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Monitoring and Data Analysis for the Vadose Zone Monitoring System (VZMS), McClellan AFB

Quarterly Status Report (11/15/97–2/20/98)

P.T. Zawislanski, H.S. Mountford,
R. Dahlquist, and S.J. Rodriguez

Earth Sciences Division

May 1998

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Monitoring and Data Analysis for the Vadose Zone Monitoring System (VZMS), McClellan AFB

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P.T. Zawislanski

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1.0 INTRODUCTION

This report contains information on field and laboratory work performed between November 15th, 1997 and February 20th, 1998, at site S-7 in IC 34, at McClellan AFB. At this location, a Vadose Zone Monitoring System (VZMS) (LBNL, 1996) is currently being used to collect subsurface data including hydraulic potential, soil gas pressure, moisture content, water chemistry, gas chemistry, and temperature.

This report describes:

- moisture content changes, based on neutron logging
- gas-phase VOC concentrations
- aqueous-phase VOC concentrations
- temperature profiles
- pressure readings

2.0 RESULTS

2.1 Moisture Content--Neutron Probe Readings

Neutron logging provides a one-dimensional distribution of moisture content in the formation. Due to the presence of casing and backfill material, as well as the spatial variability of geologic properties of the medium, this information is largely qualitative, although relative percentage change in moisture content at any one point can be quantified. Therefore, this tool is best used to measure changes in the moisture distribution, whether due to evaporation or rainfall infiltration. In conjunction with moisture content data from cores, a calibration of neutron counts to moisture content is possible.

Neutron logging was performed at the site on 12/15/97, 1/21/98, and 2/19/98 using a CPN 503DR Hydroprobe consisting of a 50 mCi Am-Be neutron source and a He detector of thermal neutrons. An obstruction in Well NP-A at 25 ft continues to prevent the logging of this hole below that depth.

Well NP-B was logged to a depth of 98 ft. Results of measurements in Well NP-B are shown in Fig. 1. The neutron count data are presented as volumetric moisture content, based on a regression derived in LBNL (1998), which is shown below:

$$\textit{vol. moisture content} = 78.985 \times (counts)^2 - 57.713 \times (counts) + 0.827 \qquad (r^2 = 0.675)$$

As seen from these results, the volumetric moisture content in the formation did not change significantly during this period, though slight, but consistent increases were observed at depths close to the surface (3 and 5 ft), suggesting that rainfall-related subgrade water movement may be occurring.

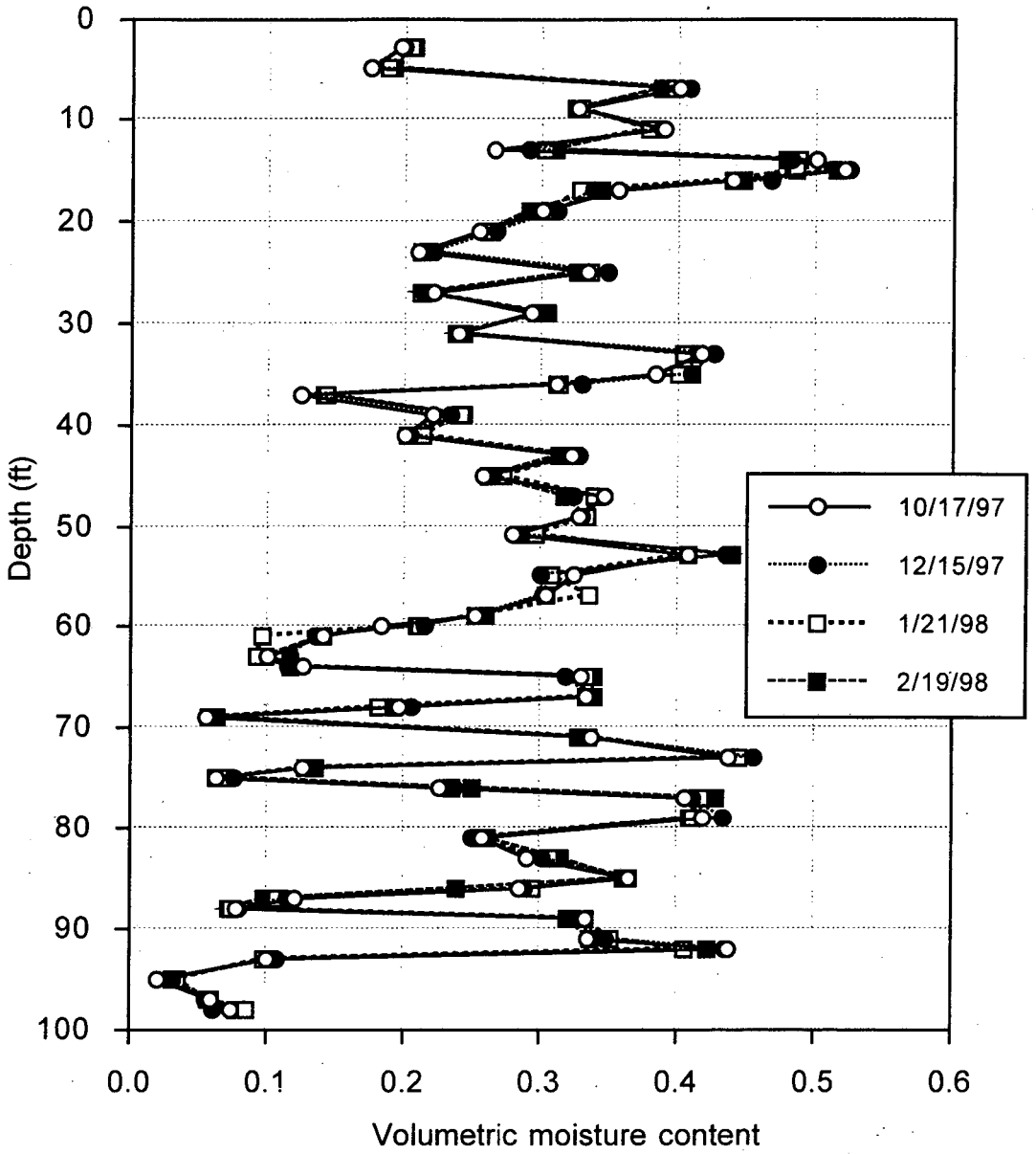

Figure 1. Volumetric moisture content based on neutron counts measured in Well NP-B over the period 10/97 to 2/98.

2.2 Gas-Phase VOC Concentrations

The gas phase is being sampled via in-situ gas samplers consisting of a 7.62 cm long, 100 μm porous metal cylinder with welded top and bottom flanges. A 1/4 in diameter stainless steel tube extends out from the top flange and is connected using Swagelok™ compression fittings to a 1/4 in Teflon tube that goes up to the ground surface. In order to purge the gas collected in the gas probe, a photo-ionization detector (PID-580) is used. The sampler is purged until the PID reading is stable. The PID is then disconnected and a gas sample is collected by applying a vacuum through an absorbent tube. A calibrated volumetric pump is used for this purpose and the exact time and

volume collected are recorded. The absorbent tube is sealed with brass Swagelok™ compression fittings lined with Teflon gaskets. This sampling method does not require refrigeration and the sample holding time is 25 days. EPA TO14 analyses are performed by the Environmental Measurements Laboratory of LBNL.

To date, eight complete sets of gas samples have been collected at the site on the following dates: 4/4/97, 5/8/97, 7/22/97, 8/26/97, 10/23/97, 12/15/97, 1/21/98, and 2/19/98. The analysis of the 4/4/97 samples from Well A was out of control due to problems with sample dilution. The analysis of the 5/8/97 samples has been questioned because of a contaminated blank. Results from 7/22/97 are being scrutinized, because, unlike all other data sets, they do not agree quantitatively with concentrations in pore-water samples, as compared using Henry's Law. Therefore, only gas results from 8/97 on will be considered in this report.

TCE, cis-1,2-DCE, and Freon 123a have been identified as the major contaminants in the system (LBNL, 1997b). Freon 123a has only recently been positively identified, because of its more exotic nature. Because the error arising from the reprocessing of previous data to arrive at Freon 123a concentrations is substantial, only data from 12/15/97, 1/21/98, and 2/19/98 are presented.

Time-trends in TCE concentrations in the gas phase are shown in Figs. 2 and 3 for Wells A and B, respectively. Although the overall vertical distribution in TCE has not changed, with one large peak near the surface, and another area of elevated concentrations between 75 and 110 ft, there has been a very large increase in TCE concentrations in the top 18 ft, especially in Well A, where the concentrations at 11 ft have increased from about 4,000 ppbv to around 30,000 ppbv. The patterns in both Well A and B suggest that TCE is moving downward in the upper part of the profile. There have been no significant changes observed below the depth of 25 ft, implying the confinement of this vertical displacement, likely caused by infiltrating rainwater, to a fairly shallow zone.

Time-trends in cis-1,2-DCE concentrations are shown in Figs. 4 and 5, for Wells A and B, respectively. A large increase was observed at 6 and 11 ft in both wells on 10/23/97, with concentrations at the 6 ft depth reaching around 50,000 ppbv. This increase was reversed in Well A in subsequent months, though concentrations in the two near-surface intervals remained high, at around 20,000 to 30,000 ppbv. There was also an apparent increase in cis-1,2-DCE concentration at 112 ft, the first observed instance above 100 ppbv. The validity of this result needs to be further assessed. In Well B, cis-1,2-DCE concentrations continued to increase at 11 ft and 18 ft, but did decrease at 6 ft, relative to those on 10/23/97. Although the trends in cis-1,2-DCE were more complex than those in TCE, they too indicated net downward movement in the sediment profile.

