | | | | | | | Snacia | Instruc | tions/ |
| AC TRANSIT EMERYJILLE Contract/Purchase Order/Quote No. | | | <u> </u> | | | | | | | | \dashv | 1 | | | | | | | - | | Condition | ons of R | eceipt |
| Contract/Purchase Order/Quote No. | | | , | Vatrix | · | | Cor Pres | itaine serva | ers & itives | ; S | - | 4 | И | 1 1 | | | | | | | | | |
| 712551 | | | 9 | \top | 1 | 8 8 | ξ (g | | Ŧ | 3 I | | ZI, | ð | | | | | | | | | | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Auth | So So | | Unpres | HNOS | ΤĊ | NaO | ZnAc/ NaOH | 1 | 202 | <u> </u> | | | <u> </u> | <u> </u> | \dashv | _ | | | | 1 |
| TRIP BLANK 3/ | 120/01 | 0930 | X | | 1_ | X | | X | \bigsqcup | | _ 2 | XL, | <u>X</u> _ | <u> </u> | _ | - | | | \dashv | 4- | GAS/6 | STEX, | MTBE OTOR OI |
| W-3 | 1 | 1050 | Ш | ┵ | | Ш. | | 11 | | | | $\!$ | _ | 44 | _ - | | _ | | | + | DIESE | 1_/M | otol o |
| W-1 | | 1130 | | | | Ц | <u> </u> | Ц | | 1 | | \parallel | _ | | | _ | <u> </u> | \sqcup | 4 | \perp | | | |
| MW-7 | | 1245 | Ш | 丄 | | Ш | <u> </u> | \coprod | | | | Щ | Щ | | \perp | _ | ╀ | | | - | | | |
| MW-8 | | 1330 | | | | 11 | | Щ | | | _ | 1 | Ш | _ | | | ╁ | | _ | | | | |
| MW-9 | | 1415 | Ш | | | $\perp \!\!\! \perp$ | | \coprod | | | | Щ | Ш | _ _ | | | \perp | _ | | _ | | | |
| MW-5 | 1 | 1500 | | | | Ш | _ | \coprod | | | | Ц | Ш | _ | | <u> </u> | _ | | _ | \bot | | | |
| MW-4 3 | 121/01 | 0840 | Ш | | | | | Ш | | | _ | 11 | \coprod | _ | | | - | \sqcup | _ | _ _ | | | |
| MW-3 | | 0850 | | | <u> </u> | | | Ц | | | \dashv | Ц | $\!$ | _ | | 4- | 4 | | \dashv | + | <u> </u> | | |
| 1-WM | | 0915 | Ш | | | | | \coprod | L | \sqcup | 4 | \coprod | 11- | _ | | _ | 4_ | | | | ļ | | |
| MW-Z | | 0940 | | | | | | Ш | _ | | | Ш | \parallel | | \sqcup | \downarrow | _ | \square | _ | _ | <u> </u> | | |
| MW-10 | | 1015 | <u> ↓ </u> | | 1_ | 1 | | \downarrow | <u>.</u> | <u> </u> | | V | V | | 1 1 | | | | | <u> </u> | | | |
| Possible Hazard Identification | _ | | Sample | | | | oi | | | | | 4 la 2 | Fa | | | Month: | (A | lee m | ay be | asses | sed if samples | are retaine | ed . |
| Non-Hazard Flammable Skin Irritant Pois | son B | Unknown | ⊔ Re | tum T | o Clien | 1 L | Dis OC Re | posai equire | meni | ad Is (Spe | | | VU FD | | | WICH ID A | 3 701 | iger ii | IEIT O | 110110 | | | |
| Turn Around Time Required | ¥ 21 Down | Other_ | | | | 1 | | - | | AR | | | | | | | | | | | | | <u></u> |
| 24 Hours 48 Hours 7 Days 14 Days 5 | A Zi Days | Date / | | Time | e | = | 1. Red | | | <u> </u> | | | | | | | | | | | Date | Time |) |
| BYANY MANSON | | 3/21 | 101 | | 141 | 5 | | | | | | | | | | | | | _ | | | | |
| 2. Relinquished By | | Date | | Tim | ₽ | | 2. Re | ceived | і Ву | | | | | | | | | | | | Date | Time | , |
| 3. Relinquished By | <u> </u> | Date | | Tim | 0 | | 3. Re | ceive | і Ву | | · | | | | | | | | | | Date | Time | 9 |
| | | | | | | ı | | | | | | | | | | | | | | | | | |

Chain of Custody Record



| SAFLETT - KLEEN CONSILET N (1 SLEET SAFLETT - KLEEN CONSILET N (2 SLEET SAFLETT - KLEEN CONSILET N (2 SLEET | |
|--|-------------|
| City State Zip Code Site Contact Lab Contact Manalysis (Attach list if more space is needed) Project Name AC TRANSIT & MARMY VILL & Contact/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time Site Contact Lab Contact Lab Contact Lab Contact Lab Contact Lab Contact Analysis (Attach list if more space is needed) Special Instruction Conditions of Recommendation on the line of the second sample in the second sample may be combined on one line of | <u> </u> |
| City State Zip Code Site Contact Lab Contact So No 16. M Project Name Analysis (Attach list if more space is needed) Analysis (Attach list if more space is needed) Special Instruction Conditions of Recommendation on the line) Special Instruction Conditions of Recommendation on the line of | 2 |
| Project Name ACTIANSIT LEMARM VILLE Contract/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time Special Instruction Containers & Preservatives NA Special Instruction Conditions of Record Conditions of Record AN Special Instruction Conditions of Record Conditions of Record AN Sample I.D. No. and Description (Containers for each sample may be combined on one line) AN Special Instruction Conditions of Record AN Special Instruction Conditions o | |
| Project Name ACTIANSIT LEMARM VILLE Contract/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time Special Instruction Containers & Preservatives NA Special Instruction Conditions of Record Conditions of Record AN Special Instruction Conditions of Record Conditions of Record AN Sample I.D. No. and Description (Containers for each sample may be combined on one line) AN Special Instruction Conditions of Record AN Special Instruction Conditions o | |
| Contract/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time Special instruction Containers & Preservatives Natrix Natrix Natrix Containers & Preservatives Natrix Natri | |
| Contract/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time Special instruction Containers & Preservatives Natrix Natrix Natrix Containers & Preservatives Natrix Natri | / |
| Contract/Purchase Order/Quote No. Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time So So So So So So So S | 15/ aint |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time So | ·· |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time So | |
| W-4 3/21/01 1100 X X X X X X X X X X X X X X X X | |
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| MW-6 | ווכי גימו |
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| Sample Disposal (A lee may be assessed if samples are retained | |
| Possible riazard identification | |
| Non-Hazard Flammable Skill Illineal Tribidity Constitution Constitution | |
| Tum Around Time Required | |
| 24 Hours 48 Hours 7 Days 14 Days 21 Days Other 7 Date Time 1. Received By | |
| [3-71-91] | |
| 13-21-01 1. Salar Time 2. Received By Date Time Date Time | |
| | |
| 3. Relinquished By Date Time 3. Received By Date Time | |
| | |
| Comments | |
| Clinate The College Phill Field Conv. | |

DEPTH TO WATER

DATE: 3-20-01

| PROJEC | T <u>AC Transit Emeryvill</u> | Ē | EVENT | Quarterly | | TECHNICIAN BA |
|--------|-------------------------------|---------|-------|-------------|------|---------------|
| NO. | WELL OR LOCATION | DATE | ТІМЕ | MEASUREMENT | CODE | COMMENTS |
| 1 | MW-1 | 3/20/01 | 1000 | 4.22 | | |
| 2 | MW-2 | | 1001 | 3.91 | | |
| 3 | MW-3 | | 0962 | 5.18 | | |
| 4 . | MW-4 | | 0954 | 5.46 | | |
| 5 | MW-5 | | 1002 | 3.68 | | |
| 6 | MW-6 | | 1013 | 3.16 | | |
| 7 | MW-7_ | | 0936 | 4.83 | | |
| 8 | MW-8 | | 0137 | 4.70 | | |
| 9 | MW-9 | | 0938 | 3.92 | | |
| 10 | MW-10 | | 0940 | 9.23 | | |
| 11 | W-1 | | 1006 | 5.16 | | |
| -12 | W/ 2 | | | | | ABAADONED |
| 13 | W-3 | | 0930 | 5.70 | | |
| 14 | W-4 | 1 | 0949 | 3.75 | | |
| | | | | | | |

CODES: SWL - Static Water Level

OIL - Oil Level

OWI - Oil/Water Interface

MTD - Measured Total Depth

| ng Diameter (i I Well Depth (i | M: 29.42 | San San | ject Number: 3 npie Date: 3/ npie ID: W -3 | 20/01 | | |
|--|--|---|---|--|--|--------------------|
| |), before purgin | 19: 5.70 | | | | - |
| elopment Meth Baile | | onStain | iess Steel | PVC | _ ABS Plastic | |
| | | icated Submersit -Dedicated Subm | | | Bladder Pum | p |
| Time | pH | Conduct. (umho/cm) | Temp. | Water Level (to 0.01 ft) | Cum. Voi. (gai) | Pump Rate (GPM) |
| 1029 | 6.92 | 704 | 27.9 | 9.79 | 23 | 0.52 |
| 1037 | 6.94 | 668 | 24.8 | 9.72 | 6 | 1 |
| 1043 | 6.89 | 660 | 24.6 | 11.03 | 9 | V |
| | | | | | | |
| ting Length in the X = 1 Well DTE: 3 to 5 W | Pt - Depth to W Volume in gal/ Vell Casing Volu | = 21.42 - 5.70 later in Ft) x X x Ift, X = 0.165 for the common required priors were removed | 3 or 2 in. wel ls,) or to sample c | × .165 = 3.9/ C = 0.37 for 3 in ollection. | | lgallone |
| ting Length in the X = 1 Well DTE: 3 to 5 Well bast 3 well well by the Collection | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: | later in Ft) $x X x$ Ift, $X = 0.165$ for imas required princes were removed | 3 or 2 in. wells,) or to sample co prior to sampli | × .165 = 3.9/ K = 0.37 for 3 in collection. | x 3 = 1/.) | lgallone |
| sing Length in the X = 1 Well DTE: 3 to 5 Well east well uple Collection Baile | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Teffe | ater in Ft) x X x ft, X = 0.165 fc imes required pri s were removed on Stain | 3 or 2 in. weils,) or to sample co prior to sampli less Steel | × .165 = 3.9/ C = 0.37 for 3 in ollection. | x 3 = 1(.) . weils, X = 0. _ ABS Plastic | .65 for 4 in. v |
| ting Length in the X = 1 Well DTE: 3 to 5 Well bast 3 well well by the Collection | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Tefic | later in Ft) $x X x$ Ift, $X = 0.165$ for imas required princes were removed | 3 or 2 in. weils,) or to sample co prior to sampli less Steel | × .165 = 3.9/ K = 0.37 for 3 in collection. | x 3 = 1/.) | .65 for 4 in. v |
| sing Length in there X = 1 Well DTE: 3 to 5 Well east well uple Collection Baile Pum | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Tefform Non- | Ater in Ft) x X x Ift, X = 0.165 for Imes required pri s were removed onStainli icated Submersib | 3 or 2 in. wells,) or to sample of prior to sampli less Steel lie Pump lersible Pump | × .165 = 3.9/ K = 0.37 for 3 in ollection. ng. | x 3 = 1(.) . weils, X = 0. _ ABS Plastic | .65 for 4 in. v |
| sing Length in there X = 1 Well DTE: 3 to 5 Well east well uple Collection Baile Pum | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Tefform Non- | Ater in Ft) x X x Ift, X = 0.165 for Imes required pri s were removed onStain icated Submersib Dedicated Subm Field Blank, Rins | 3 or 2 in. wells,) or to sample of prior to sampli less Steel lie Pump lersible Pump | × .165 = 3.9/ K = 0.37 for 3 in ollection. ng. | x 3 = 1(.) . weils, X = 0. _ ABS Plastic | .65 for 4 in. v |
| sing Length in the X = 1 Well OTE: 3 to 5 Well opin Collection Baile Pump | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Ded p: Ded any (Duplicate) TAIR f | rater in Ft) x X x ft, X = 0.165 fc imes required pri s were removed on Stain icated Submersib Dedicated Subm Field Blank, Rins | 3 or 2 in. weils,) or to sample of prior to sampli less Steel less Steel lersible Pump sersible Pump | × .165 = 3.9/ K = 0.37 for 3 in ollection. ng. | x 3 = 11. n. weils, X = 0. ABS Plastic Bladder Pump | .65 for 4 in. v |
| sing Length in the East 1 Well DTE: 3 to 5 Well pile Collection | Pt - Depth to W Volume in gal/ /ell Casing Volume casing volume Method: r: Ded p: Ded any (Duplicate) TAIR f | Atter in Ft) x X x Ift, X = 0.165 for Imes required pri s were removed Don Stain icated Submersib Dedicated Subm Field Blank, Rins SUPNE | 3 or 2 in. weils,) or to sample of prior to sampli less Steel less Steel lersible Pump sersible Pump | × .165 = 3.9/ C = 0.37 for 3 in ollection. ng. PVC | x 3 = 11. n. weils, X = 0. ABS Plastic Bladder Pump | .65 for 4 in. v |

