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26 October 2000

Mr. Steven Hariri
Site Cleanup Unit
California Regional Water Quality Control Board
Los Angeles Region
320 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Quarterly Progress Report for July through September 2000
For the Jervis B. Webb Company of California Property,
5030 Firestone Boulevard, South Gate, California
(RWQCB SLIC File No. 744; EKI 991103.01)

Dear Mr. Hariri:

On behalf of Jervis B. Webb Company of California ("Webb"), Erler & Kalinowski, Inc. is pleased to present the enclosed *Quarterly Progress Report for July through September 2000*, dated 26 October 2000. This report describes the activities completed during the period from July through September 2000 at the Webb property located at 5030 Firestone Boulevard in South Gate, California.

Please contact us if you have any comments or questions.

Very truly yours,

ERLER & KALINOWSKI, INC.

REGISTERED PROFESSIONAL ENGINEER
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Steven R. Chambers, Ph.D.
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cc: Mr. Michael Farley, Esq., Jervis B. Webb Company

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California
5030 Firestone Boulevard
South Gate, California

26 October 2000

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Quarterly Progress Report for July through September 2000
Jervis B. Webb Company of California
5030 Firestone Boulevard, South Gate, California

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5030 Firestone Boulevard, South Gate, California

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Jervis B. Webb Company of California
5030 Firestone Boulevard, South Gate, California

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1. INTRODUCTION

Erler & Kalinowski, Inc. ("EKI") is pleased to present this *Quarterly Progress Report for July through September 2000* for the property located at 5030 Firestone Boulevard and 9301 Rayo Avenue in South Gate, California (collectively referred to as the "Site," see Figure 1). The work documented in this report was performed on behalf of the Jervis B. Webb Company of California ("Webb"). The property at 5030 Firestone Boulevard is owned by Webb ("Webb Property") and the adjacent property at 9301 Rayo Avenue is owned by Reliable Steel Building Products, Inc. ("Reliable Steel").

The principal objectives of the activities performed during this quarter were to (1) monitor the groundwater wells at the Site, and (2) continue operation of a soil vapor extraction system at the Site. The quarterly groundwater monitoring activities described herein were performed in accordance with EKI's *Project Tasks, Schedule, and Work Plan for Additional Groundwater Investigation and Quarterly Groundwater Monitoring at the Jervis B. Webb Company Property*, dated 29 September 1998 (EKI, 29 September 1998). The soil vapor extraction ("SVE") activities described herein were performed in accordance with the *Work Plan for Clarifier Removal and Soil Remediation by Soil Vapor Extraction*, by EKI, dated 14 April 1999 ("SVE Work Plan"; EKI, 14 April 1999). The RWQCB approved the SVE Work Plan, with two modifications, in a letter dated 18 May 1999.

2. QUARTERLY GROUNDWATER MONITORING

2.1. Measurements of Groundwater Elevation

The depth to groundwater in monitoring wells MW-1 through MW-5 was measured on 13 July, 17 August, and 20 September 2000 (see Figure 2 for well locations). These data are provided in Table 1. The depth to the groundwater table beneath the Site is approximately 45 feet below ground surface ("ft bgs"). Contours representing the elevation of the groundwater table on 13 July, 17 August, and 20 September 2000 are shown on Figures 3, 4, and 5, respectively. As inferred from the contours shown on these figures, the primary direction of groundwater flow in the groundwater table aquifer beneath the Site appears to be toward the south-southeast.

2.2. Groundwater Sampling

Samples of groundwater were collected from monitoring wells MW-1 through MW-5 on 7 September 2000. In addition, a duplicate sample of groundwater was collected from well MW-3. All samples of groundwater were submitted to Orange Coast Analytical, Inc. in Tustin, California, for analyses of volatile organic compounds ("VOCs") using United States Environmental Protection Agency ("EPA") Method 8260B. The analytical results for groundwater samples collected during this monitoring event are summarized in Table 2.

2.2.1. Groundwater Sampling Procedures

Prior to sampling of groundwater, each well was purged of a minimum of three well-casing volumes of groundwater using a submersible, electric pump. Groundwater purging was performed by West Hazmat Drilling Corp. ("West Hazmat") and groundwater samples were collected by EKI. All down-hole equipment was thoroughly steam cleaned before use at each well.

During purging of the monitoring wells on 7 September 2000, the temperature, pH, conductivity, and turbidity of the purged groundwater were recorded by EKI. The instruments used for monitoring the purged groundwater were calibrated prior to commencement of groundwater purging. For each purge sample, the time, water quality parameters, and volume of purged groundwater were recorded on forms in the field (see Appendix A). Purging at each well continued until the variability of the monitored groundwater quality parameters stabilized to within approximately ten percent. Groundwater quality parameters were generally stable after purging three casing volumes of water from each well. The final turbidity of the purged groundwater was generally low, i.e., between 0 and 2.50 nephelometric turbidity units (see Appendix A).

A groundwater sample was collected from each monitoring well using a disposable polyethylene bailer. A new bailer was used to collect the sample from each well. A sample label that included a unique sample identification number, the time, and the date when the sample was collected was attached to each sample container. Sample containers were sealed in zip-lock plastic bags and placed in a cooler with ice for temporary storage and transport to the analytical laboratory. Chain-of-Custody forms were initiated in the field and stored with the samples. Laboratory reports and Chain-of-Custody forms for groundwater samples are attached in Appendix B.

2.2.2. Analytical Results for Groundwater Samples

Trichloroethene ("TCE") and cis-1,2-dichloroethene ("c-1,2-DCE") were the only VOCs detected in the samples of groundwater collected at the Site on 7 September 2000 (see Table 2). The concentrations of TCE and c-1,2-DCE detected in the samples of groundwater collected at the Site are shown on Figures 6 and 7, respectively. Consistent with previous results, TCE was the chemical of concern detected with the greatest frequency (five of six samples) and at the highest concentration (21,000 ug/L in well MW-1). However, the concentrations of TCE and c-1,2-DCE detected in samples of the groundwater collected from each of the monitoring wells at the Site have decreased during each of the past two groundwater sampling events. This decrease in the concentrations of TCE and c-1,2-DCE detected in samples of the groundwater coincides with the period of operation of the SVE system at the Site (see Section 3). The concentrations of TCE and c-1,2-DCE detected in samples of groundwater collected at the Site on 7 September 2000 are the lowest concentrations reported since groundwater monitoring began in March 1998.

2.2.3. Quality Assurance/Quality Control

Standard laboratory QA/QC procedures used for the project included analyses of matrix spikes, matrix spike duplicates, a quality control check spike sample, and a method blank. The percent recoveries of the matrix spike, matrix spike duplicate, and the quality control check spike sample were within acceptable ranges. No analytes were detected in the method blank samples analyzed for this project. QA/QC results are provided with the laboratory reports in Appendix B.

A duplicate groundwater sample was collected from monitoring well MW-3 (see Table 2). Two analytes were detected in both of the samples of groundwater collected from well MW-3. The relative percentage differences ("RPDs") for TCE and c-1,2-DCE were zero percent. These RPDs indicate an acceptable range of sampling and analytical reproducibility.

EKI also collected an equipment rinsate blank during groundwater sampling activities on 7 September 2000. Following steam cleaning of the purge pump, rinsate water brought to the site by West Hazmat was poured over the pump into sampling containers. EKI also collected

a sample of the rinsate water. The equipment rinsate blank was analyzed for VOCs by EPA Method 8260B on 13 September 2000. The concentrations of chemicals detected in the equipment rinsate blank were 14 ug/L of bromoform and 4.1 ug/L of chlorodibromomethane. These chemicals were not detected above method detection limits in any of the groundwater samples collected from the monitoring wells.

Due to these detections in the equipment rinsate blank, the rinse water sample was analyzed on 18 September 2000 in an effort to identify the source of the VOCs. The concentrations of chemicals detected in the rinsate water sample were 16 ug/L of bromoform, 4.4 ug/L of chlorodibromomethane, and 1.0 ug/L of bromodichloromethane. Both of the chemicals detected in the rinsate blank sample were detected in the rinsate water sample, with the concentration of each chemical greater in the rinsate water sample than in the rinsate blank sample. Therefore, it appears that the source of the VOCs detected in the equipment rinsate blank was the rinse water used to prepare the samples. However, as none of the chemicals detected in the equipment rinsate blank and rinsate water samples were detected above method detection limits in any of the groundwater samples collected at the Site, it does not appear that the rinse water affected the integrity of the groundwater samples.

3. SOIL REMEDIATION

3.1. Soil Vapor Extraction System Background

3.1.1. Vapor Wells

Four soil vapor extraction wells and four soil vapor monitoring probes were installed at the Site during June 1999 (see Figure 8). The wells and probes were designed to allow for vapor extraction and monitoring in both the shallow and deep vadose zones at the Site. All of the wells were constructed using Schedule 40 PVC casing and screen. More detailed discussions of well construction and subsurface conditions at the Site are contained in two previous reports prepared by EKI (EKI, 14 April 1999; EKI, 13 October 1999).

On 29 June 2000, two of the vapor monitoring probes (VMP-D1 and VMP-D2) were converted to extraction wells by connecting the probes to the soil vapor extraction system at the Site with two-inch diameter PVC pipe. These wells have been used as extraction wells since 6 July 2000.

Vapor Extraction Wells: The three shallow vapor extraction wells, SVE-1, SVE-2, and SVE-3, are two-inch diameter wells. Wells SVE-1 and SVE-3 are installed to a total depth of approximately 25 ft bgs with slotted screen from approximately 19 to 25 feet bgs. Well SVE-2 is installed to a total depth of approximately 24 ft bgs with slotted screen from approximately 18 to 24 feet bgs. The three deep vapor extraction wells are SVE-D1, VMP-D1, and VMP-D2. Deep vapor extraction well SVE-D1 is a four-inch diameter well installed to a total depth of approximately 44 feet bgs with slotted screen from approximately 30 to 40 feet bgs. The other two deep vapor extraction wells, VMP-D1 and VMP-D2, are constructed in the same boreholes with vapor extraction wells SVE-2 and SVE-3, respectively, and are constructed with 2-inch diameter PVC. Well VMP-D1 is installed to a total depth of approximately 43 feet bgs with slotted screen from approximately 30 to 40 feet bgs. Well VMP-D2 is installed to a total depth of approximately 44 feet bgs with slotted screen from approximately 31 to 41 feet bgs.

Vapor Monitoring Probes: The shallow vapor monitoring probes, VMP-1 and VMP-2, are two-inch diameter wells installed to a total depth of approximately 25 feet bgs with slotted screen from approximately 19 to 25 feet bgs.

3.1.2. Soil Vapor Extraction System

Installation of the SVE system was completed at the Site during March 2000 (see Figure 8). Soil vapors from the extraction wells are passed through a condensate knock-out vessel and through a 200 cubic feet per minute ("cfm") blower (see Figure 9). The soil vapors are then

passed through a heat exchanger and two 1,000-pound granular activated carbon ("GAC") vessels in series, with the treated vapors exhausted to the atmosphere under permit of the South Coast Air Quality Management District ("SCAQMD"). Valves on piping from each well and an ambient air inlet valve located ahead of the knockout vessel allow regulation of air extracted from the wells. PVC pipe and fittings are used throughout the system. Electrical power to the system is metered, and the system is enclosed in a fenced area.

Vacuum gauges, a hand-held flow meter, and sampling ports are used to monitor each of the vapor extraction wells. Vacuum is measured in inches of water column ("in-wc"), vapor flow rate is measured in actual cubic feet per minute ("acfm"), and concentrations of VOCs are measured in parts per million by volume ("ppmv"). Sampling ports were installed at each of the vapor wells and probes and several locations in the SVE system for monitoring of VOC concentrations.

3.2. SVE System Operation and Monitoring

The SVE system began operating on 16 March 2000. During this reporting period (i.e., July through September 2000), wells SVE-1, SVE-2, SVE-3, SVE-D1, VMP-D1, and VMP-D2 were used as vapor extraction wells. Operation and maintenance of the SVE system is performed by Drewelow Engineering of Cardiff, California.

The system was shut down six times during this reporting period, as described below:

1. The system was shut down from 21 June 2000 through 6 July 2000 as part of the planned static vapor sampling (see Section 3.4).
2. The system shut down on 26 July 2000 due to excess water in the system. The system was restarted within approximately 24 hours of the shutdown.
3. The system shut down on 15 August 2000 due to electrical problems. These problems were fixed and the system was restarted on 21 August 2000.
4. The system shut down on 30 August 2000 due to excess dirt in the SVE system. The system was restarted within approximately 20 hours of the shutdown.
5. The system shut down on 6 September 2000 due to debris interfering with the heat exchanger. The system was restarted within approximately 20 hours of the shutdown.
6. The system was shut down on 14 September 2000 following vapor sampling as part of the planned static vapor sampling (see Section 3.4). The system was subsequently restarted on 1 October 2000.

The system operated for approximately 88 percent of the time period between the restart of the system on 6 July 2000 and the shutdown for static vapor sampling on 14 September 2000.

The following parameters have been monitored during operation of the SVE system: vapor flow rate from the extraction wells; total air flow rate; vacuum (pressure) at the extraction wells and monitoring points; blower influent flow rate and vacuum; blower discharge flow rate, pressure, and temperature; and VOC concentrations in the extracted soil vapor. The water level in the knockout tank is also monitored. No water had been observed prior to the system shutdown during the previous reporting period on 21 June 2000. However, during this reporting period, water was observed in the piping of wells SVE-2, SVE-3, VMP-D1, and VMP-D2, and the piping of the combined blower influent. Approximately 80 gallons of water were removed from the SVE system during this reporting period. The removed water is currently stored onsite in 55-gallon drums. The water will be transported offsite for disposal and/or treatment.

Monitoring data collected at the inlet to the system blower prior to dilution are presented in Table 3a and Figure 10a. Monitoring data collected at individual soil vapor extraction wells are presented in Tables 3b through 3g and Figures 10b through 10g. Field monitoring data for the soil vapor monitoring probes are presented in Table 4.

Due to restrictions of the SCAQMD permit regarding the VOC concentration in the influent to the first GAC vessel, the system was initially operated at partial vapor extraction capacity with ambient air diluting the influent concentrations. VOC concentrations subsequently declined to levels within SCAQMD permit requirements during April 2000. This allowed all extraction wells to be operated at full vapor extraction capacity based upon a vacuum of approximately 150 in-wc during this reporting period. However, the total volume of air extracted from the six extraction wells was not great enough to allow for operation of the SVE system without the use of some dilution or recirculation air.

At the time of the shutdown on 14 September 2000, flow rates in the three shallow zone extraction wells (SVE-1, SVE-2, and SVE-3) ranged from 1.5 to 1.6 acfm. The flow rates in the three deep zone extraction wells (SVE-D1, VMP-D1, and VMP-D2) ranged from 17 to 20 acfm at the time of shutdown.

3.3. Soil Vapor Sampling

3.3.1. Vapor Well and System Influent Sampling

On 6 July, 14 September, and 28 September 2000, EKI collected soil vapor samples for laboratory analysis from the undiluted blower influent (i.e., the combined total influent of the vapor extraction wells) and from each of the eight vapor wells and probes at the Site. On 13 July 2000, EKI collected soil vapor samples from the undiluted blower influent and extraction wells SVE-1 and SVE-D1. Duplicate soil vapor samples were collected from well SVE-D1 on 6 July, 14 September, and 28 September 2000. The samples of soil vapor collected on 6 July and 28 September 2000 were collected under static conditions, whereas

vapor extraction was occurring during the sampling events of 13 July and 14 September 2000. The samples were collected in five-liter Tedlar bags using a purge/sampling pump connected to a sampling port with Teflon tubing. All samples were labeled with a unique sample identification number, and chain-of-custody forms were initiated at the time of sampling. All samples were analyzed for VOCs by Performance Analytical, Inc., of Simi Valley, California, using EPA Method TO-14A. Analytical results for the samples are summarized in Table 5, and laboratory data sheets are attached in Appendix C.

The results of vapor sampling performed during this reporting period are described below. The analytical results obtained from the static vapor sampling events on 6 July and 28 September 2000 are described in Section 3.4.

Shallow Vadose Zone: During this reporting period, several VOCs were detected above method detection limits in soil vapor samples collected from extraction wells SVE-1, SVE-2, and SVE-3 and monitoring probes VMP-1 and VMP-2. However, the only VOCs detected at concentrations above method detection limits and 1 ppmv in the soil vapor samples collected from the five shallow vadose zone wells were TCE, PCE, and carbon disulfide. Concentrations of VOCs detected in soil vapor samples from extraction well SVE-1 were higher than in the samples collected from the other shallow vadose zone extraction wells and monitoring probes. Between startup of the SVE system on 16 March 2000 and the system shutdown on 14 September 2000, TCE and PCE concentrations in well SVE-1 decreased from 10,000 to 300 ppmv, and 230 to 9.1 ppmv, respectively. TCE concentrations have also decreased in well SVE-3 and probes VMP-1 and VMP-2 during the course of the system operation. TCE concentrations in well SVE-2 have remained relatively stable throughout the period of system operation. Carbon disulfide was detected in samples of soil vapor collected from wells SVE-1, SVE-2, and VMP-1 on 6 July 2000, but was not detected in samples collected from these wells during any prior or subsequent sampling events. The total concentrations of VOCs detected in soil vapor samples collected from extraction wells SVE-1, SVE-2, and SVE-3 during operation of the SVE system are illustrated on Figures 10b, 10c, and 10d, respectively.

Deep Vadose Zone: During this reporting period, several VOCs were detected above method detection limits in soil vapor samples collected from extraction wells SVE-D1, VMP-D1, and VMP-D2. However, the only VOCs detected at concentrations above method detection limits and 1 ppmv in soil vapor samples collected from the three deep vadose zone wells were TCE, benzene, acetone, carbon disulfide, ethylbenzene, methyl ethyl ketone ("MEK"), PCE, toluene, and m,p-xylene. Concentrations of VOCs detected in samples of soil vapor collected from extraction well SVE-D1 were higher than in samples collected from the other deep vadose zone wells. Between startup of the SVE system on 16 March 2000 and the system shutdown on 14 September 2000, TCE concentrations in well SVE-D1 decreased from 1,000 to 4.0 ppmv. TCE concentrations have also decreased in wells VMP-D1 and VMP-D2 during the course of the system operation.

During this reporting period, the concentration of benzene detected in samples of soil vapor collected from extraction well SVE-D1 increased from a value less than the detection limit of 1.6 ppmv on 6 July 2000 to 40 ppmv on 14 September 2000. Benzene also was detected for the first time in soil vapor samples collected from wells VMP-D1 (0.02 ppmv) and VMP-D2 (5.6 ppmv) during the sampling event on 14 September 2000. For comparison, the highest concentration of benzene detected in samples of soil vapor samples collected from the shallow vadose zone wells at the Site concentration is 0.0091 ppmv. Given that the concentrations of benzene detected in the samples of soil vapor collected from the deep vadose zone are higher than those detected in samples collected from the shallow vadose zone, it is possible that the benzene is off-gassing from groundwater that has migrated onto the Site from and offsite source. It should be noted that benzene was not detected in samples of soil collected at the Site during the Phase II investigation in 1997 (EKI, 18 February 1998).

Acetone, carbon disulfide, MEK, and PCE were detected at maximum concentrations between 1 and 6 ppmv in deep zone vapor samples collected during July 2000, but were not detected above 1 ppmv in deep zone vapor samples collected during the 14 September 2000 sampling event. Ethylbenzene, toluene, and m,p-xylene were detected at maximum concentrations between 1 and 4 ppmv in the deep zone vapor samples collected during the 14 September 2000 sampling event. The total concentration of VOCs detected in soil vapor samples collected from extraction wells SVE-D1, VMP-D1, and VMP-D2 during operation of the SVE system is illustrated on Figures 10e, 10f, and 10g, respectively.

SVE Blower Influent: During this reporting period, several VOCs were detected above method detection limits in soil vapor samples collected from the blower influent. However, the only VOCs detected at concentrations above method detection limits and 1 ppmv in soil vapor samples collected from the blower influent were TCE, benzene, acetone, and carbon disulfide. Between startup of the SVE system on 16 March 2000 and the system shutdown on 14 September 2000, TCE concentrations detected in samples of blower influent decreased from 860 to 5.6 ppmv. Concentrations of benzene detected in samples of blower influent increased from a trace concentration of 0.56 ppmv on 6 July 2000 to a concentration of 10 ppmv on 14 September 2000. Acetone and carbon disulfide were detected at maximum concentrations of 2.2 and 1.6 ppmv, respectively, in samples of blower influent collected during July 2000, but were not detected above 1 ppmv in the samples collected on 14 September 2000. The total concentration of VOCs detected in soil vapor samples collected from the blower influent during operation of the SVE system is illustrated on Figure 10a.

Quality Assurance/Quality Control: Standard laboratory QA/QC procedures used for the project included analyses of laboratory duplicates and method blanks. The RPDs of the laboratory duplicates were within acceptable ranges. No analytes were detected in the method blank samples analyzed for this project. Laboratory QA/QC results are provided with the laboratory reports in Appendix C.

Duplicate soil vapor samples were collected from well SVE-D1 on 6 July, 14 September, and 28 September 2000 (see Table 5). The relative percentage differences ("RPDs") for TCE were 1.1, 32, and 8.0 percent, respectively. These RPDs indicate an acceptable range of sampling and analytical reproducibility.

EKI collected equipment blanks during sampling activities on 6 July, 14 September, and 28 September 2000. The equipment blanks were collected by pumping ambient air into a tedlar bag using the purge/sampling pump, as described above. Concentrations of TCE detected in the equipment blanks ranged from 0.00042 ppmv to 0.015 ppmv. The concentrations of TCE detected in vapor samples collected from the vapor wells, vapor probes, and blower influent were at least 20 times greater than the concentrations of TCE detected in the equipment blank samples.

3.3.2. Estimated VOC Removal Rates

Rates of VOC removal were estimated using measured vacuum readings, flow rates, and analytical data (see Tables 3a through 3g). In most cases, mass removal for a given period of time was calculated using an average of the mass removal rates at the beginning and end of the time period. Exceptions to this averaging method are noted in the tables.

Based on measurements made at the blower influent, an estimated 124 pounds of VOCs, including 104 pounds of TCE, have been extracted from soil at the Site as of 28 September 2000 (see Table 3a and Figure 11). Using measurements made at individual extraction wells, an estimated 265 pounds of VOCs, including 239 pounds of TCE, have been extracted by the SVE system at the Site (see Tables 3b through 3g). The sum of the mass removal calculated for each of the extraction wells is higher than the estimated mass removal as measured at the blower influent. This discrepancy is believed to be caused in part by low precision in measuring the relatively low flow rates in the shallow zone extraction wells and is magnified by the high TCE concentrations detected in well SVE-1. The estimates from data for the blower influent are considered to be the more reliable estimates of total VOC mass removal.

Approximately 40 percent of the cumulative mass removal occurred during this reporting period, indicating that the average mass removal rate decreased about 30 percent relative to the initial three months of system operation. The decrease in mass removal rate occurred despite the addition of two extraction wells to the system at the beginning of this reporting period. During this reporting period, approximately 67 percent of the mass removal occurred in the shallow vadose zone.

3.3.3. Soil Vapor Field Monitoring

Total VOC concentrations in soil vapor samples were also periodically monitored with an organic vapor meter, which utilizes a photoionization detector ("PID") to measure total concentrations of VOCs. The PID does not distinguish between individual compounds, but gives a reading for total VOCs. Samples for PID analyses were collected in Tedlar bags using the method described in Section 3.3.1. The PID was calibrated with 100 ppmv of isobutylene. PID readings from soil vapor samples collected at the extraction wells and vapor monitoring probes are presented in Tables 3a through 3g and in Table 4. These data are plotted as a function of time on Figures 10a through 10g. The PID readings suggest that total VOC concentrations in the blower influent and each of the vapor wells decreased during this reporting period.

3.3.4. SCAQMD Compliance Monitoring

During this reporting period, the effluent of the treatment system was monitored with a PID on a weekly basis to demonstrate conformance with the limitations of the SCAQMD permit for the system. For treatment system monitoring, the PID was calibrated with 50 ppmv of hexane.

The vapor treatment components of the SVE system at the Site are owned by Drewelow, and the SCAQMD permit is held by Drewelow. Drewelow reports that effluent concentrations measured by the PID have been within the discharge limitations of the SCAQMD permit throughout the operation of the SVE system.

3.4. Static Vapor Sampling

As discussed in Section 3.2, the soil vapor extraction system at the Site was shut down on two occasions during this reporting period to allow collection of soil vapor samples from the extraction wells and monitoring probes under static conditions. Chemical analyses of the samples of soil vapor collected under static conditions are used to assess the progress and effectiveness of soil remediation at the Site. The SVE system was shut down on 21 June and 14 September 2000 for two weeks on each occasion to allow collection of the soil vapor samples. A summary of the TCE concentrations detected in static soil vapor samples collected from each well is presented below (see Table 5 and Figures 10b through 10g).

SVE-1: The TCE concentrations detected in static vapor samples collected from well SVE-1 during the sampling events of 16 March, 6 July, and 28 September 2000 are 10,000 ppmv, 3,300 ppmv, and 300 ppmv, respectively. These concentrations indicate a 98 percent decrease in TCE concentration after six months of system operation, and a 90 percent decrease in TCE concentration during this reporting period.

SVE-2: The TCE concentrations detected in static vapor samples collected from well SVE-2 during the sampling events of 16 March, 6 July, and 28 September 2000 are 75 ppmv, 120 ppmv, and 110 ppmv, respectively. This is the only extraction well for which the results indicate that TCE concentrations may not have been significantly impacted by six months of soil vapor extraction.

SVE-3: The TCE concentrations detected in static vapor samples collected from well SVE-3 during the sampling events of 16 March, 6 July, and 28 September 2000 are 25 ppmv, 7.4 ppmv, and 3.8 ppmv, respectively. These concentrations indicate a 85 percent decrease in TCE concentration after six months of system operation.

VMP-1: The TCE concentrations detected in static vapor samples collected from well VMP-1 during the sampling events of 16 March, 6 July, and 28 September 2000 are 29 ppmv, 0.13 ppmv, and 0.47 ppmv, respectively. These concentrations indicate a 98 percent decrease in TCE concentration after six months of system operation.

VMP-2: The TCE concentrations detected in static vapor samples collected from well VMP-2 during the sampling events of 16 March, 6 July, and 28 September 2000 are 43 ppmv, 5.2 ppmv, and 0.52 ppmv, respectively. These concentrations indicate a 99 percent decrease in TCE concentration after six months of system operation.

SVE-D1: The TCE concentrations detected in static vapor samples collected from well SVE-D1 during the sampling events of 16 March, 6 July, and 28 September 2000 are 1,000 ppmv, 92 ppmv, and 120 ppmv, respectively. These concentrations indicate that TCE concentrations decreased 91 percent during the initial four months of soil vapor extraction, but were not significantly impacted by subsequent soil vapor extraction.

VMP-D1: The TCE concentrations detected in static vapor samples collected from well VMP-D1 during the sampling events of 16 March, 6 July, and 28 September 2000 are 460 ppmv, 9.4 ppmv, and 8.6 ppmv, respectively. These concentrations indicate that TCE concentrations decreased 98 percent during the initial four months of soil vapor extraction, but did not decrease significantly thereafter.

VMP-D2: The TCE concentrations detected in static vapor samples collected from well VMP-D2 during the sampling events of 16 March, 6 July, and 28 September 2000 are 39 ppmv, 5.7 ppmv, and 9.3 ppmv, respectively. These concentrations indicate that TCE concentrations decreased 85 percent during the initial four months of soil vapor extraction, but were not significantly impacted by subsequent soil vapor extraction.

Note that the TCE concentrations detected in soil vapor collected from wells VMP-D1 and VMP-D2 did not decrease significantly after these wells were converted to extraction wells in July 2000.

3.5. Proposed Criteria for Closure of Soil Vapor Extraction

In the SVE Work Plan, it was proposed that the SVE system operate until the VOC removal rate of the system decreases to a level at which additional SVE treatment will have a negligible effect on soil remediation. It is proposed that one of the following criteria be used to assess appropriate conditions for closure of soil vapor extraction at the Site:

1. Stable or asymptotic VOC concentrations in samples of soil vapor collected from wells under static conditions (stable or asymptotic conditions will be considered achieved when the TCE and/or total VOC concentrations in samples of soil gas decrease by less than 10 percent between consecutive sampling events); or
2. Stable or asymptotic and very low VOC removal rates that are not sufficient to warrant additional soil vapor extraction.

3.5.1. Compliance with Closure Criteria

Comparison of the analytical results for the 6 July 2000 and 28 September 2000 static sampling events indicates that the concentration of TCE detected in samples of soil vapor collected under static conditions decreased by less than 10 percent in all extraction wells and monitoring probes except wells SVE-1 and SVE-3. The concentrations of TCE detected in samples of soil vapor collected from wells SVE-1 and SVE-3 on 28 September 2000 were approximately 90 percent and 50 percent, respectively, lower than the concentrations of TCE detected in samples of soil vapor collected from these wells on 6 July 2000. These analytical results suggest that stable or asymptotic TCE concentrations in soil vapor have not yet been achieved in the vicinity of extraction wells SVE-1 and SVE-3, and that additional remediation of soil may occur in these areas of the Site through continued operation of the SVE system. This conclusion is also supported by mass removal estimates which indicate that approximately 50 pounds, or 60 percent, of the VOC mass removal by the SVE system during this reporting period was the result of soil vapor extraction from well SVE-1. By contrast, the estimated VOC mass removal for well SVE-3 during the current reporting period was relatively insignificant (about 0.8 pounds or one percent of the total mass removal by the system).

The VOC mass removal estimates presented in this progress report indicate that continued operation of the SVE system at the Site may result in additional remediation of soil. As reported above in Section 3.3.2, approximately 40 percent of the total VOC mass removal by the SVE system during the first six months of operation occurred during this reporting period. While it is clear that VOC mass removal rate for the system has decreased significantly, it is estimated that, based on total mass removal, the system was only about 30 percent less effective during the second half of the initial six months of operation. However, comparison of the daily mass removal rates for the system estimated using data collected on 13 July 2000 and 14 September 2000 indicates that the mass removal rate decreased about 70

percent during this reporting period. Thus, it is possible that the closure criteria presented above may be met during the next reporting period.

When it appears that appropriate closure criteria have been met, Webb intends to request that the RWQCB prepare a letter stating that no further actions are necessary for remediation of soil at the Site. As noted above in Section 3.2, the SVE system was restarted on 1 October 2000, following the static vapor sampling event on 28 September 2000. During future operation of the SVE system, samples of soil vapor will be collected from the blower influent and the soil vapor extraction wells each month to allow estimation of VOC mass removal rates. At the end of the next reporting period (i.e., December 2000), or sooner if it appears that mass removal rates have decreased to levels that will not achieve significant additional remediation of soil at the Site, the SVE system will be shut down for static soil vapor sampling to determine if the recommended closure criteria have been met.

4. PLANNED ACTIVITIES FOR NEXT QUARTER

During the next quarter, the depth to groundwater in the monitoring wells at the Site will continue to be measured on a monthly basis. Samples of groundwater will be collected from each of the groundwater monitoring wells at the Site during December 2000. These samples will be analyzed for VOCs using EPA Method 8260B.

As described in Section 3, the SVE system at the Site will continue to operate until it appears that appropriate conditions for closure of the system have been met. While it is possible that operation of the SVE system may continue throughout the next reporting period, the system will be shut down as soon as it appears that the estimated VOC mass removal rate of the system has decreased to a level that will not allow significant additional soil remediation. During the next reporting period, weekly data collection will include flow rate, vacuum, and PID measurements at each soil vapor extraction well. Vacuum and PID measurements will be made each month at the soil vapor monitoring probes. It is anticipated that soil vapor samples will be collected each month from the undiluted blower influent and certain extraction wells. Before the end of the next reporting period, the SVE system will be shut down for a period of two weeks to allow static soil vapor sampling at each of the soil vapor extraction wells and soil vapor monitoring probes. These soil vapor samples will be analyzed for VOCs using EPA Method TO-14A.

5. SUMMARY

Gauging of the depth to the groundwater table was performed at the groundwater monitoring wells at the Site on 13 July, 17 August, and 7 September 2000. On the basis of these measurements, the predominant direction of groundwater flow appears to be toward the south-southeast under both the Webb and Reliable Steel properties. This estimated direction of groundwater flow is consistent with previous groundwater monitoring at the Site.