Freon 123a distributions are shown in Figs. 6 and 7, for Wells A and B, respectively. The general depth trends confirm those presented in earlier reports, which were based on the assumption that the compound was Freon 113 (LBNL, 1997a). There is a large peak of Freon 123a at 105 ft in Well A and at 109 ft in Well B, both around 2,000 to 3,000 ppbv. The rapid decrease in Freon 123a at shallower depths, with no Freon 123a detected above 91 ft, suggests that its source is the groundwater and its presence in the vadose zone is a result of either capillary rise, groundwater drop, or gaseous diffusion. At the present time there are not enough data points to define a time trend. Furthermore, because of the very steep concentration gradient, small movements in the soil gas phase, possibly even due to pumping, could result in significant differences in measured concentrations. This is especially likely close to the water table, where air permeability of the formation is lower due to higher water saturation of the pores.

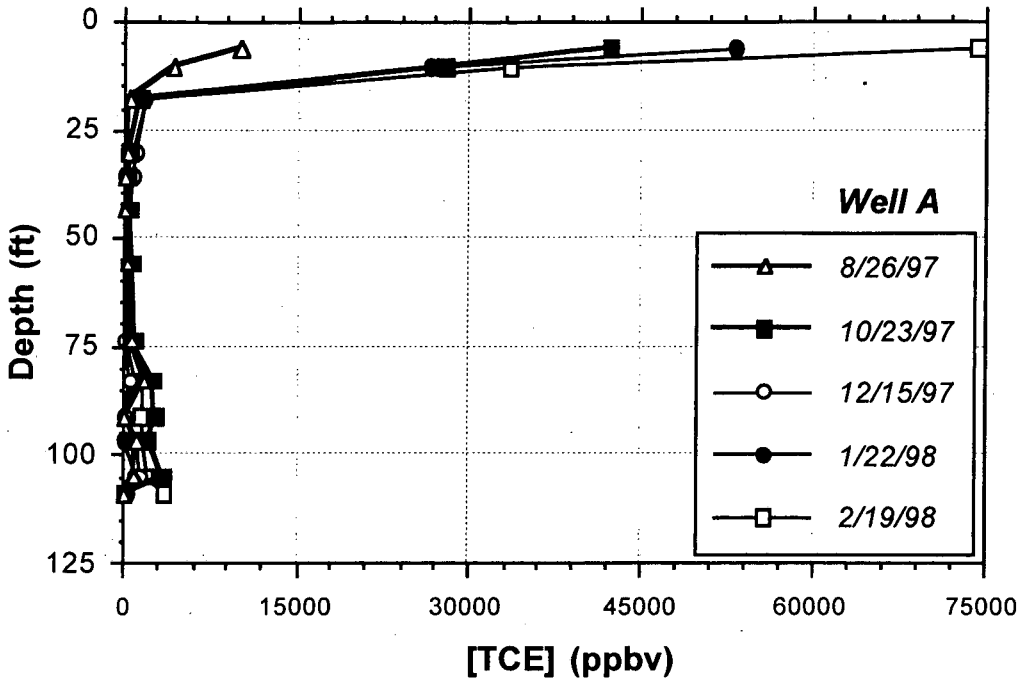

Figure 2. TCE concentrations in the gas-phase, as measured in Well A on 8/26/97, 10/23/97, 12/15/97, 1/22/98, and 2/19/98.

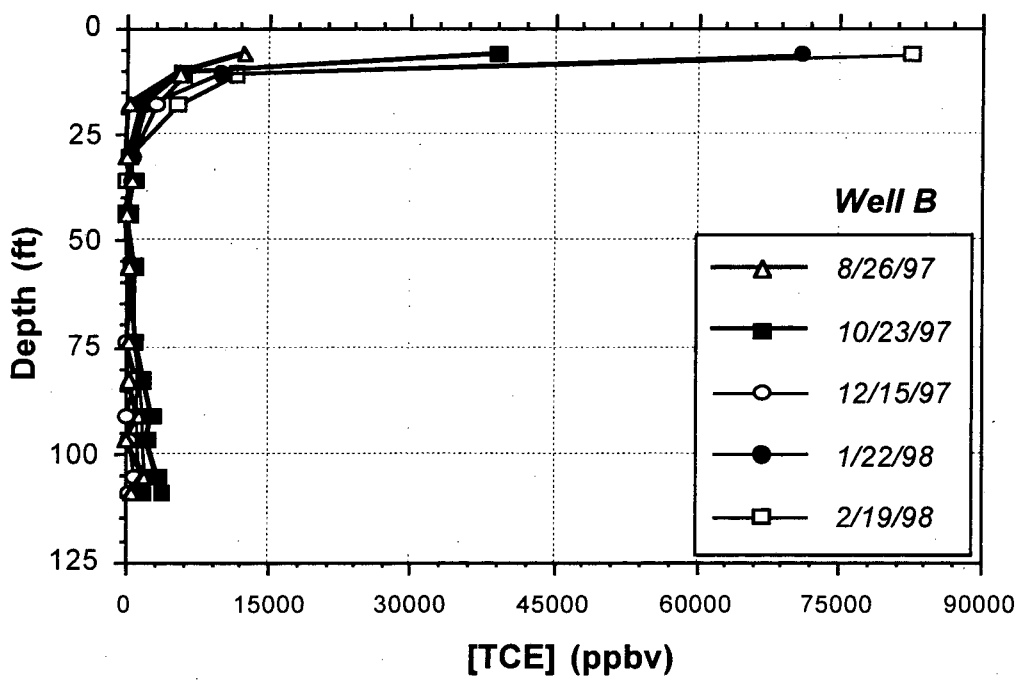

Figure 3. TCE concentrations in the gas-phase, as measured in Well B on 8/26/97, 10/23/97, 12/15/97, 1/22/98, and 2/19/98.

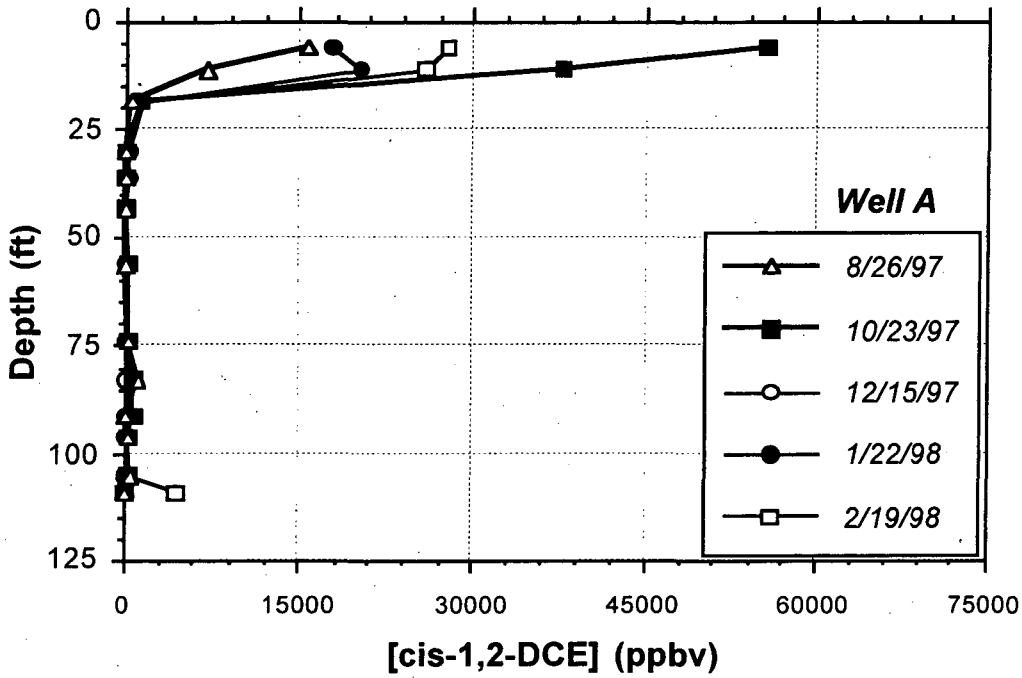

Figure 4. cis-1,2-DCE concentrations in the gas-phase, as measured in Well A on 8/26/97, 10/23/97, 12/15/97, 1/22/98, and 2/19/98.

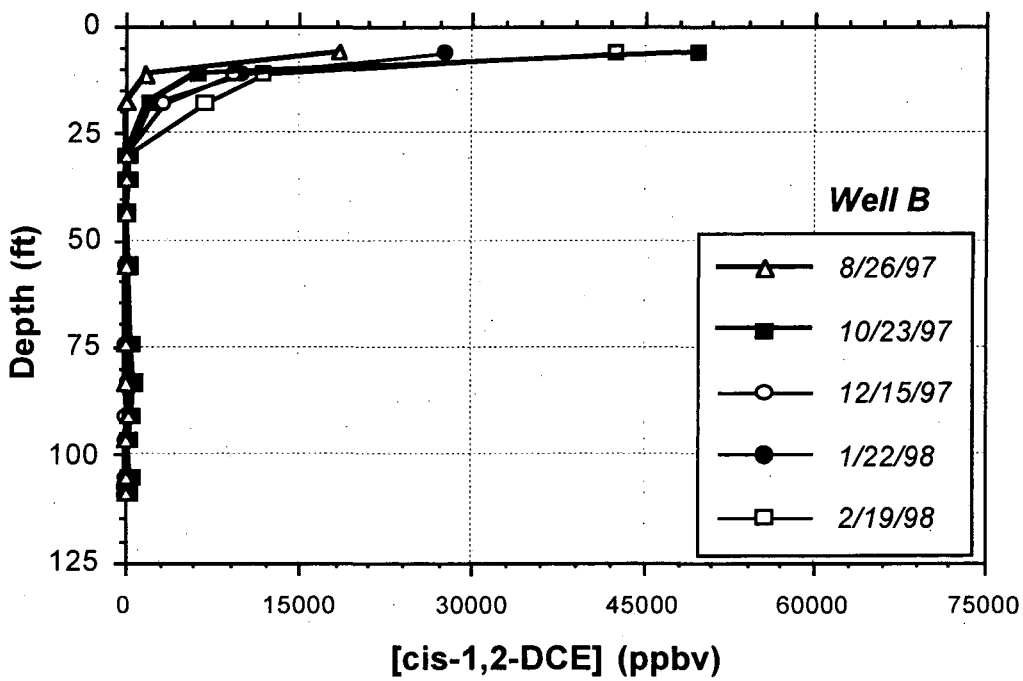

Figure 5. cis-1,2-DCE concentrations in the gas-phase, as measured in Well B on 8/26/97, 10/23/97, 12/15/97, 1/22/98, and 2/19/98.