Sample Collection Method: Tefion Stainless Steel PVC **Dedicated Submersible Pump** Non-Dedicated Submersible Pump QA/QC Samples if any (Duplicate, Field Blank, Rinse Blank, etc.): TRIP BLANK CENT. Parameter Collected: 8021 8015 Sample Appearance OVA Reading (ppm) Suspended Solids (describe): Decontamination Performed: WASHED / RINSED SOUNDERS/MET Comments / Calculations: START : 1025 STOP : 1048 SAMPLE : 1050 Rach & 11 ... _ 7-70-01

| | | | * * * * | | | Weil ID: | W-1 |
|---|---|---|--|---|--|--|---------------------|
| roject l asing l otal W lepth to | Name: AC Diameter (in /eli Depth (ft o Water (ft), | 712ANS. EME N: 2 " N: 16.43 , before purgin | Proj San San San | ject Number: 3/ npie Date: 3/ npie ID: W- | 792551 20/01 | | |
| | oment Metho | od: NA | | | | 400 5 | |
| • | Pump: | | on Stain! | le Pumn | PVC | _ ABS Plastic _ Bladder Pum | p |
| | Time | pH | Conduct. | Temp. | Water Level | Cum. Voi. | Pump Flate (GPM) |
| - | 1117 | 6.74 | 917 | (Celsius) | (to 0.01 ft) | (gai) 1. 5 | 0.6 |
| _ | 1511 | 6.79 | 938 | <u>7,4.8</u> 25.4 | 7.28 | 30 | 1 |
| _ | 123 | 6.75 | 929 | Z5.1 | 7.59 | 50 | |
| | | 7 | | 23.1 | 1 / | | |
| | | | | | | | |
| | | | | | 77-41 | VOL: 60 | |
| asing i here X NOTE: | Length in Pt | - Depth to Wa /olume in gal/f Il Casing Volum | ter in Ft) $\times X \times 3$ t, $X = 0.165$ for mes required prior | 2 in. wells, X r to sample co | = 0.37 for 3 in. ilection. | | |
| asing I here X NOTE: least | Length in Ft C = 1 Well V 3 to 5 Well Well c Collection M | - Depth to Wa /olume in gal/f Il Casing Volumes asing volumes ethod: Teflor | iter in Ft) x X x 3 it, X = 0.165 for mes required prior were removed p Stainle | 2 in. wells, X r to sample co | = 0.37 for 3 in. ilection. g. | weils, X = 0. | 65 for 4 in. w |
| asing interest NOTE: tleast ample (| Length in Pt C = 1 Well V 3 to 5 We Well c Collection M Bailer: Pump: | - Depth to Wa /olume in gal/f Il Casing Volumes asing volumes ethod: Dedic | iter in Ft) x X x 3 it, X = 0.165 for mes required prior were removed p | 2 in. wells, X r to sample col rior to samplin ss Steel Pump rsible Pump | = 0.37 for 3 in. ilection. g. | wells, X = 0. ABS Plastic | 65 for 4 in. w |
| here X NOTE: Heast Hample (| Length in Pt = 1 Well V = 3 to 5 We Collection M Bailer: Pump: Pump: Samples if an er Collected: Appearance OVA R | - Depth to Wa /olume in gal/f Il Casing Volumes asing volumes ethod: Dedic | ter in Ft) x X x 3 t, X = 0.165 for mes required prior were removed p Stainle sated Submersible Dedicated Submer Field Blank, Rinse | 2 in. wells, X r to sample collinate to samplin ss Steel Pump rsible Pump | = 0.37 for 3 in. ilection. g. | wells, X = 0. ABS Plastic Bladder Pump | 65 for 4 in. w |
| A/QC Sample A | Length in Pt = 1 Well V = 3 to 5 We Collection M Bailer: Pump: Pump: Samples if an er Collected: Appearance OVA R | - Depth to Wa /olume in gal/f Il Casing Volumea sasing volumea ethod: Dedic Dedic Non-f my (Duplicate, in the solids (defined | ter in Ft) x X x 3 t, X = 0.165 for mes required prior were removed p Stainle sated Submersible Dedicated Submer Field Blank, Rinse | 2 in. wells, X r to sample collinate to samplin ss Steel Pump rsible Pump | = 0.37 for 3 in. ilection. g. PVC | wells, X = 0. ABS Plastic Bladder Pump | 65 far 4 in. w |
| A/QC Saramete | Length in Pt = 1 Well V = 3 to 5 We Collection M Bailer: Pump: Pump: Samples if and er Collected: Appearance OVA R Suspen | - Depth to Wa /olume in gal/f Il Casing Volumes sasing volumes sethod: Dedic Dedic Non-(my (Duplicate,) seading (ppm) nded Solids (deformed: | ter in Ft) x X x 3 t, X = 0.165 for mes required prior were removed p Stainle sated Submersible Dedicated Submer Field Blank, Rinse | 2 in. wells, X r to sample collinate to samplin ss Steel Pump rsible Pump | = 0.37 for 3 in. ilection. g. PVC | wells, X = 0. ABS Plastic Bladder Pump | 65 far 4 in. w |

Binda A Ham

9/20/01

| Cas | ect Name: AC ing Diameter (ir al Weil Depth (f th to Water (ft) | り: 2" | MEAYVILLE <mark>Proj</mark> San San G:4:93 | ject Number: nple Date: nple ID: MW - | | | |
|-------|--|----------------------|--|---|-------------|-----------------------------|--------------------|
| | elopment Meth | od: NA | on Stain! | ess Steel | PVC | _ ABS Plastic | - |
| | Pump | : Dedi Non- | cated Submersib Dedicated Subm | ie Pump ersible Pump | | _ Bladder Pum | P |
| | Time | pH | Conduct. | Temp. (Celsius) | Water Level | Cum. Vol. | Pump Rate (GPM) |
| | 1200 | 6.66 | 1013 | 28.3 | 3.93 | 3 | 0.19 |
| | 1224 | 6-69 | 1079 | 32.6 | 14.39 | 6 | |
| | 1230 | 6.63 | 1036 | 32.1 | | 9 | y |
| Ì | | | | | | | |
| L | | | = (24.53 - 4.8 iter in Ft) x X x 3 | | TOTAL | 1.>10 | |
| Sam | ple Collection M Bailer: Pump: | lethod: Teflor Dedic | were removed p Stainle ated Submersible Jedicated Submers | ss Steel Pump rsible Pump | | ABS Plastic Bladder Pump | |
| Parai | meter Collected: | | Reid Blank, Rinse | Blank, etc.): | CENT PUR | np 70 | pur6e_ |
| | Susper | ndeci Solids (de | scribe): | | | | • |
| Deco | ntamination Per | | 4 | | | | |
| | | W/R | 5/m. | | | | |
| Com | ments / Calculat | STV STO SAN | 9RT: 1147 P: 1239 1PLE: 1245 | i B | | | |

Weil ID: MW-7

| ect Name: AC | | • • • | | | Weil ID: | 1.44. |
|--|--|---|---|---------------------|--------------------|--------------------|
| ng Diameter (in i Well Depth (f in to Water (ft) | 744,05 - 6. n): 2" n): 20.67 1, before purgi | MEAYVILLE Pro San San | ject Number: nple Date: nple ID: _{MW} -9 | 792551 _. | | _ |
| elopment Meth | od: NA | on Stain | | | _ ABS Plastic | - |
| Pump | o: Ded | icated Submersib -Dedicated Subm | ile Pumn | | _ Bladder Pum | p |
| Time | pH | Conduct. | Temp. (Celsius) | Water Level | Cum. Vol. (gail | Pump Rati (GPM) |
| 1305 | 6.80 | 1/32 | 27.9 | 7.23 | 2.5 | 0.27 |
| 312 | 6.82 | (144 | 27.0 | 8.3 | 5.0 | |
| 13 20 | 6.78 | 1143 | 27.5 | 9.56 | 7.5 | V |
| | | | | | | |
| | | 1 | | Draw! | PUA660:8 | |
| | <u></u> | - 60.67 - 4.7 | 2.2 | 10146 | (1) m 2 : 2 | A . |
| × Bailer | : Tefic | n Stainle | ess Steel | DA/C | ABS Plastic | |
| 4 | | | | | - | |
| Pump | : Dedi | cated Submersible Dedicated Subme | e Pump ersible Pump | | Bladder Pump | r |
| Ритр | : Dedi | cated Submersible | ersible Pump | | - | ı |
| Pump C Samples if a | Dedi Non- Non- any (Duplicate, | cated Submersibi Dedicated Subme Field Blank, Rinst | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a | Dedi Non- any (Duplicate, | cated Submersibi Dedicated Subme Field Blank, Rinst | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a | Dedi Non- any (Duplicate, | cated Submersible Dedicated Subme Field Blank, Rinse 015 | ersible Pump e Blank, etc.): | NT PUMP | Bladder Pump | |
| Pump C Samples if a | Dedi Non- any (Duplicate, | cated Submersible Dedicated Subme Field Blank, Rinse 015 | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a second control of the control | Dedi Non- i: 8021 / 8 Reading (ppm) ended Solids (d | cated Submersible Dedicated Subme Field Blank, Rinse 015 | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a second content of the content | Dedi Non- i: 8021 / 8 Reading (ppm) ended Solids (d | cated Submersible Dedicated Subme Field Blank, Rinse 015 | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a neter Collected ple Appearance | Deding Non- i: 8021 / 8 Reading (ppm) ended Solids (deformed: | Cated Submersible Dedicated Submersible Field Blank, Rinse 0.15^{-1} escribe): | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a second content Collected on the Appearance OVA (Content Collected | Deding Non- i: 8021 / 8 Reading (ppm) ended Solids (deformed: | Cated Submersible Dedicated Submersible Field Blank, Rinse 0.15^{-1} escribe): | ersible Pump e Blank, etc.): | | Bladder Pump | |
| Pump C Samples if a second content Collected one Appearance OVA (Suspendentamination Period Content | Dedinany (Duplicate, i: 8021 / 8 Reading (ppm) anded Solids (deformed: W/P | Cated Submersible Dedicated Submersible Dedicated Submersible Signal Blank, Rinse D15 escribel: 5/w 5706 | e Blank, etc.): (6) | | Bladder Pump | |
| Pump C Samples if a neter Collected ie Appearance OVA (Suspentamination Pe | Dedinany (Duplicate, i: 8021 / 8 Reading (ppm) anded Solids (derformed: W/ Partions: | Cated Submersible Dedicated Submersible Field Blank, Rinse 0.15^{-1} escribe): | 1255 1325 | | Bladder Pump | |