Trichloroethene and cis-1,2-dichloroethene were the only VOCs detected in the samples of groundwater collected at the Site on 7 September 2000. Consistent with previous results, TCE was the chemical of concern detected with the greatest frequency (five of six samples) and at the highest concentration (21,000 ug/L in well MW-1). However, the concentrations of TCE and c-1,2-DCE detected in samples of the groundwater collected from each of the monitoring wells at the Site have decreased during each of the past two groundwater sampling events. This decrease in the concentrations of TCE and c-1,2-DCE detected in samples of the groundwater coincides with the period of operation of the SVE system at the Site. The concentrations of TCE and c-1,2-DCE detected in samples of groundwater at the Site on 7 September 2000 are the lowest concentrations reported since groundwater monitoring began in March 1998.

The SVE system at the Site operated for approximately 88 percent of the time period between the restart of the system on 6 July 2000 and the shutdown for static vapor sampling on 14 September 2000. Soil vapor samples were collected for laboratory analysis at the blower influent and soil vapor extraction wells SVE-1 and SVE-D1 four times during the third quarter of 2000. Soil vapor samples were collected three times during the quarter at each of the other soil vapor extraction wells and soil vapor monitoring probes at the Site. The primary analytes detected in these samples of soil vapor were TCE and PCE. It was estimated that 124 pounds of VOCs, including 104 pounds of TCE, have been extracted from the soil at the Site as of 28 September 2000.

Chemical analyses of samples of soil vapor collected under static conditions were used to assess the progress and effectiveness of soil remediation at the Site. Comparison of the analytical results for the 6 July 2000 and 28 September 2000 static sampling events indicates that the concentration of TCE detected in samples of soil vapor collected under static conditions decreased by less than 10 percent in all extraction wells and monitoring probes except extraction wells SVE-1 and SVE-3. The concentrations of TCE detected in samples of soil vapor collected from wells SVE-1 and SVE-3 on 28 September 2000 were approximately 90 percent and 50 percent, respectively, lower the concentrations of TCE detected in samples of soil vapor collected from these wells on 6 July 2000. These analytical

results suggest that stable or asymptotic TCE concentrations in soil vapor have not yet been achieved in the vicinity of extraction wells SVE-1 and SVE-3, and that additional remediation of soil may occur in these areas of the Site through continued operation of the SVE system.

The VOC mass removal estimates presented in this progress report indicate that continued operation of the SVE system at the Site may result in additional remediation of soil. Approximately 40 percent of the total VOC mass removal by the SVE system during the first six months of operation occurred during this reporting period. While it is clear that VOC mass removal rate for the system has decreased significantly, it is estimated that the system was only about 30 percent less effective during the second half of the initial six months of operation. However, comparison of the daily mass removal rates for the system estimated using data collected on 13 July 2000 and 14 September 2000 indicates that the mass removal rate decreased about 70 percent during this reporting period. Thus, it is possible that the closure criteria presented above may be met during the next reporting period.

When it appears that appropriate closure criteria have been met, Webb intends to request that the RWQCB prepare a letter stating that no further actions are necessary for remediation of soil at the Site. The SVE system was restarted on 1 October 2000, following the static vapor sampling event on 28 September 2000. During future operation of the SVE system, samples of soil vapor will be collected from the blower influent and the soil vapor extraction wells each month to allow estimation of VOC mass removal rates. At the end of the next reporting period (i.e., December 2000), or sooner if it appears that mass removal rates have decreased to levels that will not achieve significant additional remediation of soil at the Site, the SVE system will be shut down for static soil vapor sampling to determine if the appropriate closure criteria have been met.

6. REFERENCES AND PREVIOUS REPORTS

Erler & Kalinowski, Inc., 20 June 1996. *Phase I Environmental Site Assessment of the Jervis B. Webb Properties at 9301 Rayo Avenue and 5030 Firestone Boulevard in South Gate, California.*

Erler & Kalinowski, Inc., 18 February 1998. *Phase II Soil Investigation Report for the Jervis B. Webb Company Property at 5030 Firestone Boulevard in South Gate, California.*

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Erler & Kalinowski, Inc., 13 January 1999. *Additional Groundwater Investigation and Quarterly Monitoring Report for October to December 1998, Jervis B. Webb Company Property, 5030 Firestone Boulevard, South Gate, California.*

Erler & Kalinowski, Inc., 14 April 1999. *Work Plan for Clarifier and Removal and Soil Remediation by Soil Vapor Extraction at the Jervis B. Webb Company Property Located at 5030 Firestone Boulevard, South Gate, California.*

Erler & Kalinowski, Inc., 4 June 1999. *Quarterly Progress Report for January to March 1999, Jervis B. Webb Company Property, 5030 Firestone Boulevard, South Gate, California.*

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TABLES

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TABLE 1

Groundwater Elevations in Monitoring Wells

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Date	Elevation of Top-of-Casing (ft msl)	Depth to Water (ft bgs)	Elevation of Water Surface (ft msl)	Comments
MW-1	2/27/98	106.09	44.79	61.30	
	3/2/98	106.09	44.82	61.27	
	3/4/98	106.09	44.58	61.51	
	4/8/98	106.09	44.57	61.52	
	5/20/98	106.09	43.99	62.10	
	10/8/98	106.09	43.38	62.71	
	11/5/98	106.09	43.14	62.95	
	12/21/98	106.09	43.37	62.72	
	1/19/99	106.09	43.26	62.83	
	2/3/99	106.09	42.98	63.11	
	3/30/99	106.09	43.22	62.87	
	6/1/99	106.09	43.48	62.61	
	7/29/99	106.09	43.82	62.27	
	9/1/99	106.09	43.76	62.33	
	9/23/99	106.09	44.03	62.06	
	10/18/99	106.09	44.43	61.66	
	12/8/99	106.09	44.55	61.54	
	1/27/00	106.09	44.40	61.69	
	2/28/00	106.09	44.34	61.75	
	3/15/00	106.09	44.06	62.03	
	4/13/00	106.09	44.73	61.36	
	5/18/00	106.09	44.58	61.51	
	6/20/00	106.09	44.60	61.49	
	7/13/00	106.09	45.17	60.92	
	8/17/00	106.09	45.30	60.79	
	9/7/00	106.09	45.15	60.94	
MW-2	2/27/98	106.65	44.02	62.63	
	3/2/98	106.65	44.06	62.59	
	3/4/98	106.65	44.13	62.52	
	4/8/98	106.65	NR	--	Truck parked on well.
	5/20/98	106.65	43.51	63.14	
	10/8/98	106.65	42.84	63.81	
	11/5/98	106.65	42.64	64.01	
	12/21/98	106.65	42.69	63.96	
	1/19/99	106.65	42.66	63.99	
	2/3/99	106.65	42.55	64.10	
	3/30/99	106.65	42.63	64.02	
	6/1/99	106.65	42.91	63.74	
	7/29/99	106.65	43.13	63.52	

TABLE 1

Groundwater Elevations in Monitoring Wells

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Date	Elevation of Top-of-Casing (ft msl)	Depth to Water (ft bgs)	Elevation of Water Surface (ft msl)	Comments
MW-2 (cont.)	9/1/99	106.65	43.14	63.51	
	9/23/99	106.65	43.35	63.30	
	10/18/99	106.65	43.60	63.05	
	12/8/99	106.65	43.62	63.03	
	1/27/00	106.65	43.86	62.79	
	2/28/00	106.65	43.86	62.79	
	3/15/00	106.65	43.62	63.03	
	4/13/00	106.65	43.92	62.73	
	5/18/00	106.65	43.50	63.15	
	6/20/00	106.65	43.48	63.17	
	7/13/00	106.65	43.29	63.36	
	8/17/00	106.65	43.38	63.27	
	9/7/00	106.65	44.30	62.35	
MW-3	2/27/98	105.87	44.55	61.32	
	3/2/98	105.87	44.56	61.31	
	3/4/98	105.87	44.40	61.47	
	4/8/98	105.87	44.39	61.48	
	5/20/98	105.87	43.80	62.07	
	10/8/98	105.87	43.26	62.61	
	11/5/98	105.87	43.60	62.27	
	12/21/98	105.87	43.33	62.54	
	1/19/99	105.87	43.18	62.69	
	2/3/99	105.87	42.97	62.90	
	3/30/99	105.87	43.19	62.68	
	6/1/99	105.87	43.58	62.29	
	7/29/99	105.87	43.85	62.02	
	9/1/99	105.87	43.90	61.97	
	9/23/99	105.87	44.10	61.77	
	10/18/99	105.87	44.37	61.50	
	12/8/99	105.87	44.64	61.23	
	1/27/00	105.87	44.69	61.18	
	2/28/00	105.87	44.75	61.12	
	3/15/00	105.87	44.41	61.46	
	4/13/00	105.87	44.86	61.01	
	5/18/00	105.87	44.94	60.93	
	6/20/00	105.87	44.88	60.99	
	7/13/00	105.87	45.25	60.62	
	8/17/00	105.87	45.06	60.81	
	9/7/00	105.87	44.83	61.04	

TABLE 1

Groundwater Elevations in Monitoring Wells

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Date	Elevation of Top-of-Casing (ft msl)	Depth to Water (ft bgs)	Elevation of Water Surface (ft msl)	Comments
MW-4	11/3/98	104.72	42.77	61.95	Well Developed
	11/5/98	104.72	42.64	62.08	
	12/21/98	104.72	42.93	61.79	
	1/19/99	104.72	42.80	61.92	
	2/3/99	104.72	42.63	62.09	
	3/30/99	104.72	42.89	61.83	
	6/1/99	104.72	43.28	61.44	
	7/29/99	104.72	43.63	61.09	
	9/1/99	104.72	43.70	61.02	
	9/23/99	104.72	43.96	60.76	
	10/18/99	104.72	44.22	60.50	
	12/8/99	104.72	44.48	60.24	
	1/27/00	104.72	44.70	60.02	
	2/28/00	104.72	NR	--	Truck parked on well.
	3/15/00	104.72	44.37	60.35	
	4/13/00	104.72	NR	--	Truck parked on well.
	5/18/00	104.72	44.81	59.91	
	6/20/00	104.72	44.94	59.78	
	7/13/00	104.72	45.10	59.62	
	8/17/00	104.72	45.36	59.36	
	9/7/00	104.72	45.31	59.41	
MW-5	11/3/98	106.13	43.32	62.81	Well Developed
	11/5/98	106.13	43.30	62.83	
	12/21/98	106.13	43.58	62.55	
	1/19/99	106.13	43.46	62.67	
	2/3/99	106.13	43.20	62.93	
	3/30/99	106.13	43.49	62.64	
	6/1/99	106.13	43.88	62.25	
	7/29/99	106.13	44.19	61.94	
	9/1/99	106.13	44.22	61.91	
	9/23/99	106.13	44.48	61.65	
	10/18/99	106.13	44.72	61.41	
	12/8/99	106.13	44.98	61.15	
	1/27/00	106.13	45.17	60.96	
	2/28/00	106.13	45.15	60.98	
	3/15/00	106.13	44.87	61.26	
	4/13/00	106.13	45.22	60.91	
	5/18/00	106.13	45.29	60.84	
	6/20/00	106.13	45.30	60.83	

TABLE 1

Groundwater Elevations in Monitoring Wells

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Date	Elevation of Top-of-Casing (ft msl)	Depth to Water (ft bgs)	Elevation of Water Surface (ft msl)	Comments
MW-5 (cont.)	7/13/00	106.13	45.63	60.50	
	8/17/00	106.13	45.85	60.28	
	9/7/00	106.13	45.69	60.44	

NOTES:

ft msl = feet above mean sea level
ft bgs = feet beneath ground surface
NR = Not Recorded
-- Not Applicable

1. Monitoring well northing and easting coordinates and top-of-casing elevations for wells MW-1, MW-2, and MW-3 were surveyed on 6 March 1998 by Rattray & Associates, Inc.
2. Monitoring well northing and easting coordinates and top-of-casing elevations for wells MW-4 and MW-5 were surveyed on 21 December 1998 by Rattray & Associates, Inc.

TABLE 2
Analytical Results for Groundwater Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Sample Number	Sample Date	Analyte Concentration									
			Benzene (ug/L)	Toluene (ug/L)	1,1-DCA (ug/L)	1,1-DCE (ug/L)	1,2-DCA (ug/L)	c-1,2-DCE (ug/L)	t-1,2-DCE (ug/L)	PCE (ug/L)	TCE (ug/L)	TDS (mg/L)
MW-1	MW-1-0304	3/4/98	<100	<100	<100	**220**	<100	**130**	<100	**140**	**24,000**	--
	MW-1-0304DUP	3/4/98	<100	<100	<100	**210**	<100	**150**	<100	**160**	**25,000**	--
	MW-1-0520	5/20/98	<125	<125	<125	**160**	<125	**130**	<125	<125	**24,000**	**1,500**
	MW-1	11/5/98	<125	<125	<125	**140**	<125	**160**	<125	**170**	**28,000**	--
	MW-1	2/3/99	<125	<125	<125	**130**	<125	**160**	<125	**160**	**27,000**	--
	MW-1	6/1/99	<100	<100	<100	**140**	<100	**190**	<100	**160**	**28,000**	--
	MW-1	9/1/99	<100	<100	**140**	**220**	<100	**200**	<100	**190**	**32,000**	--
	MW-1	12/8/99	<250	<250	<250	<250	<250	<250	<250	<250	**30,000**	--
	MW-1-A[3]	12/8/99	<100	<100	**110**	**150**	<100	**200**	<100	**160**	**33,000**	--
	MW-1	3/15/00	<100	<100	<100	**160**	<100	**230**	<100	**150**	**30,000**	--
	MW-1	6/20/00	<100	<100	<100	<100	<100	<100	<100	<100	**24,000**	--
	MW-1	9/7/00	<100	<100	<100	<100	<100	<100	<100	<100	**21,000**	--
MW-2	MW-2-0304	3/4/98	<10	<10	**13**	**34**	<10	**65**	<10	<10	**2,700**	--
	MW-2-0520	5/20/98	<10	<10	**14**	**38**	<10	**68**	<10	<10	**3,000**	**2,500**
	MW-2	11/5/98	<10	<10	**13**	**36**	<10	**68**	<10	<10	**3,200**	--
	MW-2	2/3/99	<10	<10	**13**	**36**	<10	**70**	<10	<10	**3,200**	--
	MW-2	6/1/99	<10	<10	**12**	**34**	<10	**68**	<10	<10	**2,800**	--
	MW-2	9/1/99	<10	<10	**16**	**49**	<10	**72**	<10	<10	**3,100**	--
	MW-2	12/8/99	<13	<13	<13	<13	<13	**57**	<13	<13	**2,400**	--
	MW-2-A[3]	12/8/99	<10	<10	**12**	**22**	<10	**63**	<10	<10	**2,600**	--
	MW-2	3/15/00	<10	<10	<10	<10	<10	**74**	<10	<10	**2,800**	--
	MW-2	6/20/00	<10	<10	<10	<10	<10	**46**	<10	<10	**2,000**	--
	MW-2	9/7/00	<10	<10	<10	<10	<10	**42**	<10	<10	**1,800**	--

TABLE 2
Analytical Results for Groundwater Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Sample Number	Sample Date	Analyte Concentration									
			Benzene (ug/L)	Toluene (ug/L)	1,1-DCA (ug/L)	1,1-DCE (ug/L)	1,2-DCA (ug/L)	c-1,2-DCE (ug/L)	t-1,2-DCE (ug/L)	PCE (ug/L)	TCE (ug/L)	TDS (mg/L)
MW-3	MW-3-0304	3/4/98	<10	13	14	82	<10	200	<10	<10	2,800	--
	MW-3-0520	5/20/98	<10	<10	13	58	<10	230	15	<10	2,800	1,100
	MW-3	11/5/98	<10	<10	11	66	<10	240	18	<10	2,300	--
	MW-3	2/3/99	<10	<10	11	64	<10	220	18	<10	2,000	--
	MW-3	6/1/99	<10	<10	11	66	53	240	18	<10	1,900	--
	MW-3	9/1/99	<10	<10	13	80	<10	270	20	<10	2,600	--
	MW-3	12/8/99	<13	<13	<13	<13	<13	220	<13	<13	2,500	--
	MW-3-A(3)	12/8/99	<10	<10	13	55	<10	240	19	<10	2,900	--
	MW-3	3/15/00	<10	<10	11	61	<10	300	20	<10	3,100	--
	MW-3	6/20/00	<10	<10	10	<10	<10	170	14	<10	1,900	--
	MW-3-DUP	6/20/00	<10	<10	11	<10	<10	200	16	<10	2,100	--
	MW-3	9/7/00	<10	<10	<10	<10	<10	160	<10	<10	1,700	--
	MW-3-DUP	9/7/00	<10	<10	<10	<10	<10	160	<10	<10	1,700	--
MW-4	MW-4	11/5/98	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<0.5	6.7	--
	MW-4	2/3/99	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	--
	MW-4	6/1/99	<0.5	<0.5	<0.5	<0.5	65	1.1	<0.5	<0.5	0.90	--
	MW-4	9/1/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	MW-4	12/8/99	1.2	<0.5	<0.5	<0.5	<0.5	4.1	1.0	<0.5	17	--
	MW-4-A(3)	12/8/99	1.2	<0.5	<0.5	<0.5	<0.5	4.6	1.1	<0.5	18	--
	MW-4	3/15/00	77	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.68	--
	MW-4	6/20/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	MW-4	9/7/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--

TABLE 2
Analytical Results for Groundwater Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Well ID	Sample Number	Sample Date	Analyte Concentration									
			Benzene (ug/L)	Toluene (ug/L)	1,1-DCA (ug/L)	1,1-DCE (ug/L)	1,2-DCA (ug/L)	c-1,2-DCE (ug/L)	t-1,2-DCE (ug/L)	PCE (ug/L)	TCE (ug/L)	TDS (mg/L)
MW-5	MW-5	11/5/98	<25	<25	<25	42	<25	380	30	<25	5,000	--
	MW-5-DUP	11/5/98	<25	<25	<25	40	<25	360	29	<25	4,800	--
	MW-5	2/3/99	<25	<25	<25	49	<25	420	35	<25	5,100	--
	MW-5-DUP	2/3/99	<25	<25	<25	45	<25	370	31	<25	4,500	--
	MW-5	6/1/99	<25	<25	<25	52	35	420	36	<25	5,500	--
	MW-5-DUP	6/1/99	<25	<25	<25	56	39	430	35	<25	5,300	--
	MW-5	9/1/99	<25	<25	<25	40	<25	420	45	<25	5,500	--
	MW-5-DUP	9/1/99	<25	<25	<25	69	<25	440	45	<25	6,000	--
	MW-5	12/8/99	<50	<50	<50	<50	<50	390	<50	<50	5,100	--
	MW-5-A[3]	12/8/99	<25	<25	<25	<25	<25	410	25	<25	5,300	--
	MW-5-DUP	12/8/99	<50	<50	<50	<50	<50	360	<50	<50	5,000	--
	MW-5-DUP-A[3]	12/8/99	<25	<25	<25	<25	<25	410	26	<25	5,300	--
	MW-5	3/15/00	<50	<50	<50	<50	<50	440	<50	<50	5,500	--
	MW-5-DUP	3/15/00	<50	<50	<50	<50	<50	450	<50	<50	5,800	--
	MW-5	6/20/00	<25	<25	<25	<25	<25	350	<25	<25	4,400	--
	MW-5	9/7/00	<10	<10	<10	<10	<10	280	<10	<10	3,700	--

NOTES:

1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
1,2-DCA = 1,2-dichloroethane
c-1,2-DCE = cis-1,2-dichloroethene
t-1,2-DCE = trans-1,2-dichloroethene

PCE = tetrachloroethene
TCE = trichloroethene
TDS = total dissolved solids
VOCs = volatile organic compounds

mg/l = milligrams per liter
ug/l = micrograms per liter
-- indicates not analyzed

1. Analyses performed by Orange Coast Analytical, Inc., in Tustin, California, using EPA Method 8260 for VOCs and EPA Method 160.1 for TDS.
2. < indicates that the analyte was not detected at a concentration above the indicated method detection limit.
3. Samples collected on 8 December 1999 were initially analyzed on 9 December 1999 and were re-analyzed on 17 December 1999 in an attempt to achieve lower method detection limits.

TABLE 3a

Soil Vapor Extraction Data: Blower Influent

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Operation Time	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal: TCE (lb/day)	Estimated VOC Removal: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
System startup on 3/16/00 at 16:00.													
3/16/00	16:45	5.6	0%	4.5	4.1	35	2,000+	**860**	1.8	1.9	0	0	
3/17/00	7:00	20	100%	5.2	4.7	37	94	-					
3/18/00	6:30	45	100%	5.4	4.9	38	128	-					
System shut down on 3/18/00 at 9:40. System restarted on 3/19/00 at 6:30.													
3/19/00	6:30	48	13%	6.1	5.53	38	103	-					
3/20/00	6:30	72	100%	8.6	7.7	43	145	-					
3/21/00	7:00	96	100%	4.8	4.1	60	745	-					
3/22/00	7:30	121	100%	11	10	15	173	**490**	2.5	2.6	10	11	4A
3/30/00	11:00	316	100%	20	18	45	39	-					
4/6/00	11:00	483	100%	25	17	125	42	-					
4/13/00	8:00	648	100%	21	13	150	42	**70**	0.45	0.51	43	45	4A
4/20/00	7:30	815	100%	21	13	145	43	-					
4/27/00	7:00	983	100%	16	10	150	30	-					
5/4/00	8:30	1,152	100%	16	10	150	20	-					
5/11/00	6:30	1,318	100%	14	9.0	150	20	-					
5/18/00	7:00	1,486	100%	19	12	150	38	**53**	0.32	0.34	56	60	4A
				28	18	150	38	-	0.47	0.50	-	-	
5/25/00	6:30	1,654	100%	18	12	150	19	-					
6/1/00	6:30	1,822	100%	18	11	150	34	-					
6/8/00	7:00	1,990	100%	26	16	155	27	-					
6/15/00	7:30	2,158	100%	26	16	150	28	-					
System shut down on 6/21/00 at 17:30. System restarted on 7/6/00 at 10:00.													
7/6/00	10:23	2,312	30%	142	97	130	20	**37**	1.8	2.1	72	77	4B
7/13/00	12:00	2,485	102%	122	79	145	23	**18**	0.70	1.0	81	88	4A
7/20/00	7:30	2,648	100%	115	73	150	15	-					
System shut down on 7/26/00 at 6:30. System restarted on 7/27/00 at 6:00.													
7/27/00	6:00	2,791	86%	75	49	140	14	-					
8/3/00	8:00	2,961	100%	75	49	140	15	-					
8/8/00	14:30	3,086	100%	77	50	140	15	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.													
8/24/00	12:30	3,326	63%	76	50	140	27	-					
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.													
8/31/00	9:00	3,471	88%	64	45	120	36	-					

TABLE 3a

Soil Vapor Extraction Data: Blower Influent

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Operation Time	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal: TCE (lb/day)	Estimated VOC Removal: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.													
9/7/00	10:30	3,621	88%	66	46	125	9.7	-					
9/14/00	9:00	3,788	100%	66	43	140	13	**5.6**	0.12	0.29	104	124	4A
System shut down on 9/14/00 for rebound test.													
9/28/00	11:24	3,788	0%	66	47	120	42	**54**	-	-	-	-	
System shut down on 9/28/00 at 12:00.													

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows (see Notes column in table):
   A: Mass removal calculated using an average of the previous and current mass removal rates.
   B: Mass removal calculated using the previous mass removal rate.
5. On days for which two flow and vacuum readings are provided, the values indicate initial and final readings during the site visit.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples of undiluted blower influent. The total VOC mass removal rate presented in this table is the sum of the undiluted mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.

TABLE 3b

Soil Vapor Extraction Data: Extraction Well SVE-1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	9:25	5.6	0.04	0.04	35	865	**10,000**	0.18	0.19	0	0	
System startup on 3/16/00 at 16:00.												
3/17/00	7:00	20	0.04	0.04	37	191	-					
3/18/00	6:30	45	0.06	0.05	38	195	-					
System shut down on 3/18/00 at 9:40. System restarted on 3/19/00 at 6:30.												
3/19/00	6:30	48	0.70	0.63	38	2,000+	-					
3/20/00	6:30	72	0.63	0.56	43	2,000+	-					
3/21/00	7:00	96	0.61	0.52	60	2,000+	-					
3/22/00	7:30	121	0.58	0.56	15	2,000+	**10,000**	2.8	2.9	7.1	7.3	4A
3/30/00	11:00	316	0.87	0.79	38	1,799	-					
4/6/00	11:00	483	0.45	0.31	125	719	-					
4/13/00	8:00	648	0.85	0.54	150	716	**6,500**	1.7	1.8	57	58	4A
4/20/00	7:30	815	0.70	0.45	145	868	-					
4/27/00	7:00	983	0.87	0.55	150	915	-					
5/4/00	8:30	1,152	0.89	0.56	150	1,427	-					
5/11/00	6:30	1,318	0.92	0.58	150	2,000+	-					
5/18/00	7:00	1,486	1.1	0.68	150	276	**3,700**	1.2	1.3	109	112	4A
			1.1	0.69	150	276	-	1.3	1.3	-	-	
5/25/00	6:30	1,654	1.3	0.84	150	146	-					
6/1/00	6:30	1,822	0.65	0.41	150	128	-					
6/8/00	7:00	1,990	0.67	0.41	155	112	-					
6/15/00	7:30	2,158	0.65	0.41	150	105	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	9:49	2,312	1.3	0.89	130	1,582	**3,300**	-	-	-	-	
System restarted on 7/6/00 at 10:00.												
7/13/00	12:00	2,485	1.3	0.84	145	2,000+	**2,200**	0.92	0.95	154	159	4A
7/20/00	7:30	2,648	1.3	0.83	150	154	-					
System shut down on 7/26/00 at 6:30. System restarted on 7/27/00 at 6:00.												
7/27/00	6:00	2,791	2.0	1.3	140	77	-					
8/3/00	8:00	2,961	2.1	1.4	140	89	-					
8/8/00	14:30	3,086	2.1	1.4	140	92	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												

TABLE 3b

Soil Vapor Extraction Data: Extraction Well SVE-1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
8/24/00	12:30	3,326	2.3	1.5	140	622	-					
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	0.96	0.68	120	1,820	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	1.1	0.78	125	62	-					
9/14/00	9:00	3,788	1.6	1.0	140	76	**300**	0.15	0.16	183	189	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	11:07	3,788	1.6	1.1	120	2,000+	**230**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. On days for which two flow and vacuum readings are provided, the values indicate initial and final readings during the site visit.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well SVE-1. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well SVE-1 is screened in the shallow vadose zone from 19 to 25 feet below ground surface.

TABLE 3c

Soil Vapor Extraction Data: Extraction Well SVE-2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	10:10	5.6	0.61	0.56	35	227	**75**	0.021	0.021	0	0	
System Startup on 3/16/00 at 16:00.												
3/17/00	7:00	20.3	0.61	0.55	37	191	-					
3/18/00	6:30	44.7	0.61	0.55	38	33	-					
System shut down on 3/18/00 at 9:40. System restarted on 3/19/00 at 6:30.												
3/19/00	6:30	47.9	0.65	0.59	38	298	-					
3/20/00	6:30	72.2	0.94	0.84	43	235	-					
3/21/00	7:00	96.3	0.89	0.76	60	227	-					
3/22/00	7:30	120.5	0.57	0.55	15	93	-					
3/30/00	11:00	316	0.59	0.53	38	78	-					
4/6/00	11:00	483	0.74	0.51	125	38	-					
4/13/00	8:00	648	2.5	1.6	150	26	-					
4/20/00	7:30	815	1.1	0.71	145	5.4	-					
4/27/00	7:00	983	2.4	1.5	150	2.7	-					
5/4/00	8:30	1,152	2.3	1.5	150	5.8	-					
5/11/00	6:30	1,318	2.2	1.4	150	5.2	-					
5/18/00	7:00	1,486	2.2	1.4	150	13	-					
			2.0	1.3	150	13	-					
5/25/00	6:30	1,654	2.1	1.3	150	6.8	-					
6/1/00	6:30	1,822	2.1	1.3	150	28	-					
6/8/00	7:00	1,990	2.1	1.3	155	42	-					
6/15/00	7:30	2,158	2.1	1.3	150	38	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	9:25	2,312	1.2	0.83	130	37	**120**	0.050	0.054	3.4	3.6	4A
System restarted on 7/6/00 at 10:00.												
7/13/00	12:00	2,485	1.3	0.80	145	6.8	-					
7/20/00	7:30	2,648	1.3	0.80	150	27	-					
System shut down on 7/26/00 at 6:30. System restarted on 7/27/00 at 6:00.												
7/27/00	6:00	2,791	1.6	1.1	140	18	-					
8/3/00	7:30	2,961	1.6	1.0	140	17	-					
8/8/00	14:30	3,086	1.6	1.0	140	14	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												
8/24/00	12:30	3,326	1.9	1.2	140	1.7	-					

TABLE 3c

Soil Vapor Extraction Data: Extraction Well SVE-2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	1.5	1.1	120	22	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	1.6	1.1	125	16	-					
9/14/00	9:00	3,788	1.6	1.1	140	20	**77**	0.041	0.042	6.2	6.5	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	10:50	3,788	1.4	1.0	120	61	**110**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. On days for which two flow and vacuum readings are provided, the values indicate initial and final readings during the site visit.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well SVE-2. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well SVE-2 is screened in the shallow vadose zone from 18 to 24 feet below ground surface.

TABLE 3d

Soil Vapor Extraction Data: Extraction Well SVE-3

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	9:57	5.6	0.41	0.37	35	31	**25**	0.0047	0.0054	0	0	
System Startup on 3/16/00 at 16:00.												
3/17/00	7:00	20.3	0.98	0.89	37	6.1	-					
3/18/00	6:30	44.7	0.98	0.89	38	8.3	-					
System shut down on 3/18/00 at 9:40. System restarted on 3/19/00 at 6:30.												
3/19/00	6:30	47.9	0.98	0.89	38	45	-					
3/20/00	6:30	72.2	0.98	0.88	43	7.4	-					
3/21/00	7:00	96.3	1.0	0.85	60	11	-					
3/22/00	7:30	120.5	0.95	0.91	15	10	-					
3/30/00	11:00	316.0	0.76	0.69	38	29	-					
4/6/00	11:00	483.0	1.6	1.1	125	25	-					
4/13/00	8:00	648.0	2.1	1.3	150	22	-					
4/20/00	7:30	815.0	1.7	1.1	145	6.8	-					
4/27/00	7:00	983.0	1.2	0.78	150	4.3	-					
5/4/00	8:30	1,152.0	1.6	0.98	150	2.8	-					
5/11/00	6:30	1,318.0	1.6	1.0	150	2.2	-					
5/18/00	7:00	1,486.0	1.6	0.98	150	9.0	-					
			1.6	0.98	150	9.0	-					
5/25/00	6:30	1,654.0	1.6	0.99	150	4.2	-					
6/1/00	6:30	1,822.0	1.5	0.95	150	7.5	-					
6/8/00	7:00	1,990.0	1.4	0.88	155	5.2	-					
6/15/00	7:30	2,158.0	1.4	0.90	150	4.9	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	8:46	2,312	2.3	1.5	130	7.3	**7.4**	0.0057	0.0095	0.50	0.71	4A
System restarted on 7/6/00 at 10:00.												
7/13/00	12:00	2,485	2.3	1.5	145	3.5	-					
7/20/00	7:30	2,648	2.2	1.4	150	4.1	-					
System shut down on 7/26/00 at 6:30. System restarted on 7/27/00 at 6:00.												
7/27/00	6:00	2,791	1.9	1.3	140	5.1	-					
8/3/00	8:00	2,961	1.9	1.2	140	2.2	-					
8/8/00	14:30	2,961	1.9	1.3	140	2.3	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												
8/24/00	12:30	3,326	2.0	1.3	140	1.9	-					

TABLE 3d

Soil Vapor Extraction Data: Extraction Well SVE-3

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	1.4	1.0	120	2.6	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	1.4	1.0	125	1.2	-					
9/14/00	9:00	3,788	1.5	1.0	140	1.5	**2.5**	0.0012	0.0028	0.71	1.1	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	9:52	3,788	1.5	1.1	120	8.0	**3.8**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds
PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. On days for which two flow and vacuum readings are provided, the values indicate initial and final readings during the site visit.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well SVE-3. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well SVE-3 is screened in the shallow vadose zone from 19 to 25 feet below ground surface.