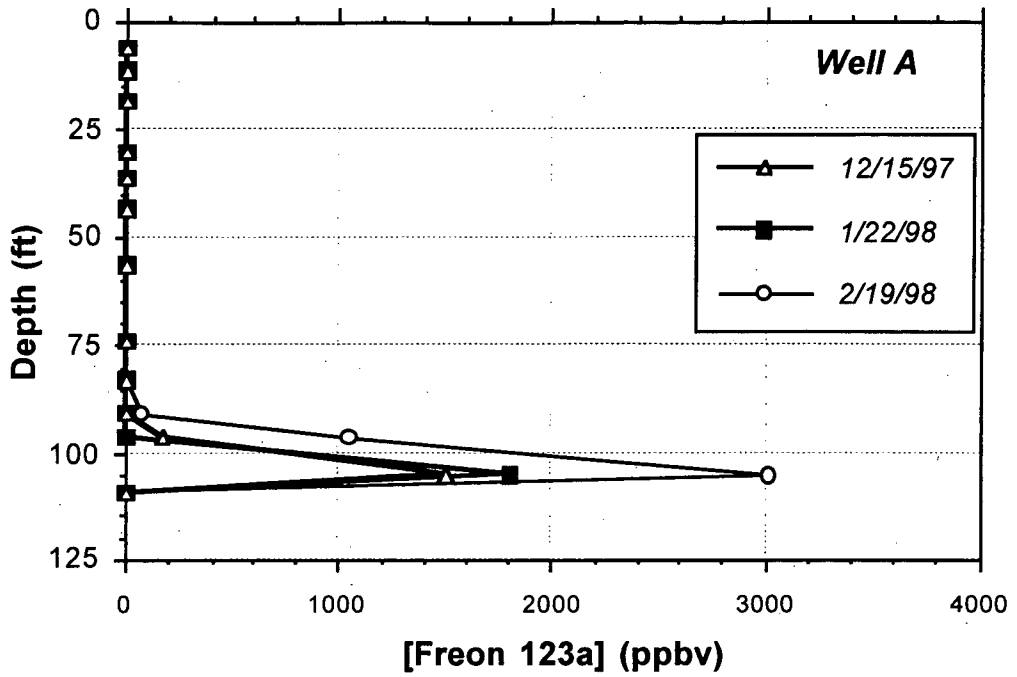

Figure 6. Freon 123a concentrations in the gas-phase, as measured in Well A on 12/15/97, 1/22/98, and 2/19/98.

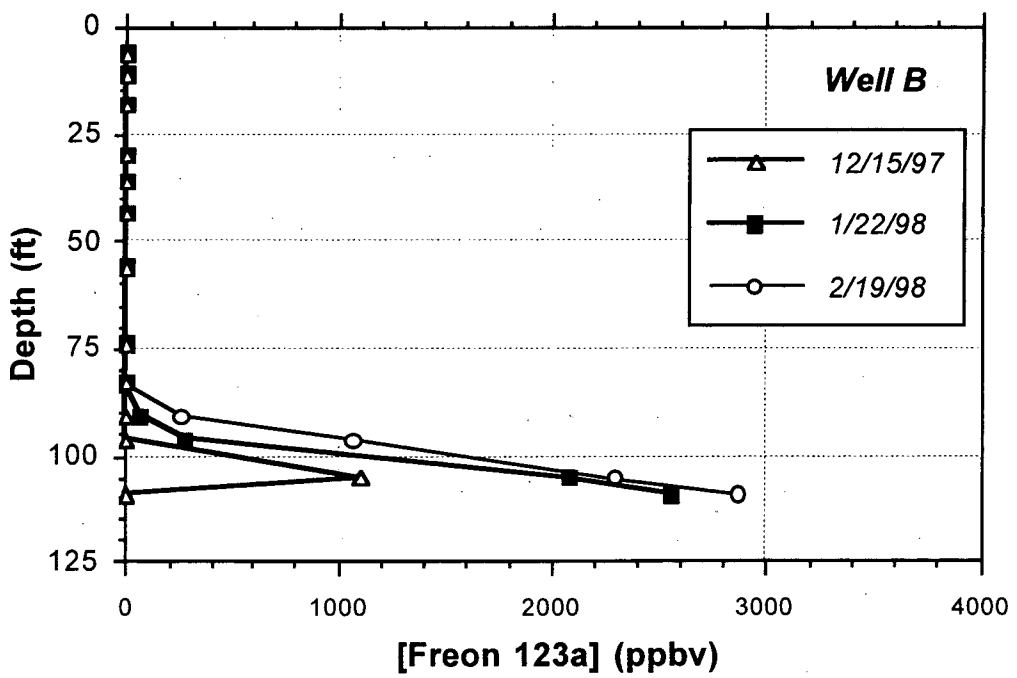

Figure 7. Freon 123a concentrations in the gas-phase, as measured in Well B on 12/15/97, 1/22/98, and 2/19/98.

2.4 Liquid-Phase VOC Concentrations

Liquid-phase VOCs are sampled using two-chamber suction lysimeters designed for use at depths greater than 7-8 m. One 1/4-in and one 1/8-in tube connect the lysimeter to the surface. A miniature check valve separates the lower chamber from the upper chamber. A 0.5 μm porous stainless steel cylinder permits the collection of the sample which is drawn by vacuum through the check valve into the upper chamber. To withdraw a water sample from the soils into the suction lysimeter, a vacuum is applied to the tube connected to the top of the upper chamber. In order to bring the water sample to the surface, dry, purified gas, either N_2 or Ar, is used to pressurize the upper chamber, forcing the water sample up through the second tube that connects the bottom of the upper chamber to ground surface. The check valve closes, preventing liquid from being forced back into the lower chamber. During the last quarter, lysimeter samples were extracted on 12/15/97, 1/21/98, and 2/19/98. Some of these samples were removed as part of the instrument testing process and were not analyzed. Due to the relative dryness of the formation, extracting water continues to be difficult. Generally, small, less than 20 mL samples, are collected over a period of a week. In many cases, samples are no greater than 5 mL. Therefore, 4- and 6-mL vials have been used to collect the samples in order to prevent or minimize headspace. Unfortunately, some samples are smaller than 4 mL and a headspace cannot be prevented. In the future, any headspace will be filled in the field with a known volume of distilled water.

Although several compounds have been found to occur in the aqueous phase (LBNL, 1997a), TCE, cis-1,2-DCE, and Freon 123a are by far the dominant contaminants and only their distributions are presented in this report. Unlike in the gas phase, the recalculation of Freon 123a levels in older sample sets was possible in the liquid phase. Therefore, both new results and newly calculated results are shown. Temporal changes in TCE concentrations in Well A and Well B are shown in Figs. 8 and 9, respectively, while cis-1,2-DCE values are shown in Figs. 10 and 11. These data exhibit trends similar to those seen in the gas phase. Specifically, there are two peaks of TCE, one near the surface and one at the water table, but only one peak in cis-1,2-DCE, near the surface. The first significant increase in TCE and cis-1,2-DCE was observed on 2/19/98, the increases occurring in the top 30 ft, and being more pronounced in Well A, where downward movement of both contaminants is apparent. This agrees qualitatively with gas-phase data, though the pattern is not as clear. Furthermore, increases observed in the liquid phase at 30 ft do not correlate with the rather small changes observed at that depth in the gas phase.

Freon 123a concentrations are shown in Table 1. Freon 123a was only detected in pore water at a depth of 112 ft in Well A and 109 ft in Well B. Sample was not always available from the next shallowest depth, 105 ft in each well, but it never contained Freon 123a above the quantification limit of 5 ppb. Freon 123a concentrations appear to be fairly stable in both wells, with a range of 50 to 100 ppb.

Table 1. Freon 123a concentrations in pore water samples collected from specified depths.

Date	Freon 123a at 112 ft, Well A (ppb)	Freon 123a at 109 ft, Well B (ppb)
5/7/97	51	80
7/22/97	76	51
10/23/97	101	65
1/21/98	75	58
2/19/98	91	65

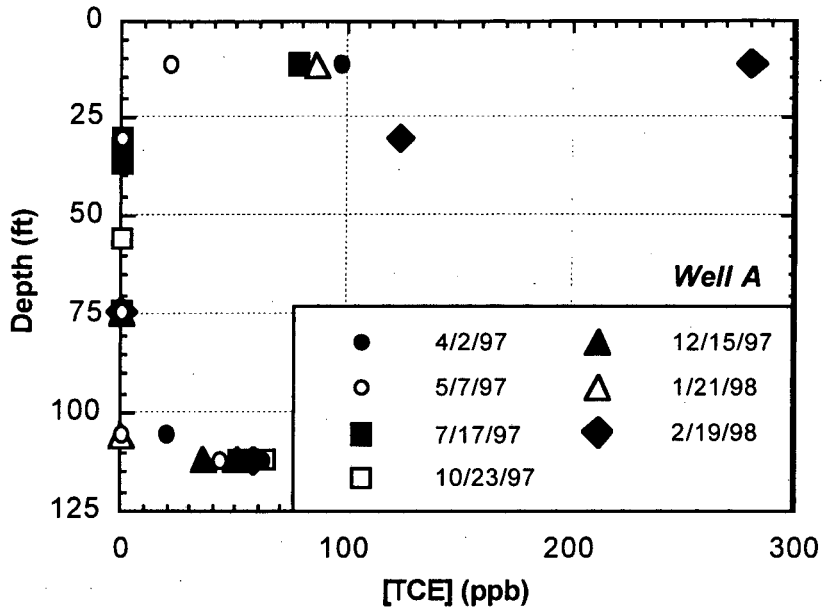

Figure 8. Depth-distribution of dissolved TCE in Well A as measured on 4/2/97, 5/7/97, 7/17/97, 10/23/97, 12/15/97, 1/21/98, and 2/19/98.