| | | • • | | | Weil ID: | <u> Mw-9</u> |
|---|---|---------------------------------------|---|-----------------------|-------------------------------|--------------------|
| Project Name: AC Casing Diameter (Total Well Depth (Depth to Water (fi | in): て。 (ft): 20.52 | San San | ject Number: ople Date: 3.2 ople ID: MW | 792551 10-01 -9 | | |
| evelopment Meti | hod: NA | - | | | | - |
| | | onStain! | | PVC | _ ABS Plastic | |
| Pum | p: Ded Non | icated Submersib -Dedicated Subm | ie Pump ersibie Pump | | Bladder Purr | d |
| Time | pH | Conduct. | Temp. (Celsius) | Water Level | Cum. Vol. | Pump Rate (GPM) |
| (350 | 6.81 | 1160 | Z6-0 | (to 0.01 ft) | (gal) 2.5 | 0.34 |
| 1358 | 6.70 | 1168 | 26.3 | 8.12 | 5.0 | 1 |
| 1405 | 6.68 | 166 | 26.2 | 9.23 | 7.5 | 1 |
| | | | | | | |
| | | | | | | |
| | | - (20.52 - 3 | | TOTAL | V = 8.5 | |
| Baile | p: Dedi | Stainle | Pumo | PVC | _ABS Plastic _Bladder Pump | , |
| VQC Samples if | | Dedicated Subme Field Blank, Rinse | • | | | |
| | | | | | | |
| rameter Collecte | d: 8015 /8 | P021 | | CENT PUM | P 70 PC | UPGE |
| mpie Appearance OVA | | | | CENT PUM | P TO PO | UFGE |
| | e Reading (ppm) ended Solids (d | | | CENT PUM | P 70 P | UF66_ ~ |
| Imple Appearance OVA Susp | e Reading (ppm) ended Solids (d erformed: | | | CENT PUM | P 70 P | UF66_ ~ |
| Imple Appearance OVA Susp | e Reading (ppm) ended Solids (d erformed: W//}_ | escribe): S/m | | CENT PUM | P 70 P | UP-66_ ~ |
| mple Appearance OVA Suspectontamination Po | e Reading (ppm) ended Solids (d erformed: W//}_ | escribe): S/m STAR | T 1345 | CENT PUM | P 70 P | UF66 *** |
| mple Appearance OVA Suspectontamination Po | e Reading (ppm) ended Solids (d erformed: W//}_ | escribe): S/m STAR- STOP | -1345 1410 | CENT PUM | P 70 P | UF66. |
| mple Appearance OVA Suspicontamination Po | e Reading (ppm) ended Solids (d erformed: W//}_ | escribe): S/m STAR- STOP | T 1345 | CENT PUM | P 70 P | UF66. |

| epth to Water (ft), | : 2" : 19,49 before purgin | San San San G:710 | ject Number: nple Date: 3- nple ID: _{MW-} | 20-01 | | |
|---|--|---|--|-------------|-----------------------------|--------------------|
| evelopment Method Bailer: | i: NA |) | ess Steel | PVC | ABS Plastic | - |
| Pump: | Dedic | cated Submersib Dedicated Subm | ie Pumn | | Bladder Pum | p |
| Time | pH | Conduct. (umho/cm) | Temp. (Celsius) | Water Level | Cum. Vol. (gai) | Pump Rate (GPM) |
| 1441 | 6.90 | 752 | 25.0 | 5.58 | 2.5 | 0.53 |
| 1445 | 691 | 713 | 25.2 | 6.32 | 50 | |
| 1448 | 6.91 | 711 | 25.1 | 6.12 | 7.5 | 4 |
| | | | | | | |
| ļ | | | | | | |
| ater Volume to be i | | | | TOTAL | V = 8 | |
| | | were removed p | nior to samplin | g. | | |
| mple Collection Me | nthod:Teflor | Stainle | ss Steel | _PVC | ABS Plastic Bladder Pump | |
| mple Collection Me | rthod: Teflor Dedica | Stainle Stainle Stainle Stainle Stainle | ss Steel Pump rsible Pump | _PVC | | |
| mple Collection Me Bailer: Pump: A/QC Samples if any rameter Collected: mple Appearance OVA Re | Teflor Dedicate, F | Stainle ated Submersible Dedicated Submer Field Blank, Rinse | ss Steel Pump rsible Pump s Blank, etc.): | _PVC | Bladder Pump | |
| mple Collection Me Bailer: Pump: A/QC Samples if any rameter Collected: mple Appearance OVA Re | POZI / 80 Juding (ppm) ded Solids (des | Stainle ated Submersible Dedicated Submer Field Blank, Rinse | ss Steel Pump rsible Pump s Blank, etc.): | _PVC | Bladder Pump | |
| mple Collection Me Bailer: Pump: //OC Samples if any rameter Collected: mple Appearance OVA Re OVA Re | SOZI / SO Jading (ppm) ded Solids (desormed: | Stainle ated Submersible Dedicated Submer Field Blank, Rinse | ss Steel Pump rsible Pump s Blank, etc.): | _PVC | Bladder Pump | |
| mple Collection Me Bailer: Pump: A/QC Samples if any rameter Collected: mple Appearance OVA Re OVA Re | SOZI / SO sading (ppm) ded Solids (desormed: | Stainle ated Submersible Dedicated Submersible Stainle | ss Steel Pump rsible Pump s Blank, etc.): | _PVC | Bladder Pump | |
| mple Collection Me Bailer: Pump: A/QC Samples if am rameter Collected: mple Appearance OVA Re OVA Re Suspend contamination Perfe | SOZI / SO sading (ppm) ded Solids (desormed: | Stainle ated Submersible Dedicated Submersible Staink, Rinse Stainle Stainle Stainle Stainle Stainle Stainle Stainle | e Pump rsible Pump e Blank, etc.): | _PVC | Bladder Pump | |

7-10-01

12 ... / 1/2 ...

Weil ID: MW-5

| - | | • • • | | | Weil ID: | MW-Y |
|---|---|---|---|--------------------|-----------------------------|--------------------|
| Project Name: AC Casing Diameter (i Fotal Well Depth (i Depth to Water (ft | ft): 14.95 | Sar Ser | nject Number: nple Date: 3/ nple ID: MW - | /a . / | | |
| evelopment Meth | nod: NA r: Tefi | on Stain | iess Steel | PVC | ABS Plastic | - |
| Pum | p: Ded | icated Submersib -Dedicated Subm | ila Bu- | | Bladder Pum | p |
| Time | pH | Conduct. | Temp. (Celsius) | Water Level | Cum. Vol. (gai) | Pump Rate (GPM) |
| 0919 | 6.88 | 777 | 17.2 | 6.89 | 1.5 | 0.38 |
| 0824 | 6.70 | 802 | 22.9 | 7.11 | 3.0 | |
| 0827 | 6.71 | 784 | 23.1 | 7.09 | 4,5 | - |
| | | | - | | | |
| | | | | | | |
| | | (14.95-5.46 | | TOTAL VI | = 5 <u> </u> | |
| Pump: | Dedic | n Stainle ated Submersible Dedicated Submer | - Arma | _PVC | ABS Plastic Bladder Pump | |
| A/QC Samples if a | | | - | | | |
| | : 8015 / 80 Reading (ppm) nded Solids (de | | | | | . . |
| contamination Pe | | L 5/m | | | | |
| mments / Calculat | tions: | : | 57AFT :09 | • | | |
| | | | | | | |
| | | | 570P :08 | 28 | | |
| | | | 570P :08 SAMPLE : | 28 0 640 | | • |

| si Weil Depth (f nth to Water (ft) | 11: (14.68) | ERYVILLE Pro Sa Sa | mple ID: NW. | 3 | | |
|--|--|--|--|-----------------------------|---------------------------------|------------------|
| | | מיכימי | | | | - |
| elopment Meth | od: (/ () - r: Tef ic | OD Casis | -l - | | 400 Marsin | |
| | | | niess Steel | PVC | ABS Plastic | |
| Pump | Dedi | icated Submersi -Dedicated Subn | ble Pump nersible Pump | | _ Bladder Pum | ip |
| Time | pH | Conduct. | Temp. | Water Level | Cum. Voi. (gal) | Pump Ra (GPM) |
| 0830 | 6.81 | 778 | 19.9 | 7.32 | 1.6 | 0.59 |
| 0833 | 6.78 | 170 | 20.8 | 7.57 | 3.0 | |
| 0836 | 6.77 | 732 | 20.8 | 7.68 | 4.5 | + |
| | | | | | | |
| | | | | | | |
| | | | | x./65 = 1. | V= 4.7 | |
| ple Collection M | casing volumes lethod: | mers reduced pri | or to sample co prior to samplin | | | .65 for 4 in. |
| ple Collection M | casing volumes lethod:Teflor | were removed (| r 2 in. wells, X or to sample co prior to samplin | lection. | . weils, X = 0. ABS Plastic | 65 for 4 in. |
| ple Collection M | casing volumes fethod: Teffor | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin | liection. g. | | |
| ple Collection M | lethod: Teflor Dedic | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. | ABS Plastic | |
| ple Collection M | lethod: Teflor Dedic | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. | ABS Plastic | |
| ple Collection M | lethod: Teflor Dedic | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. PVC | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: | lethod: Teflor Dedic Non-C | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. PVC | ABS Plastic | |
| ple Collection M Bailer: Pump: C Samples if a | lethod: Teflor Dedic Non-C | were removed printing stainle | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. PVC | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: Pump: Pump: Pump: Pump: Pump: Pump: OVA R | lethod: Teffor Dedic Non-C Ny (Duplicate, 1 | were removed printing were removed printing stainle st | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. PVC | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: Pump: Pump: Pump: Pump: Pump: Pump: OVA R | tethod: Teflor Dedic Non-E | were removed printing were removed printing stainle st | r 2 in. wells, X or to sample co prior to samplin ess Steel e Pump ersible Pump | liection. g. PVC | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: Pump: Pump: Pump: Pump: Pump: Pump: OVA R | casing volumes lethod: Dedic Dedic Non-C my (Duplicate,) Reading (ppm) nded Solids (de | were removed printing stainles required printing stainles atted Submersible Dedicated Submersible Printing stainles attended atte | r 2 in. wells, X or to sample co- prior to samplin ess Steel e Pump ersible Pump e Blank, etc.): | liection. g. PVC | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: C Samples if a service Appearance OVA R Suspersentamination Per | lethod: | were removed printing stainles required printing stainles atted Submersible Dedicated Submersible Pols Pols scribe): | prior to sampling ess Steel e Pump ersible Pump ersible Pump e Blank, etc.): | Bection. G. PVC CENT. PU | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: C Samples if a | lethod: | were removed printing stainles required printing stainles atted Submersible Dedicated Submersible Pols Pols scribe): | prior to sampling ess Steel e Pump ersible Pump ersible Pump e Blank, etc.): | Bection. G. PVC CENT. PU | _ ABS Plastic _ Bladder Pump | |
| ple Collection M Bailer: Pump: C Samples if a service Appearance OVA R Suspersentamination Per | lethod: | were removed printing stainles required printing stainles atted Submersible Dedicated Submersible Pols Pols scribe): | r 2 in. wells, X or to sample co- prior to samplin ess Steel e Pump ersible Pump e Blank, etc.): | Bection. G. PVC CENT. PU | _ ABS Plastic _ Bladder Pump | |

| Project Name: (1)C Casing Diameter (in Total Well Depth (f Depth to Water (ft) | 11: 14.5D | Sar Sar | ject Number: npie Date: 3 npie ID: _{MW} - | ~71 m/ | | |
|---|---|--|--|-------------|-----------------------------|--------------------|
| Development Methors Beiler | : Tef | ionStain licated Submersib l-Dedicated Subm | ia Dum | PVC | ABS Plastic Bladder Pum | IP |
| Time | pH | Conduct. | Temp. (Celsius) | Water Level | Cum. Voi. (gai) | Pump Rate (GPM) |
| 0903 | 7,01 | 739 | 17.8 | 5.51 | 1.5 | 0.71 |
| 0904 | 6.98 | 765 | 18.4 | 5.92 | 3.0 | |
| 0906 | 6.97 | 756 | 18.3 | 6.62 | 4.5 | J |
| - | <u> </u> | | | | | |
| | | | | | <u> </u> | |
| Water Volume to be | | | | | V = 5 | 0.9 |
| Sample Collection M Bailer: Pump: | Teffor | nStainle: exted Submersible Dedicated Submer | Prima | _PVC | ABS Plastic Bladder Pump | |
| QA/QC Samples if ar | | | | | | |
| | SOZI / S eading (ppm) ided Solids (de | | (| CENT. PUMF | TO PUR | ² 6£. |
| Decontamination Peri | | 2 5/m | ı | ~ | | |
| Comments / Calculati | ons: | START STOP SAMPLE | : 0900 : 0907 : 0915 | | | |