TABLE 3e

Soil Vapor Extraction Data: Extraction Well SVE-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	8:57	5.6	3.7	3.6	6.0	1,580	**1,000**	1.8	1.9	0	0	
System startup on 3/16/00 at 16:00.												
3/17/00	7:00	20.3	4.6	4.5	10	92	-					
3/18/00	6:30	44.7	5.3	5.2	10	131	-					
System shut down on 3/18/00 at 9:40. System restarted on 3/19/00 at 6:30.												
3/19/00	6:30	48	0.0	0.0	0.0	30	-					
3/20/00	6:30	72	5.8	5.7	9.0	164	-					
3/21/00	7:00	96	2.6	2.6	7.0	560	-					
3/22/00	7:30	121	8.9	8.6	15	70	**440**	1.9	2.0	8.8	9.1	4A
3/30/00	11:00	316	24	22	38	36	-					
4/6/00	11:00	483	25	17	125	30	-					
4/13/00	8:00	648	33	21	150	33	**25**	0.26	0.28	32	34	4A
4/20/00	7:30	815	28	18	145	28	-					
4/27/00	7:00	983	18	16	40	25	-					
5/4/00	8:30	1,152	16	10	135	20	-					
5/11/00	6:30	1,318	13	9.7	95	13	-					
5/18/00	7:00	1,486	20	14	120	37	**8.6**	0.061	0.070	38	40	4A
			26	17	150	37	-	0.071	0.081	-	-	
5/25/00	6:30	1,654	18	11	150	16	-					
6/1/00	6:30	1,822	16	10	150	31	-					
6/8/00	7:00	1,990	21	13	155	31	-					
6/15/00	7:30	2,158	21	13	150	31	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	9:34	2,312	0	0	0	30	**92**	-	-	-	-	
System restarted on 7/6/00 at 10:00.												
7/13/00	12:00	2,485	34	22	145	37	**5.1**	0.056	0.25	40	47	4A
7/20/00	7:30	2,648	32	20	150	27	-					
System shut down on 7/26/00 at 6:30. System restarted on 7/27/00 at 6:00.												
7/27/00	6:00	2,791	26	17	140	9.4	-					
8/3/00	8:00	2,961	26	17	140	1.5	-					
8/8/00	14:30	3,086	26	17	140	1.8	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												

TABLE 3e

Soil Vapor Extraction Data: Extraction Well SVE-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
8/24/00	12:30	3,226	27	18	140	17	-					
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	21	15	120	8.9	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	22	15	125	5.8	-					
9/14/00	9:00	3,788	20	13	140	24	**4.0**	0.026	0.23	43	60	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	10:25	3,788	52	36	120	62	**120**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. On days for which two flow and vacuum readings are provided, the values indicate initial and final readings during the site visit.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well SVE-D1. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well SVE-D1 is screened in the shallow vadose zone from 30 to 40 feet below ground surface.

TABLE 3f

Soil Vapor Extraction Data: Monitoring/Extraction Well VMP-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	10:32	5.6	0	0	0	282	**460**					
System startup on 3/16/00 at 16:00 with VMP-D1 used as a monitoring well.												
4/6/00	11:00	483	0	0	0	3.5	-					
4/13/00	8:00	648	0	0	0	23	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	8:57	2,312	35	24	130	30	**9.4**	0.11	0.12	0	0	
System restarted on 7/6/00 at 10:00 with VMP-D1 operating as an extraction well.												
7/13/00	12:00	2,485	33	21	145	3.6	-					
7/20/00	7:30	2,648	34	22	150	3.2	-					
7/27/00	6:00	2,791	26	17	140	9.4	-					
8/3/00	8:00	2,961	25	16	140	1.5	-					
8/8/00	14:30	3,086	24	16	140	1.6	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												
8/24/00	12:30	3,326	22	15	140	2.1	-					
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	19	14	120	0.9	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	20	14	125	0.2	-					
9/14/00	9:00	3,788	20	13	140	1.2	**1.4**	0.0090	0.012	3.7	4.2	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	10:08	3,788	59	41	120	6.3	**8.6**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

TABLE 3f

Soil Vapor Extraction Data: Monitoring/Extraction Well VMP-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. Well VMP-D1 was first used as an extraction well on 6 July 2000.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well VMP-D1. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well VMP-D1 is screened in the shallow vadose zone from 30 to 40 feet below ground surface.

TABLE 3g

Soil Vapor Extraction Data: Monitoring/Extraction Well VMP-D2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	Time	Elapsed Time on Hour Meter (hrs)	Flow (acfm)	Flow (scfm)	Vacuum (in-wc)	Total VOCs by PID (ppmv)	TCE Conc. by Lab (ppmv)	Estimated VOC Removal Rates: TCE (lb/day)	Estimated VOC Removal Rates: Total VOCs (lb/day)	Cumulative Mass Removal: TCE (lbs)	Cumulative Mass Removal: Total VOCs (lbs)	Notes
Static vapor sample collected on 3/16/00.												
3/16/00	10:50	5.6	0	0	0	76	**39**					
System startup on 3/16/00 at 16:00 with VMP-D2 used as a monitoring well.												
4/6/00	11:00	483	0	0	0	150	-					
4/13/00	8:00	648	0	0	0	27	-					
System shut down on 6/21/00 at 17:30. Static vapor sample collected on 7/6/00.												
7/6/00	9:12	2,312	44	30	130	5.2	**5.7**	0.085	0.10	0	0	
System restarted on 7/6/00 at 10:00 with VMP-D2 operating as an extraction well.												
7/13/00	12:00	2,485	41	26	145	5.8	-					
7/20/00	7:30	2,648	42	27	150	3.8	-					
7/27/00	6:00	2,791	21	14	140	8.7	-					
8/3/00	8:00	2,961	21	14	140	4.8	-					
8/8/00	14:30	3,086	22	14	140	4.3	-					
System shut down on 8/15/00 at 11:30. System restarted on 8/21/00 at 10:30.												
8/24/00	12:30	3,326	26	17	140	8.8	-					
System shut down on 8/30/00 at 13:30. System restarted on 8/31/00 at 9:00.												
8/31/00	9:00	3,471	18	13	120	1.5	-					
System shut down on 9/6/00 at 15:00. System restarted on 9/7/00.												
9/7/00	10:30	3,621	17	12	125	0.6	-					
9/14/00	9:00	3,788	17	11	140	9.6	**0.71**	0.0040	0.038	2.8	4.4	4A
System shut down on 9/14/00 for rebound test. Static vapor sample collected on 9/28/00.												
9/28/00	9:35	3,788	42	29	125	39.0	**9.3**	-	-	-	-	
System shut down on 9/28/00 at 12:00.												

TABLE 3g

Soil Vapor Extraction Data: Monitoring/Extraction Well VMP-D2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

NOTES:

TCE = trichloroethene
acfm = actual cubic feet per minute
°F = degrees Fahrenheit
hrs = hours
in-wc = inches of water column
lb/day = pounds per day
lbs = pounds

PID = photoionization detector
ppmv = parts per million by volume
scfm = standard cubic feet per minute
tr = trace (concentration detected at less than reporting limit)
VOCs = volatile organic compounds
- = no measurement
< = not detected at indicated method detection limit

1. PID calibrated with 100 ppmv of isobutylene.
2. Laboratory analyses were performed by Performance Analytical, Inc. in Simi Valley, California using EPA Method TO-14A.
3. Removal rates are calculated using analyte concentrations from laboratory analyses and the measured flow rate (converted from acfm to scfm using the measured vacuum).
4. Cumulative mass removal amounts are calculated as follows:
   A: Mass removal calculated using an average of the previous and current mass removal rates.
5. Well VMP-D1 was first used as an extraction well on 6 July 2000.
6. Although not shown on this table, mass removal rates were calculated for each VOC detected in the samples collected from well VMP-D2. The total VOC mass removal rate presented in this table is the sum of the mass removal rates calculated for each VOC that was detected. See Table 5 for concentrations of each VOC detected in samples of soil vapor collected at the site.
7. Extraction well VMP-D1 is screened in the shallow vadose zone from 30 to 40 feet below ground surface.

TABLE 4

Field Data for Soil Vapor Monitoring Probes

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Date	VMP-1		VMP-2		VMP-D1		VMP-D2	
	Vacuum (in-wc)	Total VOCs by PID [1,2] (ppmv)	Vacuum (in-wc)	Total VOCs by PID [1,2] (ppmv)	Vacuum (in-wc)	Total VOCs by PID [1,3] (ppmv)	Vacuum (in-wc)	Total VOCs by PID [1,3] (ppmv)
3/16/00	-	68	-	150	-	530	-	71
3/17/00	1.8	-	1.0	-	4.7	-	5.2	-
3/18/00	1.3	-	1.1	-	6.6	-	6.0	-
3/19/00	1.1	-	0.7	-	2.2	-	2.4	-
3/20/00	2.1	-	1.4	-	2.6	-	3.5	-
3/21/00	2.4	-	2.2	-	5.4	-	6.8	-
3/22/00	2.6	-	2.3	-	5.8	-	4.5	-
3/30/00	1.8	-	1.8	-	15	-	16	-
4/6/00	2.8	6.4	4.2	7.4	23	3.5	24	150
4/13/00	4.0	8.2	2.5	6.2	21	23	22	27
5/11/00	4.6	-	4.0	-	19	-	16	-
5/18/00	3.2	-	3.4	-	17	-	18	-
	3.8	-	2.7	-	21	-	22	-
7/6/00	-	0.0	-	2.6	-	-	-	-
7/13/00	2.6	-	1.9	-	-	-	-	-
7/20/00	2.9	-	2.1	-	-	-	-	-
7/27/00	2.6	-	1.9	-	-	-	-	-
9/14/00	5.2	0.5	2.4	0.7	-	-	-	-
9/14/00	-	1.3	-	2.4	-	-	-	-

NOTES:

in-wc = inches of water column
PID = photoionization detector
ppmv = parts per million by volume
VOCs = volatile organic compounds
- = no measurement

1. PID calibrated with 100 ppmv of isobutylene.
2. Each shallow vapor monitoring probe was purged of approximately 5 to 7 cubic feet of vapor and then sampled and analyzed using a PID.
3. Each deep vapor monitoring probe was purged of approximately 50 to 65 cubic feet of vapor and then sampled and analyzed using a PID.
4. On days for which two vacuum and PID readings are provided, the values indicate initial and final readings during the site visit.
5. Probes VMP-D1 and VMP-D2 have been used as extraction wells since 6 July 2000. For data collected at wells VMP-D1 and VMP-D2, see Tables 3f and 3g, respectively.
6. Soil vapor monitoring probes VMP-1 and VMP-2 are screened in the shallow vadose zone from approximately 19 to 25 feet beneath the ground surface.
7. Soil vapor monitoring probes VMP-D1 and VMP-D2 are screened in the deep vadose zone from approximately 30 to 40 and 31 to 41 feet beneath the ground surface, respectively.

TABLE 5

Summary of Laboratory Analytical Data for Soil Vapor Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Location	Date	System Running?	Analyte Concentration (ppmv)															
			Acetone	Benzene	Carbon Disulfide	1,1-DCE	c-1,2-DCE	Ethylbenzene	Methylene Chloride	MEK	PCE	1,1,1-TCA	TCE	Toluene	m,p-Xylenes	o-Xylene	Other	
Blower Influent	3/16/00	N	<21	<16	<16	**8.2 tr**	<13	<12	<14	<17	**19**	<9.2	**860**	**49**	<12	<12	-	
	3/22/00	Y	<8.4	<6.3	<6.4	<5.0	<5.0	<4.6	<5.8	<6.8	**11**	**3.0 tr**	**490**	**3.9 tr**	<4.6	<4.6	-	
	4/13/00	Y	<2.1	<1.6	**7.7**	**0.76 tr**	<1.3	<1.2	**0.91 tr**	**0.90 tr**	**1.2**	<0.92	**70**	**2.1**	<1.2	<1.2	-	
	DUP	Y	<2.1	<1.6	**8.5**	**0.72 tr**	<1.3	<1.2	<1.4	<1.7	**1.1**	<0.92	**65**	**1.8**	<1.2	<1.2	-	
	5/18/00	Y	<2.1	<1.6	<1.6	<1.3	<1.3	<1.2	<1.5	<1.7	**2.2**	<0.93	**53**	<1.3	<1.2	<1.2	-	
	7/6/00	N	**2.2**	**0.56 tr**	**1.6**	**0.51**	<0.51	<0.46	**0.48 tr**	<0.68	**0.82**	**0.19 tr**	**37**	<0.53	**0.50**	<0.46	Bromomethane	**0.37 tr**
																	Chloroform	**0.37 tr**
																	CFC-11	**0.35 tr**
																	CFC-113	**0.38**
																	1,1-DCA	**0.26 tr**
	7/13/00	Y	<0.84	**10**	<0.64	**0.36 tr**	<0.51	**0.66**	<0.58	<0.68	**0.82**	<0.37	**18**	<0.53	**0.67**	<0.46		
	9/14/00	Y	<0.21	**10**	<0.16	**0.27**	<0.13	**0.20**	<0.14	<0.17	**0.25**	<0.09	**5.6**	**0.75**	**0.62**	**0.14**		
	9/28/00	N	<0.84	**14**	<0.64	**0.48 tr**	<0.50	**0.75**	<0.58	<0.68	**0.95**	<0.37	**54**	**1.0**	**1.2**	**0.28 tr**		
SVE-1	3/16/00	N	<210	<160	<160	<130	<130	<120	<140	<170	**230**	**53 tr**	**10,000**	**170**	<120	<120	-	
	3/22/00	Y	<84	<63	<64	<50	<50	<46	<58	<68	**140**	**43**	**10,000**	**42 tr**	<46	<46	-	
	4/13/00	Y	<210	<160	<160	<130	<130	<120	<140	<170	**120**	<92	**6,500**	<130	<120	<120	-	
	5/18/00	Y	<17	<13	<13	<10	<10	<9.2	<12	<14	**94**	**7.3 tr**	**3,700**	<11	<9.2	<9.2	-	
	7/6/00	N	<42	<31	**63**	<25	<25	<23	<29	<34	**110**	<19	**3,300**	<27	<23	<23	-	
	7/13/00	Y	<21	<16	<16	<13	<13	<12	<15	<17	**60**	<9.3	**2,200**	<13	<12	<12	-	
	9/14/00	Y	<17	<13	<13	<10	<10	<9.2	<12	<14	**9.1**	<7.3	**300**	**6.7 tr**	**5.1 tr**	<9.2	-	
	9/28/00	N	<8.4	<6.3	<6.4	<5.0	<5.0	<4.6	<5.8	<6.8	**7.1**	<3.7	**230**	<5.3	<4.6	<4.6	-	
SVE-2	3/16/00	N	<1.7	<1.3	<1.3	**0.72 tr**	<1.0	<0.92	<1.2	<1.4	**1.2**	<0.73	**75**	<1.1	<0.92	<0.92	-	
	DUP	N	<1.7	<1.3	<1.3	**0.80 tr**	<1.0	<0.92	<1.2	<1.4	**1.5**	<0.73	**96**	**1.3**	<0.92	<0.92	-	
	7/6/00	N	<4.2	<3.1	**6.6**	<2.5	<2.5	<2.3	<2.9	<3.4	**3.6**	<1.9	**120**	<2.7	<2.3	<2.3	Chloroform	**1.4 tr**
	9/14/00	Y	<2.1	<1.6	<1.6	<1.3	<1.3	<1.2	<1.4	<1.7	**0.98**	<0.92	**77**	<1.3	<1.2	<1.2	-	
	9/28/00	N	<4.2	<3.1	<3.2	<2.5	<2.5	<2.3	<2.9	<3.4	**1.4 tr**	<1.8	**110**	<2.7	<2.3	<2.3	-	

002411

TABLE 5

Summary of Laboratory Analytical Data for Soil Vapor Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Location	Date	System Running?	Analyte Concentration (ppmv)															
			Acetone	Benzene	Carbon Disulfide	1,1-DCE	c-1,2-DCE	Ethylbenzene	Methylene Chloride	MEK	PCE	1,1,1-TCA	TCE	Toluene	m,p-Xylenes	o-Xylene	Other	
SVE-3	3/16/00	N	<0.84	<0.63	<0.64	**0.56**	<0.50	<0.46	<0.58	<0.68	**2.7**	<0.37	**25**	<0.53	<0.46	<0.46	-	
	7/6/00	N	<0.21	<0.16	<0.16	**0.19**	<0.13	<0.12	<0.15	**0.19**	**3.7**	<0.093	**7.4**	<0.13	<0.12	<0.12	-	
	9/14/00	Y	<0.08	<0.06	<0.06	**0.11**	<0.05	<0.05	<0.06	<0.07	**2.2**	**0.07**	**2.5**	**0.06**	**0.08**	**0.03 tr**	-	
	9/28/00	N	<0.21	<0.16	<0.16	**0.16**	<0.13	<0.12	<0.14	**0.56**	**3.8**	**0.095**	**3.8**	<0.13	<0.12	<0.12	-	
VMP-1	3/16/00	N	<0.84	<0.63	<0.64	**0.58**	<0.50	<0.46	<0.58	<0.68	**1.0**	<0.37	**29**	<0.53	<0.46	<0.46	-	
	7/6/00	N	**0.022**	**0.0011 tr**	**0.0043**	**0.011**	<0.0013	**0.0015**	**0.0010 tr**	**0.012**	**0.0028**	**0.0017**	**0.13**	**0.0045**	**0.0085**	**0.0039**	Chloromethane	**0.0021 tr**
																	Chloroform	**0.00054 tr**
																	CFC-11	**0.00081 tr**
																	CFC-113	**0.00060 tr**
																	1,1-DCA	**0.0023**
																	MTBE	**0.0017**
	9/14/00	Y	**0.097**	**0.0078**	<0.0064	<0.0050	<0.0050	**0.0041 tr**	**0.0033 tr**	**0.089**	**0.025**	<0.0037	**0.29**	**0.022**	**0.023**	**0.0010**	2-Hexanone	**0.0090**
																	Styrene	**0.0045 tr**
	9/28/00	N	**0.071**	<0.013	<0.013	<0.010	<0.010	<0.0092	<0.012	**0.061**	**0.040**	<0.0073	**0.47**	**0.0059 tr**	**0.0087 tr**	**0.0046 tr**		
VMP-2	3/16/00	N	<1.7	<1.3	<1.3	<1.0	<1.0	<0.92	<1.2	<1.4	**2.0**	<0.73	**43**	**1.5**	<0.92	<0.92	-	
	7/6/00	N	<0.14	<0.10	<0.11	<0.085	<0.085	<0.077	<0.097	<0.11	**0.24**	<0.062	**5.2**	<0.089	<0.077	<0.077	-	
	9/14/00	Y	**0.25**	**0.0091**	<0.0080	<0.0063	**0.011**	**0.0050 tr**	**0.0040 tr**	**0.21**	**0.18**	**0.011**	**0.52**	**0.027**	**0.027**	**0.012**	2-Hexanone	**0.0018**
																	4-Methyl-2-Pentanone	**0.0054 tr**
																	Styrene	**0.0054 tr**
	9/28/00	N	**0.053**	<0.013	<0.013	<0.010	**0.010**	<0.0092	<0.012	**0.050**	**0.22**	**0.0070 tr**	**0.52**	**0.0076 tr**	**0.013**	**0.0067 tr**	2-Hexanone	**0.0076 tr**

002412

TABLE 5

Summary of Laboratory Analytical Data for Soil Vapor Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Location	Date	System Running?	Analyte Concentration (ppmv)															
			Acetone	Benzene	Carbon Disulfide	1,1-DCE	c-1,2-DCE	Ethylbenzene	Methylene Chloride	MEK	PCE	1,1,1-TCA	TCE	Toluene	m,p-Xylenes	o-Xylene	Other	
SVE-D1	3/16/00	N	<42	<31	<32	<25	<25	<23	<29	<34	16	<18	1,000	<27	<23	<23	-	
	3/22/00	Y	<8.4	<6.3	<6.4	11	<5.0	<4.6	<5.8	<6.8	6.4	<3.7	440	3.2 tr	<4.6	<4.6	-	
	4/13/00	Y	<1.1	<0.78	1.2	0.99	0.87	<0.58	<0.72	<0.85	0.28 tr	<0.46	25	0.40 tr	<0.58	<0.58	-	
	5/18/00	Y	<0.42	0.19 tr	<0.32	0.30	0.30	<0.23	<0.29	<0.34	0.57	<0.19	8.6	<0.27	<0.23	<0.23	-	
	7/6/00	N	5.3	<1.6	3.3	0.66 tr	<1.3	<1.2	<1.5	<1.7	1.6	<0.93	92	0.90 tr	<1.2	<1.2	Chloroform	0.79 tr
	DUP	N	<2.1	<1.6	4.3	0.92 tr	<1.3	<1.2	<1.5	<1.7	1.5	<0.93	93	<1.3	<1.2	<1.2	Chloroform	0.98 tr
																	CFC-11	0.67 tr
																	CFC-113	0.76
	7/13/00	Y	<0.42	25	<0.32	<0.25	<0.25	1.5	<0.29	<0.34	<0.15	<0.19	5.1	0.24 tr	1.4	<0.23	-	
	9/14/00	Y	<0.84	40	<0.64	<0.50	<0.50	1.1	<0.58	<0.68	0.16 tr	<0.37	4.0	3.7	3.6	0.81	-	
	DUP	Y	<0.84	32	<0.64	<0.50	<0.50	0.59	<0.58	<0.68	<0.30	<0.37	2.9	2.4	1.8	0.41 tr	-	
	9/28/00	N	<4.2	21	<3.2	<2.5	<2.5	<2.3	<2.9	<3.4	0.96 tr	<1.8	120	<2.7	<2.3	<2.3	-	
	DUP	N	<4.2	23	<3.2	<2.5	<2.5	<2.3	<2.9	<3.4	1.1 tr	<1.8	130	<2.7	<2.3	<2.3	-	
VMP-D1	3/16/00	N	<17	<13	<13	5.8 tr	<10	<9.2	<12	<14	8.3	<7.3	460	11	<9.2	<9.2	-	
	7/6/00	N	<0.21	<0.16	<0.16	<0.13	<0.13	<0.12	<0.15	1.5	0.17	<0.093	9.4	<0.13	<0.12	<0.12	-	
	9/14/00	Y	<0.042	0.020 tr	<0.032	<0.025	0.039	0.013 tr	<0.029	<0.034	0.27	<0.018	1.4	0.061	0.081	0.037	Styrene	0.025
	9/28/00	N	<0.21	<0.16	<0.16	<0.13	<0.13	<0.12	<0.14	<0.17	0.38	<0.092	8.6	<0.13	<0.12	<0.12	-	
VMP-D2	3/16/00	N	<0.84	<0.63	<0.64	1.2	<0.50	<0.46	<0.58	<0.68	0.75	<0.37	39	0.83	<0.46	<0.46	-	
	7/6/00	N	<0.21	<0.16	0.28	0.55	0.069 tr	<0.12	<0.15	0.34	0.35	<0.093	5.7	<0.13	<0.12	<0.12	1,1-DCA	0.067 tr
	9/14/00	Y	<0.08	5.6	<0.06	0.95	0.05 tr	0.20	<0.06	<0.07	0.14	<0.04	0.71	0.35	0.46	0.10	Chlorobenzene	0.29
																	Chloroform	0.60
																	1,1-DCA	0.08
																	1,2-Dichlorobenzene	0.02 tr
																	1,4-Dichlorobenzene	0.05
																	Styrene	0.03 tr
	9/28/00	N	<0.42	25	<0.32	1.1	<0.25	1.4	<0.29	<0.34	0.50	<0.18	9.3	2.2	2.3	0.27	Chlorobenzene	0.25

002413

TABLE 5

Summary of Laboratory Analytical Data for Soil Vapor Samples

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California

Location	Date	System Running?	Analyte Concentration (ppmv)															
			Acetone	Benzene	Carbon Disulfide	1,1-DCE	c-1,2-DCE	Ethylbenzene	Methylene Chloride	MEK	PCE	1,1,1-TCA	TCE	Toluene	m,p-Xylenes	o-Xylene	Other	
Equipment Blank	3/16/00	-	<0.042	<0.031	<0.032	<0.025	<0.025	<0.023	<0.029	<0.034	**0.064**	<0.018	**1.7**	<0.027	<0.023	<0.023	-	
	7/6/00	-	**0.0071**	**0.00076**	**0.0011**	<0.00025	<0.00025	**0.00094**	**0.00033**	**0.0018**	**0.0016**	<0.00019	**0.00042**	**0.0037**	**0.0062**	**0.0029**	Carbon Tet	**0.00014 tr**
																	CFC-11	**0.00046**
																	CFC-113	**0.00013**
																	Chloromethane	**0.00077**
																	1,2-Dichlorobenzene	**0.00010 tr**
																	MTBE	**0.0018**
																	Styrene	**0.00028**
	9/14/00	-	**0.016**	**0.0055**	<0.0016	<0.0013	<0.0013	**0.0038**	**0.0076**	**0.0044**	**0.00047 tr**	<0.00092	**0.0013**	**0.021**	**0.022**	**0.010**	MTBE	**0.0039**
																	Styrene	**0.0059**
	9/14/00	-	**0.0097**	**0.0044**	<0.0016	<0.0013	<0.0013	**0.0022**	**0.0029**	**0.0018**	**0.0011**	<0.00092	**0.014**	**0.011**	**0.012**	**0.0055**	MTBE	**0.0026**
																	Styrene	**0.0029**
	9/28/00	-	**0.0094**	**0.0022 tr**	<0.0032	<0.0025	<0.0025	**0.0021 tr**	**0.027**	**0.0019 tr**	<0.0015	<0.0018	<0.0019	**0.009**	**0.014**	**0.0073**	MTBE	**0.0032**
																	Styrene	**0.0022 tr**
	9/28/00	-	**0.0078**	**0.0031**	<0.0032	<0.0025	<0.0025	**0.0015 tr**	<0.0029	<0.0034	**0.00093 tr**	<0.0018	**0.015**	**0.0052**	**0.0066**	**0.0031**	MTBE	**0.0026 tr**

NOTES:
Carbon Tet = Carbon tetrachloride
CFC-11 = Trichlorofluoromethane
CFC-113 = Trichlorotrifluoroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
c-1,2-DCE = cis-1,2-dichloroethene

MEK = Methyl ethyl ketone (aka 2-Butanone)
MTBE = Methyl tert-butyl ether
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene

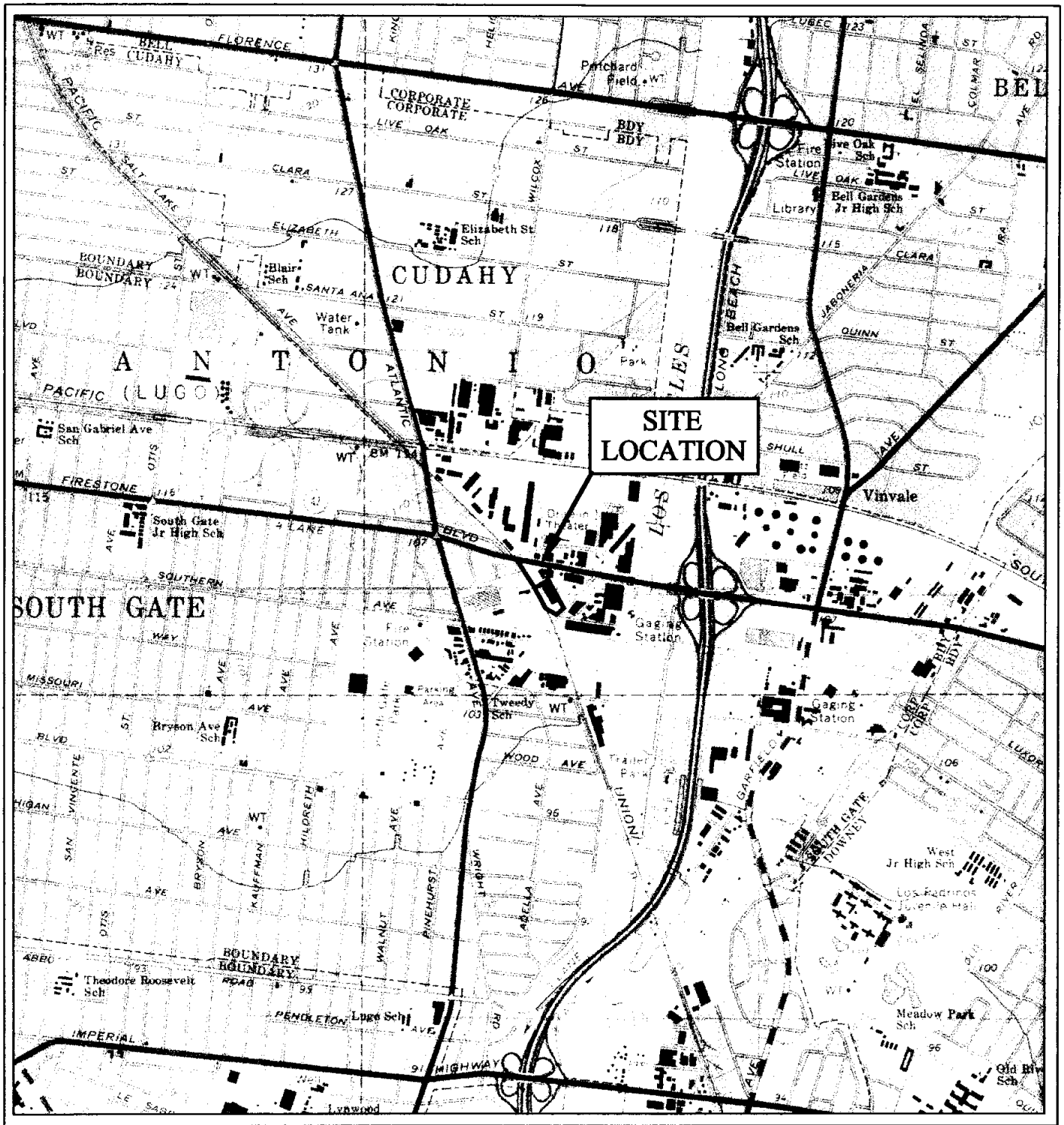
DUP = Duplicate sample
ppmv = parts per million by volume
tr = trace (concentration detected at less than method detection
ug/l = micrograms per liter
- = no measurement
< = not detected at indicated method detection limit

1. Samples were collected in Tedlar bags and analyzed by Performance Analytical, Inc., in Simi Valley, California, using EPA Method TO-14A.
2. Wells SVE-1, SVE-2, and SVE-3 are shallow zone extraction wells. Probes VMP-1 and VMP-2 are shallow zone monitoring probes. Well SVE-D1 is a deep zone extraction well. Wells VMP-D1 and VMP-D2 have been used as deep zone extraction wells since 6 July 2000. Wells VMP-D1 and VMP-D2 were used as deep zone monitoring probes prior to 6 July 2000.