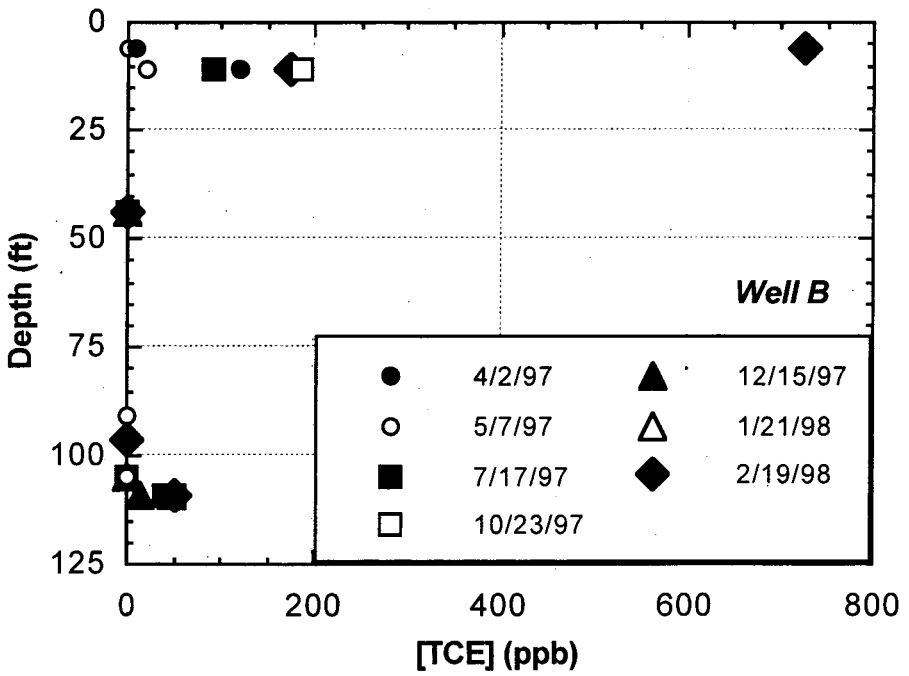

Figure 9. Depth-distribution of dissolved TCE in Well B as measured on 4/2/97, 5/7/97, 7/17/97, 10/23/97, 12/15/97, 1/21/98, and 2/19/98.

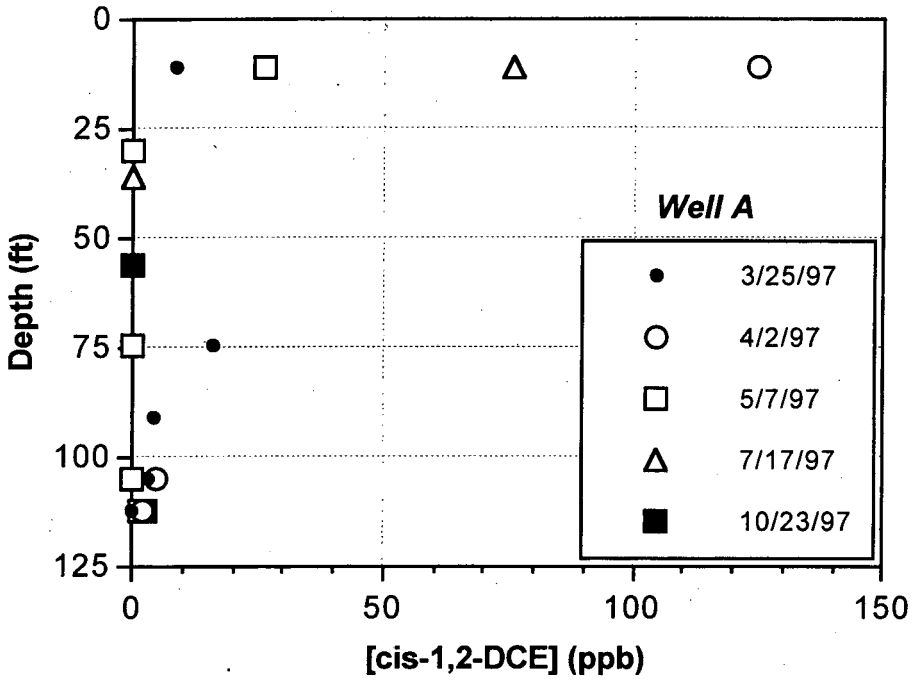

Figure 10. Depth-distribution of dissolved cis-1,2-DCE in Well A as measured on 4/2/97, 5/7/97, 7/17/97, 10/23/97, 12/15/97, 1/21/98, and 2/19/98.

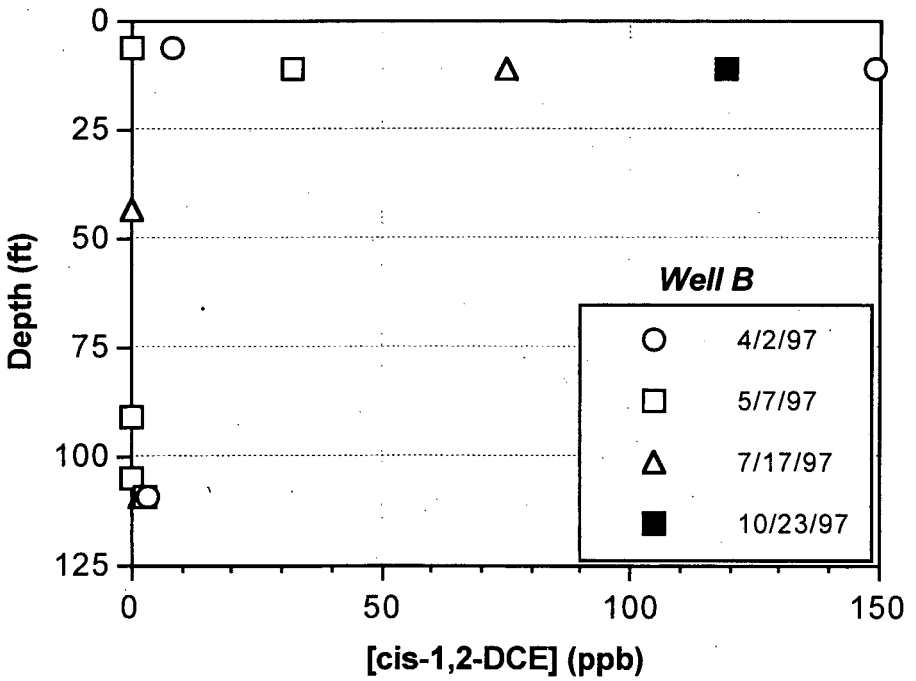

Figure 11. Depth-distribution of dissolved cis-1,2-DCE in Well B as measured on 4/2/97, 5/7/97, 7/17/97, 10/23/97, 12/15/97, 1/21/98, and 2/19/98.

In addition, water which enters the vaults from the gravel fill underneath the pavement, and is automatically pumped out using sump pumps, was sampled on 12/15/97, 1/21/98, and 2/19/98. The results of the analyses of this water are shown in Table 2. TCE and cis-1,2-DCE were the only compounds detected in these samples, with TCE concentrations being approximately 5 times higher than cis-1,2-DCE. These trends agree with those observed in the shallowest lysimeter samples, with concentrations being only slightly lower in the vault than in the pore-water. This suggests that the near-surface, 1- to 2-ft thick, gravel layer is contaminated, as the sump water could not have moved upward from a deeper level, rather it likely entered the subsurface via cracks in the concrete, or surrounding unpaved areas. Water flows into the vaults only during and immediately after periods of rainfall.

Table 2. TCE and cis-1,2-DCE concentrations in sump water.

Date	TCE, vault A (ppb)	TCE, vault B (ppb)	cis-1,2-DCE, vault A (ppb)	cis-1,2-DCE, vault B (ppb)
12/15/97	158	101	33	20
1/21/98	17	136	2	22
2/19/98	143	131	25	26

2.5 Temperature Distribution

Formation temperature is being measured using in-situ thermistors. The data are collected electronically in real time and the measured resistance is converted to temperature in °C using calibrations generated in the laboratory prior to installation. Most of the observed fluctuations in formation temperature occur in the top 30 ft. Mean daily temperature measured on selected days at 6-, 11-, 18-, and 30-ft depths in Well A is shown in Fig. 12, beginning in March 1997 through February 1998, providing a nearly complete annual cycle. Temperature fluctuations are dampened rapidly with depth; temperature at 6 ft varies from around 14°C in March to as high as 27°C in August, while temperature at 18 ft varies by only ±1.5°C from a mean of 21.5°C, and at 30 ft net changes are on the order of a fraction of a degree. This graph also illustrates a time lag in the temperature cycle at each depth, with peak temperatures at 6 ft and at 18 ft occurring in August and December, respectively. Such lags, and those at shallower depths which cannot be documented, result in reversals of the temperature gradient, which could contribute to the movement of VOCs in the top 20 ft of the profile. Diurnal temperature effects were not observed at any depth.