R1-14

Weil ID: MW-/

Z.71-n1

| • | | | | | | Weil ID: | MW-2 |
|-------------|---|---|---|--|-------------|-----------------------------|--------------------|
| Cat | ject Name: AC sing Diameter (in al Well Depth (fi oth to Water (ft), | 1: 2" 1: 14.56 | San San | ject Number: nple Date: 3/2 nple ID: MW- | 1/01 | | |
| Dev | relopment Metho | | on Stain | iess Steel | PVC | ABS Plastic | · |
| | Pump: | : Dedi | cated Submersib Dedicated Subm | ile Pumn | | Bladder Pum | p |
| | Time | pH | Conduct. (umho/cm) | Temp. (Celsius) | Water Level | Cum. Vol. (gail | Pump Rate (GPM) |
| | 0926 | 6.85 | 677 | 19.6 | 4.87 | 1.5 | 0.48 |
| | 0928 | 6.86 | 659 | 20.0 | 5.02 | 3.0 | |
| | 0930 | 6.89 | 654 | 20.0 | 502 | 4.5 | — |
| | | | | | | | |
| i | | · | | | TOTAL U | 5.3 | |
| : | | | | | | | |
| | east <u>3</u> well conple Collection M <u>K</u> Bailer: Pump: | ethod: Teflor | Stainle ated Submersible Dedicated Subme | e Pump | | ABS Plastic Bladder Pump | |
| QA/ | QC Samples if a | | | | | | · |
| Para Sam | | 8021 / 801. leading (ppm) nded Solids (de | | (617 | PUMP TO | PURE | - •- · |
| Dec | ontamination Per | | S/M | | | | |
| Соп | ments / Calculat | ions: | _ | | | | |
| | | 51 | top 093 | 0 | | | |
| | | 5 | top 093° | ١ | | | |
| | | 4 | male nau | 10 | | | |

But A Hora.

| | | • • | | | AAGII ID: | TVI 00 -70 |
|--|---|---|--|----------------------------|---------------|--------------------|
| oject Name: AC sing Dlameter (i stal Well Depth (opth to Water (fi | TNA)S. (in): 2° ft): 24.)5 it, before purgi | emeryvicut <mark>fro</mark> San San ng: 9.23 | ject Number: / nple Date: 3 nple ID: //\ W - | 192551 112 8 /01 | | |
| velopment Meti Baile | rod: NA | onStain | | | _ ABS Plastic | - |
| Pum | p: Ded | icated Submersib -Dedicated Subm | le Pump | - | _ Bladder Pum | p |
| Time | pH | Conduct. (umho/cm) | Temp. (Celsius) | Water Level | Cum. Vol. | Pump Rate (GPM) |
| 1004 | 7.15 | 720 | 18.5 | 10.73 | 2.5 | 0.68 |
| 1008 | 7.11 | 727 | 18.7 | 10.91 | 5.0 | 1 |
| 10)1 | 7.11 | 725 | 18.4 | | 7.5 | 1 |
| | | | | | | |
| | | | | | | |
| | | | | TOTAL V | - 7.5 | |
| | | - (24.15-9.2 | a) | | | - 09 |
| nple Collection (| Method: : Tefic | in Stainle | iee Staal | PMC | ABS Plastic | |
| • |): Dedi | cated Submersible | Pumn | | Bladder Pump | 1 |
| QC Samples if | | Field Blank, Rinse | • | | | |
| | : Reading (ppm) | | | | | . |
| | ended Solids (de | Bacribe): | | | | |
| ontamination Pe | | 'R 5/m | | | | |
| nments / Calcula | • | | | •• | | |
| | | cTA | PT: 1001 | | | |
| | | | • | | | |
| | | | P = 1012 | | | |
| | | SAM | PLG : 1015 | _ | | |

7-70-01

Brak A Vann

| velopment Meth Baile Pum | r:Tef | ion Stain | | PVC | _ ABS Plastic | |
|--|--|--|--|-------------------|-----------------------------|------------------|
| | Nor | dicated Submersit n-Dedicated Subm | ole Pump Tersible Pump | | _ Bladder Pum | Þ |
| Time | pH | Conduct. | Temp. (Celsius) | Water Lavel | Cum. Voi. | Pump Rs (GPM) |
| 1041 | 7.03 | 1992 | 19,9 | 1to 0.01 ft1 4.78 | (gal) | 0.72 |
| 10 43 | 7.04 | 1012 | 19.7 | 4.93 | 4 | |
| 1046 | 6.94 | 1022 | 19.4 | 5.69 | 6 | 4 |
| | | | | | | |
| | | | | | , , , , , , , | |
| | | _ (6.93-3.7 | | | v: 6.5 | |
| east <u>3</u> well on the Collection M | casing volume: Aethod: | mes required prior were removed p | prior to samplin | g. | weils, X = 0.0 | |
| east <u>3</u> well on the Collection Market Seller: Pump: | casing volume: Aethod: Teffo Dedii | t were removed poin Stainle cated Submersible Dedicated Subme | orior to samplin ess Steel Pump ersible Pump | g. | | |
| east <u>3</u> well on the Collection Market Seller: Pump: | casing volume: Aethod: Teffo Dedii | were removed p Stainle | orior to samplin ess Steel Pump ersible Pump | g. | ABS Plastic | |
| east weil of the collection is Pump: OC Samples if a collected in the collecte | casing volume: Method: Teffo Dedicate, | s were removed poin Stainle cated Submersible Dedicated Submersible Field Elank, Rinse | ess Steel Pump rsible Pump stible Pump | g. | ABS Plastic Bladder Pump | |
| east weil of the collection is Pump: OC Samples if a collected in the collecte | Casing volume: Aethod: Teffo Dedii Non- Nor- Ny (Duplicate, So 21 , 80) Reading (ppm) Inded Solids (de | s were removed poin Stainle cated Submersible Dedicated Submersible Field Elank, Rinse | es Steel Pump raible Pump Riank, etc.i: | g. _ PVC | ABS Plastic Bladder Pump | |
| east weil of the collection is Pailer: Pump: Pump: CC Samples if a surprise Appearance OVA F Suspection of the collected in the collect | Casing volumes Aethod: Teffo Dedit Non- Iny (Duplicate, Reading (ppm) Inded Solids (de | s were removed programmers. Stainle cated Submersible Dedicated Submersible Field Ellank, Rinse Scribe): | ess Steel Pump rsible Pump Blank, etc.): | ePVC | ABS Plastic Bladder Pump | |
| east well of pie Collection for Pailer: Pump: CC Samples if a surface OVA For OVA For Suspendentamination Performance | Casing volumes Aethod: Teffo Dedit Non- Nor- Nogram Reading (ppm) Inded Solids (de | s were removed programmers. Stainle cated Submersible Dedicated Submersible Field Ellank, Rinse Scribe): | START: | Cent. pump | ABS Plastic Bladder Pump | |
| east well of pie Collection for Pailer: Pump: CC Samples if a surface OVA For OVA For Suspendentamination Performance | Casing volumes Aethod: Teffo Dedit Non- Nor- Nogram Reading (ppm) Inded Solids (de | s were removed poinStainle cated Submersible Dedicated Submersible Field Ellank, Rinse scribe): C W | ess Steel Pump rsible Pump Blank, etc.): | Cent. pump | ABS Plastic Bladder Pump | |

Weil ID: <u>W-4</u>

| | | | | | Weil ID: | |
|--|--|--|--|--|--|---------------|
| ect Name: AC ng Diameter (i I Well Depth (i h to Water (ft) | m: 19,64 | Sei | pject Number: mple Date: 3 mple ID: _{MW} | · 21 · 01 | | |
| lopment Meth | od: .14 | | | | | - |
| Bailer | r: Tef i | lonStain | iless Steel | PVC | ABS Plastic | |
| Pump | | | | | | |
| • | Non | iicated Submersii I-Dedicated Subm | ole Pump Tersible Pump | | Bladder Pum | . |
| Time | pH | Conduct | | / | (C) - 1(c) | |
| | | (umho/cm) | Temp. (Celsius) | (to 0.01 ft) | Cum. Vol. (gai) | Pun (C |
| 1114 | 6.85 | 984 | 70.7 | 3.96 | 2.5 | |
| 7/1 | 6.97 | 980 | 20.4 | 3.94 | 5,0 | |
| 1170 | 6.82 | 1043 | 20.9 | 3.97 | 7.5 | |
| | | | | | | |
| | <u> </u> | | | | | |
| | | | | Tonal V | = 8.5 | |
| ng Length in Fi $e X = 1$ Well \(\text{TE: } 3 to 5 \text{ Well } \) | t - Depth to Wi Volume in gai/i ill Casing Volu casing volumes | = $(9.69 - \frac{3.9}{4.9})$ ster in Ft) x X x 3 ft, X = 0.165 for mes required prior | 3 /نارع r 2 in. wells, X pr to sample co | رک : = 0.37 for 3 in: :: | / : 5 | 7.7 |
| ing Length in Fig. $X = 1$ Well $X = 1$ Well $X = 1$ Well $X = 1$ Well $X = 1$ | t - Depth to Wi Volume in gai/i ill Casing Volumes casing volumes lethod: | eter in Ft) $\times X \times C$ ft, $X = 0.165$ for mes required prior were removed C | 76.48 r 2 in. wells, X or to sample co | 2. = 0.37 for 3 in: dection. | / : { . weils, X = 0. | 7.7 |
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3-21-01



April 20, 2001

Brad Wright

STL SACRAMENTO PROJECT NUMBER: G1C210285

STL Sacramento

880 Riverside Parkway West Sacramento, CA 95605-1500

Tel: 916 373 5600 Fax: 916 371 8420 www.stl-inc.com

2233 Santa Clara Ave Suite 7 Alameda, CA 94501

Safety Kleen Consulting

Dear Mr. Wright,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on March 21, 2001. These samples are associated with your AC Transit Emeryville project.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4414.

Sincerely,

Bonnie J. McNeill Project Manager

Bonnie Mcheile.

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 8015M, TPH Gas/8021B, BTEX + MTBE Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 Sample Data Sheets Method Blank Reports Laboratory QC Reports

WATER, 8015 MOD, Diesel/Motor Oil Samples: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 Sample Data Sheets Method Blank Reports Laboratory QC Reports

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER

General Comments

Samples were received at 3 and 6 degrees Centigrade.

WATER, 8015M, TPH Gas/8021B, BTEX + MTBE

Several sample surrogate recoveries are affected by co-elution with the unknown hydrocarbon present in the sample.

WATER, 8015 MOD, Diesel/Motor Oil

The surrogate recovery in sample MW-8 was affected by co-elution with the unknown hydrocarbon present in the sample. The surrogate recovery in sample MW-6 was diluted out due to a required sample dilution. The relative percent difference between the LCS/LCSD was high due to variable recovery seen this QC set. The surrogate recovery in the LCS was also slightly high. Samples were not re-extracted due to sample holding time considerations. Sample surrogate recoveries were acceptable (except MW-8 and MW-6 as noted above) and thus sample extraction efficiency remained unaffected by the problems in the LCS/LCSD.

STL Sacramento **Ouality Control Definitions**

| QC Parameter | Definition |
|---|---|
| QC Batch | A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots. |
| Duplicate Control Sample (DCS) | Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD. |
| Duplicate Sample (DU) | A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch. |
| Laboratory Control Sample (LCS) | A volume of reagent water for aqueous samples or a contaminant- free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. |
| Matrix Spike and Matrix Spike Duplicate (MS/MSD) | A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked. |
| Method Blank (MB) | A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps. |
| Surrogate Spike | Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process. |

Source: Quanterra® Quality Control Program, Policy QA-003

STL Sacramento Certifications:

Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (#2166), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 107407), Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613).