002414

FIGURES

002415



N

0 2,000 4,000

(Approximate Scale in Feet)

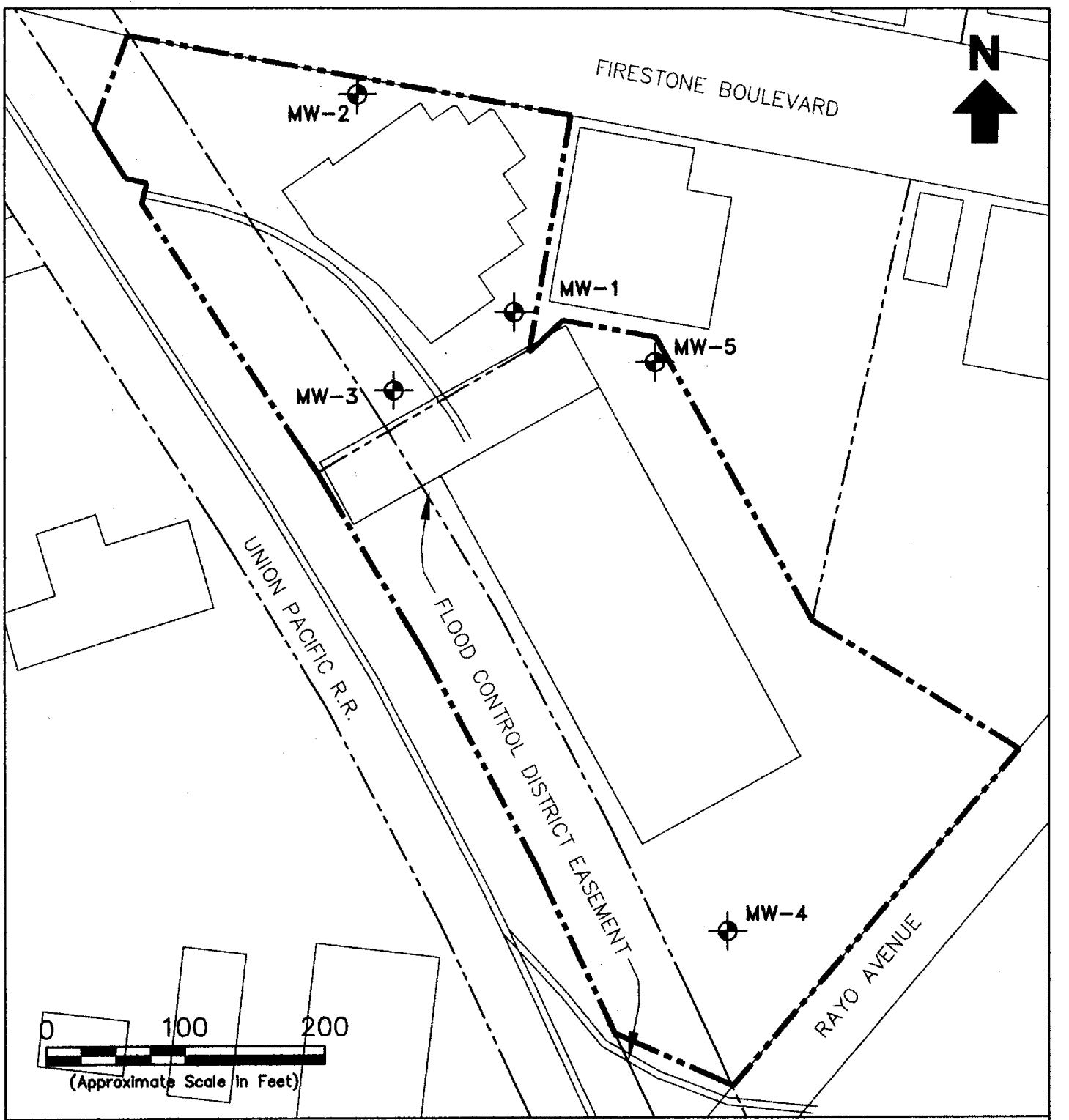
Erler & Kalinowski, Inc.

Site Location Map

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Source: U.S.G.S 7.5 Minute Series "South Gate" Quadrangle, 1964, photorevised 1981.

Figure 1



LEGEND

Groundwater Monitoring Well

Property Line/Site Boundary

Erler & Kalinowski, Inc.

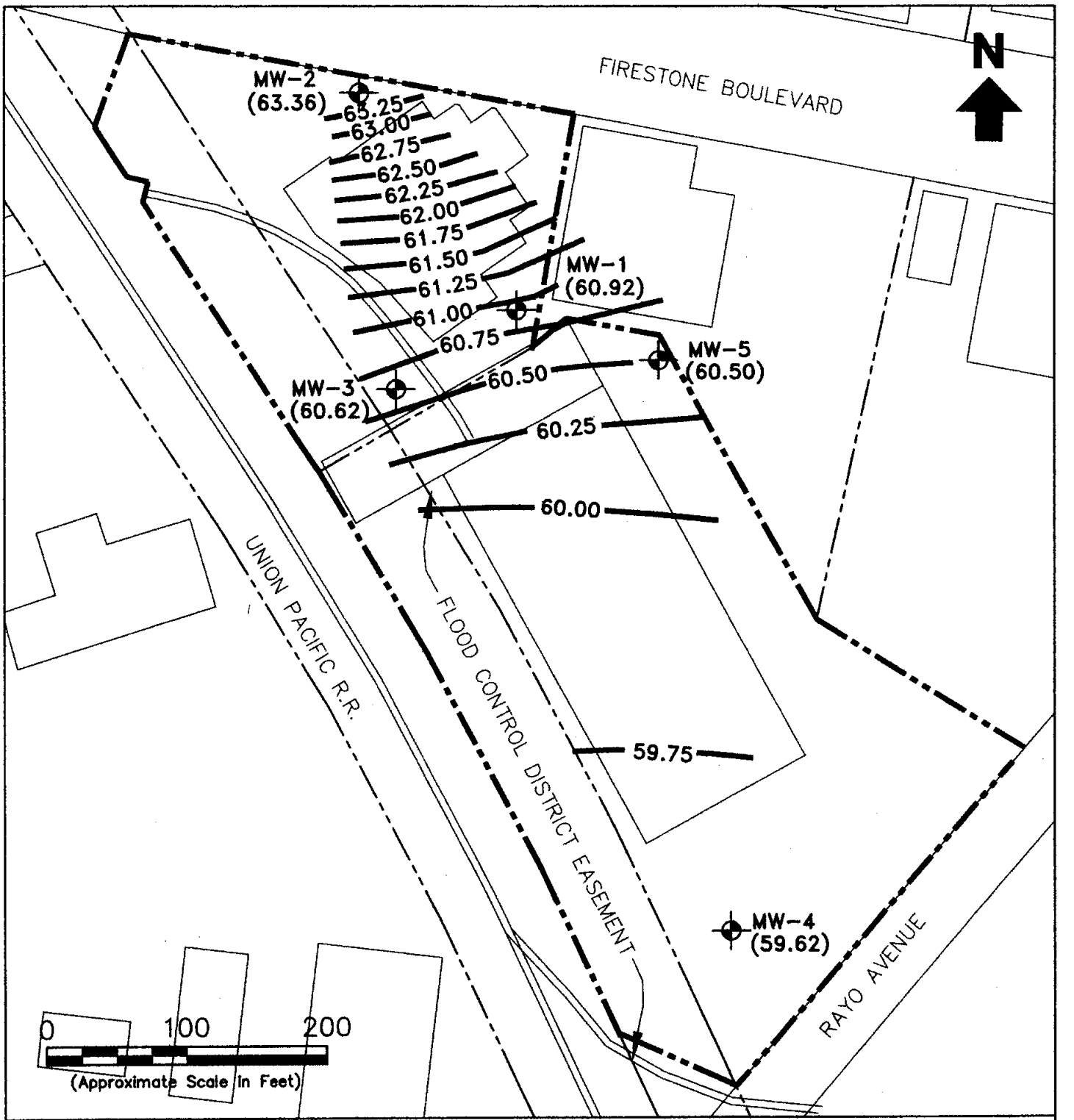
Groundwater Monitoring Well Locations

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 2

Notes:

1. All locations are approximate.



LEGEND

Contour Representing the Elevation of the Groundwater Table in Feet Above Mean Sea Level (msl)

MW-3 (62.61) Groundwater Monitoring Well with Groundwater Elevation (msl)

Property Line/Site Boundary

Notes:

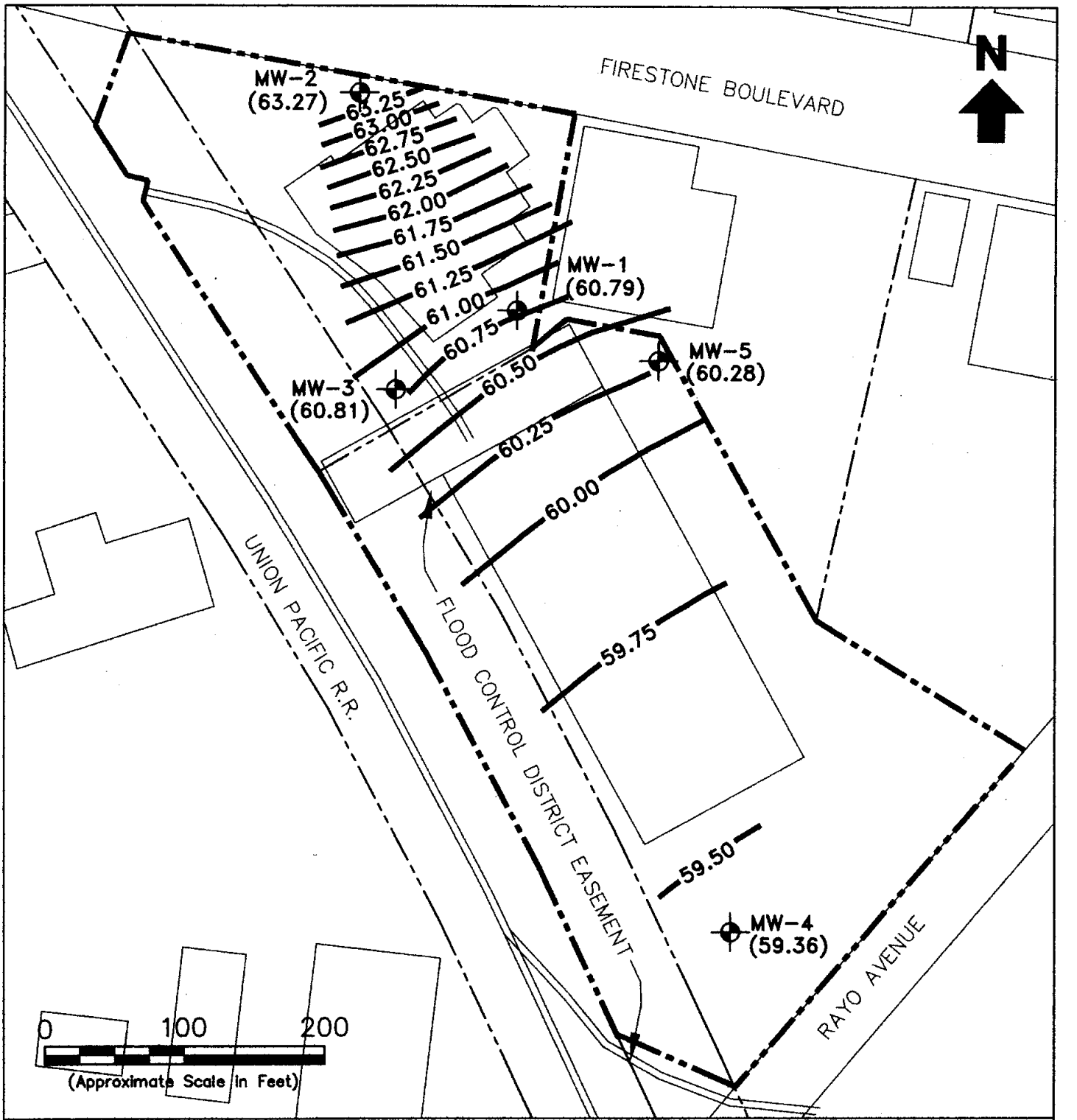
1. All locations are approximate.
2. NR = Not Recorded

Erler & Kalinowski, Inc.

Elevation of the Groundwater Table on 13 July 2000

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 3



LEGEND

Contour Representing the Elevation of the Groundwater Table in Feet Above Mean Sea Level (msl)

MW-3 (62.61) Groundwater Monitoring Well with Groundwater Elevation (msl)

Property Line/Site Boundary

Notes:

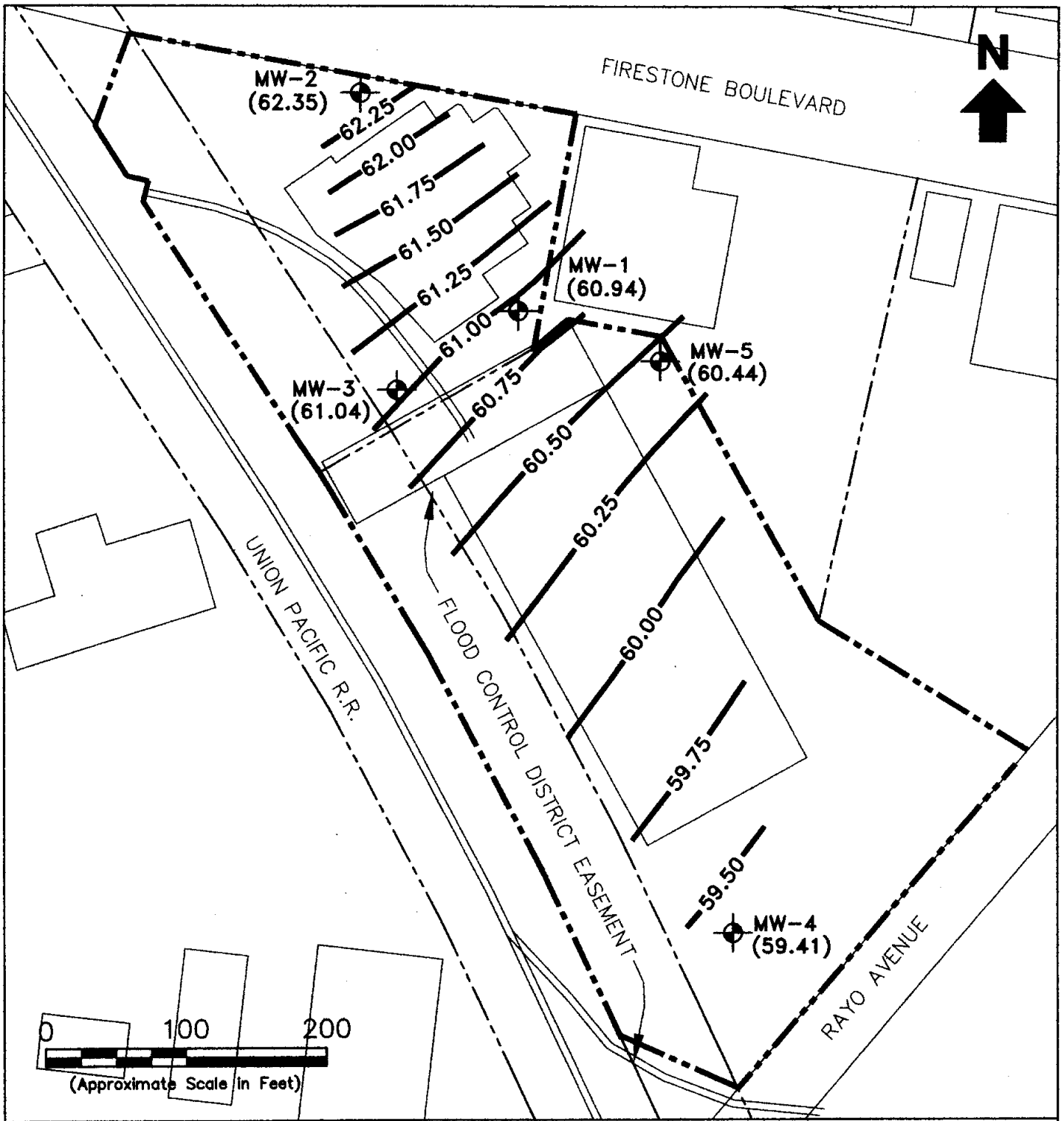
1. All locations are approximate.
2. NR = Not Recorded

Erler & Kalinowski, Inc.

Elevation of the Groundwater Table on 17 August 2000

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 4



LEGEND

Contour Representing the Elevation of the Groundwater Table in Feet Above Mean Sea Level (msl)

MW-3 (62.61) Groundwater Monitoring Well with Groundwater Elevation (msl)

Property Line/Site Boundary

Notes:

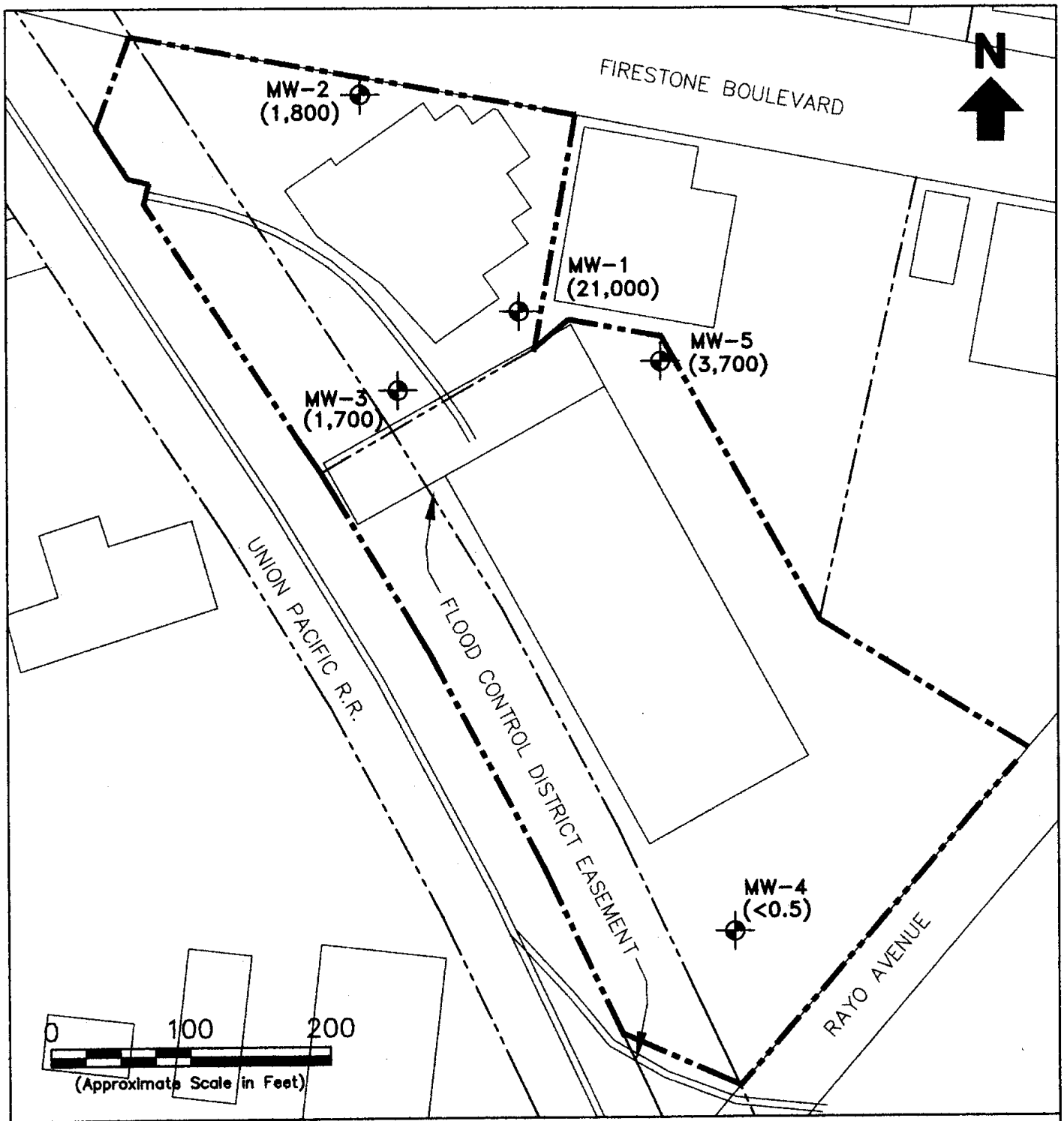
1. All locations are approximate.
2. NR = Not Recorded

Erler & Kalinowski, Inc.

Elevation of the Groundwater Table on 7 September 2000

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 5



LEGEND

Property Line/Site Boundary

Groundwater Monitoring Well

Notes:

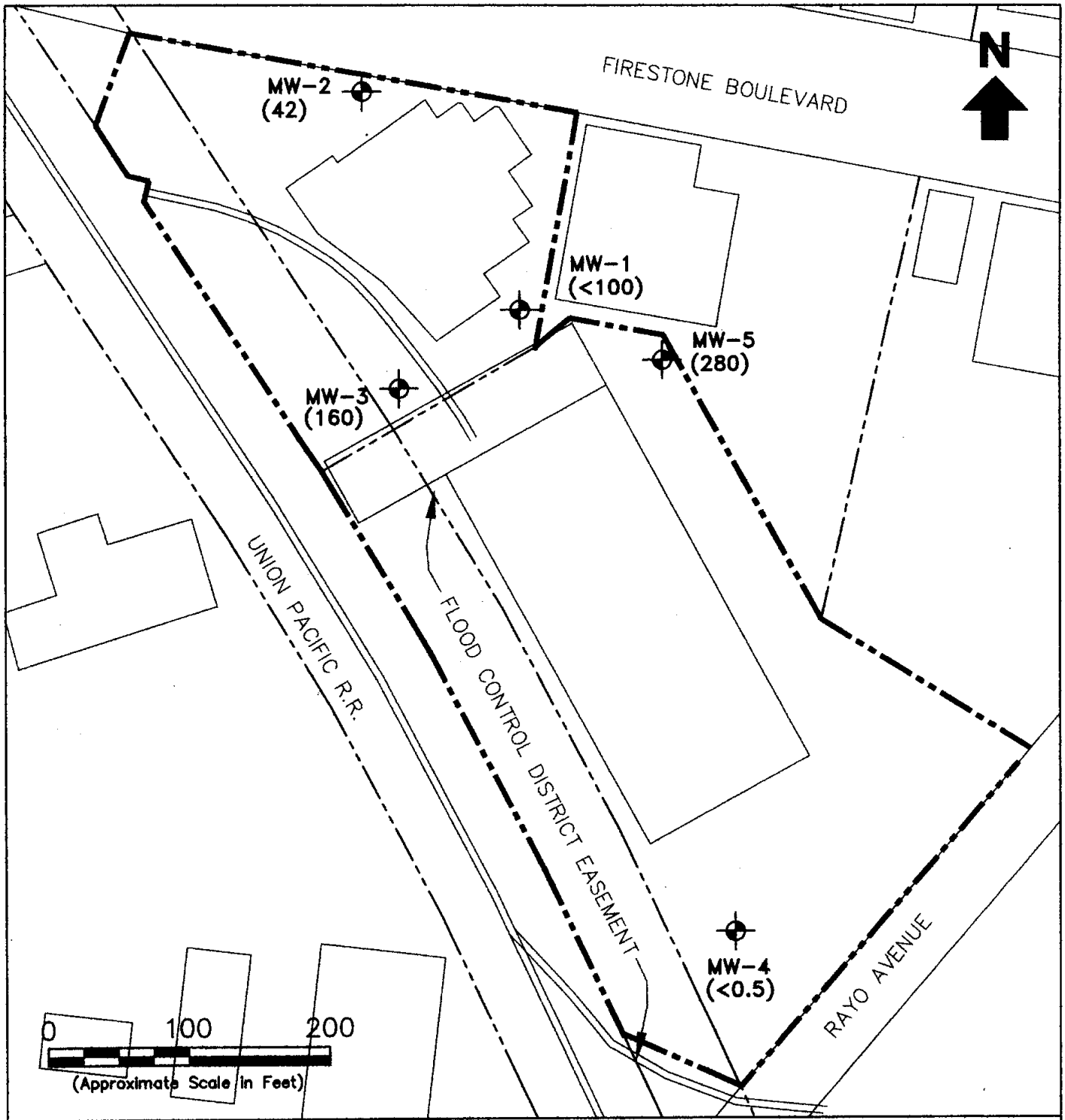
1. All locations are approximate.
2. Groundwater samples were collected on 7 September 2000.
3. Concentrations shown in units of micrograms per liter.

Erler & Kalinowski, Inc.

Concentrations of Trichloroethene Detected in Groundwater Samples

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 6



LEGEND

Property Line/Site Boundary

Groundwater Monitoring Well

Notes:

1. All locations are approximate.
2. Groundwater samples were collected on 7 September 2000.
3. Concentrations shown in units of micrograms per liter.

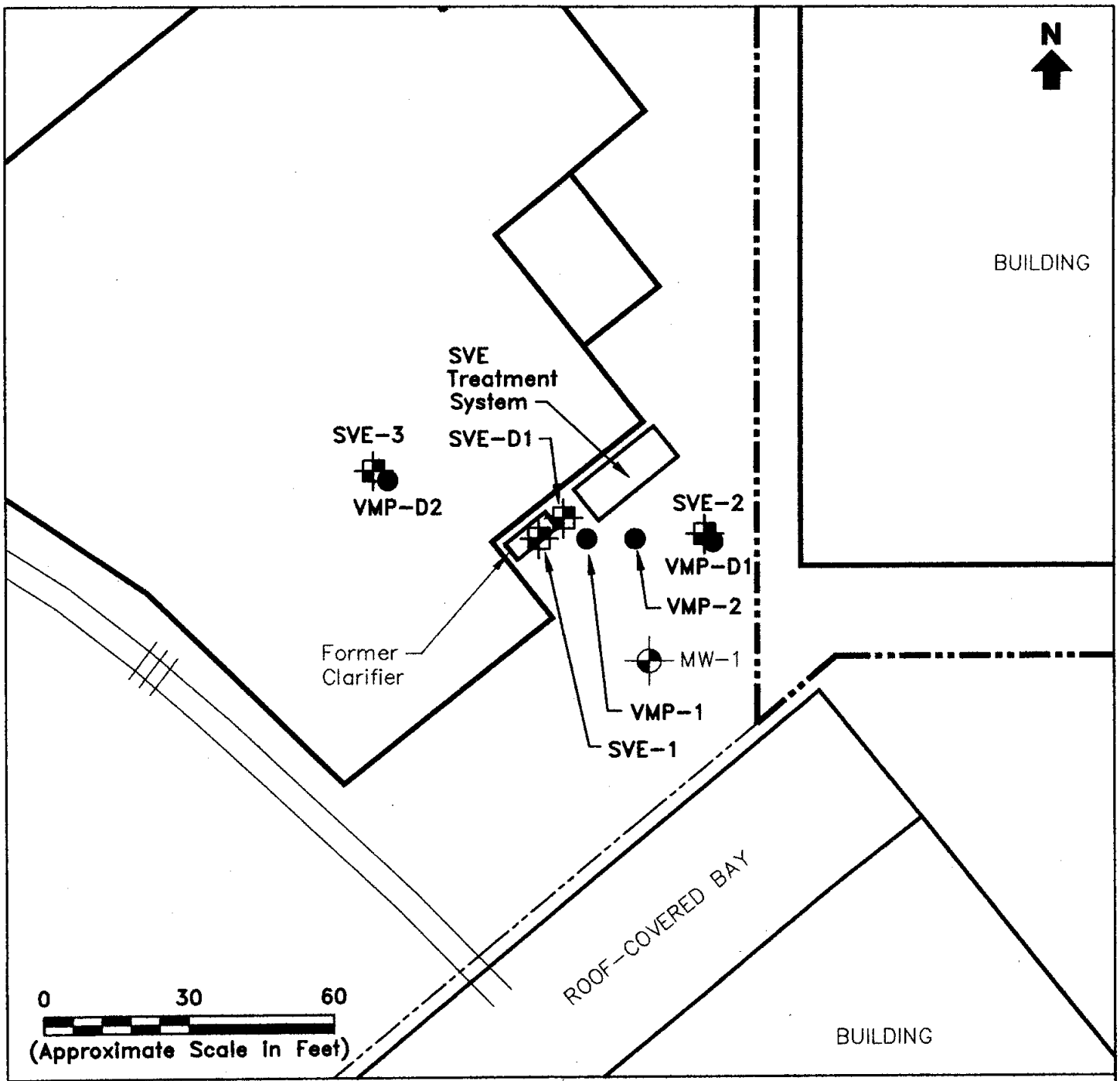
Erler & Kalinowski, Inc.

Concentrations of Cis-1,2-Dichloroethene Detected in Groundwater Samples

Jervis B. Webb Company of California
South Gate, California

October 2000
EKI 991103.01

Figure 7



LEGEND

- Location of Soil Vapor Extraction Wells
- Location of Vapor Monitoring Probe
- Location of Groundwater Monitoring Well
- Property Line/Site Boundary
- Building
- Railroad Spur

Notes:

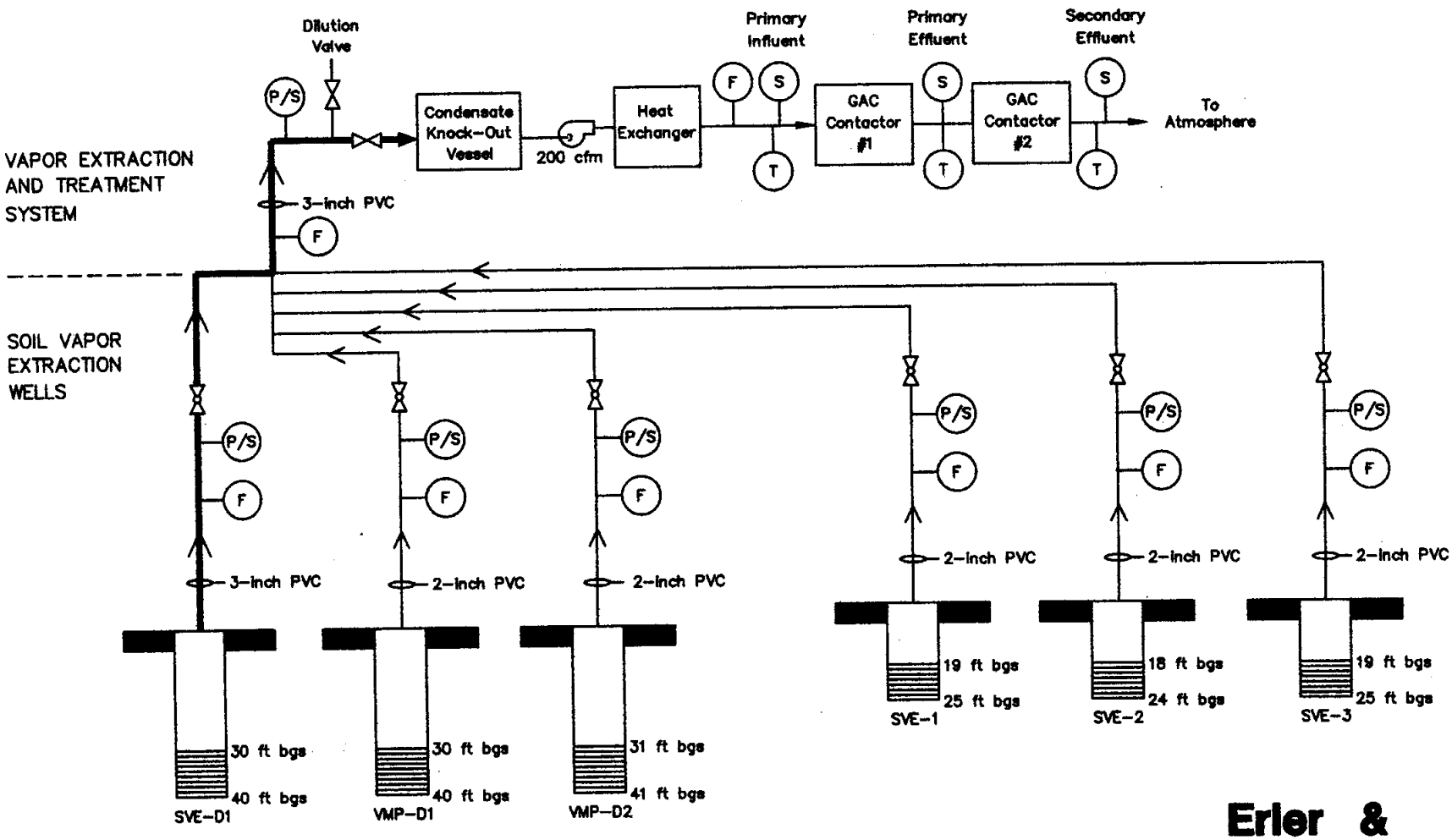
1. All locations are approximate.
2. SVE = Soil Vapor Extraction

Erler & Kalinowski, Inc.

Layout of the Soil Vapor Extraction System

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 8



LEGEND

- F — Flow Port
- P/S — Pressure/Sample Port
- S — Sample Port
- T — Temperature Gage
- Ball Valve
- Gate Valve
- Well Screen
- Flow Direction
- SVE Blower

Notes:

1. Not to scale.
2. Pressure/Sampling Ports are 1/4" hose barbs.
3. Abbreviations:
   - cfm = cubic feet per minute
   - ft bgs = feet below ground surface
   - GAC = granular activated carbon
   - SVE = soil vapor extraction

Erler & Kalinowski, Inc.