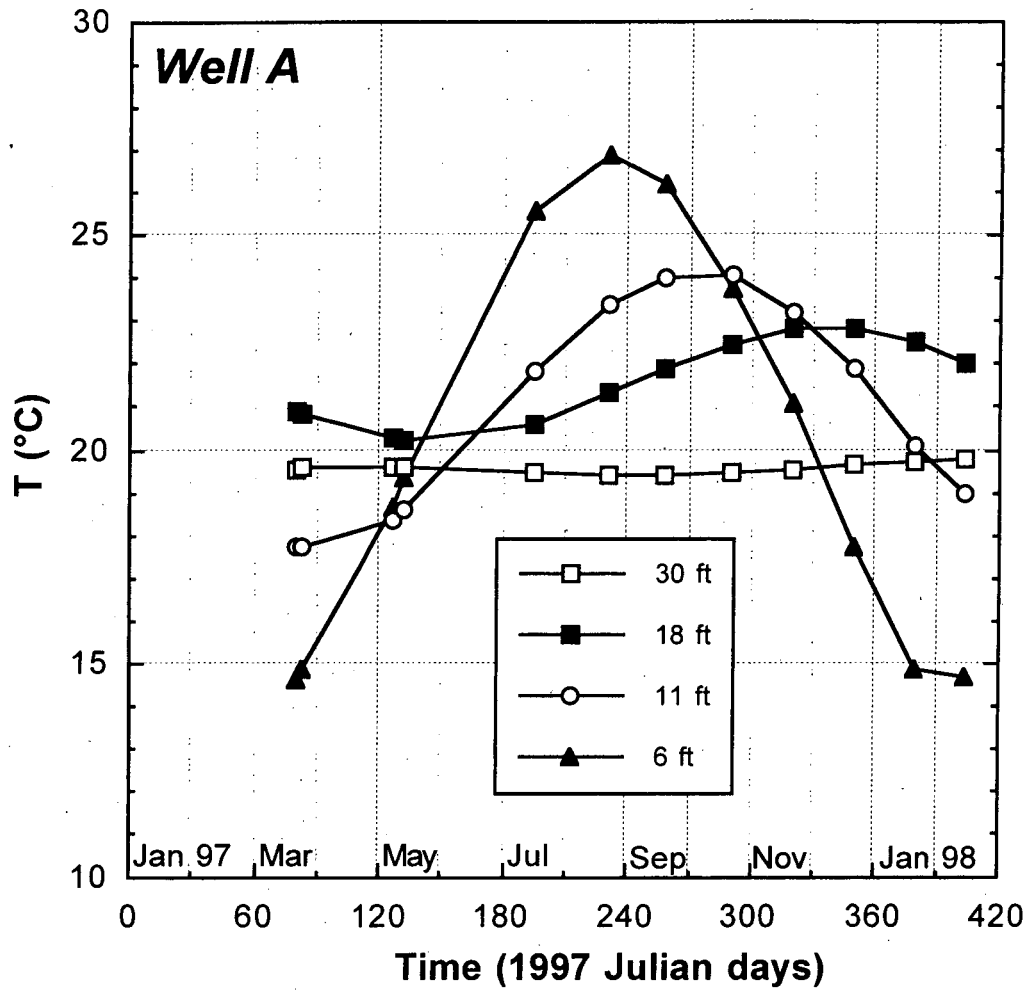

Figure 12. Temperature measured over a period of 11 months, from 3/97 to 2/98, at the 4 shallowest depths in Well A.

2.6 Gas-Phase Pressure Distribution

Gas-phase pressure is being measured using the same probes as used for gas sampling. These are allowed to equilibrate with the subsurface environment and the pressure is measured using dedicated pressure transducers. Gas-phase pressures for the period from August 1997 through February 1998 are shown in Figs. 13 and 14 for Well A and B, respectively. Overall, gas-phase pressures are very close to atmospheric pressure, but display a slight lag and dampening relative to diurnal atmospheric pressure fluctuations. Gas-phase pressure measured at the depth of 112 ft (SG-A-1) in Well A deviates from the common trend, though remains within 10 cm of water head of atmospheric pressure. This can be explained by the fact that this sampler is very near the water table and likely in the capillary fringe, which would impair pressure communication via the gas-phase. Gas-phase pressures at a depth of 109 ft (SG-B-1) also deviate from atmospheric, especially from mid-October to mid-November, when pressure there increases to approximately 15 cm above atmospheric. The explanation for this trend is not apparent.

Figure 13. Gas-phase pressures (absolute) at levels 1, 3, 5, 7, 9, 11, and 13 in Well A and atmospheric pressure (ATM), expressed in terms of an equivalent water column.

Figure 14. Gas-phase pressures (absolute) at levels 3, 5, 7, 9, 11, and 13 in Well B and atmospheric pressure (ATM), expressed in terms of an equivalent water column.

3.0 SUMMARY

Data collected over the last quarter have confirmed that VOCs were moving vertically downward in both the gas and liquid phase, though over fairly limited vertical extent, with no changes observed below a depth of 30 ft. Freon 123a contamination of the vadose zone within 25 ft of the groundwater table has been confirmed in samples from December 1997, January 1998, and February 1998. Its absence above the depth of 90 ft indicates that the groundwater is the source of Freon 123a at this site, and that Freon 123a first arrived at S-7 when the groundwater table was at approximately 90 ft. TCE and cis-1,2-DCE found in sump water pumped out of the vaults indicates that the near-surface 1-2 ft layer of gravely subgrade fill is contaminated.

Small but consistent increases in moisture content were observed at 3 and 5 ft, though the overall moisture content of the profile did not change. Time-lags on the order of months have been observed in formation temperatures at different depths and resultant reversals in the temperature gradient could contribute to gas-phase VOC movement. Gas-phase pressures generally follow atmospheric pressure, though their response to diurnal fluctuations is dampened. Liquid-phase pressures (matric potentials) appear to be beyond the range of the tensiometers in most parts of the profile.

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APPENDIX - ANALYTICAL REPORTS

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A1	Laboratory ID:	OW9712113
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/17/97	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	1.9	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9712113

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	35.8	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101.6	**86-115**
1,2-Dichloroethane-d4	110.6	**86-118**
Toluene-d8	100.1	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 12/20/97
Reviewer: Date: 12/20/97

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B1	Laboratory ID:	OW9712111
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/17/97	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	LT	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9712111

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	13.8	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102.0	**86-115**
1,2-Dichloroethane-d4	103.0	**86-118**
Toluene-d8	99.3	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 12/20/97
Reviewer: Date: 12/20/97

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B8	Laboratory ID:	OW9712112
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/17/97	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	10.0
2	Bromobenzene	108-86-1	LT	10.0
3	Bromochloromethane	74-97-5	LT	20.0
4	Bromodichloromethane	75-27-4	LT	10.0
5	Bromoform	75-25-2	LT	20.0
6	Bromomethane	74-83-9	LT	40.0
7	n-Butylbenzene	104-51-8	LT	10.0
8	sec-Butylbenzene	135-98-8	LT	10.0
9	ter-Butylbenzene	98-06-6	LT	10.0
10	Carbon Tetrachloride	56-23-5	LT	10.0
11	Chlorobenzene	108-90-7	LT	10.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	300.0
13	Chloroethane	75-00-3	LT	300.0
14	Chloroform	67-66-3	LT	10.0
15	Chloromethane	74-87-3	LT	10.0
16	2-Chlorotoluene	95-49-8	LT	20.0
17	4-Chlorotoluene	106-43-4	LT	20.0
18	Dibromochloromethane	124-48-1	LT	20.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	20.0
20	1,2-Dibromoethane	106-93-4	LT	20.0
21	Dibromomethane	74-95-3	LT	10.0
22	1,2-Dichlorobenzene	95-50-1	LT	10.0
23	1,3-Dichlorobenzene	541-73-1	LT	10.0
24	1,4-Dichlorobenzene	106-46-7	LT	10.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	30.0
26	1,1-Dichloroethane	75-34-3	LT	10.0
27	1,2-Dichloroethane	107-06-2	LT	20.0
28	1,1-Dichloroethene	75-35-4	LT	10.0
29	cis-1,2-Dichloroethene	156-69-9	LT	10.0
30	trans-1,2-Dichloroethene	156-60-5	LT	10.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	30.0
32	1,2-Dichloropropane	78-87-5	LT	10.0
33	1,3-Dichloropropane	142-28-9	LT	10.0
34	2,2-Dichloropropane	594-20-7	LT	10.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9712112

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	10.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	10.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	10.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	30.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	10.0
40	Ethylbenzene	100-41-4	LT	10.0
41	Hexachlorobutadien	87-68-3	LT	30.0
42	Isopropylbenzene	98-82-8	LT	20.0
43	p-Isopropyltoluene	99-87-6	LT	10.0
44	Methylene Chloride	75-09-2	LT	10.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	50.0
46	Naphthalene	91-20-3	LT	20.0
47	n-Propylbenzene	103-65-1	LT	10.0
48	Styrene	100-42-5	LT	10.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	10.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	20.0
51	Tetrachloroethene	127-18-4	LT	40.0
52	Toluene	108-88-3	LT	10.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	20.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	10.0
55	1,1,1-Trichloroethane	71-55-6	LT	10.0
56	1,1,2-Trichloroethane	79-00-5	LT	10.0
57	Trichloroethene	79-01-6	LT	10.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	20.0
59	1,2,3-Trichloropropane	96-18-4	LT	10.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	10.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	10.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	10.0
63	Vinyl Chloride	75-01-4	LT	10.0
64	Total-Xylene	1330-20-7	LT	20.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	106.1	**86-115**
1,2-Dichloroethane-d4	109.5	**86-118**
Toluene-d8	98.3	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 12/20/97
Reviewer: [illegible] Date: 12/20/97