SAMPLE SUMMARY

G1C210285

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|--|--|
| DXQJ4 DXQJ9 DXQKC DXQKD DXQKE DXQKF DXQKH DXQKK DXQKK DXQKM DXQKM DXQKM DXQKM DXQKM | 001 002 003 004 005 006 007 008 009 010 011 012 013 | TRIP BLANK W-3 W-1 MW-7 MW-8 MW-9 MW-5 MW-4 MW-3 MW-1 MW-2 MW-10 W-4 MW-6 | 03/20/01 03/20/01 03/20/01 03/20/01 03/20/01 03/20/01 03/21/01 03/21/01 03/21/01 03/21/01 03/21/01 03/21/01 03/21/01 | 10:50 11:30 12:45 13:30 14:15 15:00 08:40 08:50 09:15 09:40 10:15 11:00 |
| | | | | |

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Chain of Custody Record



| QUA-4124 0797 | | 5 | | | | | | | | | | | | ··· | Date | • | | | | Tch | aln of Custody No | ımber | |
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| 2233 SANTA CLARA AVE | #フ | Telephone i | Vumber フー マ | (Area とつ・ | Codé)/ _ 8 / | Fax No | umbe. ") | r | | | | | | | LEO | Numl | JEF | | | P. | age | of <u></u> | <u> </u> |
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| ALAMEDA State Zip Co | 1501 | 51(Site Contact | | | | Bon | <u>IN I</u> | <u> </u> | M | ١. | _ | Т | T | mor | e spa | ce is | need | ea) | | T^{T} | İ | | |
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| Contract/Purchase Order/Quote No. 79 2 5 5 1 | | | ٨ | /atrix | | | | taine erva | | | 7.2 | ļĮ | 3 | | | | | | | | Condition | s or neu | ειρι |
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| W-1 | | 1130 | | 1 | | | ╁ | | L | | -H | Ш | \perp | - | | + | _ | | + | - | | | |
| MW-7 MW-8 | | 1245 | | | | - | _ | _ | - | - | | | _ | - | | - | +- | | + | + | | | |
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| 3. Relinquished By | | Date | | Time | | 3 | . Flec | eiveo | l By | | | | | | | | | | | -, ,- | Date | Time | |
| Comments U | | <u> </u> | | | | | | | | | | | | | <u>-</u> | | | | | | | | |
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្តិChain of ន្តិCustody Record



| QUA 4124 0797 | Project N | 10000 | | | | | | | | | | | | | • | Dá | ile | - | | | | Ch | ain of Custody Nu | mber |
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| | 121/01 110 | D) | | | | X | | | X | | | | X | X | | | | | | | | <u> </u> | GAS/BTE | X/MTBE |
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| Comments on | | | | | | | | | | | | | | | | | | | | | | | | |
| ODISTRIBUTION: WHITE - Stays with the Sample; CANARY - Ret | urned to Client with Re | port; | PINK - | Field | Cop | y | | | | | | | | | | | | | | | | | | |

WATER,8015M, TPH Gas 8021B, BTEX + MTBE

SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC Volatiles

| Lot-Sample #: G1C210285-001 Date Sampled: 03/20/01 Prep Date: 03/27/01 Prep Batch #: 1092384 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: | WATER |
|--|---|--------------------|---------|-------|
| Dilution Factor: 1 | Method: | DHS CA LUFT | ŗ | |
| PARAMETER | RESULT | REPORTING LIMIT | UNITS | |
| TPH (as Gasoline) | ND | 50 - | ug/L | |
| Unknown Hydrocarbon | ND | 50 | ug/L | |
| | PERCENT | RECOVERY | | |

RECOVERY

100

LIMITS

(70 - 130)

SURROGATE

4-Bromofluorobenzene

SAFRTY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: G1C210285-001 Work Order #...: DXQJ41AC Matrix..... WATER

Date Sampled...: 03/20/01 Date Received..: 03/21/01
Prep Date....: 03/29/01 Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1 Method.....: DHS CA LUFT

| PARAMETER Benzene Ethylbenzene Toluene | RESULT ND ND ND | REPORTING LIMIT 1.0 1.0 1.0 | G <u>UNITS</u> ug/L ug/L ug/L |
|--|----------------------------|--------------------------------|---|
| m-Xylene & p-Xylene o-Xylene Methyl tert-butyl ether | ND ND | 2.0 1.0 5.0 | ug/L ug/L ug/L |
| SURROGATE Fluorobenzene | PERCENT RECOVERY 100 | RECOVERY LIMITS (70 - 13 | <u></u> |

SAFETY KLREN CONSULTING

Client Sample ID: W-3

GC Volatiles

| Lot-Sample #: G1C210285-002 | Work Order #: DXQJ91AD | Matrix WATER |
|-----------------------------|-------------------------|--------------|
| | Date Received: 03/21/01 | |

Prep Date: 03/27/01 Date Received..: 03/27/01

Prep Date...: 03/27/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1 Method.....: DHS CA LUFT

PARAMETER RESULT LIMIT UNITS

TPH (as Gasoline)
Unknown Hydrocarbon
ND
DIMIT
ONITS
Ug/L
Ug/L

 SURROGATE
 PERCENT
 RECOVERY

 4-Bromofluorobenzene
 105
 (70 - 130)

SAFETY KLEEN CONSULTING

Client Sample ID: W-3

GC Volatiles

Matrix..... WATER Lot-Sample #...: G1C210285-002 Work Order #...: DXQJ91AC

Date Received..: 03/21/01 Date Sampled...: 03/20/01 Prep Date....: 03/29/01 Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Fluorobenzene

Method.....: DHS CA LUFT Dilution Factor: 1

| | | REPORTIN | r G |
|-------------------------------------|----------|------------|------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | ND ND | 1.0 1.0 | ug/L |
| Toluene | | | ug/L |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L |
| o-Xylene Methyl tert-butyl ether | ND ND | 1.0 5.0 | ug/L |
| | | | ug/L |
| | PERCENT | RECOVERY | 7 |
| SURROGATE | RECOVERY | LIMITS_ | |
| Fluorobenzene | 104 | (70 - 13 | 30) |

SAFRTY KLEEN CONSULTING

Client Sample ID: W-1

GC Volatiles

Matrix WATER Work Order #...: DXQKClAD Lot-Sample #...: G1C210285-003

Date Received..: 03/21/01 Date Sampled...: 03/20/01 Prep Date....: 03/27/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Method..... DHS CA LUFT Dilution Factor: 5

REPORTING

UNITS <u>LIM</u>IT RESULT PARAMETER ug/L 250 ND TPH (as Gasoline) ug/L 250 7200 Unknown Hydrocarbon

RECOVERY PERCENT RECOVERY LIMITS SURROGATE

(70 - 130)139 * 4-Bromofluorobenzene

NOTE(S): * Surrogate recovery is outside stated control limits.

SAFETY KLEEN CONSULTING

Client Sample ID: W-1

GC Volatiles

| Lot-Sample #: G1C210285-003 | Work Order #: DXQKClAC | Matrix WATER |
|-----------------------------|-------------------------|--------------|
| Date Campled - 03/20/01 | Date Received: 03/21/01 | |

Analysis Date..: 03/29/01

Date Sampled...: 03/20/01
Prep Date....: 03/29/01
Prep Date.....: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 2 Method.....: DHS CA LUFT

| | | REPORTING | 3 |
|-------------------------|----------|-----------|-------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | 32 | 2.0 | ug/L |
| Ethylbenzene | 56 | 2.0 | ug/L |
| Toluene | 13 | 2.0 | ug/L |
| m-Xylene & p-Xylene | 36 | 4.0 | ug/L |
| o-Xylene | 4.0 | 2.0 | ug/L |
| Methyl tert-butyl ether | ND | 10 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | |
| Fluorobenzene | 157 * | (70 - 130 | 0) |

NOTE (S):

^{*} Surrogate recovery is outside stated control limits.

SAFRTY KLREN CONSULTING

Client Sample ID: MW-7

GC Volatiles

Lot-Sample #...: G1C210285-004

Work Order #...: DXQKD1AD

Matrix..... WATER

Date Sampled...: 03/20/01

Date Received..: 03/21/01

Prep Date....: 03/27/01

Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Method..... DHS CA LUFT

Dilution Factor: 1

REPORTING

PARAMETER

RESULT

LIMIT

UNITS

TPH (as Gasoline)

ND

50

ug/L

Unknown Hydrocarbon

1000

50

ug/L

SURROGATE

PERCENT RECOVERY RECOVERY LIMITS

4-Bromofluorobenzene 142 * (70 - 130)

NOTE(S):

Surrogate recovery is outside stated control limits.

SAFETY KLEEN CONSULTING

Client Sample ID: MW-7

GC Volatiles

| Lot-Sample #: G1C210285-004 | Work Order #: DXQKD1AC | Matrix WATER |
|-----------------------------|------------------------|--------------|
|-----------------------------|------------------------|--------------|

Date Received..: 03/21/01 Date Sampled...: 03/20/01 Analysis Date..: 03/29/01 Prep Date....: 03/29/01

Prep Batch #...: 1092387 Method..... DHS CA LUFT Dilution Factor: 1

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|-------------------------|----------|--------------------|--------------|
| Benzene | ND | 1.0 | ug/L |
| Sthylbenzene | ND | 1.0 | ug/L |
| Toluene | 1.4 | 1.0 | ug/L |
| -Xylene & p-Xylene | ND | 2.0 | ${	t ug/L}$ |
| -Xylene | ND | 1.0 | ug/L |
| Methyl tert-butyl ether | ND | 5.0 | ug/L |
| | PERCENT | RECOVERY | |
| URROGATE | RECOVERY | LIMITS | , |
| luorobenzene | 119 | (70 - 13 | 0) |

Fluorobenzene

SAFETY KLEEN CONSULTING

Client Sample ID: MW-8

GC Volatiles

| Lot-Sample #: G1C210285-005 Date Sampled: 03/20/01 Prep Date: 03/27/01 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix WAI | ER |
|--|---|--------------------|-----------------------|----|
| Prep Batch #: 1092384 Dilution Factor: 1 | Method: | DHS CA LUF | r | |
| PARAMETER TPH (as Gasoline) Unknown Hydrocarbon | RESULT ND 64 | REPORTING LIMIT 50 | UNITS ug/L ug/L | |
| | PERCENT | RECOVERY | | |

RECOVERY

112

LIMITS

(70 - 130)

SURROGATE

4-Bromofluorobenzene

Client Sample ID: MW-8

GC Volatiles

Lot-Sample #...: G1C210285-005 Work Order #...: DXQKE1AC

Date Sampled...: 03/20/01 Prep Date....: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

Fluorobenzene

Date Received..: 03/21/01 Analysis Date..: 03/29/01

Method..... DHS CA LUFT

Matrix....: WATER

| | | REPORTING | G |
|-------------------------|----------|-----------|-------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | ND | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L |
| o-Xylene | ND | 1.0 | ug/L |
| Methyl tert-butyl ether | ND | 5.0 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | |
| Fluorobenzene | 101 | (70 - 13 | 0) |

Client Sample ID: MW-9

GC Volatiles

Matrix..... WATER Lot-Sample #...: G1C210285-006 Work Order #...: DXQKF1AD Date Received..: 03/21/01 Date Sampled...: 03/20/01

Analysis Date..: 03/27/01 Prep Date....: 03/27/01

Prep Batch #...: 1092384

Method..... DHS CA LUFT Dilution Factor: 1

REPORTING LIMIT UNITS RESULT PARAMETER

ug/L 50 TPH (as Gasoline) ND ug/L 50 Unknown Hydrocarbon ND

RECOVERY PERCENT RECOVERY <u>LIMITS</u> SURROGATE

Client Sample ID: MW-9

GC Volatiles

Lot-Sample #...: G1C210285-006 Work Order #...: DXQKF1AC Date Sampled...: 03/20/01

Matrix..... WATER

Prep Date....: 03/29/01

Date Received..: 03/21/01 Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

Method..... DHS CA LUFT

| PARAMETER | RESULT | REPORTING LIMIT UNITS |
|---|----------------------------------|---|
| Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Methyl tert-butyl ether | ND ND ND ND ND ND | 1.0 ug/L 1.0 ug/L 1.0 ug/L 2.0 ug/L 1.0 ug/L 5.0 ug/L |
| SURROGATE Fluorobenzene | PERCENT RECOVERY | RECOVERY LIMITS (70 - 130) |