Soil Vapor Extraction System Schematic

Jervis B. Webb Company of California
South Gate, California
October 2000
EKI 991103.01

Figure 9

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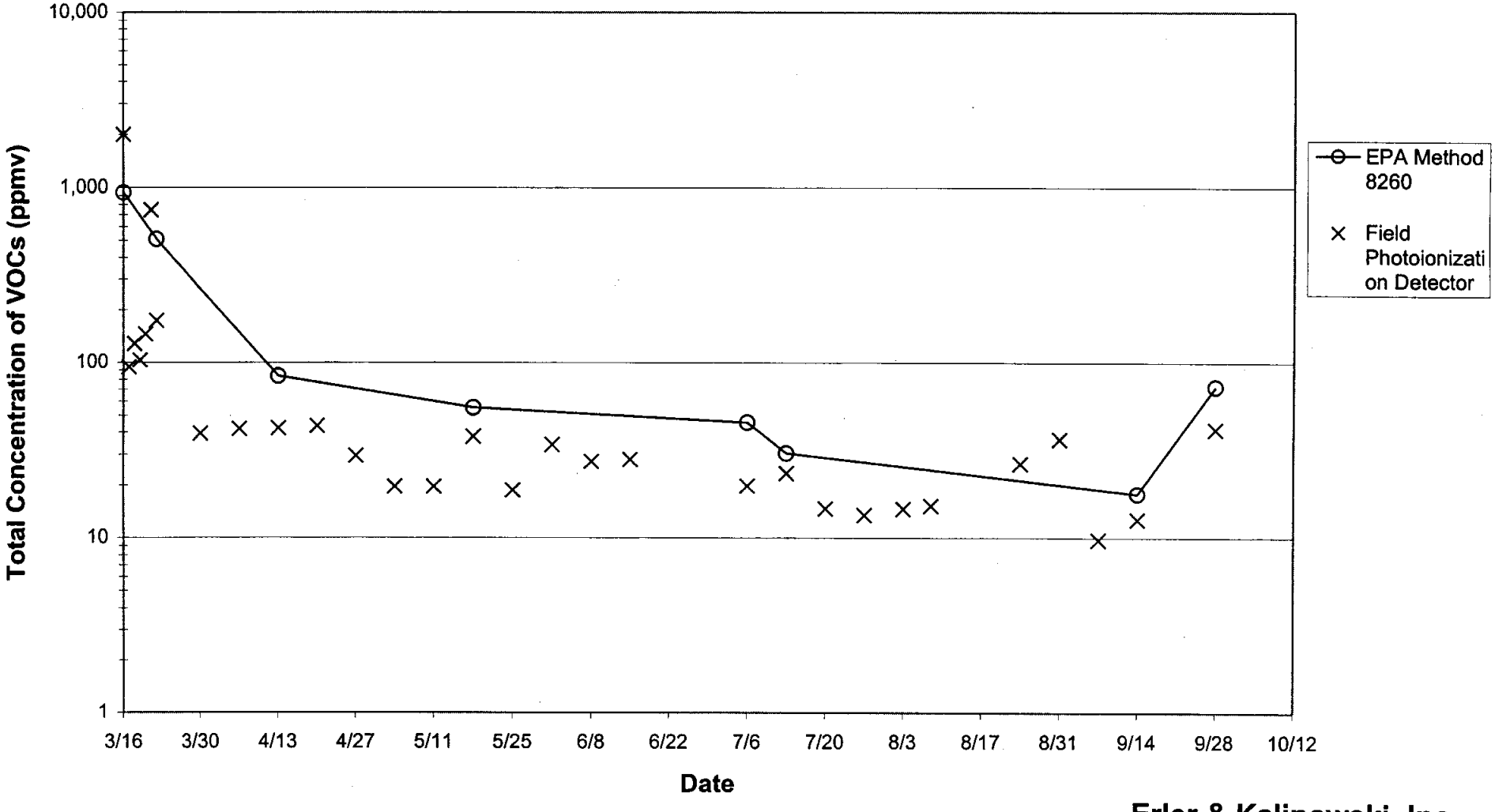
FIGURE 10a

Concentrations of Total VOCs versus Time: Blower Influent

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

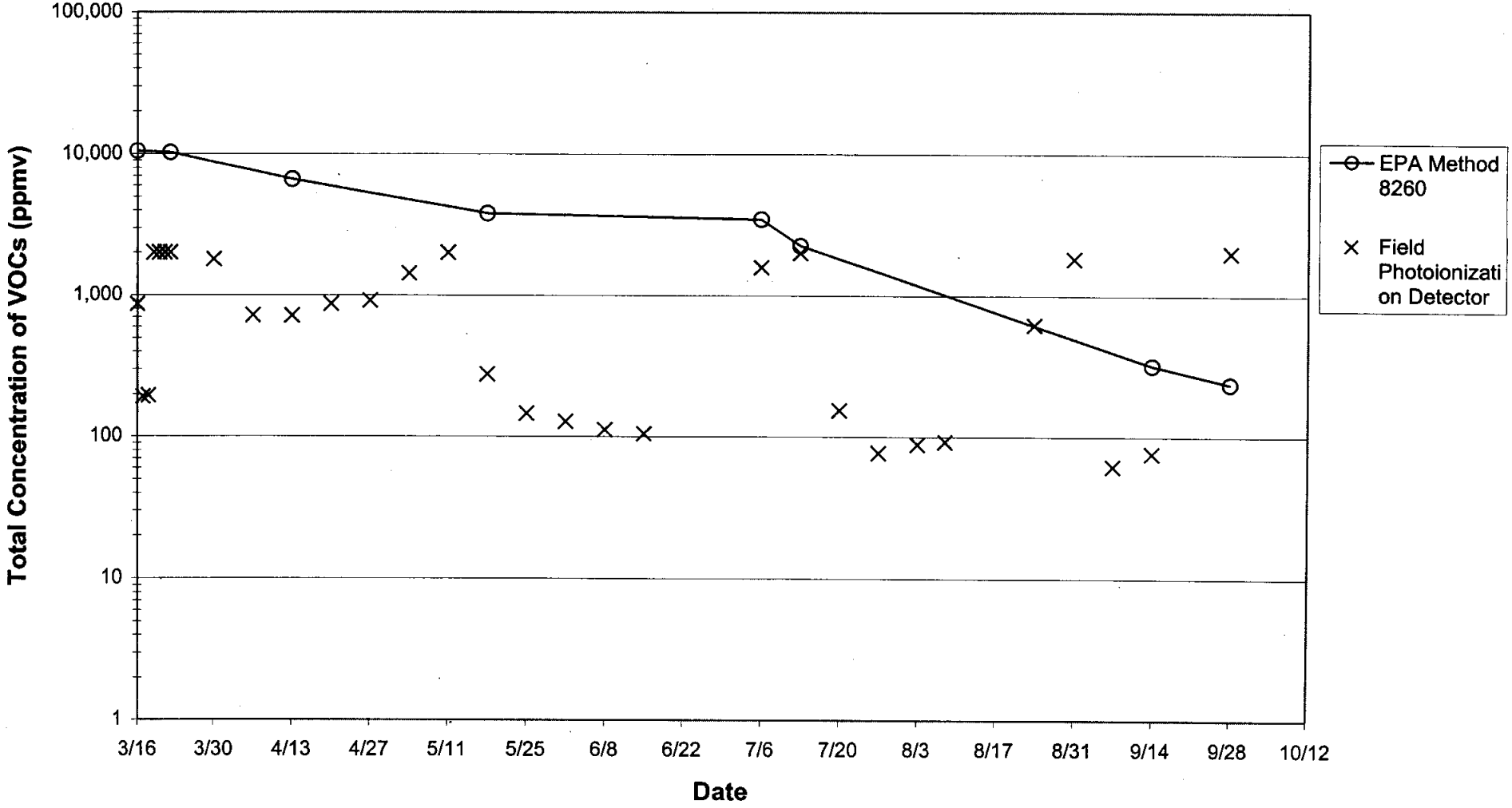
002425

FIGURE 10b

Total Concentrations of VOCs versus Time: Extraction Well SVE-1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

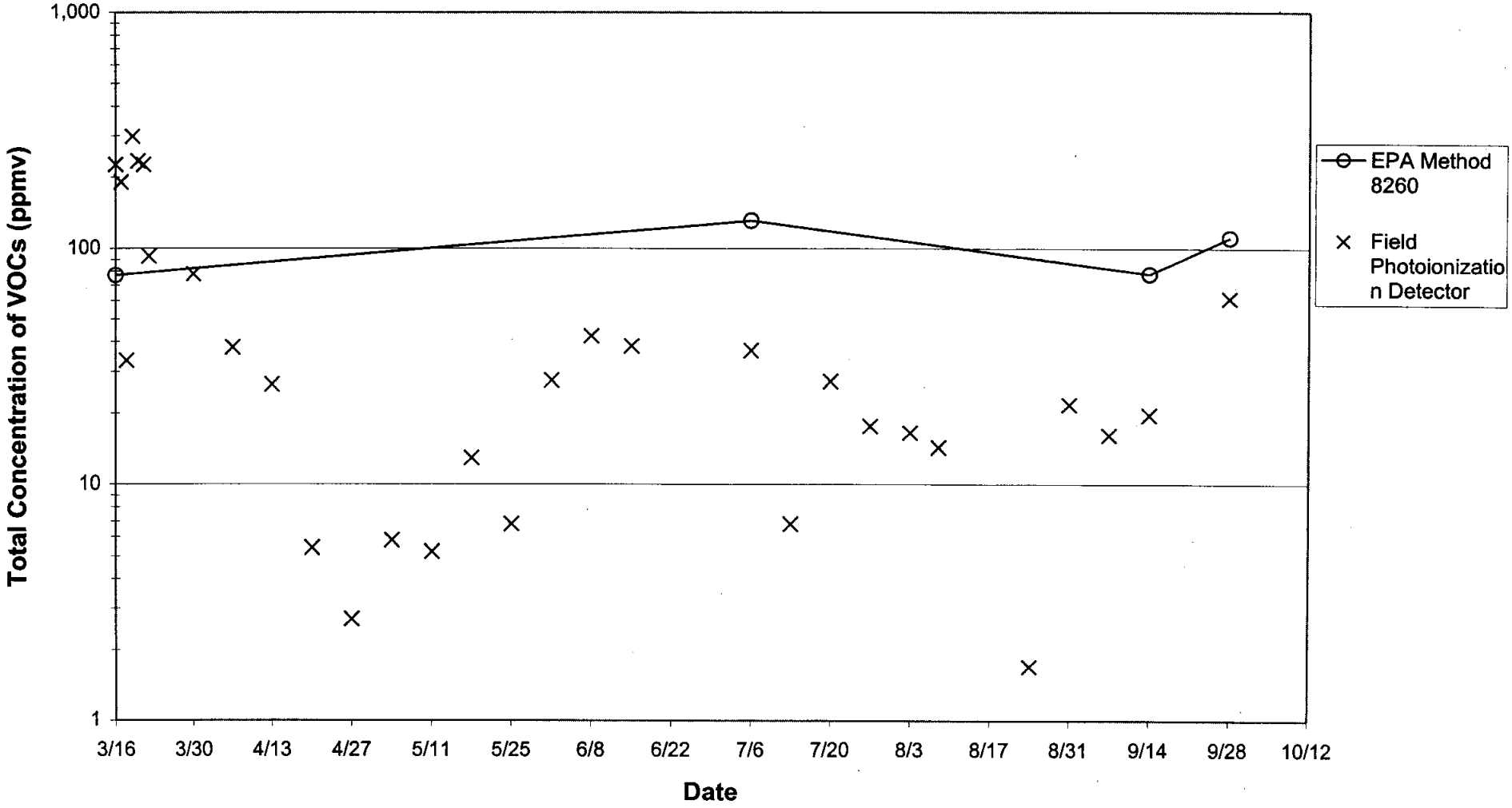
002426

FIGURE 10c

Concentrations of Total VOCs versus Time: Extraction Well SVE-2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

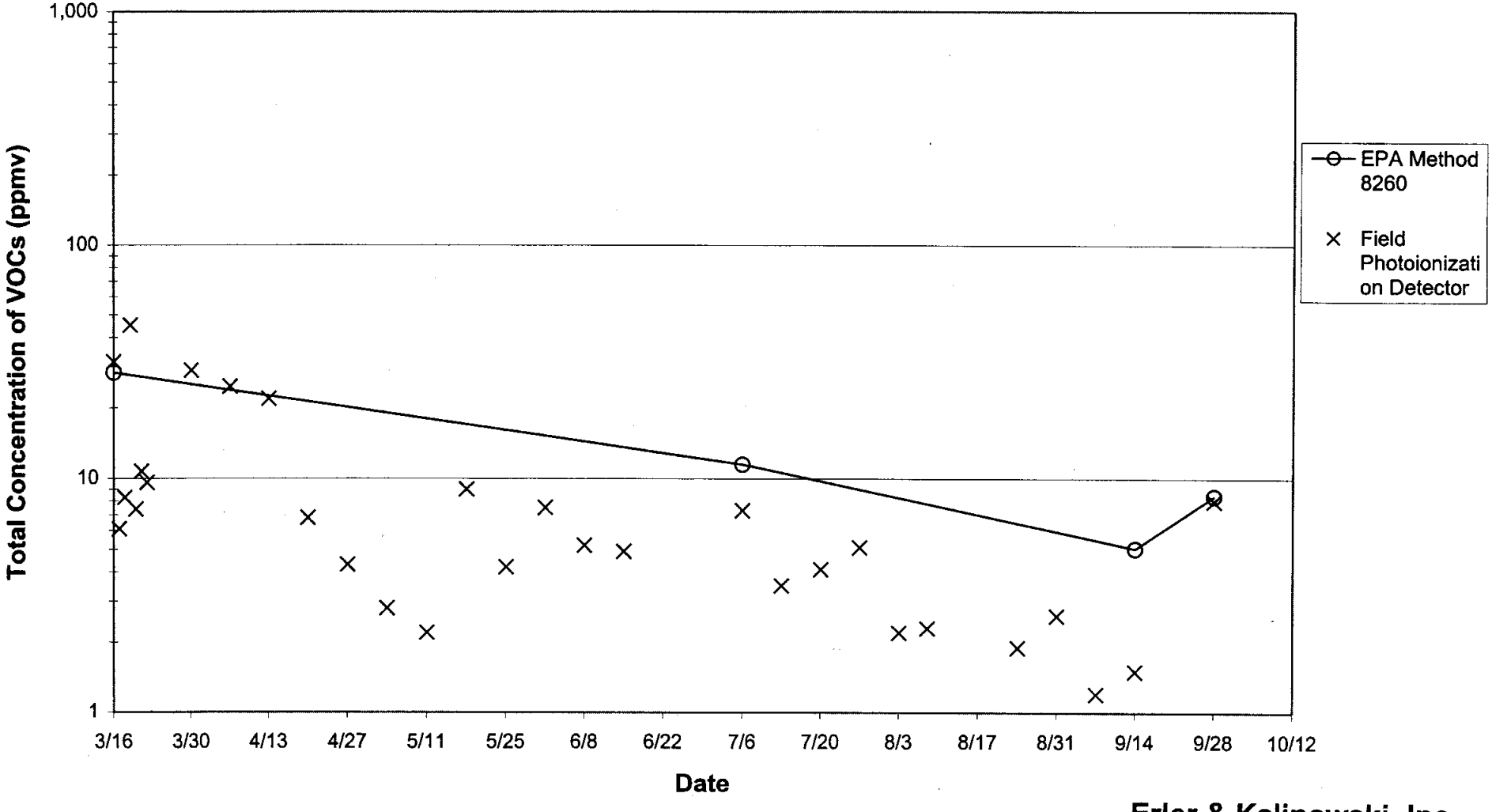
002427

FIGURE 10d

Concentrations of Total VOCs versus Time: Extraction Well SVE-3

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

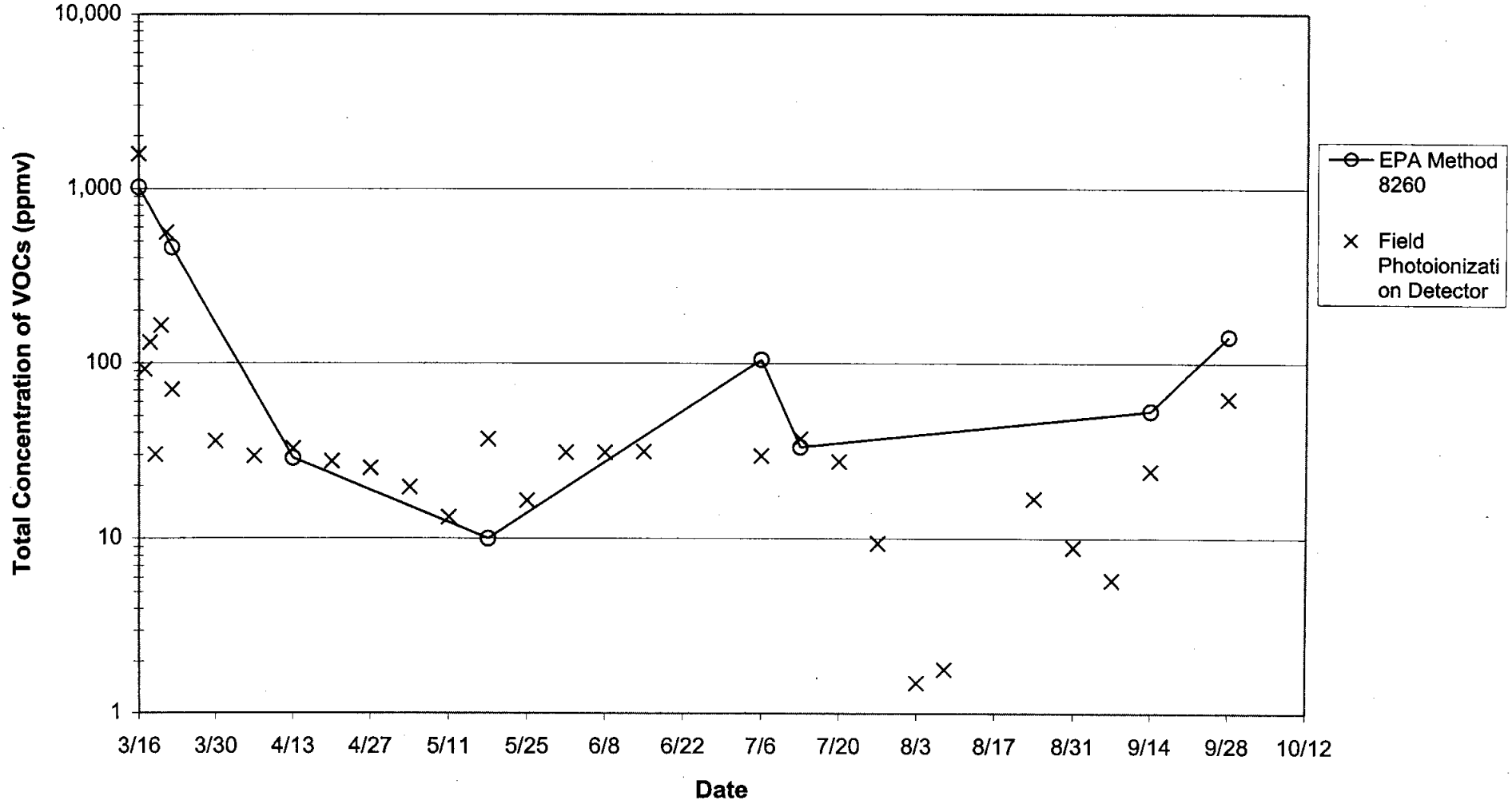
002428

FIGURE 10e

Concentrations of Total VOCs versus Time: Extraction Well SVE-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

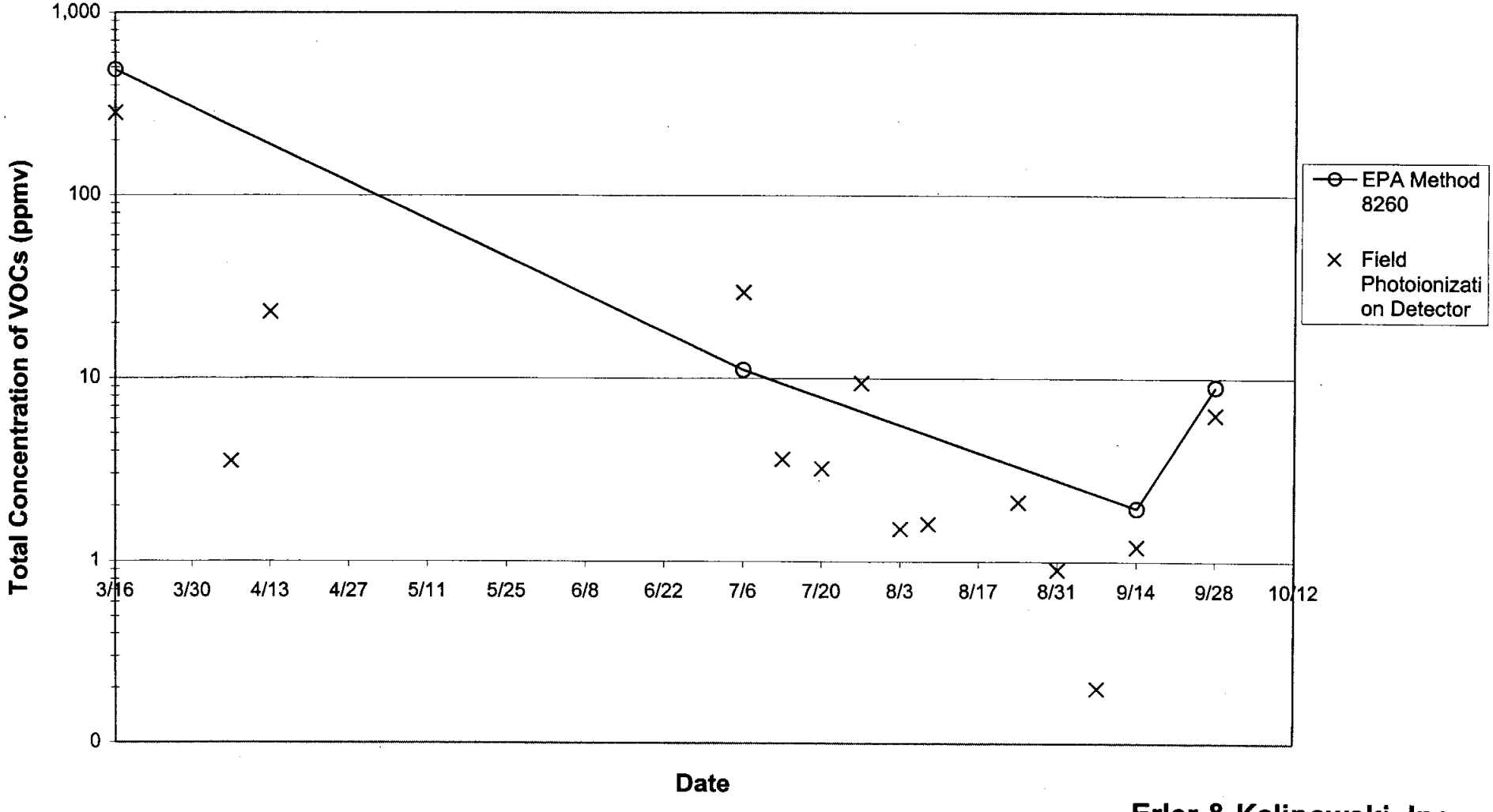
002429

FIGURE 10f

Concentrations of Total VOCs versus Time: Extraction Well VMP-D1

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

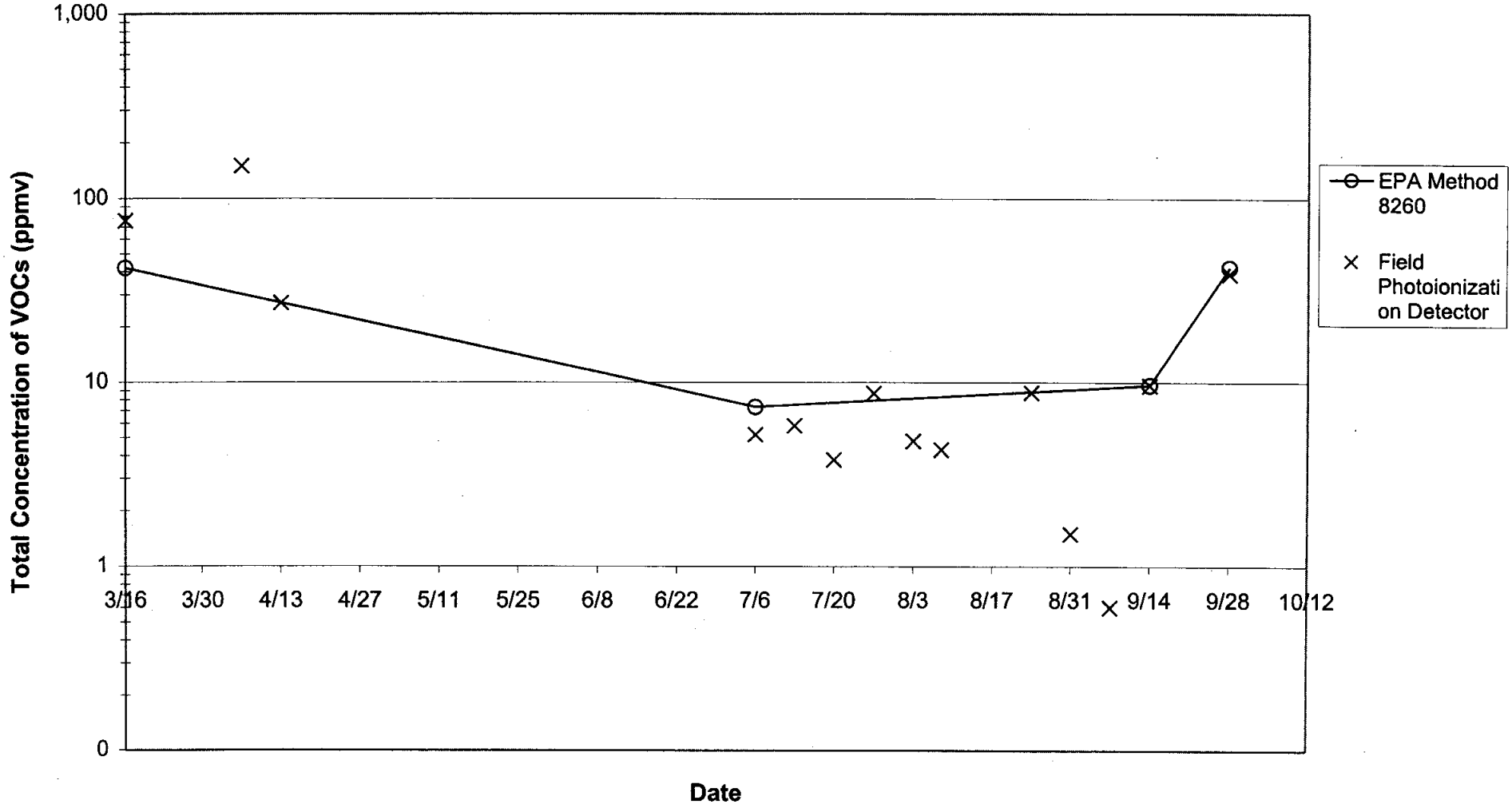
002430

FIGURE 10g

Concentrations of Total VOCs versus Time: Extraction Well VMP-D2

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

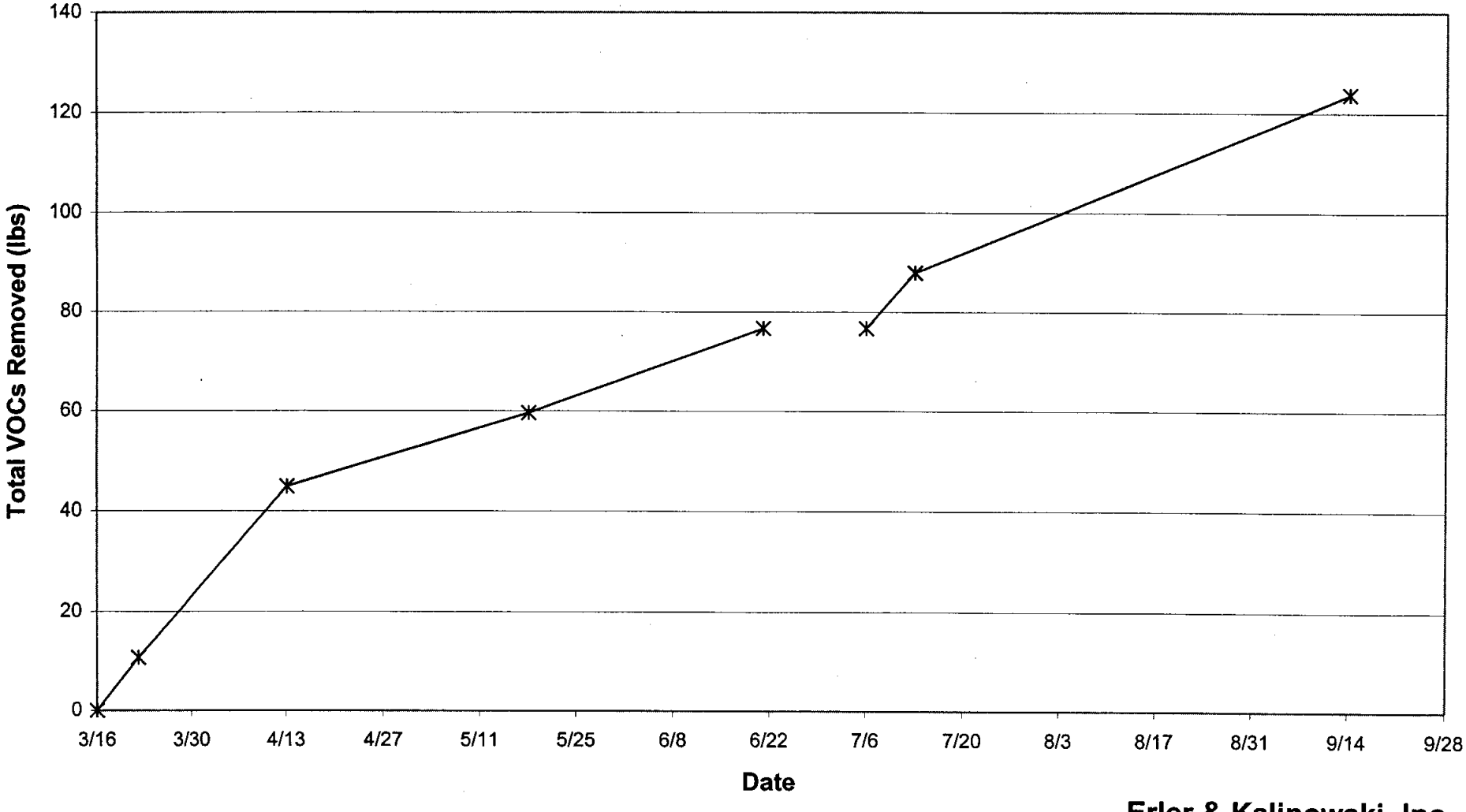
002431

FIGURE 11

Cumulative VOC Removal

Quarterly Progress Report for July through September 2000

Jervis B. Webb Company of California, 5030 Firestone Boulevard, South Gate, California



EKI 991103.01
2000-Q3 Table 3 & Figures 10-11

Erler & Kalinowski, Inc.

26 October 2000

002432

A

APPENDIX A

Groundwater Purge and Water Quality Monitoring Forms for Groundwater Sampling

GROUNDWATER PURGE AND
WATER QUALITY MONITORING FORM

Erler & Kalinowski, Inc.

PROJECT NAME: WEBB DATE: 9/7/00

PROJECT NUMBER: 991103.01 WELL NUMBER: MW-1 PERSONNEL: BJA

WELL VOLUME CALCULATION:

Depth of Well (ft.)		Depth to Water (ft.)		Water Column (ft.)		Multiplier (below)		Casing Vol. (gallons)
70.3	-	45.15	=	25.15	·	0.64	= 16.1 x 3 =	48

Mult. for casing diam. = 2-in.=0.16; 4-in.=0.64; 5-in.=1.02; 6-in.=1.44 gals/ft.

No. of bailers prior to start of purge: 0

PURGE METHOD: 2" GRUNDFOS

PURGE DEPTH: 55

START TIME: 13:38 END TIME: 14:04

TOTAL GALLONS PURGED: 51

INSTRUMENT CALIBRATION

Instrument	Field measure	Standard measure
Conductivity		
pH		
pH		
Turbidity		
Temperature		
Depth Probe		

SEE MW-4

Time	13:43	13:48	13:53	13:58	14:00	14:03		
Volume Purged (gallons)	10	20	30	40	45	50		
Temperature (degrees F or C)	72.5	72.1	72.9	72.1	71.5	71.6		
pH (units)	7.37	7.38	7.31	7.16	7.18	7.15		
Specific Conductivity (uS/cm)	780	957	1,850	2,130	2,200	2,400		
Turbidity/Color (NTU)	2.85	0.63	0.00	0.00	0.00	0.00		
Odor	NONE	—	—	—	—	—		
Depth to Water (ft below TOC) during purge								
Number of Casing Volumes removed								
Purge Rate (gallons/minute)	2	—	—	—	—	—		

COMMENTS/ SAMPLES:

Field I.D.	Time Collected	Containers & Preservation	Analyses Requested
MW-1	14:10	2x40ml VOA	8260

AFTER FIRST 0.00 READING, CHECKED TURBIDIMETER CALIB:
STD = 10.0, FIELD = 10.35

GROUNDWATER PURGE AND
WATER QUALITY MONITORING FORM

Erler & Kalinowski, Inc.