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A Sump	Laboratory ID:	OW9712114
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/17/97	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	33.3	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9712114

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	158	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101.2	**86-115**
1,2-Dichloroethane-d4	108.2	**86-118**
Toluene-d8	99.4	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 12/20/97
Reviewer: [illegible] Date: 12/20/97

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B Sump	Laboratory ID:	OW9712115
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/17/97	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	19.5	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9712115

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	101	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103.7	**86-115**
1,2-Dichloroethane-d4	100.8	**86-118**
Toluene-d8	101.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 12/20/97
Reviewer: Date: 12/20/97

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B1	Laboratory ID:	OW980121
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	2.3	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980121

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	306-83-2	58.0	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	47.7	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.4	**86-115**
1,2-Dichloroethane-d4	93.5	**86-118**
Toluene-d8	100.4	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dalhurst Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B3	Laboratory ID:	OW980122
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	LT	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980122

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Ethylbenzene	100-41-4	LT	5.0
41	Hexachlorobutadien	87-68-3	LT	15.0
42	Isopropylbenzene	98-82-8	LT	10.0
43	p-Isopropyltoluene	99-87-6	LT	5.0
44	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	LT	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103.6	**86-115**
1,2-Dichloroethane-d4	89.1	**86-118**
Toluene-d8	100.3	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B8	Laboratory ID:	OW980123
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/22/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	10.0
2	Bromobenzene	108-86-1	LT	10.0
3	Bromochloromethane	74-97-5	LT	20.0
4	Bromodichloromethane	75-27-4	LT	10.0
5	Bromoform	75-25-2	LT	20.0
6	Bromomethane	74-83-9	LT	40.0
7	n-Butylbenzene	104-51-8	LT	10.0
8	sec-Butylbenzene	135-98-8	LT	10.0
9	ter-Butylbenzene	98-06-6	LT	10.0
10	Carbon Tetrachloride	56-23-5	LT	10.0
11	Chlorobenzene	108-90-7	LT	10.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	300.0
13	Chloroethane	75-00-3	LT	300.0
14	Chloroform	67-66-3	LT	10.0
15	Chloromethane	74-87-3	LT	10.0
16	2-Chlorotoluene	95-49-8	LT	20.0
17	4-Chlorotoluene	106-43-4	LT	20.0
18	Dibromochloromethane	124-48-1	LT	20.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	20.0
20	1,2-Dibromoethane	106-93-4	LT	20.0
21	Dibromomethane	74-95-3	LT	10.0
22	1,2-Dichlorobenzene	95-50-1	LT	10.0
23	1,3-Dichlorobenzene	541-73-1	LT	10.0
24	1,4-Dichlorobenzene	106-46-7	LT	10.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	30.0
26	1,1-Dichloroethane	75-34-3	LT	10.0
27	1,2-Dichloroethane	107-06-2	LT	20.0
28	1,1-Dichloroethene	75-35-4	LT	10.0
29	cis-1,2-Dichloroethene	156-69-9	LT	10.0
30	trans-1,2-Dichloroethene	156-60-5	LT	10.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	30.0
32	1,2-Dichloropropane	78-87-5	LT	10.0
33	1,3-Dichloropropane	142-28-9	LT	10.0
34	2,2-Dichloropropane	594-20-7	LT	10.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980123

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	10.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	10.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	10.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	30.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	10.0
40	Ethylbenzene	100-41-4	LT	10.0
41	Hexachlorobutadien	87-68-3	LT	30.0
42	Isopropylbenzene	98-82-8	LT	20.0
43	p-Isopropyltoluene	99-87-6	LT	10.0
44	Methylene Chloride	75-09-2	LT	10.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	50.0
46	Naphthalene	91-20-3	LT	20.0
47	n-Propylbenzene	103-65-1	LT	10.0
48	Styrene	100-42-5	LT	10.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	10.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	20.0
51	Tetrachloroethene	127-18-4	LT	10.0
52	Toluene	108-88-3	LT	10.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	20.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	10.0
55	1,1,1-Trichloroethane	71-55-6	LT	10.0
56	1,1,2-Trichloroethane	79-00-5	LT	10.0
57	Trichloroethene	79-01-6	LT	10.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	20.0
59	1,2,3-Trichloropropane	96-18-4	LT	10.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	10.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	10.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	10.0
63	Vinyl Chloride	75-01-4	LT	10.0
64	Total-Xylene	1330-20-7	LT	20.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.0	**86-115**
1,2-Dichloroethane-d4	103.5	**86-118**
Toluene-d8	98.9	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B12	Laboratory ID:	OW980124
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/22/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	10.0
2	Bromobenzene	108-86-1	LT	10.0
3	Bromochloromethane	74-97-5	LT	20.0
4	Bromodichloromethane	75-27-4	LT	10.0
5	Bromoform	75-25-2	LT	20.0
6	Bromomethane	74-83-9	LT	40.0
7	n-Butylbenzene	104-51-8	LT	10.0
8	sec-Butylbenzene	135-98-8	LT	10.0
9	ter-Butylbenzene	98-06-6	LT	10.0
10	Carbon Tetrachloride	56-23-5	LT	10.0
11	Chlorobenzene	108-90-7	LT	10.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	300.0
13	Chloroethane	75-00-3	LT	300.0
14	Chloroform	67-66-3	LT	10.0
15	Chloromethane	74-87-3	LT	10.0
16	2-Chlorotoluene	95-49-8	LT	20.0
17	4-Chlorotoluene	106-43-4	LT	20.0
18	Dibromochloromethane	124-48-1	LT	20.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	20.0
20	1,2-Dibromoethane	106-93-4	LT	20.0
21	Dibromomethane	74-95-3	LT	10.0
22	1,2-Dichlorobenzene	95-50-1	LT	10.0
23	1,3-Dichlorobenzene	541-73-1	LT	10.0
24	1,4-Dichlorobenzene	106-46-7	LT	10.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	30.0
26	1,1-Dichloroethane	75-34-3	LT	10.0
27	1,2-Dichloroethane	107-06-2	LT	20.0
28	1,1-Dichloroethene	75-35-4	LT	10.0
29	cis-1,2-Dichloroethene	156-69-9	LT	10.0
30	trans-1,2-Dichloroethene	156-60-5	LT	10.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	30.0
32	1,2-Dichloropropane	78-87-5	LT	10.0
33	1,3-Dichloropropane	142-28-9	LT	10.0
34	2,2-Dichloropropane	594-20-7	LT	10.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980124

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	10.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	10.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	10.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	30.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	10.0
40	Ethylbenzene	100-41-4	LT	10.0
41	Hexachlorobutadien	87-68-3	LT	30.0
42	Isopropylbenzene	98-82-8	LT	20.0
43	p-Isopropyltoluene	99-87-6	LT	10.0
44	Methylene Chloride	75-09-2	LT	10.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	50.0
46	Naphthalene	91-20-3	LT	20.0
47	n-Propylbenzene	103-65-1	LT	10.0
48	Styrene	100-42-5	LT	10.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	10.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	20.0
51	Tetrachloroethene	127-18-4	LT	10.0
52	Toluene	108-88-3	LT	10.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	20.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	10.0
55	1,1,1-Trichloroethane	71-55-6	LT	10.0
56	1,1,2-Trichloroethane	79-00-5	LT	10.0
57	Trichloroethene	79-01-6	LT	10.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	20.0
59	1,2,3-Trichloropropane	96-18-4	LT	10.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	10.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	10.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	10.0
63	Vinyl Chloride	75-01-4	LT	10.0
64	Total-Xylene	1330-20-7	LT	20.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	105.3	**86-115**
1,2-Dichloroethane-d4	102.5	**86-118**
Toluene-d8	100.3	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B13	Laboratory ID:	OW980125
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/22/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	10.0
2	Bromobenzene	108-86-1	LT	10.0
3	Bromochloromethane	74-97-5	LT	20.0
4	Bromodichloromethane	75-27-4	LT	10.0
5	Bromoform	75-25-2	LT	20.0
6	Bromomethane	74-83-9	LT	40.0
7	n-Butylbenzene	104-51-8	LT	10.0
8	sec-Butylbenzene	135-98-8	LT	10.0
9	ter-Butylbenzene	98-06-6	LT	10.0
10	Carbon Tetrachloride	56-23-5	LT	10.0
11	Chlorobenzene	108-90-7	LT	10.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	300.0
13	Chloroethane	75-00-3	LT	300.0
14	Chloroform	67-66-3	LT	10.0
15	Chloromethane	74-87-3	LT	10.0
16	2-Chlorotoluene	95-49-8	LT	20.0
17	4-Chlorotoluene	106-43-4	LT	20.0
18	Dibromochloromethane	124-48-1	LT	20.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	20.0
20	1,2-Dibromoethane	106-93-4	LT	20.0
21	Dibromomethane	74-95-3	LT	10.0
22	1,2-Dichlorobenzene	95-50-1	LT	10.0
23	1,3-Dichlorobenzene	541-73-1	LT	10.0
24	1,4-Dichlorobenzene	106-46-7	LT	10.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	30.0
26	1,1-Dichloroethane	75-34-3	LT	10.0
27	1,2-Dichloroethane	107-06-2	LT	20.0
28	1,1-Dichloroethene	75-35-4	LT	10.0
29	cis-1,2-Dichloroethene	156-69-9	12.0	10.0
30	trans-1,2-Dichloroethene	156-60-5	LT	10.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	30.0
32	1,2-Dichloropropane	78-87-5	LT	10.0
33	1,3-Dichloropropane	142-28-9	LT	10.0
34	2,2-Dichloropropane	594-20-7	LT	10.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980125