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #...: G1C210285-007 Work Order #...: DXQKH1AD Matrix....: WATER Date Sampled...: 03/20/01 Date Received..: 03/21/01 Prep Date....: 03/27/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1 Method.....: DHS CA LUFT

REPORTING

 PARAMETER
 RESULT
 LIMIT
 UNITS

 TPH (as Gasoline)
 ND
 50
 ug/L

 Unknown Hydrocarbon
 ND
 50
 ug/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS
4-Bromofluorobenzene 102 (70 - 130)

Client Sample ID: MW-5

GC Volatiles

Matrix....: WATER Lot-Sample #...: G1C210285-007 Work Order #...: DXQKH1AC

Date Received..: 03/21/01 Date Sampled...: 03/20/01 Analysis Date..: 03/30/01 Prep Date....: 03/29/01

Prep Batch #...: 1092387 Method.....: DHS CA LUFT Dilution Factor: 5

| | | REPORTIN | Ğ |
|-----------------------|----------|----------|-------|
| PARAMETER | RESULT | LIMIT | UNITS |
| enzene | ND | 5.0 | ug/L |
| hylbenzene | ND | 5.0 | ug/L |
| oluene | ND | 5.0 | ug/L |
| Xylene & p-Xylene | ND | 10 | ug/L |
| -Xylene | ND | 5.0 | ug/L |
| thyl tert-butyl ether | 87 | 25 | ug/L |
| | PERCENT | RECOVERY | 7 |
| RROGATE | RECOVERY | LIMITS | · |
| luorobenzene | 103 | (70 - 13 | 0) |

Fluorobenzene

Client Sample ID: MW-4

GC Volatiles

| Lot-Sample #: G1C210285-008 Date Sampled: 03/21/01 Prep Date: 03/27/01 Prep Batch #: 1092384 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix WATER |
|--|---|--------------------|--------------|
| Dilution Factor: 1 | Method: | DHS CA LUF | T |
| PARAMETER | result | REPORTING LIMIT | UNITS |
| TPH (as Gasoline) | ND | 50 | ug/L |
| Unknown Hydrocarbon | ND | 50 | ug/L |
| | PERCENT | RECOVERY | |

LIMITS (70 - 130)

RECOVERY

102

SURROGATE

4-Bromofluorobenzene

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #...: G1C210285-008 Work Order #...: DXQKK1AC Date Received..: 03/21/01 Date Sampled...: 03/21/01

Analysis Date..: 03/30/01

Matrix..... WATER

Prep Date....: 03/29/01 Prep Batch #...: 1092387

Dilution Factor: 1

Method..... DHS CA LUFT

REPORTING

| PARAMETER | RESULT | <u>LIMIT</u> | UNITS |
|-------------------------|----------|--------------|-------|
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | ND | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| m-Xylene & p-Xylene | ИD | 2.0 | ug/L |
| o-Xylene | ND | 1.0 | ug/L |
| Methyl tert-butyl ether | ND | 5.0 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | |
| Fluorobenzene | 99 | (70 - 13 | (0) |

Client Sample ID: MW-3

GC Volatiles

| Lot-Sample #: G1C210285-009 | Work Order #: | DXQKL1AD | Matrix WAT | ER |
|-----------------------------|----------------|------------|------------|----|
| Date Sampled: 03/21/01 | Date Received: | | | |
| Prep Date: 03/27/01 | Analysis Date: | 03/27/01 | | |
| Prep Batch #: 1092384 | | | | |
| Dilution Factor: 1 | Method: | DHS CA LUF | T | |
| | | REPORTING | | |
| PARAMETER | RESULT | LIMIT | UNITS | |
| TPH (as Gasoline) | ND | 50 | ug/L | |
| Unknown Hydrocarbon | ND | 50 | ug/L | |
| | | | | |

RECOVERY

(70 - 130)

LIMITS

PERCENT

101

RECOVERY

SURROGATE

4-Bromofluorobenzene

Client Sample ID: MW-3

GC Volatiles

Lot-Sample #...: G1C210285-009

Work Order #...: DXQKL1AC

Matrix....: WATER

Date Sampled...: 03/21/01 Prep Date....: 03/29/01 Date Received..: 03/21/01

Analysis Date..: 03/30/01

Prep Batch #...: 1092387

Dilution Factor: 1

Method.....: DHS CA LUFT

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|-------------------------|----------|--------------------|-------------|
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | ND | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L |
| o-Xylene | ND | 1.0 | ug/L |
| Methyl tert-butyl ether | ND | 5.0 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | |
| Fluorobenzene | 106 | (70 - 13 | 0) |

Client Sample ID: MW-1

GC Volatiles

| Lot-Sample #: G1C210285-010 Date Sampled: 03/21/01 Prep Date: 03/27/01 Prep Batch #: 1092384 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: | WATER |
|--|---|--------------------|---------|-------|
| Dilution Factor: 1 | Method: | DHS CA LUF | r | |
| | DDGVI # | REPORTING LIMIT | UNITS | |
| PARAMETER | RESULT | | | |
| TPH (as Gasoline) | ND | 50 | ug/L | |
| Unknown Hydrocarbon | ND | 50 | ug/L | |
| | PERCENT | RECOVERY | | |

RECOVERY

101

LIMITS

(70 - 130)

SURROGATE

4-Bromofluorobenzene

Client Sample ID: MW-1

GC Volatiles

Lot-Sample #...: G1C210285-010 Work Order #...: DXQKM1AC Matrix..... WATER

Date Sampled...: 03/21/01 Date Received..: 03/21/01 Prep Date....: 03/29/01 Analysis Date..: 03/30/01

Prep Batch #...: 1092387

Dilution Factor: 1 Method.....: DHS CA LUFT

| | | REPORTIN | |
|-------------------------|----------|----------|-------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | ND | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L |
| o-Xylene | ND | 1.0 | ug/L |
| Methyl tert-butyl ether | 17 | 5.0 | ug/L |
| | PERCENT | RECOVERY | 7 |
| SURROGATE | RECOVERY | LIMITS | |
| Fluorobenzene | 107 | (70 - 13 | (0) |

Client Sample ID: MW-2

GC Volatiles

Lot-Sample #...: G1C210285-011 Work Order #...: DXQKN1AD Matrix..... WATER

Prep Batch #...: 1092384

Dilution Factor: 1 Method.....: DHS CA LUFT

REPORTING

 PARAMETER
 RESULT
 LIMIT
 UNITS

 TPH (as Gasoline)
 ND
 50
 ug/L

 Unknown Hydrocarbon
 ND
 50
 ug/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

SURROGATERECOVERYLIMITS4-Bromofluorobenzene101(70 - 130)

Client Sample ID: MW-2

GC Volatiles

Lot-Sample #...: G1C210285-011 Work Order #...: DXQKN1AC Matrix..... WATER

Prep Batch #...: 1092387

Fluorobenzene

Dilution Factor: 2 Method.....: DHS CA LUFT

98

| | | REPORTIN | I G |
|-------------------------|----------|----------|------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | ND | 2.0 | ug/L |
| Ethylbenzene | ND | 2.0 | ug/L |
| Toluene | ND | 2.0 | ug/L |
| m-Xylene & p-Xylene | ND | 4.0 | ug/L |
| o-Xylene | ND | 2.0 | ug/L |
| Methyl tert-butyl ether | 33 | 10 | ug/L |
| | PERCENT | RECOVERY | ? |
| SURROGATE | RECOVERY | LIMITS | |

(70 - 130)

Client Sample ID: MW-10

GC Volatiles

Lot-Sample #...: G1C210285-012

Date Sampled...: 03/21/01 Prep Date....: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1

Work Order # ...: DXQKP1AD Date Received..: 03/21/01

Analysis Date..: 03/27/01

Method..... DHS CA LUFT

REPORTING

PARAMETER TPH (as Gasoline)

SURROGATE

Unknown Hydrocarbon

4-Bromofluorobenzene

RESULT ND 220

<u>LIMIT</u> 50 50

UNITS ug/L ug/L

Matrix....: WATER

PERCENT RECOVERY

106

RECOVERY LIMITS

(70 - 130)

STL-Sacramento

Client Sample ID: MW-10

GC Volatiles

Lot-Sample #...: G1C210285-012 Work Order #...: DXQKP1AC Date Sampled...: 03/21/01

Prep Date....: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

Date Received..: 03/21/01

Analysis Date..: 03/30/01

Method..... DHS CA LUFT

Matrix....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|-------------------------|----------|--------------------|-------|
| Benzene | ND | 1.0 | ug/L |
| Ethylbenzene | NĎ | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L |
| o-Xylene | ND | 1.0 | ug/L |
| Methyl text-butyl ether | ND | 5.0 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | _ |
| Fluorobenzene | 107 | (70 - 130) | |

Client Sample ID: W-4

GC Volatiles

| Lot-Sample #: G1C210285-013 Date Sampled: 03/21/01 Prep Date: 03/27/01 Prep Batch #: 1092384 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: | WATER |
|--|---|------------|---------|-------|
| Dilution Factor: 1 | Method: | DHS CA LUF | T | |
| PARAMETER | RESULT | REPORTING | UNITS | |
| TPH (as Gasoline) | ND | 50 | ug/L | |
| Unknown Hydrocarbon | ND | 50 | ug/L | |
| | PERCENT | RECOVERY | • | |

RECOVERY

117

LIMITS

(70 - 130)

SURROGATE

4-Bromofluorobenzene

Client Sample ID: W-4

GC Volatiles

Lot-Sample #...: G1C210285-013 Work Order #...: DXQKT1AC Matrix....: WATER

Prep Batch #...: 1092387
Dilution Factor: 1 Method.....: DHS CA LUFT

| | | REPORTING | | |
|-------------------------|--------|-----------|-------|--|
| PARAMETER | RESULT | LIMIT | UNITS | |
| Benzene | | 1.0 | ug/L | |
| Ethylbenzene | ND | 1.0 | ug/L | |
| Toluene | ND | 1.0 | ug/L | |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L | |
| o-Xylene | MD | 1.0 | ug/L | |
| Methyl tert-butyl ether | ND | 5.0 | ug/L | |

SURROGATEPERCENTRECOVERYFluorobenzene104(70 - 130)

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #...: G1C210285-014 Date Sampled...: 03/21/01

Work Order #...: DXQKV1AD

Matrix....: WATER

Prep Date....: 03/27/01

Date Received..: 03/21/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1

Method.....: DHS CA LUFT

REPORTING

LIMIT

50 50

PARAMETER TPH (as Gasoline) Unknown Hydrocarbon RESULT ND 1900

UNITS ug/L ug/L

PERCENT RECOVERY

RECOVERY LIMITS

4-Bromofluorobenzene

166 *

(70 - 130)

SURROGATE

NOTE(S):

^{*} Surrogate recovery is outside stated control limits.