PROJECT NAME: WEBB DATE: 9/7/00

PROJECT NUMBER: 991103.01 WELL NUMBER: MW-2 PERSONNEL: BJA

WELL VOLUME CALCULATION:

Depth of Well (ft.)		Depth to Water (ft.)		Water Column (ft.)		Multiplier (below)			Casing Vol. (gallons)
69.80	-	44.30	=	25.5	*	0.64	= 16.3	x3 =	49

Mult. for casing diam. = 2-in.=0.16; 4-in.=0.64; 5-in.=1.02; 6-in.=1.44 gals/ft.

No. of bailers prior to start of purge: -0-

PURGE METHOD: 2" GRUNDFOS

PURGE DEPTH: 67'

START TIME: 9:11 END TIME: 10:38

TOTAL GALLONS PURGED: 51

INSTRUMENT CALIBRATION

Instrument	Field measure	Standard measure
Conductivity		
pH	SEE MW-4	
pH		
Turbidity		
Temperature		
Depth Probe		

Time	9:30	9:45	9:57	10:12	10:23	10:29	10:36	
Volume Purged (gallons)	10	20	25	35	40	45	50	
Temperature (degrees F or C)	73.7	73.9	72.4	72.4	73.1	73.4	73.0	
pH (units)	7.13	7.15	7.17	7.16	7.18	7.17	7.15	
Specific Conductivity (uS/cm)	1,630	1,580	1,550	1,640	1,570	1,720	1,690	
Turbidity/Color (NTU)	65.7	148	23.6	9.93	5.86	1.94	1.07	
Odor	NONE	—	—	—	—	—	—	
Depth to Water (ft below TOC) during purge								
Number of Casing Volumes removed								
Purge Rate (gallons/minute)	0.6	—	—	—	—	—	—	

COMMENTS/ SAMPLES:

Field I.D.	Time Collected	Containers & Preservation	Analyses Requested
MW-2	10:40	2x40 ML VOA	8260

GROUNDWATER PURGE AND
WATER QUALITY MONITORING FORM

Erler & Kalinowski, Inc.

PROJECT NAME: WEBB DATE: 9/7/00

PROJECT NUMBER: 991103.01 WELL NUMBER: MW-3 PERSONNEL: BJA

WELL VOLUME CALCULATION:

Depth of Well (ft.)		Depth to Water (ft.)		Water Column (ft.)		Multiplier (below)		Casing Vol. (gallons)
70.30	-	44.83	=	25.47	*	0.64	= 16.3 x 3 =	49

Mult. for casing diam. = 2-in.=0.16; 4-in.=0.64; 5-in.=1.02; 6-in.=1.44 gals/ft.

No. of bailers prior to start of purge: 0

PURGE METHOD: 2" GRUNDFOS

PURGE DEPTH: 55'

START TIME: 11:10 END TIME: 11:48

TOTAL GALLONS PURGED: 51

INSTRUMENT CALIBRATION

Instrument	Field measure	Standard measure
Conductivity	SEE MW-4	
pH		
pH		
Turbidity		
Temperature		
Depth Probe		

Time	11:18	11:24	11:33	11:36	11:39	11:43	11:47	
Volume Purged (gallons)	10	20	30	35	40	45	50	
Temperature (degrees F or C)	71.4	70.1	70.2	70.3	70.5	70.5	71.1	
pH (units)	7.44	7.37	7.31	7.33	7.36	7.34	7.33	
Specific Conductivity (uS/cm)	709	702	1,040	1,100	1,100	1,180	1,200	
Turbidity/Color (NTU)	6.25	3.54	0.10	1.05	1.01	1.08	2.50	
Odor	NONE	—	—	—	—	—	—	
Depth to Water (ft below TOC) during purge								
Number of Casing Volumes removed								
Purge Rate (gallons/minute)	1.5	—	—	—	—	—	—	

COMMENTS/ SAMPLES:

Field I.D.	Time Collected	Containers & Preservation	Analyses Requested
MW-3	11:50	2x40 ml VOA	8260
MW-3-DUP	11:55	"	"

GROUNDWATER PURGE AND
WATER QUALITY MONITORING FORM

Erler & Kalinowski, Inc.

PROJECT NAME: WEBB DATE: 9/7/00

PROJECT NUMBER: 991103.01 WELL NUMBER: MW-4 PERSONNEL: BJA

WELL VOLUME CALCULATION:

Depth of Well (ft.)		Depth to Water (ft.)		Water Column (ft.)		Multiplier (below)		Casing Vol. (gallons)
69.05 (35)	-	45.31	=	24.04	*	0.64	= 15.4	x3 = 46

Mult. for casing diam. = 2-in.=0.16; 4-in.=0.64; 5-in.=1.02; 6-in.=1.44 gals/ft.

No. of bailers prior to start of purge: 0

PURGE METHOD: 2" GRUNDFOS

PURGE DEPTH: 55'

START TIME: 7:57 END TIME: 8:31

TOTAL GALLONS PURGED: 49

INSTRUMENT CALIBRATION

Instrument	Field measure	Standard measure
Conductivity	1000	1000
pH	7.00	7.00
pH	4.01	4.01
Turbidity	10.00	10.00
Temperature		
Depth Probe		

Time	8:10	8:17	8:20	8:24	8:27	8:30		
Volume Purged (gallons)	20	30	35	40	45	48		
Temperature (degrees F or C)	71.1	69.9	69.8	69.8	69.8	69.9		
pH (units)	6.84	6.91	6.91	6.91	6.91	6.92		
Specific Conductivity (uS/cm)	2,060	1,960	2,050	1,930	1,990	2,010		
Turbidity/Color (NTU)	0.86	0.00	0.00	0.00	0.00	0.00		
Color	NONE	—						
Depth to Water (ft below TOC) during purge								
Number of Casing Volumes removed								
Purge Rate (gallons/minute)	1.5	—						

COMMENTS/ SAMPLES:	Field I.D.	Time Collected	Containers & Preservation	Analyses Requested
	MW-4	8:35	2x40mL VOA w/HCl	8260

BJA VERIFIED CALIBRATION OF TURBIDIMETER AFTER READING OF 0.00.
STANDARD = 10.0, READING = 9.95

GROUNDWATER PURGE AND
WATER QUALITY MONITORING FORM

Erler & Kalinowski, Inc.

PROJECT NAME: WEBB DATE: 9/7/00

PROJECT NUMBER: 991103.01 WELL NUMBER: MW-5 PERSONNEL: BJA

WELL VOLUME CALCULATION:

Depth of Well (ft.)		Depth to Water (ft.)		Water Column (ft.)		Multiplier (below)		Casing Vol. (gallons)
69.20	-	~~45.49~~ 45.69	=	23.51	*	0.64	= 15.0 x 3 =	45

Mult. for casing diam. = 2-in.=0.16; 4-in.=0.64; 5-in.=1.02; 6-in.=1.44 gals/ft.

No. of bailers prior to start of purge: 0

PURGE METHOD: 2" GRUNDFOS

PURGE DEPTH: 55

START TIME: 12:27 END TIME: 12:53

TOTAL GALLONS PURGED: 51

INSTRUMENT CALIBRATION

Instrument	Field measure	Standard measure
Conductivity		
pH		
pH		
Turbidity		
Temperature		
Depth Probe		

SEE MW-4

Time	12:10 ~~12:32~~	12:37	12:42	12:47	12:52			
Volume Purged (gallons)	10	20	30	40	50			
Temperature (degrees F or C)	71.3	70.3	70.1	70.1	70.3			
pH (units)	7.15	6.99	6.88	6.81	6.81			
Specific Conductivity (uS/cm)	2,020	2,020	2,100	2,140	2,100			
Turbidity/Color (NTU)	7.71	9.16	0.00	0.00	0.00			
Odor	NONE	—	—	—	—			
Depth to Water (ft below TOC) during purge								
Number of Casing Volumes removed								
Purge Rate (gallons/minute)	2	—	—	—	—			

COMMENTS/ SAMPLES:

Field I.D.	Time Collected	Containers & Preservation	Analyses Requested
MW-5	13:00	2x40mL VOA	8260

CHECKED TURBIDMETER CALIBRATION AFTER FIRST 0.00 READING.

STANDARD = 10.0, MEAS. = 10.24

B

APPENDIX B

Laboratory Reports and Chain-of-Custody Forms for Groundwater Sampling

991103.01

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

FILE COPY
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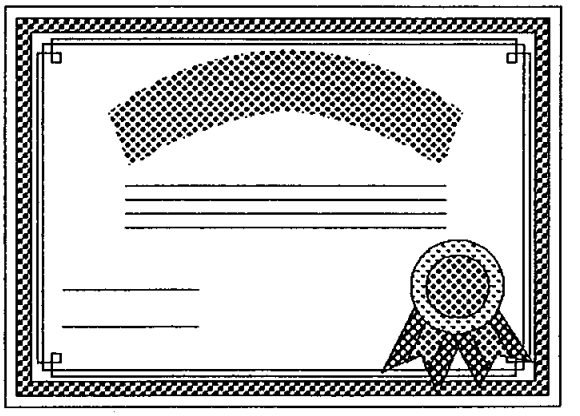
ERLER & KALINOWSKI, INC.
SANTA MONICA OFFICE



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification (ELAP) No.: 1416 Expiration Date: 2001

Laboratory Director's Name (Print) : Mark Noorani

Client: Erler & Kalinowski, Inc.

Project No.: 991103.01

Project Name: Webb

Laboratory Reference: EKI 11707

Analytical Method: EPA 8260

Date Sampled: 09/07/00
Date Received: 09/07/00
Date Reported: 09/14/00

Sample Matrix: Water

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

ANALYTICAL TEST RESULTS 8260
Reporting Unit: ug/l

DATE ANALYZED		09/13/00	09/13/00	09/13/00	09/13/00
DILUTION FACTOR		1	200	20	20
LAB SAMPLE I.D.			00090045	00090046	00090047
CLIENT SAMPLE I.D.			MW-1	MW-2	MW-3
COMPOUND	***MDL***	***MB***			
Acetone	2.0	<2.0	<400	<40	<40
Benzene	0.5	<0.5	<100	<10	<10
Bromodichloromethane	0.5	<0.5	<100	<10	<10
Bromoform	0.5	<0.5	<100	<10	<10
Bromomethane	1.0	<1.0	<200	<20	<20
2-Butanone	1.0	<1.0	<200	<20	<20
Carbon Disulfide	0.5	<0.5	<100	<10	<10
Carbon Tetrachloride	0.5	<0.5	<100	<10	<10
Chlorobenzene	0.5	<0.5	<100	<10	<10
Chlorodibromomethane	0.5	<0.5	<100	<10	<10
Chloroethane	0.5	<0.5	<100	<10	<10
2-Chloroethyl vinyl ether	1.0	<1.0	<200	<20	<20
Chloroform	0.5	<0.5	<100	<10	<10
Chloromethane	0.5	<0.5	<100	<10	<10
1,1-Dichloroethane	0.5	<0.5	<100	<10	<10
1,2-Dichloroethane	0.5	<0.5	<100	<10	<10
1,1-Dichloroethene	0.5	<0.5	<100	<10	<10
cis-1,2-Dichloroethene	0.5	<0.5	<100	42	160
trans-1,2-Dichloroethene	0.5	<0.5	<100	<10	<10
1,2-Dichloropropane	0.5	<0.5	<100	<10	<10
cis-1,3-Dichloropropene	0.5	<0.5	<100	<10	<10
trans-1,3-Dichloropropene	0.5	<0.5	<100	<10	<10
Ethylbenzene	0.5	<0.5	<100	<10	<10
2-Hexanone	1.0	<1.0	<200	<20	<20
Methylene chloride	2.5	<2.5	<500	<50	<50
4-Methyl-2-pentanone	1.0	<1.0	<200	<20	<20
Styrene	0.5	<0.5	<100	<10	<10
1,1,2,2-Tetrachloroethane	0.5	<0.5	<100	<10	<10
Tetrachloroethene	0.5	<0.5	<100	<10	<10
Toluene	0.5	<0.5	<100	<10	<10
1,1,1-Trichloroethane	0.5	<0.5	<100	<10	<10
1,1,2-Trichloroethane	0.5	<0.5	<100	<10	<10
Trichloroethene	0.5	<0.5	21,000	1,800	1,700
Trichlorofluoromethane	0.5	<0.5	<100	<10	<10
Vinyl acetate	1.0	<1.0	<200	<20	<20
Vinyl Chloride	0.5	<0.5	<100	<10	<10
Total Xylenes	0.5	<0.5	<100	<10	<10

SURROGATE	SPK	ACP%	MB			
RECOVERY	CONC		%RC			
Dibromofluoromethane	50	80-120%	85	86	87	83
Toluene-d8	50	81-132%	84	82	84	82
4-Bromofluorobenzene	50	83-132%	105	107	108	107

ANALYTICAL TEST RESULTS 8260
Reporting Unit: ug/l

DATE ANALYZED		09/13/00	09/13/00	09/13/00	09/13/00	09/18/00
DILUTION FACTOR		1	20	20	1	1
LAB SAMPLE I.D.		00090048	00090049	00090050	00090051	00090051A
CLIENT SAMPLE I.D.		MW-4	MW-5	MW-3-DUP	Rinsate Blank	Rinsate Water
COMPOUND	*MDL*					
Acetone	2.0	<2.0	<40	<40	<2.0	<2.0
Benzene	0.5	<2.0	<10	<10	<0.5	<2.0
Bromodichloromethane	0.5	<0.5	<10	<10	<0.5	1.0
Bromoform	0.5	<0.5	<10	<10	14	16
Bromomethane	1.0	<1.0	<20	<20	<1.0	<1.0
2-Butanone	1.0	<1.0	<20	<20	<1.0	<1.0
Carbon Disulfide	0.5	<0.5	<10	<10	<0.5	<0.5
Carbon Tetrachloride	0.5	<0.5	<10	<10	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<10	<10	<0.5	<0.5
Chlorodibromomethane	0.5	<0.5	<10	<10	4.1	4.7
Chloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
2-Chloroethyl vinyl ether	1.0	<1.0	<20	<20	<1.0	<1.0
Chloroform	0.5	<0.5	<10	<10	<0.5	<0.5
Chloromethane	0.5	<0.5	<10	<10	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
1,1-Dichloroethene	0.5	<0.5	<10	<10	<0.5	<0.5
cis-1,2-Dichloroethene	0.5	<0.5	280	160	<0.5	<0.5
trans-1,2-Dichloroethene	0.5	<0.5	<10	<10	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<10	<10	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<10	<10	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<10	<10	<0.5	<0.5
Ethylbenzene	0.5	<0.5	<10	<10	<0.5	<0.5
2-Hexanone	1.0	<1.0	<20	<20	<0.5	<1.0
Methylene chloride	2.5	<2.5	<50	<50	<2.5	<2.5
4-Methyl-2-pentanone	1.0	<1.0	<20	<20	<1.0	<1.0
Styrene	0.5	<0.5	<10	<10	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<10	<10	<0.5	<0.5
Toluene	0.5	<0.5	<10	<10	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<10	<10	<0.5	<0.5
Trichloroethene	0.5	<0.5	3,700	1,700	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<10	<10	<0.5	<0.5
Vinyl acetate	1.0	<1.0	<20	<20	<1.0	<1.0
Vinyl Chloride	0.5	<0.5	<10	<10	<0.5	<0.5
Total Xylenes	0.5	<0.5	<10	<10	<0.5	<0.5

SURROGATE	SPK	ACP%					
RECOVERY	CONC						
Dibromofluoromethane	50	80-120%	86	86	83	83	86
Toluene-d8	50	81-132%	87	88	87	89	82
4-Bromofluorobenzene	50	83-132%	110	110	108	109	107

8260 QA / QC REPORT
Reporting Unit : µg/l

1. Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date Performed : 09/13/00
LAB Sample I. D. : 00090027
aboratory Reference: EKI 11707

Analyte	R1	SP	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD
1,1-Dichloroethene	0	20	19	18	95	90	5	61-145	14
enzene	0.0	20	21	20	105	100	5	76-127	11
richloroethene	17	20	39	37	110	100	5	71-120	14
Toluene	0.0	20	21	20	105	100	5	76-125	13
hlorobenzene	0.0	20	24	23	120	115	4	75-130	13

1 = Result of Laboratory Sample I.D.
SPK CONC = Spiking Concentration (≤5 X PQL) ; PQL = Practical Quantitation Limit.
1S = Matrix Spike Result
ISD = Matrix Spike Duplicate Result
%MS = Percent Recovery of MS: {(MS-R1)/SP} X 100.
%MSD = Percent Recovery of MSD: {(MSD-R1)/SP} X 100.
PD = Relative Percent Difference: {(MS - MSD)/(MS + MSD)} X 100 X 2
ACP%MS(MSD) = Acceptable Range of Percent.
CP RPD = Acceptable Relative Percent Difference

2. Laboratory Quality Control check sample

Date Performed : 09/13/00

AB Sample I. D. :8137,8139,8147,8141,8144,8209,8234

Analyte	SP	MS	%MS	ACP %MS
ans-1,2-Dichloroethene	50	51	102	80 -120
1,1,1-Trichloroethane	50	59	118	80 -120
,2-Dichloroethane	50	58	116	80 -120
etrachloroethene	50	58	116	80 -120
Styrene	50	56	112	80 -120

ANALYST: NAHID AMERI

DATE: 09/13/00

ORANGE COAST ANALYTICAL, INC.
PHONE MESSAGE

Initials: [illegible] for [illegible] Date: 9-18-00

CLIENT: EKI CONTACT: Brian A.

PROJECT: Webb

Status: ✓ In Progress ___ Completed ___ Upcoming/Future

Date Received: 9-7-00

Samples: Action Item: Turnaround:

Run Rinsate water sample for 8260

Containers Requested:
- ___ voa vials
- ___ glass jars
- ___ 500 ml plastic
- ___ 1 liter plastic
- ___ 1 liter glass
- ___ trip blank
- ___ Other ___

Method Shipment:
- ___ cooler ___ Fed-Ex ASAP
- ___ box ___ UPS
- ___ Deliver by ___
- ___ Will Call on ___

Include:
- ___ Chain of Custody
- ___ Blue Ice

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

REQUIRED TAT: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ERLER + KALINOWSKI, INC	PROJECT NAME: WEBB
SEND REPORT TO: BRIAN AUCHARD	NUMBER: 991103.01
ADDRESS: 3250 OCEAN PARK BLVD	LOCATION:
SUITE 385	ADDRESS: 5030 FIRESTONE BLVD
SANTA MONICA, CA 90405	SOUTH GATE, CA
PHONE: (310) 314-8855 FAX: (310) 314-8860	SAMPLED BY: BJA

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TOTAL PETROLEUM HYDROCARBONS	8260	HOLD							REMARKS/PRECAUTIONS
MW-1	2	9/7/00	14:10	W	40ML	HCl		X								
MW-2	↓	↓	10:40	↓	↓	↓		↓								
MW-3	↓	↓	11:50	↓	↓	↓		↓								
MW-4	↓	↓	8:35	↓	↓	↓		↓								
MW-5	↓	↓	13:00	↓	↓	↓		↓								
MW-3-DUP	↓	↓	11:55	↓	↓	↓		↓								
RINSATE BLANK	↓	↓	12:05	↓	↓	↓		↓								
RINSATE WATER	↓	↓	12:10	↓	↓	↓			X							HOLD ← RUN FOR 8260 IF ANY DETECTIONS IN RINSATE BLANK (CALL EKI FIRST)

Total No. of Samples: 8

Method of Shipment: COURIER

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9/7/00 14:55		
Relinquished By:	Date/Time:	Received By:	Date/Time:
		[signature]	
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 9/7/00 14:55

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

002448

C

APPENDIX C

Laboratory Reports and Chain-of-Custody Forms for Soil Vapor Sampling

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2002582-001

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.50 ml(s)
0.20 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	2.0	ND	0.97
75-01-4	Vinyl Chloride	ND	2.0	ND	0.78
74-83-9	Bromomethane	ND	2.0	ND	0.52
75-00-3	Chloroethane	ND	2.0	ND	0.76
67-64-1	Acetone	ND	2.0	ND	0.84
75-69-4	Trichlorofluoromethane	ND	2.0	ND	0.36
75-35-4	1,1-Dichloroethene	1.9 TR	2.0	0.48 TR	0.50
75-09-2	Methylene chloride	ND	2.0	ND	0.58
76-13-1	Trichlorotrifluoroethane	ND	2.0	ND	0.26
75-15-0	Carbon Disulfide	ND	2.0	ND	0.64
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ND	0.50
75-34-3	1,1-Dichloroethane	ND	2.0	ND	0.49
1634-04-4	Methyl tert-Butyl Ether	ND	2.0	ND	0.55
108-05-4	Vinyl Acetate	ND	2.0	ND	0.57
78-93-3	2-Butanone (MEK)	ND	2.0	ND	0.68
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ND	0.50
67-66-3	Chloroform	ND	2.0	ND	0.41
107-06-2	1,2-Dichloroethane	ND	2.0	ND	0.49
71-55-6	1,1,1-Trichloroethane	ND	2.0	ND	0.37
71-43-2	Benzene	43	2.0	14	0.63
56-23-5	Carbon Tetrachloride	ND	2.0	ND	0.32
78-87-5	1,2-Dichloropropane	ND	2.0	ND	0.43

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

2665 Park Center Drive, Suite D, Simi Valley, California 93065 • Phone (805) 526-7161 • Fax (805) 526-7270

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2002582-001

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.50 ml(s)
0.20 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	2.0	ND	0.30
79-01-6	Trichloroethene	290	2.0	54	0.37
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ND	0.44
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.49
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ND	0.44
79-00-5	1,1,2-Trichloroethane	ND	2.0	ND	0.37
108-88-3	Toluene	3.9	2.0	1.0	0.53
591-78-6	2-Hexanone	ND	2.0	ND	0.49
124-48-1	Dibromochloromethane	ND	2.0	ND	0.23
106-93-4	1,2-Dibromoethane	ND	2.0	ND	0.26
127-18-4	Tetrachloroethene	6.4	2.0	0.95	0.30
108-90-7	Chlorobenzene	ND	2.0	ND	0.43
100-41-4	Ethylbenzene	3.2	2.0	0.75	0.46
1330-20-7	m- & p-Xylenes	5.0	2.0	1.2	0.46
75-25-2	Bromoform	ND	2.0	ND	0.19
100-42-5	Styrene	ND	2.0	ND	0.47
95-47-6	o-Xylene	1.2 TR	2.0	0.28 TR	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ND	0.29
541-73-1	1,3-Dichlorobenzene	ND	2.0	ND	0.33
106-46-7	1,4-Dichlorobenzene	ND	2.0	ND	0.33
95-50-1	1,2-Dichlorobenzene	ND	2.0	ND	0.33

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2002582-002

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.050 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	20	ND	9.7
75-01-4	Vinyl Chloride	ND	20	ND	7.8
74-83-9	Bromomethane	ND	20	ND	5.2
75-00-3	Chloroethane	ND	20	ND	7.6
67-64-1	Acetone	ND	20	ND	8.4
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0
75-09-2	Methylene chloride	ND	20	ND	5.8
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6
75-15-0	Carbon Disulfide	ND	20	ND	6.4
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5
108-05-4	Vinyl Acetate	ND	20	ND	5.7
78-93-3	2-Butanone (MEK)	ND	20	ND	6.8
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0
67-66-3	Chloroform	ND	20	ND	4.1
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9
71-55-6	1,1,1-Trichloroethane	ND	20	ND	3.7
71-43-2	Benzene	ND	20	ND	6.3
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

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Client Sample ID : SVE-1
PAI Sample ID : P2002582-002

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.050 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	1,200	20	230	3.7
10061-01-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	48	20	7.1	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylenes	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2002582-003

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone (MEK)	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2002582-003

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	610	10	110	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	ND	10	ND	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	9.7 TR	10	1.4 TR	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylenes	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2002582-004

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	500	ND	240
75-01-4	Vinyl Chloride	ND	500	ND	200
74-83-9	Bromomethane	ND	500	ND	130
75-00-3	Chloroethane	ND	500	ND	190
67-64-1	Acetone	ND	500	ND	210
75-69-4	Trichlorofluoromethane	ND	500	ND	89
75-35-4	1,1-Dichloroethene	620	500	160	130
75-09-2	Methylene chloride	ND	500	ND	140
76-13-1	Trichlorotrifluoroethane	ND	500	ND	65
75-15-0	Carbon Disulfide	ND	500	ND	160
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130
75-34-3	1,1-Dichloroethane	ND	500	ND	120
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140
108-05-4	Vinyl Acetate	ND	500	ND	140
78-93-3	2-Butanone (MEK)	1,700	500	560	170
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130
67-66-3	Chloroform	ND	500	ND	100
107-06-2	1,2-Dichloroethane	ND	500	ND	120
71-55-6	1,1,1-Trichloroethane	520	500	95	92
71-43-2	Benzene	ND	500	ND	160
56-23-5	Carbon Tetrachloride	ND	500	ND	80
78-87-5	1,2-Dichloropropane	ND	500	ND	110

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2002582-004

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	500	ND	75
79-01-6	Trichloroethene	21,000	500	3,800	93
10061-01-5	cis-1,3-Dichloropropene	ND	500	ND	110
108-10-1	4-Methyl-2-pentanone	ND	500	ND	120
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110
79-00-5	1,1,2-Trichloroethane	ND	500	ND	92
108-88-3	Toluene	ND	500	ND	130
591-78-6	2-Hexanone	ND	500	ND	120
124-48-1	Dibromochloromethane	ND	500	ND	59
106-93-4	1,2-Dibromoethane	ND	500	ND	65
127-18-4	Tetrachloroethene	26,000	500	3,800	74
108-90-7	Chlorobenzene	ND	500	ND	110
100-41-4	Ethylbenzene	ND	500	ND	120
1330-20-7	m- & p-Xylenes	ND	500	ND	120
75-25-2	Bromoform	ND	500	ND	48
100-42-5	Styrene	ND	500	ND	120
95-47-6	o-Xylene	ND	500	ND	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	73
541-73-1	1,3-Dichlorobenzene	ND	500	ND	83
106-46-7	1,4-Dichlorobenzene	ND	500	ND	83
95-50-1	1,2-Dichlorobenzene	ND	500	ND	83

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2002582-005

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone (MEK)	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	67	10	21	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: PCS Date: 10/12/00

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RESULTS OF ANALYSIS

PAGE 2 OF 2

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2002582-005

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	640	10	120	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	ND	10	ND	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	6.5 TR	10	0.96 TR	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylenes	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002582-006

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	170	40	71	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone (MEK)	180	40	61	14
156-59-2	cis-1,2-Dichloroethene	ND	40	ND	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	ND	40	ND	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

TR = Detected Below Indicated Reporting Limit
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Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

PAGE 2 OF 2

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002582-006

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	2,500	40	470	7.4
10061-01-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	22 TR	40	5.9 TR	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	270	40	40	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylenes	38 TR	40	8.7 TR	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	20 TR	40	4.6 TR	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002582-006DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	160	40	66	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone (MEK)	190	40	63	14
156-59-2	cis-1,2-Dichloroethene	ND	40	ND	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	ND	40	ND	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

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ND = Not Detected

Verified By: RCr Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002582-006DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	2,600	40	470	7.4
10061-01-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	23 TR	40	6.1 TR	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	290	40	42	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylenes	39 TR	40	9.0 TR	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	20 TR	40	4.7 TR	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RU Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002582-007

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	130	40	53	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone (MEK)	150	40	50	14
156-59-2	cis-1,2-Dichloroethene	40	40	10	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	38 TR	40	7.0 TR	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002582-007

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	2,800	40	520	7.4
10061-01-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	29 TR	40	7.6 TR	11
591-78-6	2-Hexanone	31 TR	40	7.6 TR	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	1,500	40	220	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylenes	56	40	13	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	29 TR	40	6.7 TR	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002582-007DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	110	40	46	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone (MEK)	140	40	47	14
156-59-2	cis-1,2-Dichloroethene	38 TR	40	9.5 TR	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	37 TR	40	6.7 TR	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

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Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002582-007DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.025 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	2,700	40	510	7.4
10061-01-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	28 TR	40	7.4 TR	11
591-78-6	2-Hexanone	30 TR	40	7.2 TR	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	1,500	40	220	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylenes	53	40	12	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	29 TR	40	6.7 TR	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

PAGE 1 OF 2

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2002582-008

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	500	ND	240
75-01-4	Vinyl Chloride	ND	500	ND	200
74-83-9	Bromomethane	ND	500	ND	130
75-00-3	Chloroethane	ND	500	ND	190
67-64-1	Acetone	ND	500	ND	210
75-69-4	Trichlorofluoromethane	ND	500	ND	89
75-35-4	1,1-Dichloroethene	ND	500	ND	130
75-09-2	Methylene chloride	ND	500	ND	140
76-13-1	Trichlorotrifluoroethane	ND	500	ND	65
75-15-0	Carbon Disulfide	ND	500	ND	160
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130
75-34-3	1,1-Dichloroethane	ND	500	ND	120
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140
108-05-4	Vinyl Acetate	ND	500	ND	140
78-93-3	2-Butanone (MEK)	ND	500	ND	170
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130
67-66-3	Chloroform	ND	500	ND	100
107-06-2	1,2-Dichloroethane	ND	500	ND	120
71-55-6	1,1,1-Trichloroethane	ND	500	ND	92
71-43-2	Benzene	ND	500	ND	160
56-23-5	Carbon Tetrachloride	ND	500	ND	80
78-87-5	1,2-Dichloropropane	ND	500	ND	110

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2002582-008

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	500	ND	75
79-01-6	Trichloroethene	46,000	500	8,600	93
10061-01-5	cis-1,3-Dichloropropene	ND	500	ND	110
108-10-1	4-Methyl-2-pentanone	ND	500	ND	120
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110
79-00-5	1,1,2-Trichloroethane	ND	500	ND	92
108-88-3	Toluene	ND	500	ND	130
591-78-6	2-Hexanone	ND	500	ND	120
124-48-1	Dibromochloromethane	ND	500	ND	59
106-93-4	1,2-Dibromoethane	ND	500	ND	65
127-18-4	Tetrachloroethene	2,600	500	380	74
108-90-7	Chlorobenzene	ND	500	ND	110
100-41-4	Ethylbenzene	ND	500	ND	120
1330-20-7	m- & p-Xylenes	ND	500	ND	120
75-25-2	Bromoform	ND	500	ND	48
100-42-5	Styrene	ND	500	ND	120
95-47-6	o-Xylene	ND	500	ND	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	73
541-73-1	1,3-Dichlorobenzene	ND	500	ND	83
106-46-7	1,4-Dichlorobenzene	ND	500	ND	83
95-50-1	1,2-Dichlorobenzene	ND	500	ND	83

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2002582-009

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0010 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1,000	ND	480
75-01-4	Vinyl Chloride	ND	1,000	ND	390
74-83-9	Bromomethane	ND	1,000	ND	260
75-00-3	Chloroethane	ND	1,000	ND	380
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	4,300	1,000	1,100	250
75-09-2	Methylene chloride	ND	1,000	ND	290
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
75-15-0	Carbon Disulfide	ND	1,000	ND	320
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone (MEK)	ND	1,000	ND	340
156-59-2	cis-1,2-Dichloroethene	ND	1,000	ND	250
67-66-3	Chloroform	ND	1,000	ND	200
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	180
71-43-2	Benzene	81,000	1,000	25,000	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCr Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2002582-009

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.0010 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	50,000	1,000	9,300	190
10061-01-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	180
108-88-3	Toluene	8,200	1,000	2,200	270
591-78-6	2-Hexanone	ND	1,000	ND	240
124-48-1	Dibromochloromethane	ND	1,000	ND	120
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	3,400	1,000	500	150
108-90-7	Chlorobenzene	1,200	1,000	250	220
100-41-4	Ethylbenzene	6,300	1,000	1,400	230
1330-20-7	m- & p-Xylenes	10,000	1,000	2,300	230
75-25-2	Bromoform	ND	1,000	ND	97
100-42-5	Styrene	ND	1,000	ND	230
95-47-6	o-Xylene	1,200	1,000	270	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 1
PAI Sample ID : P2002582-010

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.10 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	22	10	9.4	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	93	10	27	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	12	10	3.2	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone (MEK)	5.5 TR	10	1.9 TR	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	7.0 TR	10	2.2 TR	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 1
PAI Sample ID : P2002582-010

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.10 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	ND	10	ND	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	34	10	9.0	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	ND	10	ND	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	9.1 TR	10	2.1 TR	2.3
1330-20-7	m- & p-Xylenes	62	10	14	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	9.4 TR	10	2.2 TR	2.3
95-47-6	o-Xylene	32	10	7.3	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 2
PAI Sample ID : P2002582-011

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.10 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	19	10	7.8	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	9.5 TR	10	2.6 TR	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone (MEK)	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	10	10	3.1	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RC Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 2
PAI Sample ID : P2002582-011

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/29/00
Volume(s) Analyzed : 0.10 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	81	10	15	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	20	10	5.2	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	6.3 TR	10	0.93 TR	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	6.6 TR	10	1.5 TR	2.3
1330-20-7	m- & p-Xylenes	29	10	6.6	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	13	10	3.1	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2002582-012

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone (MEK)	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	73	10	23	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCC Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2002582-012

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : 9/28/00
Date Received : 9/28/00
Date Analyzed : 9/30/00
Volume(s) Analyzed : 0.10 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	680	10	130	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	ND	10	ND	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	7.2 TR	10	1.1 TR	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylenes	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000929-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Chris Casteel
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/29/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RG Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000929-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Chris Casteel
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/29/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000930-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/30/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000930-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/30/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
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Verified By: RG Date: 10/12/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000930-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/30/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCS Date: 10/12/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000930-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Tedlar Bag

Date Sampled : NA
Date Received : NA
Date Analyzed : 9/30/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCr Date: 10/12/00

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P200258 2 (1/2)

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: 961025.03

Project Name: WEBB

Source of Samples: 5030 FIRESTONE BLVD, SOUTH GATE

Location: SVE

Analytical Laboratory: PERFORMANCE

Date Sampled: 9/28/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8855

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-1	BLOWER INFLUENT	VAPOR	1 x 5-L TEDLAR	11:24	TO-14	2 WEEKS
-2	SVE-1			11:07		
-3	SVE-2			10:50		
-4	SVE-3			9:52		
-5	SVE-D1			10:25		
-6	VMP-1			8:51		
-7	VMP-2			9:08		
-8	VMP-D1			10:06		
-9	VMP-D2			9:35		
-10	EQUIP BLANK 1			8:38		

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] (EKI)	9/28/00	16:00	[signature] COAST
[signature] COAST	9-28	5:00	Vanessa Rodriguez 9/28/00 5:00pm

002485

P2002582

2/2

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalhiowski, Inc.