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	10.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	10.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	10.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	30.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	10.0
40	Ethylbenzene	100-41-4	LT	10.0
41	Hexachlorobutadien	87-68-3	LT	30.0
42	Isopropylbenzene	98-82-8	LT	20.0
43	p-Isopropyltoluene	99-87-6	LT	10.0
44	Methylene Chloride	75-09-2	LT	10.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	50.0
46	Naphthalene	91-20-3	LT	20.0
47	n-Propylbenzene	103-65-1	LT	10.0
48	Styrene	100-42-5	LT	10.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	10.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	20.0
51	Tetrachloroethene	127-18-4	LT	10.0
52	Toluene	108-88-3	LT	10.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	20.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	10.0
55	1,1,1-Trichloroethane	71-55-6	LT	10.0
56	1,1,2-Trichloroethane	79-00-5	LT	10.0
57	Trichloroethene	79-01-6	10.6	10.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	20.0
59	1,2,3-Trichloropropane	96-18-4	LT	10.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	10.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	10.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	10.0
63	Vinyl Chloride	75-01-4	LT	10.0
64	Total-Xylene	1330-20-7	LT	20.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	105.4	**86-115**
1,2-Dichloroethane-d4	105.0	**86-118**
Toluene-d8	98.4	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.G. Langford Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A1	Laboratory ID:	OW980126
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	2.5	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980126

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	306-83-2	75.0	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	50.9	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	105.3	**86-115**
1,2-Dichloroethane-d4	96.6	**86-118**
Toluene-d8	100.2	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A2	Laboratory ID:	OW980127
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	10.0
2	Bromobenzene	108-86-1	LT	10.0
3	Bromochloromethane	74-97-5	LT	20.0
4	Bromodichloromethane	75-27-4	LT	10.0
5	Bromoform	75-25-2	LT	20.0
6	Bromomethane	74-83-9	LT	40.0
7	n-Butylbenzene	104-51-8	LT	10.0
8	sec-Butylbenzene	135-98-8	LT	10.0
9	ter-Butylbenzene	98-06-6	LT	10.0
10	Carbon Tetrachloride	56-23-5	LT	10.0
11	Chlorobenzene	108-90-7	LT	10.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	300.0
13	Chloroethane	75-00-3	LT	300.0
14	Chloroform	67-66-3	LT	10.0
15	Chloromethane	74-87-3	LT	10.0
16	2-Chlorotoluene	95-49-8	LT	20.0
17	4-Chlorotoluene	106-43-4	LT	20.0
18	Dibromochloromethane	124-48-1	LT	20.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	20.0
20	1,2-Dibromoethane	106-93-4	LT	20.0
21	Dibromomethane	74-95-3	LT	10.0
22	1,2-Dichlorobenzene	95-50-1	LT	10.0
23	1,3-Dichlorobenzene	541-73-1	LT	10.0
24	1,4-Dichlorobenzene	106-46-7	LT	10.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	30.0
26	1,1-Dichloroethane	75-34-3	LT	10.0
27	1,2-Dichloroethane	107-06-2	LT	20.0
28	1,1-Dichloroethene	75-35-4	LT	10.0
29	cis-1,2-Dichloroethene	156-69-9	LT	10.0
30	trans-1,2-Dichloroethene	156-60-5	LT	10.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	30.0
32	1,2-Dichloropropane	78-87-5	LT	10.0
33	1,3-Dichloropropane	142-28-9	LT	10.0
34	2,2-Dichloropropane	594-20-7	LT	10.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980127

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	10.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	10.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	10.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	30.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	10.0
40	Ethylbenzene	100-41-4	LT	10.0
41	Hexachlorobutadien	87-68-3	LT	30.0
42	Isopropylbenzene	98-82-8	LT	20.0
43	p-Isopropyltoluene	99-87-6	LT	10.0
44	Methylene Chloride	75-09-2	LT	10.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	50.0
46	Naphthalene	91-20-3	LT	20.0
47	n-Propylbenzene	103-65-1	LT	10.0
48	Styrene	100-42-5	LT	10.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	10.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	20.0
51	Tetrachloroethene	127-18-4	LT	10.0
52	Toluene	108-88-3	LT	10.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	20.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	10.0
55	1,1,1-Trichloroethane	71-55-6	LT	10.0
56	1,1,2-Trichloroethane	79-00-5	LT	10.0
57	Trichloroethene	79-01-6	LT	10.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	20.0
59	1,2,3-Trichloropropane	96-18-4	LT	10.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	10.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	10.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	10.0
63	Vinyl Chloride	75-01-4	LT	10.0
64	Total-Xylene	1330-20-7	LT	20.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	107.4	**86-115**
1,2-Dichloroethane-d4	106.4	**86-118**
Toluene-d8	96.8	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A6	Laboratory ID:	OW980128
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	LT	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980128

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Ethylbenzene	100-41-4	LT	5.0
41	Hexachlorobutadien	87-68-3	LT	15.0
42	Isopropylbenzene	98-82-8	LT	10.0
43	p-Isopropyltoluene	99-87-6	LT	5.0
44	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	LT	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.8	**86-115**
1,2-Dichloroethane-d4	99.7	**86-118**
Toluene-d8	100.9	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.G. Lounsford Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A12	Laboratory ID:	OW980129
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	87.7	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980129

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Ethylbenzene	100-41-4	LT	5.0
41	Hexachlorobutadien	87-68-3	LT	15.0
42	Isopropylbenzene	98-82-8	LT	10.0
43	p-Isopropyltoluene	99-87-6	LT	5.0
44	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	86.4	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	107.4	**86-115**
1,2-Dichloroethane-d4	103.5	**86-118**
Toluene-d8	101.5	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump A	Laboratory ID:	OW980130
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	1.8	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980130

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	17.4	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.7	**86-115**
1,2-Dichloroethane-d4	103.0	**86-118**
Toluene-d8	100.2	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: H. Fomsgard Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump B	Laboratory ID:	OW980131
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	22.1	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980131

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	136	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	106.3	**86-115**
1,2-Dichloroethane-d4	109.7	**86-118**
Toluene-d8	101.6	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Ditch East	Laboratory ID:	OW980132
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	1/21/98	Date Received:	1/22/98
Date Analyzed:	1/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	LT	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980132

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Ethylbenzene	100-41-4	LT	1.0
41	Hexachlorobutadien	87-68-3	LT	3.0
42	Isopropylbenzene	98-82-8	LT	2.0
43	p-Isopropyltoluene	99-87-6	LT	1.0
44	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	LT	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.5	**86-115**
1,2-Dichloroethane-d4	107.5	**86-118**
Toluene-d8	101.9	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump B	Laboratory ID:	OW980286
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/12/98	Date Received:	2/20/98
Date Analyzed:	2/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	22.2	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980286

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	121	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99.0	**86-115**
Dibromofluoromethane	106.0	**86-118**
Toluene-d8	100.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump A	Laboratory ID:	OW980287
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/12/98	Date Received:	2/20/98
Date Analyzed:	2/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	20.2	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980287

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	92.0	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101.0	**86-115**
Dibromofluoromethane	104.0	**86-118**
Toluene-d8	97.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : _____ Date: 5/1/98
Reviewer: _____ Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A1	Laboratory ID:	OW980288
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	2.3	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980288

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	90.6	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	58.6	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102.0	**86-115**
Dibromofluoromethane	108.0	**86-118**
Toluene-d8	101.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlmut Date: 5/1/98
Reviewer: H. Rounfield. Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A6	Laboratory ID:	OW980289
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/23/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	LT	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980289

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	5.0
41	Ethylbenzene	100-41-4	LT	5.0
42	Hexachlorobutadien	87-68-3	LT	15.0
43	Isopropylbenzene	98-82-8	LT	10.0
44	p-Isopropyltoluene	99-87-6	LT	5.0
45	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	LT	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99.0	**86-115**
Dibromofluoromethane	99.0	**86-118**
Toluene-d8	102.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A10	Laboratory ID:	OW980290
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	74.0	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980290

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	5.0
41	Ethylbenzene	100-41-4	LT	5.0
42	Hexachlorobutadien	87-68-3	LT	15.0
43	Isopropylbenzene	98-82-8	LT	10.0
44	p-Isopropyltoluene	99-87-6	LT	5.0
45	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	123	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102.0	**86-115**
Dibromofluoromethane	105.0	**86-118**
Toluene-d8	103.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	A12	Laboratory ID:	OW980291
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	2.0
2	Bromobenzene	108-86-1	LT	2.0
3	Bromochloromethane	74-97-5	LT	4.0
4	Bromodichloromethane	75-27-4	LT	2.0
5	Bromoform	75-25-2	LT	4.0
6	Bromomethane	74-83-9	LT	8.0
7	n-Butylbenzene	104-51-8	LT	2.0
8	sec-Butylbenzene	135-98-8	LT	2.0
9	ter-Butylbenzene	98-06-6	LT	2.0
10	Carbon Tetrachloride	56-23-5	LT	2.0
11	Chlorobenzene	108-90-7	LT	2.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	60.0
13	Chloroethane	75-00-3	LT	60.0
14	Chloroform	67-66-3	LT	2.0
15	Chloromethane	74-87-3	LT	2.0
16	2-Chlorotoluene	95-49-8	LT	4.0
17	4-Chlorotoluene	106-43-4	LT	4.0
18	Dibromochloromethane	124-48-1	LT	4.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	4.0
20	1,2-Dibromoethane	106-93-4	LT	4.0
21	Dibromomethane	74-95-3	LT	2.0
22	1,2-Dichlorobenzene	95-50-1	LT	2.0
23	1,3-Dichlorobenzene	541-73-1	LT	2.0
24	1,4-Dichlorobenzene	106-46-7	LT	2.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	6.0
26	1,1-Dichloroethane	75-34-3	LT	2.0
27	1,2-Dichloroethane	107-06-2	6.0	4.0
28	1,1-Dichloroethene	75-35-4	LT	2.0
29	cis-1,2-Dichloroethene	156-69-9	236	2.0
30	trans-1,2-Dichloroethene	156-60-5	LT	2.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	6.0
32	1,2-Dichloropropane	78-87-5	LT	2.0
33	1,3-Dichloropropane	142-28-9	LT	2.0
34	2,2-Dichloropropane	594-20-7	LT	2.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980291