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #...: G1C210285-014 Date Sampled...: 03/21/01

Prep Date....: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 2

Work Order #...: DXQKV1AC

Matrix..... WATER

Date Received..: 03/21/01

Analysis Date..: 03/30/01

Method..... DHS CA LUFT

PEPORTING

| | | KUFOKILK | |
|-------------------------|----------|----------|--------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| Benzene | 49 | 2.0 | ug/L |
| Ethylbenzene | 1.3 | 2.0 | ug/L |
| Toluene | 9.5 | 2.0 | ug/L |
| m-Xylene & p-Xylene | 12 | 4.0 | ug/L |
| o-Xylene | ND | 2.0 | ug/L |
| Methyl tert-butyl ether | ND | 10 | ug/L |
| | PERCENT | RECOVERY | τ |
| SURROGATE | RECOVERY | LIMITS | _ |
| Fluorobenzene | 118 | (70 - 13 | 30) |

QC DATA ASSOCIATION SUMMARY

G1C210285

Sample Preparation and Analysis Control Numbers

| | | ANALYTICAL | LEACH | PREP | |
|---------|----------------|----------------|---------|---------|---------|
| SAMPLE# | MATRIX_ | METHOD | BATCH # | BATCH # | MS RUN# |
| | | | | | |
| 001 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | 1092384 | |
| 002 | WATER | DHS CA LUFT | | 1092384 | 1092158 |
| | WATER | DHS CA LUFT | | 1092367 | 1072130 |
| 003 | WATER | DHS CA LUFT | | 1092384 | |
| 005 | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | WHILE | 2112 441 241 1 | | | |
| 004 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | | |
| 005 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | | |
| 006 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | 1092384 | |
| 007 | WATER | DHS CA LUFT | | 1092384 | 1092158 |
| | WATER | DHS CA LUFT | | 1092307 | 1072130 |
| 800 | WATER | DHS CA LUFT | | 1092384 | |
| 000 | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | MAILE | DIIS CA HOLL | | | |
| 009 | WATER | DHS CA LUFT | | 1092384 | |
| 005 | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | | |
| 01.0 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | | |
| 011 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | | | | 1092384 | |
| 012 | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | WATER | DHS CA LUFT | | 1092367 | 1072130 |
| 03.0 | tern militara | DHS CA LUFT | | 1092384 | |
| 013 | WATER WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | MAILE | THE CA TOLI | | | |
| 014 | WATER | DHS CA LUFT | | 1092384 | |
| V2-7 | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| | MAT TH | | | | |

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: G1C210285

Work Order #...: DOAG51AA

Matrix..... WATER

MB Lot-Sample #: G1D020000-384

Prep Date....: 03/27/01

Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1

REPORTING

| PARAMETER TPH (as Gasoline) Unknown Hydrocarbon | RESULT ND ND | LIMIT UNITS 50 ug/L 50 ug/L | METHOD DHS CA LUFT DHS CA LUFT |
|---|----------------------------|-----------------------------|----------------------------------|
| SURROGATE 4-Bromofluorobenzene | PERCENT RECOVERY 102 | RECOVERY LIMITS (70 - 130) | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: G1C210285

Work Order #...: DOAHR1AA

Matrix..... WATER

MB Lot-Sample #: G1D020000-387

Prep Date....: 03/29/01

Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

REPORTING

| | | KREOKITI | 40 | |
|-------------------------|----------|----------|-------|-------------|
| PARAMETER | RESULT | LIMIT | UNITS | METHOD |
| Benzene | ND | 1.0 | ug/L | DHS CA LUFT |
| Ethylbenzene | ND | 1.0 | ug/L | DHS CA LUFT |
| Toluene | ND | 1.0 | ug/L | DHS CA LUFT |
| m-Xylene & p-Xylene | ND | 2.0 | ug/L | DHS CA LUFT |
| o-Xylene | ND | 1.0 | ug/L | DHS CA LUFT |
| Methyl tert-butyl ether | ND | 5.0 | ug/L | DHS CA LUFT |
| | PERCENT | RECOVER' | Y | |
| SURROGATE | RECOVERY | LIMITS | | |
| Fluorobenzene | 100 | (70 - 1 | 30) | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: D0AG51AC-LCS Matrix..... WATER

LCS Lot-Sample#: G1D020000-384 D0AG51AD-LCSD

Prep Date....: 03/27/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1

| PARAMETER TPH (as Gasoline) | SPIKE AMOUNT 1000 1000 | MEASURE AMOUNT 927 957 | D UNITS UG/L UG/L | PERCENT RECOVERY 93 96 | RPD 3.2 | METHOD DHS CA LUFT DHS CA LUFT |
|--------------------------------|---------------------------------|---------------------------------|-----------------------------------|---------------------------------|---------|--------------------------------|
| SURROGATE 4-Bromofluorobenzene | | | PERCENT RECOVERY 111 111 | RECOVERY LIMITS (70 - 130 | • | |

NOTE(5):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: D0AG51AC-LCS Matrix..... WATER

LCS Lot-Sample#: G1DC20000-384 D0AG51AD-LCSD

Prep Date....: 03/27/01 Analysis Date..: 03/27/01

Prep Batch #...: 1092384

Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD RPD LIMITS | METHOD |
|----------------------|---------------------|--------------------------|--------------------------|----------------------------|
| TPH (as Gasoline) | 93 96 | (70 - 130) (70 - 130) | 3.2 (0-35) | DHS CA LUFT DHS CA LUFT |
| SURROGATE | | PERCENT RECOVERY | RECOVERY LIMITS | |
| 4-Bromofluorobenzene | | 111 111 | (70 - 130) (70 - 130) | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: D0AHR1AC

Matrix..... WATER

LCS Lot-Sample#: G1D020000-387

Prep Date....: 03/29/01

Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

| PARAMETER Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Methyl tert-butyl ether | SPIKE AMOUNT 10.0 10.0 10.0 20.0 10.0 10.0 | MEASURED AMOUNT 9.82 9.84 9.74 19.5 9.44 9.64 | UNITS ug/L ug/L ug/L ug/L ug/L | 98 98 97 98 94 96 | METHOD DHS CA LUFT DHS CA LUFT DHS CA LUFT DHS CA LUFT DHS CA LUFT DHS CA LUFT |
|---|--|--|----------------------------------|----------------------------------|--|
| SURROGATE Fluorobenzene | | PERCENT RECOVERY 100 | RECOVERY LIMITS (70 - 130) | - | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: D0AHR1AC

Matrix....: WATER

LCS Lot-Sample#: G1D020000-387

Prep Date....: 03/29/01

Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

| | PERCENT | RECOVERY | |
|-------------------------|----------|-------------------|-------------|
| PARAMETER | RECOVERY | LIMITS | METHOD |
| Benzene | 98 | (70 - 130) | DHS CA LUFT |
| Ethylbenzene | 98 | (70 - 130) | DHS CA LUFT |
| Toluene | 97 | (70 - 130) | DHS CA LUFT |
| m-Xylene & p-Xylene | 98 | (70 - 130) | DHS CA LUFT |
| o-Xylene | 94 | (70 - 130) | DHS CA LUFT |
| Methyl tert-butyl ether | 96 | (70 - 130) | DHS CA LUFT |
| | | PERCENT | RECOVERY |
| SURROGATE | | RECOVERY | LIMITS |
| Fluorobenzene | | 100 | (70 - 130) |
| Fluorobenzene | | 100 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: DXQJ41AE-MS Matrix..... WATER

MS Lot-Sample #: G1C210285-001 DXQJ41AF-MSD

Date Sampled...: 03/20/01 Date Received..: 03/21/01 Prep Date....: 03/29/01 Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

| PARAMETER Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene Methyl tert-butyl ether | SAMPLE AMOUNT ND ND ND ND ND ND ND ND ND ND ND ND ND | SPIKE AMT 10.0 10.0 10.0 10.0 20.0 20.0 20.0 10.0 10.0 | MEASRD AMOUNT 9.64 9.73 9.70 9.78 9.61 9.69 19.4 19.5 9.31 9.40 10.4 | UNITS ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | PERCENT RECOVERY 96 97 98 96 97 97 98 93 94 104 | 0.96 0.84 0.87 0.84 0.93 | DAS DAS DAS DAS DAS DAS DAS DAS DAS DAS | CA CA CA CA CA CA CA CA | LUFT LUFT LUFT LUFT LUFT LUFT LUFT LUFT |
|--|--|--|--|---|---|--------------------------------------|---|--|---|
| Methyl tert-butyl ether | ND ND | 10.0 10.0 | 10.4 9.98 | ug/L ug/L | 104 100 | 4.5 | | - | LOFT |
| SURROGATE Fluorobenzene | - | | PERCENT RECOVER 99 98 | | RECOVERY LIMITS (70 - 13 (70 - 13 | | | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: G1C210285 Work Order #...: DXQJ41AE-MS Matrix....: WATER

MS Lot-Sample #: G1C210285-001 DXQJ41AF-MSD

Date Sampled...: 03/20/01 Date Received..: 03/21/01
Prep Date....: 03/29/01 Analysis Date..: 03/29/01

Prep Batch #...: 1092387

Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---------------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene | 96 | (70 - 130) | | | DHS CA LUFT |
| Benzene | 97 | (70 - 130) | 0.96 | (0-35) | DHS CA LUFT |
| Ethylbenzene | 97 | (70 - 130) | | | DHS CA LUFT |
| Fruitpenzene | 98 | (70 - 130) | 0.84 | (0-35) | DHS CA LUFT |
| Toluene | 96 | (70 - 130) | | - | DHS CA LUFT |
| 101uene | 97 | (70 - 130) | 0.87 | (0-35) | DHS CA LUFT |
| - Western r w Williams | 97 | (70 - 130) | | | DHS CA LUFT |
| m-Xylene & p-Xylene | 98 | (70 - 130) | 0.84 | (0-35) | DHS CA LUFT |
| WE T | 93 | (70 - 130) | | • | DHS CA LUFT |
| o-Xylene | 94 | (70 - 130) | 0.93 | (0-35) | DHS CA LUFT |
| sealoud tout housed other | 104 | (70 - 130) | | •- | DRS CA LUFT |
| Methyl tert-butyl ether | 104 | (70 - 130) | 4.5 | (0-35) | DHS CA LUFT |
| | | | | nncoleny | |
| | | PERCENT | | RECOVERY | |
| SURROGATE | | RECOVERY | | LIMITS | |
| Fluorobenzene | - | 99 | | (70 - 130 |)) |
| | | 98 | | (70 - 130 |)) |

note(s) <u>:</u>

Calculations are performed before rounding to avoid round-off errors in calculated results.

WATER, 8015M, TPH Diesel/Motor Oil

Client Sample ID: W-3

GC Semivolatiles

| Iot-Sample #: | G1C2:10285-002 | Work Order #: DXQJ91AA | Matrix WATER |
|----------------|----------------|-------------------------|--------------|
| 100 Dougles () | 02/20/01 | Date Received: 03/21/01 | |

Date Sampled...: 03/20/01 Date Received..: 03/21/01
Prep Date....: 03/27/01 Analysis Date..: 04/06/01

Prep Batch #...: 1086279

Dilution Factor: 1 Method.....: SW846 8015 MOD

REPORTING <u>UNITS</u> LIMIT RESULT PARAMETER ug/L 250 ND TPH (as Motor Oil) ug/L 50 ND TPH (as Diesel) ug/L 50 630 Unknown Hydrocarbon RECOVERY

SURROGATE PERCENT RECOVERY

SURROGATE RECOVERY

0-Terphenyl 86 (57 - 147)

NOTE(S):

The unknown from n-C16 to n-C40 is quantitated based on a motor oil reference from n-C19 to n-C36.

Client Sample ID: W-1

GC Semivolatiles

| Lot-Sample #: G1C210285-003 | Work Order #: DXQKC1AA | Matrix WATER |
|-----------------------------|-------------------------|--------------|
| Date Sampled: 03/20/01 | Date Received: 03/21/01 | |
| Prep Date: 03/27/01 | Analysis Date: 04/06/01 | |

Prep Batch #...: 1086279

Dilution Factor: 1 Method.....: SW846 8015 MOD

| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 2100 | REPORTING LIMIT 250 50 | UNITS ug/L ug/L ug/L |
|--|----------------------------|----------------------------------|-------------------------------|
| SURROGATE o-Terphenyl | PERCENT RECOVERY 103 | RECOVERY LIMITS (57 - 147) | - |

Note(S):

The unknown from n-C8 to n-C40 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: MW-7

GC Semivolatiles

| Lot-Sample #: G1C210285-004 Date Sampled: 03/20/01 Prep Date: 03/27/01 Prep Batch #: 1086279 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: WATER |
|--|---|------------|---------------|
| Dilution Factor: 1 | Method: | SW846 8015 | MOD |
| | | REPORTING | |
| PARAMETER | RESULT | LIMIT | UNITS |
| TPH (as Motor Oil) | ND | 250 | ug/L |
| TPH (as Diesel) | ND | 50 | ug/L |
| Unknown Hydrocarbon | 770 | 50 | ug/L |

PERCENT RECOVERY RECOVERY

(57 - 147)

LIMITS

o-Terphenyl 102

SURROGATE

NOTE(S):

The unknown from n-C8 to n-C32 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: MW-8

GC Semivolatiles

| Lot-Sample #: G1C210285-005 Date Sampled: 03/20/01 Prep Date: 03/27/01 Prep Batch #: 1086279 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: WATER |
|--|---|----------------------------------|----------------------|
| Dilution Factor: 2 | Method: | SW846 8015 | MOD |
| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 1700 Q | REPORTING LIMIT 500 100 | UNITS ug/L ug/L ug/L |
| SURROGATE o-Terphenyl | PERCENT RECOVERY 264 * | RECOVERY LIMITS (57 - 147) | |

NOTE(S):

The unknown from n-C8 to n-C40 is quarkitated based on a diesel reference from n-C10 to n-C24.