Project Number: 96/025.03

Project Name: WEBB

Source of Samples: 5030 FIRESTONE BLVD, SOUTH GATE

Location: SVE

Analytical Laboratory: PERFORMANCE

Date Sampled: 9/28/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8055

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-11	EQUIP BLANK 2	VAPOR	1 X 5-L TEDLAR	10:40	TO-14	2 WEEKS
-12	SVE-D1-DUP	↓	↓	10:30	↓	↓

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] EKI	9/28/00	16:00	[signature]
[signature]	9-28	5:20	Vanessa Rodriguez 9/28/00 5:00p

10/12/2000 15:17 8055267270 PERFORMANCE PAGE 17/17

002486

Performance Analytical Inc.
Air Quality Laboratory
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RECEIVED
OCT 13 2000
ERLER & KALINOWSKI, INC.
SANTA MONICA OFFICE

LABORATORY REPORT

Client:	ERLER & KALINOWSKI, INC.	Date of Report:	10/03/00
Address:	3250 Ocean Park Blvd., Suite 385	Date Received:	09/14/00
	Santa Monica, CA 90405	PAI Project No:	P2002418
Contact:	Mr. Brian Auchard	Purchase Order:	Verbal

Client Project ID: WEBB #961025.03

Twelve (12) Tedlar Bag Samples labeled:

"Blower Influent"	"SVE-1"	"SVE-2"	"SVE-3"
"SVE-D1"	"VMP-1"	"VMP-2"	"VMP-D1"
"VMP-D2"	"Equip Blank 1"	"Equip Blank 2"	"SVE-D1-DUP"

The samples were received at the laboratory under chain of custody on September 14, 2000. The samples were received intact. The dates of analyses are indicated on the attached data sheets.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The method was modified for using Tedlar bags. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5972 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data summary sheets.

Reviewed and Approved:

Cindy Yoon
Analytical Chemist

Reviewed and Approved:

Chris Parnell
Senior Chemist

Performance Analytical Inc.
Air Quality Laboratory
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An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2002418-001

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/15/00
Volume(s) Analyzed : 2.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	0.50	ND	0.24
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20
74-83-9	Bromomethane	ND	0.50	ND	0.13
75-00-3	Chloroethane	ND	0.50	ND	0.19
67-64-1	Acetone	ND	0.50	ND	0.21
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.09
75-35-4	1,1-Dichloroethene	1.1	0.50	0.27	0.13
75-09-2	Methylene chloride	ND	0.50	ND	0.14
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.07
75-15-0	Carbon Disulfide	ND	0.50	ND	0.16
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14
108-05-4	Vinyl Acetate	ND	0.50	ND	0.14
78-93-3	2-Butanone	ND	0.50	ND	0.17
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13
67-66-3	Chloroform	ND	0.50	ND	0.10
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.09
71-43-2	Benzene	32	0.50	10	0.16
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.08
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2002418-001

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/15/00
Volume(s) Analyzed : 2.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	0.50	ND	0.07
79-01-6	Trichloroethene	30	0.50	5.6	0.09
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.09
108-88-3	Toluene	2.8	0.50	0.75	0.13
591-78-6	2-Hexanone	ND	0.50	ND	0.12
124-48-1	Dibromochloromethane	ND	0.50	ND	0.06
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.07
127-18-4	Tetrachloroethene	1.7	0.50	0.25	0.07
108-90-7	Chlorobenzene	ND	0.50	ND	0.11
100-41-4	Ethylbenzene	0.89	0.50	0.20	0.12
1330-20-7	m- & p-Xylenes	2.7	0.50	0.62	0.12
75-25-2	Bromoform	ND	0.50	ND	0.05
100-42-5	Styrene	ND	0.50	ND	0.12
95-47-6	o-Xylene	0.63	0.50	0.14	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.07
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.08
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.08
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.08

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2002418-002

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/15/00
Volume(s) Analyzed : 0.025 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	ND	40	ND	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone	ND	40	ND	14
156-59-2	cis-1,2-Dichloroethene	ND	40	ND	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	ND	40	ND	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2002418-002

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/15/00
Volume(s) Analyzed : 0.025 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	1,600	40	300	7.4
10061-01-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	25 TR	40	6.7 TR	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	62	40	9.1	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylenes	22 TR	40	5.1 TR	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	ND	40	ND	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2002418-003

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
74-83-9	Bromomethane	ND	5.0	ND	1.3
75-00-3	Chloroethane	ND	5.0	ND	1.9
67-64-1	Acetone	ND	5.0	ND	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.89
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.4
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.65
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.92
71-43-2	Benzene	ND	5.0	ND	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2002418-003

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	410	5.0	77	0.93
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.92
108-88-3	Toluene	ND	5.0	ND	1.3
591-78-6	2-Hexanone	ND	5.0	ND	1.2
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.65
127-18-4	Tetrachloroethene	6.7	5.0	0.98	0.74
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
1330-20-7	m- & p-Xylenes	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.48
100-42-5	Styrene	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.73
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.83
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.83
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.83

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2002418-004

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 5.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	0.20	ND	0.10
75-01-4	Vinyl Chloride	ND	0.20	ND	0.08
74-83-9	Bromomethane	ND	0.20	ND	0.05
75-00-3	Chloroethane	ND	0.20	ND	0.08
67-64-1	Acetone	ND	0.20	ND	0.08
75-69-4	Trichlorofluoromethane	ND	0.20	ND	0.04
75-35-4	1,1-Dichloroethene	0.43	0.20	0.11	0.05
75-09-2	Methylene chloride	ND	0.20	ND	0.06
76-13-1	Trichlorotrifluoroethane	ND	0.20	ND	0.03
75-15-0	Carbon Disulfide	ND	0.20	ND	0.06
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ND	0.05
75-34-3	1,1-Dichloroethane	ND	0.20	ND	0.05
1634-04-4	Methyl tert-Butyl Ether	ND	0.20	ND	0.06
108-05-4	Vinyl Acetate	ND	0.20	ND	0.06
78-93-3	2-Butanone	ND	0.20	ND	0.07
156-59-2	cis-1,2-Dichloroethene	ND	0.20	ND	0.05
67-66-3	Chloroform	ND	0.20	ND	0.04
107-06-2	1,2-Dichloroethane	ND	0.20	ND	0.05
71-55-6	1,1,1-Trichloroethane	0.40	0.20	0.07	0.04
71-43-2	Benzene	ND	0.20	ND	0.06
56-23-5	Carbon Tetrachloride	ND	0.20	ND	0.03
78-87-5	1,2-Dichloropropane	ND	0.20	ND	0.04

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2002418-004

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 5.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	0.20	ND	0.03
79-01-6	Trichloroethene	13	0.20	2.5	0.04
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ND	0.04
108-10-1	4-Methyl-2-pentanone	ND	0.20	ND	0.05
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ND	0.04
79-00-5	1,1,2-Trichloroethane	ND	0.20	ND	0.04
108-88-3	Toluene	0.22	0.20	0.06	0.05
591-78-6	2-Hexanone	ND	0.20	ND	0.05
124-48-1	Dibromochloromethane	ND	0.20	ND	0.02
106-93-4	1,2-Dibromoethane	ND	0.20	ND	0.03
127-18-4	Tetrachloroethene	15	0.20	2.2	0.03
108-90-7	Chlorobenzene	ND	0.20	ND	0.04
100-41-4	Ethylbenzene	ND	0.20	ND	0.05
1330-20-7	m- & p-Xylenes	0.33	0.20	0.08	0.05
75-25-2	Bromoform	ND	0.20	ND	0.02
100-42-5	Styrene	ND	0.20	ND	0.05
95-47-6	o-Xylene	0.15 TR	0.20	0.03 TR	0.05
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ND	0.03
541-73-1	1,3-Dichlorobenzene	ND	0.20	ND	0.03
106-46-7	1,4-Dichlorobenzene	ND	0.20	ND	0.03
95-50-1	1,2-Dichlorobenzene	ND	0.20	ND	0.03

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2002418-005

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.50 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	2.0	ND	0.97
75-01-4	Vinyl Chloride	ND	2.0	ND	0.78
74-83-9	Bromomethane	ND	2.0	ND	0.52
75-00-3	Chloroethane	ND	2.0	ND	0.76
67-64-1	Acetone	ND	2.0	ND	0.84
75-69-4	Trichlorofluoromethane	ND	2.0	ND	0.36
75-35-4	1,1-Dichloroethene	ND	2.0	ND	0.50
75-09-2	Methylene chloride	ND	2.0	ND	0.58
76-13-1	Trichlorotrifluoroethane	ND	2.0	ND	0.26
75-15-0	Carbon Disulfide	ND	2.0	ND	0.64
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ND	0.50
75-34-3	1,1-Dichloroethane	ND	2.0	ND	0.49
1634-04-4	Methyl tert-Butyl Ether	ND	2.0	ND	0.55
108-05-4	Vinyl Acetate	ND	2.0	ND	0.57
78-93-3	2-Butanone	ND	2.0	ND	0.68
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ND	0.50
67-66-3	Chloroform	ND	2.0	ND	0.41
107-06-2	1,2-Dichloroethane	ND	2.0	ND	0.49
71-55-6	1,1,1-Trichloroethane	ND	2.0	ND	0.37
71-43-2	Benzene	130	2.0	40	0.63
56-23-5	Carbon Tetrachloride	ND	2.0	ND	0.32
78-87-5	1,2-Dichloropropane	ND	2.0	ND	0.43

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2002418-005

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.50 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	2.0	ND	0.30
79-01-6	Trichloroethene	21	2.0	4.0	0.37
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ND	0.44
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.49
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ND	0.44
79-00-5	1,1,2-Trichloroethane	ND	2.0	ND	0.37
108-88-3	Toluene	14	2.0	3.7	0.53
591-78-6	2-Hexanone	ND	2.0	ND	0.49
124-48-1	Dibromochloromethane	ND	2.0	ND	0.23
106-93-4	1,2-Dibromoethane	ND	2.0	ND	0.26
127-18-4	Tetrachloroethene	1.1 TR	2.0	0.16 TR	0.30
108-90-7	Chlorobenzene	ND	2.0	ND	0.43
100-41-4	Ethylbenzene	4.7	2.0	1.1	0.46
1330-20-7	m- & p-Xylenes	16	2.0	3.6	0.46
75-25-2	Bromoform	ND	2.0	ND	0.19
100-42-5	Styrene	ND	2.0	ND	0.47
95-47-6	o-Xylene	3.5	2.0	0.81	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ND	0.29
541-73-1	1,3-Dichlorobenzene	ND	2.0	ND	0.33
106-46-7	1,4-Dichlorobenzene	ND	2.0	ND	0.33
95-50-1	1,2-Dichlorobenzene	ND	2.0	ND	0.33

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002418-006

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.050 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	20	ND	9.7
75-01-4	Vinyl Chloride	ND	20	ND	7.8
74-83-9	Bromomethane	ND	20	ND	5.2
75-00-3	Chloroethane	ND	20	ND	7.6
67-64-1	Acetone	230	20	97	8.4
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0
75-09-2	Methylene chloride	12 TR	20	3.3 TR	5.8
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6
75-15-0	Carbon Disulfide	ND	20	ND	6.4
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5
108-05-4	Vinyl Acetate	ND	20	ND	5.7
78-93-3	2-Butanone	260	20	89	6.8
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0
67-66-3	Chloroform	ND	20	ND	4.1
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9
71-55-6	1,1,1-Trichloroethane	ND	20	ND	3.7
71-43-2	Benzene	25	20	7.8	6.3
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002418-006

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.050 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	1,600	20	290	3.7
10061-01-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	84	20	22	5.3
591-78-6	2-Hexanone	37	20	9.0	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	170	20	25	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	18 TR	20	4.1 TR	4.6
1330-20-7	m- & p-Xylenes	98	20	23	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	19 TR	20	4.5 TR	4.7
95-47-6	o-Xylene	45	20	10	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: tA Date: 10/1/00

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Page No.:

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002418-006DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.050 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	20	ND	9.7
75-01-4	Vinyl Chloride	ND	20	ND	7.8
74-83-9	Bromomethane	ND	20	ND	5.2
75-00-3	Chloroethane	ND	20	ND	7.6
67-64-1	Acetone	260	20	110	8.4
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0
75-09-2	Methylene chloride	12 TR	20	3.3 TR	5.8
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6
75-15-0	Carbon Disulfide	ND	20	ND	6.4
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5
108-05-4	Vinyl Acetate	ND	20	ND	5.7
78-93-3	2-Butanone	260	20	89	6.8
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0
67-66-3	Chloroform	ND	20	ND	4.1
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9
71-55-6	1,1,1-Trichloroethane	ND	20	ND	3.7
71-43-2	Benzene	25	20	7.8	6.3
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2002418-006DUP

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.050 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	1,600	20	290	3.7
10061-01-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	87	20	23	5.3
591-78-6	2-Hexanone	39	20	9.4	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	180	20	26	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	19 TR	20	4.3 TR	4.6
1330-20-7	m- & p-Xylenes	100	20	23	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	20	20	4.7	4.7
95-47-6	o-Xylene	48	20	11	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

TR = Detected Below Indicated Reporting Limit
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002418-007

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.040 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	25	ND	12
75-01-4	Vinyl Chloride	ND	25	ND	9.8
74-83-9	Bromomethane	ND	25	ND	6.4
75-00-3	Chloroethane	ND	25	ND	9.5
67-64-1	Acetone	590	25	250	11
75-69-4	Trichlorofluoromethane	ND	25	ND	4.5
75-35-4	1,1-Dichloroethene	ND	25	ND	6.3
75-09-2	Methylene chloride	14 TR	25	4.0 TR	7.2
76-13-1	Trichlorotrifluoroethane	ND	25	ND	3.3
75-15-0	Carbon Disulfide	ND	25	ND	8.0
156-60-5	trans-1,2-Dichloroethene	ND	25	ND	6.3
75-34-3	1,1-Dichloroethane	ND	25	ND	6.2
1634-04-4	Methyl tert-Butyl Ether	ND	25	ND	6.9
108-05-4	Vinyl Acetate	ND	25	ND	7.1
78-93-3	2-Butanone	620	25	210	8.5
156-59-2	cis-1,2-Dichloroethene	45	25	11	6.3
67-66-3	Chloroform	ND	25	ND	5.1
107-06-2	1,2-Dichloroethane	ND	25	ND	6.2
71-55-6	1,1,1-Trichloroethane	62	25	11	4.6
71-43-2	Benzene	29	25	9.1	7.8
56-23-5	Carbon Tetrachloride	ND	25	ND	4.0
78-87-5	1,2-Dichloropropane	ND	25	ND	5.4

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2002418-007

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.040 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	25	ND	3.7
79-01-6	Trichloroethene	2,800	25	520	4.7
10061-01-5	cis-1,3-Dichloropropene	ND	25	ND	5.5
108-10-1	4-Methyl-2-pentanone	22 TR	25	5.4 TR	6.1
10061-02-6	trans-1,3-Dichloropropene	ND	25	ND	5.5
79-00-5	1,1,2-Trichloroethane	ND	25	ND	4.6
108-88-3	Toluene	100	25	27	6.6
591-78-6	2-Hexanone	76	25	18	6.1
124-48-1	Dibromochloromethane	ND	25	ND	2.9
106-93-4	1,2-Dibromoethane	ND	25	ND	3.3
127-18-4	Tetrachloroethene	1,200	25	180	3.7
108-90-7	Chlorobenzene	ND	25	ND	5.4
100-41-4	Ethylbenzene	22 TR	25	5.0 TR	5.8
1330-20-7	m- & p-Xylenes	120	25	27	5.8
75-25-2	Bromoform	ND	25	ND	2.4
100-42-5	Styrene	23 TR	25	5.4 TR	5.9
95-47-6	o-Xylene	54	25	12	5.8
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	ND	3.6
541-73-1	1,3-Dichlorobenzene	ND	25	ND	4.2
106-46-7	1,4-Dichlorobenzene	ND	25	ND	4.2
95-50-1	1,2-Dichlorobenzene	ND	25	ND	4.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2002418-008

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.010 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	100	ND	48
75-01-4	Vinyl Chloride	ND	100	ND	39
74-83-9	Bromomethane	ND	100	ND	26
75-00-3	Chloroethane	ND	100	ND	38
67-64-1	Acetone	ND	100	ND	42
75-69-4	Trichlorofluoromethane	ND	100	ND	18
75-35-4	1,1-Dichloroethene	ND	100	ND	25
75-09-2	Methylene chloride	ND	100	ND	29
76-13-1	Trichlorotrifluoroethane	ND	100	ND	13
75-15-0	Carbon Disulfide	ND	100	ND	32
156-60-5	trans-1,2-Dichloroethene	ND	100	ND	25
75-34-3	1,1-Dichloroethane	ND	100	ND	25
1634-04-4	Methyl tert-Butyl Ether	ND	100	ND	28
108-05-4	Vinyl Acetate	ND	100	ND	28
78-93-3	2-Butanone	ND	100	ND	34
156-59-2	cis-1,2-Dichloroethene	160	100	39	25
67-66-3	Chloroform	ND	100	ND	20
107-06-2	1,2-Dichloroethane	ND	100	ND	25
71-55-6	1,1,1-Trichloroethane	ND	100	ND	18
71-43-2	Benzene	64 TR	100	20 TR	31
56-23-5	Carbon Tetrachloride	ND	100	ND	16
78-87-5	1,2-Dichloropropane	ND	100	ND	22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2002418-008

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.010 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	100	ND	15
79-01-6	Trichloroethene	7,600	100	1,400	19
10061-01-5	cis-1,3-Dichloropropene	ND	100	ND	22
108-10-1	4-Methyl-2-pentanone	ND	100	ND	24
10061-02-6	trans-1,3-Dichloropropene	ND	100	ND	22
79-00-5	1,1,2-Trichloroethane	ND	100	ND	18
108-88-3	Toluene	230	100	61	27
591-78-6	2-Hexanone	ND	100	ND	24
124-48-1	Dibromochloromethane	ND	100	ND	12
106-93-4	1,2-Dibromoethane	ND	100	ND	13
127-18-4	Tetrachloroethene	1,800	100	270	15
108-90-7	Chlorobenzene	ND	100	ND	22
100-41-4	Ethylbenzene	57 TR	100	13 TR	23
1330-20-7	m- & p-Xylenes	350	100	81	23
75-25-2	Bromoform	ND	100	ND	9.7
100-42-5	Styrene	110	100	25	23
95-47-6	o-Xylene	160	100	37	23
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ND	15
541-73-1	1,3-Dichlorobenzene	ND	100	ND	17
106-46-7	1,4-Dichlorobenzene	ND	100	ND	17
95-50-1	1,2-Dichlorobenzene	ND	100	ND	17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2002418-009

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 5.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	0.20	ND	0.10
75-01-4	Vinyl Chloride	ND	0.20	ND	0.08
74-83-9	Bromomethane	ND	0.20	ND	0.05
75-00-3	Chloroethane	ND	0.20	ND	0.08
67-64-1	Acetone	ND	0.20	ND	0.08
75-69-4	Trichlorofluoromethane	ND	0.20	ND	0.04
75-35-4	1,1-Dichloroethene	3.8	0.20	0.95	0.05
75-09-2	Methylene chloride	ND	0.20	ND	0.06
76-13-1	Trichlorotrifluoroethane	ND	0.20	ND	0.03
75-15-0	Carbon Disulfide	ND	0.20	ND	0.06
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ND	0.05
75-34-3	1,1-Dichloroethane	0.34	0.20	0.08	0.05
1634-04-4	Methyl tert-Butyl Ether	ND	0.20	ND	0.06
108-05-4	Vinyl Acetate	ND	0.20	ND	0.06
78-93-3	2-Butanone	ND	0.20	ND	0.07
156-59-2	cis-1,2-Dichloroethene	0.19 TR	0.20	0.05 TR	0.05
67-66-3	Chloroform	2.9	0.20	0.60	0.04
107-06-2	1,2-Dichloroethane	ND	0.20	ND	0.05
71-55-6	1,1,1-Trichloroethane	ND	0.20	ND	0.04
71-43-2	Benzene	18	0.20	5.6	0.06
56-23-5	Carbon Tetrachloride	ND	0.20	ND	0.03
78-87-5	1,2-Dichloropropane	ND	0.20	ND	0.04

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2002418-009

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 5.00 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	0.20	ND	0.03
79-01-6	Trichloroethene	3.8	0.20	0.71	0.04
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ND	0.04
108-10-1	4-Methyl-2-pentanone	ND	0.20	ND	0.05
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ND	0.04
79-00-5	1,1,2-Trichloroethane	ND	0.20	ND	0.04
108-88-3	Toluene	1.3	0.20	0.35	0.05
591-78-6	2-Hexanone	ND	0.20	ND	0.05
124-48-1	Dibromochloromethane	ND	0.20	ND	0.02
106-93-4	1,2-Dibromoethane	ND	0.20	ND	0.03
127-18-4	Tetrachloroethene	0.95	0.20	0.14	0.03
108-90-7	Chlorobenzene	1.3	0.20	0.29	0.04
100-41-4	Ethylbenzene	0.87	0.20	0.20	0.05
1330-20-7	m- & p-Xylenes	2.0	0.20	0.46	0.05
75-25-2	Bromoform	ND	0.20	ND	0.02
100-42-5	Styrene	0.12 TR	0.20	0.03 TR	0.05
95-47-6	o-Xylene	0.44	0.20	0.10	0.05
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ND	0.03
541-73-1	1,3-Dichlorobenzene	ND	0.20	ND	0.03
106-46-7	1,4-Dichlorobenzene	0.29	0.20	0.05	0.03
95-50-1	1,2-Dichlorobenzene	0.13 TR	0.20	0.02 TR	0.03

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 1
PAI Sample ID : P2002418-010

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
74-83-9	Bromomethane	ND	5.0	ND	1.3
75-00-3	Chloroethane	ND	5.0	ND	1.9
67-64-1	Acetone	37	5.0	16	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.89
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	27	5.0	7.6	1.4
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.65
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	14	5.0	3.9	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	13	5.0	4.4	1.7
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.92
71-43-2	Benzene	18	5.0	5.5	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JA Date: 10/1/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 1
PAI Sample ID : P2002418-010

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	7.0	5.0	1.3	0.93
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.92
108-88-3	Toluene	79	5.0	21	1.3
591-78-6	2-Hexanone	ND	5.0	ND	1.2
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.65
127-18-4	Tetrachloroethene	3.2 TR	5.0	0.47 TR	0.74
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	17	5.0	3.8	1.2
1330-20-7	m- & p-Xylenes	94	5.0	22	1.2
75-25-2	Bromoform	ND	5.0	ND	0.48
100-42-5	Styrene	25	5.0	5.9	1.2
95-47-6	o-Xylene	44	5.0	10	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.73
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.83
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.83
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.83

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 2
PAI Sample ID : P2002418-011

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
74-83-9	Bromomethane	ND	5.0	ND	1.3
75-00-3	Chloroethane	ND	5.0	ND	1.9
67-64-1	Acetone	23	5.0	9.7	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.89
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	10	5.0	2.9	1.4
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.65
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	9.5	5.0	2.6	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	5.3	5.0	1.8	1.7
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.92
71-43-2	Benzene	14	5.0	4.4	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equip Blank 2
PAI Sample ID : P2002418-011

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.20 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	73	5.0	14	0.93
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.92
108-88-3	Toluene	42	5.0	11	1.3
591-78-6	2-Hexanone	ND	5.0	ND	1.2
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.65
127-18-4	Tetrachloroethene	7.3	5.0	1.1	0.74
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	9.5	5.0	2.2	1.2
1330-20-7	m- & p-Xylenes	52	5.0	12	1.2
75-25-2	Bromoform	ND	5.0	ND	0.48
100-42-5	Styrene	12	5.0	2.9	1.2
95-47-6	o-Xylene	24	5.0	5.5	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.73
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.83
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.83
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.83

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2002418-012

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.50 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	2.0	ND	0.97
75-01-4	Vinyl Chloride	ND	2.0	ND	0.78
74-83-9	Bromomethane	ND	2.0	ND	0.52
75-00-3	Chloroethane	ND	2.0	ND	0.76
67-64-1	Acetone	ND	2.0	ND	0.84
75-69-4	Trichlorofluoromethane	ND	2.0	ND	0.36
75-35-4	1,1-Dichloroethene	ND	2.0	ND	0.50
75-09-2	Methylene chloride	ND	2.0	ND	0.58
76-13-1	Trichlorotrifluoroethane	ND	2.0	ND	0.26
75-15-0	Carbon Disulfide	ND	2.0	ND	0.64
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ND	0.50
75-34-3	1,1-Dichloroethane	ND	2.0	ND	0.49
1634-04-4	Methyl tert-Butyl Ether	ND	2.0	ND	0.55
108-05-4	Vinyl Acetate	ND	2.0	ND	0.57
78-93-3	2-Butanone	ND	2.0	ND	0.68
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ND	0.50
67-66-3	Chloroform	ND	2.0	ND	0.41
107-06-2	1,2-Dichloroethane	ND	2.0	ND	0.49
71-55-6	1,1,1-Trichloroethane	ND	2.0	ND	0.37
71-43-2	Benzene	100	2.0	32	0.63
56-23-5	Carbon Tetrachloride	ND	2.0	ND	0.32
78-87-5	1,2-Dichloropropane	ND	2.0	ND	0.43

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2002418-012

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : 9/14/00
Date Received : 9/14/00
Date Analyzed : 9/16/00
Volume(s) Analyzed : 0.50 ml(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/m³	REPORTING LIMIT mg/m³	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	2.0	ND	0.30
79-01-6	Trichloroethene	16	2.0	2.9	0.37
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ND	0.44
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.49
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ND	0.44
79-00-5	1,1,2-Trichloroethane	ND	2.0	ND	0.37
108-88-3	Toluene	9.2	2.0	2.4	0.53
591-78-6	2-Hexanone	ND	2.0	ND	0.49
124-48-1	Dibromochloromethane	ND	2.0	ND	0.23
106-93-4	1,2-Dibromoethane	ND	2.0	ND	0.26
127-18-4	Tetrachloroethene	ND	2.0	ND	0.30
108-90-7	Chlorobenzene	ND	2.0	ND	0.43
100-41-4	Ethylbenzene	2.5	2.0	0.59	0.46
1330-20-7	m- & p-Xylenes	7.9	2.0	1.8	0.46
75-25-2	Bromoform	ND	2.0	ND	0.19
100-42-5	Styrene	ND	2.0	ND	0.47
95-47-6	o-Xylene	1.8 TR	2.0	0.41 TR	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ND	0.29
541-73-1	1,3-Dichlorobenzene	ND	2.0	ND	0.33
106-46-7	1,4-Dichlorobenzene	ND	2.0	ND	0.33
95-50-1	1,2-Dichlorobenzene	ND	2.0	ND	0.33

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000915-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 9/15/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

02418VOA.CY1 - MBlank

Page No.:

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000915-MB

Test Code : GC/MS Mod. EPA TO-14A
Instrument : HP5972/Tekmar AUTOCan Elite
Analyst : Cindy Yoon/Chris Parnell
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 9/15/00
Volume(s) Analyzed : 1.00 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 10/1/00

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PaU02418

2

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: 961025.03

Project Name: WEBB

Source of Samples: 5030 FIRESTONE BLVD, SOUTH GATE

Location: SVE

Analytical Laboratory: PERFORMANCE

Date Sampled: 9/14/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8055

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-1	BLOWER INFLUENT	VAPOR	1x5L TEDLAR	10:33	TO-14	2 WEEKS
-2	SVE-1	↓	↓	10:47	↓	↓
-3	SVE-2	↓	↓	10:43	↓	↓
-4	SVE-3	↓	↓	10:29	↓	↓
-5	SVE-D1	↓	↓	10:37	↓	↓
-6	VMP-1	↓	↓	11:08	↓	↓
-7	VMP-~~D1~~2	↓	↓	11:20	↓	↓
-8	VMP-D1	↓	↓	10:26	↓	↓
-9	VMP-D2	↓	↓	10:21	↓	↓
-10	EQUIP BLANK 1	↓	↓	10:15	↓	↓

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] EKI	9/14/00	14:06	[signature] ROBIN KNIGHT / Coast Courier
ROBIN KNIGHT / [signature]	9-14-00	3:53pm	JULIE FARRAR PAI

002517

P2002418 2/2

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: 961025.03

Project Name: WEBB

Source of Samples: 5030 FIRESTONE BLVD, SOUTH GATE

Location: SVE

Analytical Laboratory: PERFORMANCE

Date Sampled: 9/14/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8855

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-11	EQUIP BLANK 2	VAPOR	1x 5L TEDLAR	11:05	TO-14	2 WEEKS
-12	SVE-D1-DUP	↓	↓	10:39	↓	↓

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] / EKI	9/14/00	14:06	ROBIN KNIGHT / [signature] / Coast Courier
ROBIN KNIGHT / [signature]	9-14-00	3:53pm	JULIE FERRAR / PAI

002518

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RECEIVED
AUG - 8 2000
ERLER & KALINOWSKI, INC.
SANTA MONICA OFFICE

LABORATORY REPORT

Client:	ERLER & KALINOWSKI, INC.	Date of Report:	08/02/00
Address:	3250 Ocean Park Blvd., Suite 385	Date Received:	07/13/00
	Santa Monica, CA 90405	PAI Project No:	P2001740
Contact:	Mr. Brian Auchard	Purchase Order:	Verbal

Client Project ID: WEBB #961025.03

Three (3) Tedlar Bag Samples labeled:

"SVE-1" "SVE-D1" "Blower Influent"

The samples were received at the laboratory under chain of custody on July 13, 2000. The samples were received intact. The dates of analysis are indicated on the attached data sheets.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds and tentatively identified compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The method was modified for using Tedlar bags. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to an Entech 7100 automated whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data summary sheets.