^{*} Surrogate recovery is outside stated control limits.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Client Sample ID: MW-9

GC Semivolatiles

| Lot-Sample #: G1C2L0285-006 Date Sampled: 03/20/01 Prep Date: 03/27/01 Prep Batch #: 1086279 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: WATER |
|--|---|---|----------------------|
| Dilution Pactor: 2 | Method: | SW846 8015 | MOD |
| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 1500 Q | REPORTING LIMIT 500 100 500 | UNITS ug/L ug/L ug/L |
| SURROGATE o-Terphenyl | PERCENT RECOVERY 118 | RECOVERY LIMITS (57 - 147) | |

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

The unknown from n-C10 to n-C40 is quantitated based on a motor oil reference from n-C19 to n-C36.

Client Sample ID: MW-5

GC Semivolatiles

| Lot-Sample #: G1C210285-007 Date Sampled: 03/20/01 Prep Date: 03/27/01 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix: WATER |
|--|---|----------------------------------|-----------------|
| Prep Batch #: 1086279 Dilution Factor: 1 | Method: | SW846 8015 | MOD |
| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 250 | REPORTING LIMIT 250 50 | UNITS ug/L ug/L |
| SURROGATE | PERCENT RECOVERY 97 | RECOVERY LIMITS (57 - 147) | |

NOTE(S):

o-Terphenyl

The unknown from n-C10 to n-C32 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: MW-4

GC Semivolatiles

| Lot-Sample #: G1C210285-008 Date Sampled: 03/21/01 Prep Date: 03/27/01 | Work Order #: DXQKK1AA Date Received: 03/21/01 Analysis Date: 04/07/01 | Matrix: WATER |
|--|--|---------------|
|--|--|---------------|

Prep Batch #...: 1086279
Dilution Factor: 1 Method.....: SW846 8015 MOD

| | | REPORTING | |
|---------------------|--------|-----------|--------------------------|
| PARAMETER | RESULT | LIMIT | UNITS |
| TPH (as Motor Oil) | ND | 250 | ug/L |
| TPH (as Diesel) | ND | 50 | ug/L |
| Unknown Hydrocarbon | ND | 50 | \mathtt{ug}/\mathtt{L} |

 SURROGATE
 PERCENT
 RECOVERY

 0-Terphenyl
 84
 (57 - 147)

Client Sample ID: MW-3

GC Semivolatiles

| Lot-Sample #: G1C210285-009 Date Sampled: 03/21/01 Prep Date: 03/27/01 Prep Batch #: 1086279 | Work Order #: Date Received: Analysis Date: | 03/21/01 | Matrix WATER |
|--|---|----------------------------------|-----------------|
| Dilution Factor: 2 | Method: | SW846 8015 | MOD |
| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 1700 Q | REPORTING LIMIT 500 100 500 | UNITS ug/L ug/L |
| SURROGATE o-Terphenyl | PERCENT RECOVERY 90 | RECOVERY LIMITS (57 - 147) | |

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

The unknown from n-C16 to n-C40 is quantitated based on a motor oil reference from n-C19 to n-C36.

Client Sample ID: MW-1

GC Semivolatiles

| Lot-Sample #: G1C210285-010 | Work Order #: DXQKMIAA | Matrix WATER |
|-----------------------------|------------------------|--------------|
| | | |

Date Sampled...: 03/21/01 Date Received..: 03/21/01 Analysis Date ..: 04/09/01 Prep Date....: 03/27/01

Prep Batch #...: 1086:279

Method..... SW846 8015 MOD Dilution Factor: 1

| PARAMETER TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | RESULT ND ND 240 | REPORTING LIMIT 250 50 | UNITS ug/L ug/L ug/L |
|--|---------------------------|---------------------------------|----------------------|
| SURROGATE o-Terphenyl | PERCENT RECOVERY 95 | RECOVERY LIMITS (57 - 147 |) |

NOTE(S):

o-Terphenyl

The unknown from n-C10 to n-C34 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: MW-2

GC Semivolatiles

| Lot-Sample #: G1C210285-011 | Work Order #: DXQKN1AA | Matrix: WATER |
|-----------------------------|-------------------------|---------------|
| Date Sampled: 03/21/01 | Date Received: 03/21/01 | |

 Date Sampled...:
 03/21/01
 Date Received...:
 03/21/01

 Prep Date.....:
 03/27/01
 Analysis Date...:
 04/07/01

Prep Batch #...: 1086279
Dilution Factor: 1 Method.....: SW846 8015 MOD

REPORTING

| PARAMETER | RESULT | LIMIT | UNITS |
|--|-----------|------------------|--------------|
| TPH (as Motor Oil) | ND | 250 | ug/L ug/L |
| TPH (as Diesel) Unknown Hydrocarbon | ND 900 | 50 250 | ug/L |
| | PERCENT | RECOVERY | 7 |
| SURROGATE | RECOVERY | LIMITS | |

o-Terphenyl 109 (57 - 147)

NOTE(S):

The unknown from n-C12 to n-C40 is quantitated based on a motor oil reference from n-C19 to n-C36.

Client Sample ID: MW-10

GC Semivolatiles

| Lot-Sample #: G1C210285-012 | Work Order #: | | Matrix WATER |
|-----------------------------|----------------|------------|--------------|
| Date Sampled: 03/21/01 | Date Received: | | |
| Prep Date: 03/27/01 | Analysis Date: | 04/07/01 | |
| Prep Batch #: 1086279 | | | |
| Dilution Factor: 1 | Method: | SW846 8015 | MOD |
| | | REPORTING | |
| PARAMETER | RESULT | LIMIT | UNITS |
| TPH (as Motor Oil) | ND | 250 | ug/L |
| TPH (as Diesel) | ND | 50 | ug/L |
| Unknown Hydrocarbon | 620 | 50 | ug/L |

 SURROGATE
 PERCENT
 RECOVERY

 0-Terphenyl
 72
 LIMITS

 (57 - 147)

NOTE(S):

The unknown from n-C8 to n-C32 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: W-4

GC Semivolatiles

| Lot-Sample #: G1C210285-013 | Work Order #: DXQKTlAA | Matrix WATER |
|-----------------------------|------------------------|--------------|
| | | |

Date Received..: 03/21/01 Date Sampled...: 03/21/01 Analysis Date..: 04/07/01 Prep Date....: 03/27/01

Prep Batch #...: 1086279

Method..... SW846 8015 MOD Dilution Factor: 1

| | | REPORTIN | īG |
|---------------------|----------|----------|-------|
| PARAMETER | RESULT | LIMIT | UNITS |
| TPH (as Motor Oil) | ND | 250 | ug/L |
| TPH (as Diesel) | ND | 50 | ug/L |
| Unknown Hydrocarbon | 220 | 50 | ug/L |
| | PERCENT | RECOVERY | 7 |
| SURROGATE | RECOVERY | LIMITS | |
| o-Terphenyl | 84 | (57 - 14 | 17) |

NOTE(S):

o-Terphenyl

The unknown from n-C8 to n-C40 is quantitated based on a diesel reference from n-C10 to n-C24.

Client Sample ID: MW-6

GC Semivolatiles

| Date Sampled: G1C210285-014 Date Sampled: 03/21/01 Prep Date: 03/27/01 Prep Batch #: 1086279 | Work Order #: Date Received: Analysis Date: | 03/21/01 04/09/01 | Matrix: WAIER |
|---|---|----------------------|---------------|
| Dilution Factor: 10 | Method: | SW846 8015 | MOD |
| | | REPORTING | |
| PARAMETER | RESULT | LIMIT | UNITS |
| TPH (as Motor Oil) | ND | 2500 | ug/L |
| TPH (as Diesel) | ND | 500 | ug/L |
| Unknown Hydrocarbon | 5100 Q | 500 | ug/L |
| | PERCENT | RECOVERY | |
| SURROGATE | RECOVERY | LIMITS | |
| o-Terphenyl | 0.0 SRD | (57 - 147) | |

NOTE (S):

ם בות מונו

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

The unknown from n-C8 to n-C24 is quantitated based on a diesel reference from n-C10 to n-C24.

QC DATA ASSOCIATION SUMMARY

G1C210285

Sample Preparation and Analysis Control Numbers

| sample# | MATR:IX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---------------|---------|----------------------|------------------|-----------------|---------|
| 001 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 002 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 003 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 004 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 005 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 006 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 007 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 800 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | _ |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 009 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 010 | WATER | SW846 8015 MOD | | 1086279 | |
| - | WATER | DHS CA LUFT | | 1092384 | _ |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 011 | WATER | SW846 8015 MOD | | 1086279 | |
| | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G1C210285

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATR:X | ANALYTICAL METHOD | LEACH BATCH # | BATCH # | MS RUN# |
|---------|--------|----------------------|------------------|---------|---------|
| 012 | WATER | SW846 8015 MOD | | 1086279 | |
| 022 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 013 | WATER | SW846 8015 MOD | | 1086279 | |
| 023 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |
| 014 | SIETAW | SW846 8015 MOD | | 1086279 | |
| 014 | WATER | DHS CA LUFT | | 1092384 | |
| | WATER | DHS CA LUFT | | 1092387 | 1092158 |

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G1C210285

Work Order #...: DX1091AA

Matrix..... WATER

MB Lot-Sample #: G1C270000-279

Prep Date....: 03/27/01

Analysis Date..: 04/06/01

Prep Batch #...: 1086279

Dilution Factor: 1

REPORTING

| PARAMETER | RESULT | LIMIT | UNITS | METHOD |
|--|---------------------------|---------------------------------|----------------------|--|
| TPH (as Motor Oil) TPH (as Diesel) Unknown Hydrocarbon | ND ND ND | 250 50 50 | ug/L ug/L ug/L | SW846 8015 MOD SW846 8015 MOD SW846 8015 MOD |
| SURROGATE o-Terphenyl | PERCENT RECOVERY 84 | RECOVERY LIMITS (57 - 147 | 7) | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G1C210285 Work Order #...: DX1091AC-LCS Matrix..... WATER

LCS Lot-Sample#: G1C270000-279 DX1091AD-LCSD

Prep Date....: 03/27/01 Analysis Date..: 04/06/01

Prep Batch #...: 1086279

Dilution Factor: 1

| PARAMETER TPH (as Diesel) | SPIKE AMOUNT 300 300 | MEASURE AMOUNT 307 171 p | UNITS UNITS UG/L UG/L | PERCENT RECOVERY 102 57 | RPD | METHOI SW846 SW846 | 8015 | |
|---------------------------|----------------------|-----------------------------------|--------------------------------|--|-----|--------------------------|------|--|
| SURROGATE o-Terphenyl | | | PERCENT RECOVERY 151 * | RECOVERY LIMITS (57 - 147 (57 - 147 | • | | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

p Relative percent difference (RPD) is outside stated control limits.

Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1C210285 Work Order #...: DX1091AC-LCS Matrix..... WATER

LCS Lot-Sample#: G1C270000-279 DX1091AD-LCSD

Prep Date....: 03/27/01 Analysis Date..: 04/06/01

Prep Batch #...: 1086279

Dilution Factor: 1

| PARAMETER TPH (as Diesel) | PERCENT RECOVERY 102 57 p | RECOVERY LIMITS (39 - 125) (39 - 125) | RPD LIMITS 57 (0-44) | METHOD SW846 8015 MOD SW846 8015 MOD |
|---------------------------|------------------------------------|--|---|--|
| SURROGATE o-Terphenyl | | PERCENT RECOVERY 151 * 78 | RECOVERY <u>LIMITS</u> (57 - 147) (57 - 147) | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

- p Relative percent difference (RPD) is outside stated control limits.
- Surrogate recovery is outside stated control limits.