Reviewed and Approved:

Christopher Casteel
Manager of Technical Operations

Reviewed and Approved:

Chris Parnell
Senior Chemist

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001740-001

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 0.020 milliliter(s)
0.0020 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	50	ND	24
75-01-4	Vinyl Chloride	ND	50	ND	20
75-00-3	Chloroethane	ND	50	ND	19
74-83-9	Bromomethane	ND	50	ND	13
67-64-1	Acetone	ND	50	ND	21
75-69-4	Trichlorofluoromethane	ND	50	ND	9.0
75-35-4	1,1-Dichloroethene	ND	50	ND	13
75-09-2	Methylene chloride	ND	50	ND	15
75-15-0	Carbon Disulfide	ND	50	ND	16
76-13-1	Trichlorotrifluoroethane	ND	50	ND	6.6
156-60-5	trans-1,2-Dichloroethene	ND	50	ND	13
156-59-2	cis-1,2-Dichloroethene	ND	50	ND	13
75-34-3	1,1-Dichloroethane	ND	50	ND	12
1634-04-4	Methyl tert-Butyl Ether	ND	50	ND	14
108-05-4	Vinyl Acetate	ND	50	ND	14
78-93-3	2-Butanone	ND	50	ND	17
67-66-3	Chloroform	ND	50	ND	10
107-06-2	1,2-Dichloroethane	ND	50	ND	12
71-55-6	1,1,1-Trichloroethane	ND	50	ND	9.3
71-43-2	Benzene	ND	50	ND	16
56-23-5	Carbon Tetrachloride	ND	50	ND	8.0
78-87-5	1,2-Dichloropropane	ND	50	ND	11

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/27/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001740-001

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 0.020 milliliter(s)
0.0020 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	50	ND	7.5
79-01-6	Trichloroethene	12,000	50	2,200	9.4
10061-01-5	cis-1,3-Dichloropropene	ND	50	ND	11
108-10-1	4-Methyl-2-pentanone	ND	50	ND	12
10061-02-6	trans-1,3-Dichloropropene	ND	50	ND	11
79-00-5	1,1,2-Trichloroethane	ND	50	ND	9.3
108-88-3	Toluene	ND	50	ND	13
124-48-1	Dibromochloromethane	ND	50	ND	5.9
591-78-6	2-Hexanone	ND	50	ND	12
106-93-4	1,2-Dibromoethane	ND	50	ND	6.6
127-18-4	Tetrachloroethene	400	50	60	7.5
108-90-7	Chlorobenzene	ND	50	ND	11
100-41-4	Ethylbenzene	ND	50	ND	12
75-25-2	Bromoform	ND	50	ND	4.9
100-42-5	Styrene	ND	50	ND	12
1330-20-7	m,p-Xylenes	ND	50	ND	12
95-47-6	o-Xylene	ND	50	ND	12
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ND	7.4
541-73-1	1,3-Dichlorobenzene	ND	50	ND	8.4
106-46-7	1,4-Dichlorobenzene	ND	50	ND	8.4
95-50-1	1,2-Dichlorobenzene	ND	50	ND	8.4

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2001740-002

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 1.000 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	80	1.0	25	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/27/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2001740-002

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 1.000 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	27	1.0	5.1	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	0.90 TR	1.0	0.24 TR	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	6.6	1.0	1.5	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	5.9	1.0	1.4	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2001740-003

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 0.500 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	2.0	ND	0.98
75-01-4	Vinyl Chloride	ND	2.0	ND	0.79
75-00-3	Chloroethane	ND	2.0	ND	0.76
74-83-9	Bromomethane	ND	2.0	ND	0.52
67-64-1	Acetone	ND	2.0	ND	0.84
75-69-4	Trichlorofluoromethane	ND	2.0	ND	0.36
75-35-4	1,1-Dichloroethene	1.4 TR	2.0	0.36 TR	0.51
75-09-2	Methylene chloride	ND	2.0	ND	0.58
75-15-0	Carbon Disulfide	ND	2.0	ND	0.64
76-13-1	Trichlorotrifluoroethane	ND	2.0	ND	0.26
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ND	0.51
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ND	0.51
75-34-3	1,1-Dichloroethane	ND	2.0	ND	0.50
1634-04-4	Methyl tert-Butyl Ether	ND	2.0	ND	0.56
108-05-4	Vinyl Acetate	ND	2.0	ND	0.57
78-93-3	2-Butanone	ND	2.0	ND	0.68
67-66-3	Chloroform	ND	2.0	ND	0.41
107-06-2	1,2-Dichloroethane	ND	2.0	ND	0.50
71-55-6	1,1,1-Trichloroethane	ND	2.0	ND	0.37
71-43-2	Benzene	33	2.0	10	0.63
56-23-5	Carbon Tetrachloride	ND	2.0	ND	0.32
78-87-5	1,2-Dichloropropane	ND	2.0	ND	0.44

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Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2001740-003

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/13/00
Date Received : 07/13/00
Date Analyzed : 07/14/00
Volume(s) Analyzed : 0.500 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	2.0	ND	0.30
79-01-6	Trichloroethene	97	2.0	18	0.38
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ND	0.44
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.49
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ND	0.44
79-00-5	1,1,2-Trichloroethane	ND	2.0	ND	0.37
108-88-3	Toluene	ND	2.0	ND	0.53
124-48-1	Dibromochloromethane	ND	2.0	ND	0.24
591-78-6	2-Hexanone	ND	2.0	ND	0.49
106-93-4	1,2-Dibromoethane	ND	2.0	ND	0.26
127-18-4	Tetrachloroethene	5.5	2.0	0.82	0.30
108-90-7	Chlorobenzene	ND	2.0	ND	0.44
100-41-4	Ethylbenzene	2.8	2.0	0.66	0.46
75-25-2	Bromoform	ND	2.0	ND	0.20
100-42-5	Styrene	ND	2.0	ND	0.47
1330-20-7	m,p-Xylenes	2.9	2.0	0.67	0.46
95-47-6	o-Xylene	ND	2.0	ND	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ND	0.29
541-73-1	1,3-Dichlorobenzene	ND	2.0	ND	0.34
106-46-7	1,4-Dichlorobenzene	ND	2.0	ND	0.34
95-50-1	1,2-Dichlorobenzene	ND	2.0	ND	0.34

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Verified by : KA

Date : 7/27/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 07/14/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/27/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 07/14/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/27/00

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P2001740

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: 96102.03

Project Name: WEBB

Source of Samples: SVE SYSTEM

Location: 5030 FIRESTONE BLVD, SOUTH GATE

Analytical Laboratory: PERFORMANCE

Date Sampled: 7/13/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8855

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-1	SVE-1	VAPOR	1-L TEDLAR	13:00	TO-14	10 DAY
-2	SVE-D1	↓	↓	12:50	↓	↓
-3	BLOWER INFLUENT	↓	↓	12:55	↓	↓

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] /EKI	7/13/00	14:40	[signature]
[signature]	7-13	435	

002529

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RECEIVED
AUG 1 0 2000
ERLER & KALINOWSKI, INC.
SANTA MONICA OFFICE

LABORATORY REPORT

Client:	ERLER & KALINOWSKI, INC.	Date of Report:	07/31/00
Address:	3250 Ocean Park Blvd., Suite 385	Date Received:	07/06/00
	Santa Monica, CA 90405	PAI Project No:	P2001674
Contact:	Mr. Brian Auchard	Purchase Order:	Verbal

Client Project ID: WEBB #961025.03

Eleven (11) Tedlar Bag Samples labeled:

"Equipment Blank"	"SVE-1"	"SVE-2"	"SVE-3"
"SVE-D1"	"VMP-1"	"VMP-2"	"VMP-D1"
"VMP-D2"	"SVE-D1-DUP"	"Blower Influent"	

The samples were received at the laboratory under chain of custody on July 6, 2000. The samples were received intact. The dates of analysis are indicated on the attached data sheets.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to an Entech 7100 automated whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data summary sheets.

Reviewed and Approved:

Christopher Casteel
Manager of Technical Operations

Reviewed and Approved:

Chris Parnell
Senior Chemist

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Air Quality Laboratory
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An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equipment Blank
PAI Sample ID : P2001674-001

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	1.6	1.0	0.77	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	17	1.0	7.1	0.42
75-69-4	Trichlorofluoromethane	2.5	1.0	0.46	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	1.1	1.0	0.33	0.29
75-15-0	Carbon Disulfide	3.4	1.0	1.1	0.32
76-13-1	Trichlorotrifluoroethane	1.0	1.0	0.13	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	6.5	1.0	1.8	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.4	1.0	1.8	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	2.4	1.0	0.76	0.31
56-23-5	Carbon Tetrachloride	0.85 TR	1.0	0.14 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Equipment Blank
PAI Sample ID : P2001674-001

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	2.2	1.0	0.42	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	14	1.0	3.7	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	11	1.0	1.6	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	4.1	1.0	0.94	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.2	1.0	0.28	0.24
1330-20-7	m,p-Xylenes	27	1.0	6.2	0.23
95-47-6	o-Xylene	13	1.0	2.9	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	0.61 TR	1.0	0.10 TR	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001674-002

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.010 milliliter(s)
0.0050 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	100	ND	49
75-01-4	Vinyl Chloride	ND	100	ND	39
75-00-3	Chloroethane	ND	100	ND	38
74-83-9	Bromomethane	ND	100	ND	26
67-64-1	Acetone	ND	100	ND	42
75-69-4	Trichlorofluoromethane	ND	100	ND	18
75-35-4	1,1-Dichloroethene	ND	100	ND	25
75-09-2	Methylene chloride	ND	100	ND	29
75-15-0	Carbon Disulfide	200	100	63	32
76-13-1	Trichlorotrifluoroethane	ND	100	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	100	ND	25
156-59-2	cis-1,2-Dichloroethene	ND	100	ND	25
75-34-3	1,1-Dichloroethane	ND	100	ND	25
1634-04-4	Methyl tert-Butyl Ether	ND	100	ND	28
108-05-4	Vinyl Acetate	ND	100	ND	28
78-93-3	2-Butanone	ND	100	ND	34
67-66-3	Chloroform	ND	100	ND	21
107-06-2	1,2-Dichloroethane	ND	100	ND	25
71-55-6	1,1,1-Trichloroethane	ND	100	ND	19
71-43-2	Benzene	ND	100	ND	31
56-23-5	Carbon Tetrachloride	ND	100	ND	16
78-87-5	1,2-Dichloropropane	ND	100	ND	22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001674-002

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.010 milliliter(s)
0.0050 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	100	ND	15
79-01-6	Trichloroethene	17,000	100	3,300	19
10061-01-5	cis-1,3-Dichloropropene	ND	100	ND	22
108-10-1	4-Methyl-2-pentanone	ND	100	ND	24
10061-02-6	trans-1,3-Dichloropropene	ND	100	ND	22
79-00-5	1,1,2-Trichloroethane	ND	100	ND	19
108-88-3	Toluene	ND	100	ND	27
124-48-1	Dibromochloromethane	ND	100	ND	12
591-78-6	2-Hexanone	ND	100	ND	24
106-93-4	1,2-Dibromoethane	ND	100	ND	13
127-18-4	Tetrachloroethene	720	100	110	15
108-90-7	Chlorobenzene	ND	100	ND	22
100-41-4	Ethylbenzene	ND	100	ND	23
75-25-2	Bromoform	ND	100	ND	9.8
100-42-5	Styrene	ND	100	ND	24
1330-20-7	m,p-Xylenes	ND	100	ND	23
95-47-6	o-Xylene	ND	100	ND	23
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ND	15
541-73-1	1,3-Dichlorobenzene	ND	100	ND	17
106-46-7	1,4-Dichlorobenzene	ND	100	ND	17
95-50-1	1,2-Dichlorobenzene	ND	100	ND	17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001674-002 Dup

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.010 milliliter(s)
0.0050 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	100	ND	49
75-01-4	Vinyl Chloride	ND	100	ND	39
75-00-3	Chloroethane	ND	100	ND	38
74-83-9	Bromomethane	ND	100	ND	26
67-64-1	Acetone	ND	100	ND	42
75-69-4	Trichlorofluoromethane	ND	100	ND	18
75-35-4	1,1-Dichloroethene	ND	100	ND	25
75-09-2	Methylene chloride	ND	100	ND	29
75-15-0	Carbon Disulfide	210	100	67	32
76-13-1	Trichlorotrifluoroethane	ND	100	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	100	ND	25
156-59-2	cis-1,2-Dichloroethene	ND	100	ND	25
75-34-3	1,1-Dichloroethane	ND	100	ND	25
1634-04-4	Methyl tert-Butyl Ether	ND	100	ND	28
108-05-4	Vinyl Acetate	ND	100	ND	28
78-93-3	2-Butanone	ND	100	ND	34
67-66-3	Chloroform	ND	100	ND	21
107-06-2	1,2-Dichloroethane	ND	100	ND	25
71-55-6	1,1,1-Trichloroethane	ND	100	ND	19
71-43-2	Benzene	ND	100	ND	31
56-23-5	Carbon Tetrachloride	ND	100	ND	16
78-87-5	1,2-Dichloropropane	ND	100	ND	22

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Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-1
PAI Sample ID : P2001674-002 Dup

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.010 milliliter(s)
0.0050 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	100	ND	15
79-01-6	Trichloroethene	16,000	100	3,100	19
10061-01-5	cis-1,3-Dichloropropene	ND	100	ND	22
108-10-1	4-Methyl-2-pentanone	ND	100	ND	24
10061-02-6	trans-1,3-Dichloropropene	ND	100	ND	22
79-00-5	1,1,2-Trichloroethane	ND	100	ND	19
108-88-3	Toluene	ND	100	ND	27
124-48-1	Dibromochloromethane	ND	100	ND	12
591-78-6	2-Hexanone	ND	100	ND	24
106-93-4	1,2-Dibromoethane	ND	100	ND	13
127-18-4	Tetrachloroethene	730	100	110	15
108-90-7	Chlorobenzene	ND	100	ND	22
100-41-4	Ethylbenzene	ND	100	ND	23
75-25-2	Bromoform	ND	100	ND	9.8
100-42-5	Styrene	ND	100	ND	24
1330-20-7	m,p-Xylenes	ND	100	ND	23
95-47-6	o-Xylene	ND	100	ND	23
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ND	15
541-73-1	1,3-Dichlorobenzene	ND	100	ND	17
106-46-7	1,4-Dichlorobenzene	ND	100	ND	17
95-50-1	1,2-Dichlorobenzene	ND	100	ND	17

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2001674-003

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.100 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	10	ND	4.9
75-01-4	Vinyl Chloride	ND	10	ND	3.9
75-00-3	Chloroethane	ND	10	ND	3.8
74-83-9	Bromomethane	ND	10	ND	2.6
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	ND	10	ND	2.9
75-15-0	Carbon Disulfide	21	10	6.6	3.2
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
67-66-3	Chloroform	6.8 TR	10	1.4 TR	2.1
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.9
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
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Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-2
PAI Sample ID : P2001674-003

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.100 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	650	10	120	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.9
108-88-3	Toluene	ND	10	ND	2.7
124-48-1	Dibromochloromethane	ND	10	ND	1.2
591-78-6	2-Hexanone	ND	10	ND	2.4
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	24	10	3.6	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.98
100-42-5	Styrene	ND	10	ND	2.4
1330-20-7	m,p-Xylenes	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2001674-004

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	500	ND	240
75-01-4	Vinyl Chloride	ND	500	ND	200
75-00-3	Chloroethane	ND	500	ND	190
74-83-9	Bromomethane	ND	500	ND	130
67-64-1	Acetone	ND	500	ND	210
75-69-4	Trichlorofluoromethane	ND	500	ND	90
75-35-4	1,1-Dichloroethene	760	500	190	130
75-09-2	Methylene chloride	ND	500	ND	150
75-15-0	Carbon Disulfide	ND	500	ND	160
76-13-1	Trichlorotrifluoroethane	ND	500	ND	66
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130
75-34-3	1,1-Dichloroethane	ND	500	ND	120
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140
108-05-4	Vinyl Acetate	ND	500	ND	140
78-93-3	2-Butanone	550	500	190	170
67-66-3	Chloroform	ND	500	ND	100
107-06-2	1,2-Dichloroethane	ND	500	ND	120
71-55-6	1,1,1-Trichloroethane	ND	500	ND	93
71-43-2	Benzene	ND	500	ND	160
56-23-5	Carbon Tetrachloride	ND	500	ND	80
78-87-5	1,2-Dichloropropane	ND	500	ND	110

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-3
PAI Sample ID : P2001674-004

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	500	ND	75
79-01-6	Trichloroethene	39,000	500	7,400	94
10061-01-5	cis-1,3-Dichloropropene	ND	500	ND	110
108-10-1	4-Methyl-2-pentanone	ND	500	ND	120
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110
79-00-5	1,1,2-Trichloroethane	ND	500	ND	93
108-88-3	Toluene	ND	500	ND	130
124-48-1	Dibromochloromethane	ND	500	ND	59
591-78-6	2-Hexanone	ND	500	ND	120
106-93-4	1,2-Dibromoethane	ND	500	ND	66
127-18-4	Tetrachloroethene	24,000	500	3,700	75
108-90-7	Chlorobenzene	ND	500	ND	110
100-41-4	Ethylbenzene	ND	500	ND	120
75-25-2	Bromoform	ND	500	ND	49
100-42-5	Styrene	ND	500	ND	120
1330-20-7	m,p-Xylenes	ND	500	ND	120
95-47-6	o-Xylene	ND	500	ND	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	74
541-73-1	1,3-Dichlorobenzene	ND	500	ND	84
106-46-7	1,4-Dichlorobenzene	ND	500	ND	84
95-50-1	1,2-Dichlorobenzene	ND	500	ND	84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2001674-005

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.200 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	12	5.0	5.3	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	2.6 TR	5.0	0.66 TR	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	10	5.0	3.3	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
67-66-3	Chloroform	3.8 TR	5.0	0.79 TR	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	ND	5.0	ND	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1
PAI Sample ID : P2001674-005

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.200 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	490	5.0	92	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	3.4 TR	5.0	0.90 TR	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	11	5.0	1.6	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2001674-006

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.200 Liter(s)
0.100 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	4.2 TR	5.0	2.1 TR	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	53	5.0	22	2.1
75-69-4	Trichlorofluoromethane	4.5 TR	5.0	0.81 TR	0.90
75-35-4	1,1-Dichloroethene	43	5.0	11	1.3
75-09-2	Methylene chloride	3.6 TR	5.0	1.0 TR	1.5
75-15-0	Carbon Disulfide	13	5.0	4.3	1.6
76-13-1	Trichlorotrifluoroethane	4.6 TR	5.0	0.60 TR	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	9.2	5.0	2.3	1.2
1634-04-4	Methyl tert-Butyl Ether	6.2	5.0	1.7	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	35	5.0	12	1.7
67-66-3	Chloroform	2.6 TR	5.0	0.54 TR	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	9.1	5.0	1.7	0.93
71-43-2	Benzene	3.6 TR	5.0	1.1 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-1
PAI Sample ID : P2001674-006

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.200 Liter(s)
0.100 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	670	5.0	130	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	17	5.0	4.5	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	19	5.0	2.8	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	6.4	5.0	1.5	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	37	5.0	8.5	1.2
95-47-6	o-Xylene	17	5.0	3.9	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2001674-007

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0030 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	330	ND	160
75-01-4	Vinyl Chloride	ND	330	ND	130
75-00-3	Chloroethane	ND	330	ND	130
74-83-9	Bromomethane	ND	330	ND	87
67-64-1	Acetone	ND	330	ND	140
75-69-4	Trichlorofluoromethane	ND	330	ND	60
75-35-4	1,1-Dichloroethene	ND	330	ND	85
75-09-2	Methylene chloride	ND	330	ND	97
75-15-0	Carbon Disulfide	ND	330	ND	110
76-13-1	Trichlorotrifluoroethane	ND	330	ND	44
156-60-5	trans-1,2-Dichloroethene	ND	330	ND	85
156-59-2	cis-1,2-Dichloroethene	ND	330	ND	85
75-34-3	1,1-Dichloroethane	ND	330	ND	83
1634-04-4	Methyl tert-Butyl Ether	ND	330	ND	93
108-05-4	Vinyl Acetate	ND	330	ND	95
78-93-3	2-Butanone	ND	330	ND	110
67-66-3	Chloroform	ND	330	ND	69
107-06-2	1,2-Dichloroethane	ND	330	ND	83
71-55-6	1,1,1-Trichloroethane	ND	330	ND	62
71-43-2	Benzene	ND	330	ND	100
56-23-5	Carbon Tetrachloride	ND	330	ND	54
78-87-5	1,2-Dichloropropane	ND	330	ND	73

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-2
PAI Sample ID : P2001674-007

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0030 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	330	ND	50
79-01-6	Trichloroethene	28,000	330	5,200	63
10061-01-5	cis-1,3-Dichloropropene	ND	330	ND	74
108-10-1	4-Methyl-2-pentanone	ND	330	ND	82
10061-02-6	trans-1,3-Dichloropropene	ND	330	ND	74
79-00-5	1,1,2-Trichloroethane	ND	330	ND	62
108-88-3	Toluene	ND	330	ND	89
124-48-1	Dibromochloromethane	ND	330	ND	40
591-78-6	2-Hexanone	ND	330	ND	82
106-93-4	1,2-Dibromoethane	ND	330	ND	44
127-18-4	Tetrachloroethene	1,600	330	240	50
108-90-7	Chlorobenzene	ND	330	ND	73
100-41-4	Ethylbenzene	ND	330	ND	77
75-25-2	Bromoform	ND	330	ND	33
100-42-5	Styrene	ND	330	ND	78
1330-20-7	m,p-Xylenes	ND	330	ND	77
95-47-6	o-Xylene	ND	330	ND	77
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	ND	49
541-73-1	1,3-Dichlorobenzene	ND	330	ND	56
106-46-7	1,4-Dichlorobenzene	ND	330	ND	56
95-50-1	1,2-Dichlorobenzene	ND	330	ND	56

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2001674-008

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	500	ND	240
75-01-4	Vinyl Chloride	ND	500	ND	200
75-00-3	Chloroethane	ND	500	ND	190
74-83-9	Bromomethane	ND	500	ND	130
67-64-1	Acetone	ND	500	ND	210
75-69-4	Trichlorofluoromethane	ND	500	ND	90
75-35-4	1,1-Dichloroethene	ND	500	ND	130
75-09-2	Methylene chloride	ND	500	ND	150
75-15-0	Carbon Disulfide	ND	500	ND	160
76-13-1	Trichlorotrifluoroethane	ND	500	ND	66
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130
75-34-3	1,1-Dichloroethane	ND	500	ND	120
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140
108-05-4	Vinyl Acetate	ND	500	ND	140
78-93-3	2-Butanone	4,400	500	1,500	170
67-66-3	Chloroform	ND	500	ND	100
107-06-2	1,2-Dichloroethane	ND	500	ND	120
71-55-6	1,1,1-Trichloroethane	ND	500	ND	93
71-43-2	Benzene	ND	500	ND	160
56-23-5	Carbon Tetrachloride	ND	500	ND	80
78-87-5	1,2-Dichloropropane	ND	500	ND	110

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D1
PAI Sample ID : P2001674-008

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	500	ND	75
79-01-6	Trichloroethene	50,000	500	9,400	94
10061-01-5	cis-1,3-Dichloropropene	ND	500	ND	110
108-10-1	4-Methyl-2-pentanone	ND	500	ND	120
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110
79-00-5	1,1,2-Trichloroethane	ND	500	ND	93
108-88-3	Toluene	ND	500	ND	130
124-48-1	Dibromochloromethane	ND	500	ND	59
591-78-6	2-Hexanone	ND	500	ND	120
106-93-4	1,2-Dibromoethane	ND	500	ND	66
127-18-4	Tetrachloroethene	1,100	500	170	75
108-90-7	Chlorobenzene	ND	500	ND	110
100-41-4	Ethylbenzene	ND	500	ND	120
75-25-2	Bromoform	ND	500	ND	49
100-42-5	Styrene	ND	500	ND	120
1330-20-7	m,p-Xylenes	ND	500	ND	120
95-47-6	o-Xylene	ND	500	ND	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	74
541-73-1	1,3-Dichlorobenzene	ND	500	ND	84
106-46-7	1,4-Dichlorobenzene	ND	500	ND	84
95-50-1	1,2-Dichlorobenzene	ND	500	ND	84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : EA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2001674-009

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	500	ND	240
75-01-4	Vinyl Chloride	ND	500	ND	200
75-00-3	Chloroethane	ND	500	ND	190
74-83-9	Bromomethane	ND	500	ND	130
67-64-1	Acetone	ND	500	ND	210
75-69-4	Trichlorofluoromethane	ND	500	ND	90
75-35-4	1,1-Dichloroethene	2,200	500	550	130
75-09-2	Methylene chloride	ND	500	ND	150
75-15-0	Carbon Disulfide	860	500	280	160
76-13-1	Trichlorotrifluoroethane	ND	500	ND	66
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130
156-59-2	cis-1,2-Dichloroethene	270 TR	500	69 TR	130
75-34-3	1,1-Dichloroethane	270 TR	500	67 TR	120
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140
108-05-4	Vinyl Acetate	ND	500	ND	140
78-93-3	2-Butanone	1,000	500	340	170
67-66-3	Chloroform	ND	500	ND	100
107-06-2	1,2-Dichloroethane	ND	500	ND	120
71-55-6	1,1,1-Trichloroethane	ND	500	ND	93
71-43-2	Benzene	ND	500	ND	160
56-23-5	Carbon Tetrachloride	ND	500	ND	80
78-87-5	1,2-Dichloropropane	ND	500	ND	110

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : VMP-D2
PAI Sample ID : P2001674-009

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/07/00
Volume(s) Analyzed : 0.0020 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	500	ND	75
79-01-6	Trichloroethene	30,000	500	5,700	94
10061-01-5	cis-1,3-Dichloropropene	ND	500	ND	110
108-10-1	4-Methyl-2-pentanone	ND	500	ND	120
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110
79-00-5	1,1,2-Trichloroethane	ND	500	ND	93
108-88-3	Toluene	ND	500	ND	130
124-48-1	Dibromochloromethane	ND	500	ND	59
591-78-6	2-Hexanone	ND	500	ND	120
106-93-4	1,2-Dibromoethane	ND	500	ND	66
127-18-4	Tetrachloroethene	2,300	500	350	75
108-90-7	Chlorobenzene	ND	500	ND	110
100-41-4	Ethylbenzene	ND	500	ND	120
75-25-2	Bromoform	ND	500	ND	49
100-42-5	Styrene	ND	500	ND	120
1330-20-7	m,p-Xylenes	ND	500	ND	120
95-47-6	o-Xylene	ND	500	ND	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	74
541-73-1	1,3-Dichlorobenzene	ND	500	ND	84
106-46-7	1,4-Dichlorobenzene	ND	500	ND	84
95-50-1	1,2-Dichlorobenzene	ND	500	ND	84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2001674-010

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/08/00
Volume(s) Analyzed : 0.200 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	ND	5.0	ND	2.1
75-69-4	Trichlorofluoromethane	3.7 TR	5.0	0.67 TR	0.90
75-35-4	1,1-Dichloroethene	3.6 TR	5.0	0.92 TR	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	13	5.0	4.3	1.6
76-13-1	Trichlorotrifluoroethane	5.8	5.0	0.76	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
67-66-3	Chloroform	4.8 TR	5.0	0.98 TR	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	ND	5.0	ND	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : SVE-D1-DUP
PAI Sample ID : P2001674-010

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/08/00
Volume(s) Analyzed : 0.200 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	490	5.0	93	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	ND	5.0	ND	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	9.9	5.0	1.5	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : KA

Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2001674-011

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/08/00
Volume(s) Analyzed : 0.500 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
74-87-3	Chloromethane	ND	2.0	ND	0.98
75-01-4	Vinyl Chloride	ND	2.0	ND	0.79
75-00-3	Chloroethane	ND	2.0	ND	0.76
74-83-9	Bromomethane	1.4 TR	2.0	0.37 TR	0.52
67-64-1	Acetone	5.2	2.0	2.2	0.84
75-69-4	Trichlorofluoromethane	2.0 TR	2.0	0.35 TR	0.36
75-35-4	1,1-Dichloroethene	2.0	2.0	0.51	0.51
75-09-2	Methylene chloride	1.7 TR	2.0	0.48 TR	0.58
75-15-0	Carbon Disulfide	4.9	2.0	1.6	0.64
76-13-1	Trichlorotrifluoroethane	2.9	2.0	0.38	0.26
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ND	0.51
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ND	0.51
75-34-3	1,1-Dichloroethane	1.0 TR	2.0	0.26 TR	0.50
1634-04-4	Methyl tert-Butyl Ether	ND	2.0	ND	0.56
108-05-4	Vinyl Acetate	ND	2.0	ND	0.57
78-93-3	2-Butanone	ND	2.0	ND	0.68
67-66-3	Chloroform	1.8 TR	2.0	0.37 TR	0.41
107-06-2	1,2-Dichloroethane	ND	2.0	ND	0.50
71-55-6	1,1,1-Trichloroethane	1.0 TR	2.0	0.19 TR	0.37
71-43-2	Benzene	1.8 TR	2.0	0.56 TR	0.63
56-23-5	Carbon Tetrachloride	ND	2.0	ND	0.32
78-87-5	1,2-Dichloropropane	ND	2.0	ND	0.44

TR = Detected Below Indicated Reporting Limit
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Date : 7/19/00

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : Blower Influent
PAI Sample ID : P2001674-011

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : 07/06/00
Date Received : 07/06/00
Date Analyzed : 07/08/00
Volume(s) Analyzed : 0.500 milliliter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT mg/M^3	REPORTING LIMIT mg/M^3	RESULT ppm	REPORTING LIMIT ppm
75-27-4	Bromodichloromethane	ND	2.0	ND	0.30
79-01-6	Trichloroethene	190	2.0	37	0.38
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ND	0.44
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.49
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ND	0.44
79-00-5	1,1,2-Trichloroethane	ND	2.0	ND	0.37
108-88-3	Toluene	ND	2.0	ND	0.53
124-48-1	Dibromochloromethane	ND	2.0	ND	0.24
591-78-6	2-Hexanone	ND	2.0	ND	0.49
106-93-4	1,2-Dibromoethane	ND	2.0	ND	0.26
127-18-4	Tetrachloroethene	5.5	2.0	0.82	0.30
108-90-7	Chlorobenzene	ND	2.0	ND	0.44
100-41-4	Ethylbenzene	ND	2.0	ND	0.46
75-25-2	Bromoform	ND	2.0	ND	0.20
100-42-5	Styrene	ND	2.0	ND	0.47
1330-20-7	m,p-Xylenes	2.2	2.0	0.50	0.46
95-47-6	o-Xylene	ND	2.0	ND	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ND	0.29
541-73-1	1,3-Dichlorobenzene	ND	2.0	ND	0.34
106-46-7	1,4-Dichlorobenzene	ND	2.0	ND	0.34
95-50-1	1,2-Dichlorobenzene	ND	2.0	ND	0.34

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 07/07/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

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RESULTS OF ANALYSIS

Client : Erler & Kalinowski, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA Mod. TO-14A
Analyst : Chris Casteel
Instrument : HP 5973/Entech 7100
Matrix : Tedlar Bag

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 07/07/00
Volume(s) Analyzed : 1.000 Liter(s)

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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ND = Not Detected

Verified by : KA

Date : 7/19/00

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P2U01074 (1/2)

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Analytical Laboratory: PERFORMANCE

Project Number: 96102S.03

Date Sampled: 7/6/00

Project Name: WEBB

Sampled By: BJA

Source of Samples: 5030 FIRESTONE BLVD

Report Results To: BRIAN AUCHARD

Location:

Phone Number: (310) 314-8055

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-1	EQUIPMENT BLANK	VAPOR	1-SL TEDLAR	07:50	TO-14	10 DAYS
-2	SVE-1			09:49		
-3	SVE-2			09:25		
-4	SVE-3			08:46		
-5	SVE-D1			09:34		
-6	VMP-1			08:06		
-7	VMP-2			08:20		
-8	VMP-D1			08:57		
-9	VMP-D2			~~08:57~~ 09:12		
-10	SVE-D1-DUP			09:36		

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] / EKI	7/6/00	16:05	[signature] CONST.
[signature]	7-6-00	5:45	Shelley Taylor

002558

P20016.1

(2/2)

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: 961025.03

Project Name: WEBB

Source of Samples: 5030 FIRESTONE BLVD.

Location:

Analytical Laboratory: PERFORMANCE

Date Sampled: 7/6/00

Sampled By: BJA

Report Results To: BRIAN AUCHARD

Phone Number: (310) 314-8855

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
-11	BLOWER INFLUENT	VAPOR	1-5L TEDLAR	10:23	TO-14	10 DAYS

Special Instructions:

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
BRIAN AUCHARD / [signature] /EKI	7/6/00	16:05	[signature] COAST
[signature]	7-6-00	5:45	Shelly Taylor

002559