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	2.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	2.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	2.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	6.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	2.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	2.0
41	Ethylbenzene	100-41-4	LT	2.0
42	Hexachlorobutadien	87-68-3	LT	6.0
43	Isopropylbenzene	98-82-8	LT	4.0
44	p-Isopropyltoluene	99-87-6	LT	2.0
45	Methylene Chloride	75-09-2	LT	2.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	10.0
46	Naphthalene	91-20-3	LT	4.0
47	n-Propylbenzene	103-65-1	LT	2.0
48	Styrene	100-42-5	LT	2.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	2.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	4.0
51	Tetrachloroethene	127-18-4	LT	2.0
52	Toluene	108-88-3	LT	2.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	4.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	2.0
55	1,1,1-Trichloroethane	71-55-6	LT	2.0
56	1,1,2-Trichloroethane	79-00-5	LT	2.0
57	Trichloroethene	79-01-6	280	2.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	4.0
59	1,2,3-Trichloropropane	96-18-4	LT	2.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	2.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	2.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	2.0
63	Vinyl Chloride	75-01-4	LT	2.0
64	Total-Xylene	1330-20-7	LT	4.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101.0	**86-115**
Dibromofluoromethane	103.0	**86-118**
Toluene-d8	101.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B13	Laboratory ID:	OW980292
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	104	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980292

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	5.0
41	Ethylbenzene	100-41-4	LT	5.0
42	Hexachlorobutadien	87-68-3	LT	15.0
43	Isopropylbenzene	98-82-8	LT	10.0
44	p-Isopropyltoluene	99-87-6	LT	5.0
45	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	725	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101.0	**86-115**
Dibromofluoromethane	101.0	**86-118**
Toluene-d8	101.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : _____ Date: 5/1/98
Reviewer: _____ Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B1	Laboratory ID:	OW980293
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	2.2	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980293

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	65.1	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	51.4	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	100.0	**86-115**
Dibromofluoromethane	103.0	**86-118**
Toluene-d8	100.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Stomford Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B3	Laboratory ID:	OW980294
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	5.0
2	Bromobenzene	108-86-1	LT	5.0
3	Bromochloromethane	74-97-5	LT	10.0
4	Bromodichloromethane	75-27-4	LT	5.0
5	Bromoform	75-25-2	LT	10.0
6	Bromomethane	74-83-9	LT	20.0
7	n-Butylbenzene	104-51-8	LT	5.0
8	sec-Butylbenzene	135-98-8	LT	5.0
9	ter-Butylbenzene	98-06-6	LT	5.0
10	Carbon Tetrachloride	56-23-5	LT	5.0
11	Chlorobenzene	108-90-7	LT	5.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	150.0
13	Chloroethane	75-00-3	LT	150.0
14	Chloroform	67-66-3	LT	5.0
15	Chloromethane	74-87-3	LT	5.0
16	2-Chlorotoluene	95-49-8	LT	10.0
17	4-Chlorotoluene	106-43-4	LT	10.0
18	Dibromochloromethane	124-48-1	LT	10.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	10.0
20	1,2-Dibromoethane	106-93-4	LT	10.0
21	Dibromomethane	74-95-3	LT	5.0
22	1,2-Dichlorobenzene	95-50-1	LT	5.0
23	1,3-Dichlorobenzene	541-73-1	LT	5.0
24	1,4-Dichlorobenzene	106-46-7	LT	5.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	15.0
26	1,1-Dichloroethane	75-34-3	LT	5.0
27	1,2-Dichloroethane	107-06-2	LT	10.0
28	1,1-Dichloroethene	75-35-4	LT	5.0
29	cis-1,2-Dichloroethene	156-69-9	LT	5.0
30	trans-1,2-Dichloroethene	156-60-5	LT	5.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	15.0
32	1,2-Dichloropropane	78-87-5	LT	5.0
33	1,3-Dichloropropane	142-28-9	LT	5.0
34	2,2-Dichloropropane	594-20-7	LT	5.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980294

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	5.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	5.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	5.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	15.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	5.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	5.0
41	Ethylbenzene	100-41-4	LT	5.0
42	Hexachlorobutadien	87-68-3	LT	15.0
43	Isopropylbenzene	98-82-8	LT	10.0
44	p-Isopropyltoluene	99-87-6	LT	5.0
45	Methylene Chloride	75-09-2	LT	5.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	25.0
46	Naphthalene	91-20-3	LT	10.0
47	n-Propylbenzene	103-65-1	LT	5.0
48	Styrene	100-42-5	LT	5.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	5.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	10.0
51	Tetrachloroethene	127-18-4	LT	5.0
52	Toluene	108-88-3	LT	5.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	10.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	5.0
55	1,1,1-Trichloroethane	71-55-6	LT	5.0
56	1,1,2-Trichloroethane	79-00-5	LT	5.0
57	Trichloroethene	79-01-6	LT	5.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	10.0
59	1,2,3-Trichloropropane	96-18-4	LT	5.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	5.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	5.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	5.0
63	Vinyl Chloride	75-01-4	LT	5.0
64	Total-Xylene	1330-20-7	LT	10.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	100.0	**86-115**
Dibromofluoromethane	104.0	**86-118**
Toluene-d8	99.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B12	Laboratory ID:	OW980295
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	2.0
2	Bromobenzene	108-86-1	LT	2.0
3	Bromochloromethane	74-97-5	LT	4.0
4	Bromodichloromethane	75-27-4	LT	2.0
5	Bromoform	75-25-2	LT	4.0
6	Bromomethane	74-83-9	LT	8.0
7	n-Butylbenzene	104-51-8	LT	2.0
8	sec-Butylbenzene	135-98-8	LT	2.0
9	ter-Butylbenzene	98-06-6	LT	2.0
10	Carbon Tetrachloride	56-23-5	LT	2.0
11	Chlorobenzene	108-90-7	LT	2.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	60.0
13	Chloroethane	75-00-3	LT	60.0
14	Chloroform	67-66-3	LT	2.0
15	Chloromethane	74-87-3	LT	2.0
16	2-Chlorotoluene	95-49-8	LT	4.0
17	4-Chlorotoluene	106-43-4	LT	4.0
18	Dibromochloromethane	124-48-1	LT	4.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	4.0
20	1,2-Dibromoethane	106-93-4	LT	4.0
21	Dibromomethane	74-95-3	LT	2.0
22	1,2-Dichlorobenzene	95-50-1	LT	2.0
23	1,3-Dichlorobenzene	541-73-1	LT	2.0
24	1,4-Dichlorobenzene	106-46-7	LT	2.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	6.0
26	1,1-Dichloroethane	75-34-3	LT	2.0
27	1,2-Dichloroethane	107-06-2	8.8	4.0
28	1,1-Dichloroethene	75-35-4	LT	2.0
29	cis-1,2-Dichloroethene	156-69-9	129	2.0
30	trans-1,2-Dichloroethene	156-60-5	LT	2.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	6.0
32	1,2-Dichloropropane	78-87-5	LT	2.0
33	1,3-Dichloropropane	142-28-9	LT	2.0
34	2,2-Dichloropropane	594-20-7	LT	2.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980295

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	2.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	2.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	2.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	6.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	2.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	2.0
41	Ethylbenzene	100-41-4	LT	2.0
42	Hexachlorobutadien	87-68-3	LT	6.0
43	Isopropylbenzene	98-82-8	LT	4.0
44	p-Isopropyltoluene	99-87-6	LT	2.0
45	Methylene Chloride	75-09-2	LT	2.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	10.0
46	Naphthalene	91-20-3	LT	4.0
47	n-Propylbenzene	103-65-1	LT	2.0
48	Styrene	100-42-5	LT	2.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	2.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	4.0
51	Tetrachloroethene	127-18-4	LT	2.0
52	Toluene	108-88-3	LT	2.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	4.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	2.0
55	1,1,1-Trichloroethane	71-55-6	LT	2.0
56	1,1,2-Trichloroethane	79-00-5	LT	2.0
57	Trichloroethene	79-01-6	174	2.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	4.0
59	1,2,3-Trichloropropane	96-18-4	LT	2.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	2.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	2.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	2.0
63	Vinyl Chloride	75-01-4	LT	2.0
64	Total-Xylene	1330-20-7	LT	4.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99.0	**86-115**
Dibromofluoromethane	102.0	**86-118**
Toluene-d8	102.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump A	Laboratory ID:	OW980296
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	24.5	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980296

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	143	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103.4	**86-115**
Dibromofluoromethane	97.2	**86-118**
Toluene-d8	100.1	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	Sump B	Laboratory ID:	OW980297
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	26.4	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW980297

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	131	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102.0	**86-115**
Dibromofluoromethane	98.8	**86-118**
Toluene-d8	96.9	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	B8	Laboratory ID:	OW9802108
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	LT	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9802108

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	LT	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	100.0	**86-115**
Dibromofluoromethane	109.0	**86-118**
Toluene-d8	100.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.G. Pounsford Date: 5/1/98

LBL Environmental Measurements Laboratory
Volatile Organics Analysis Data Sheet

Sample ID:	NE Ditch	Laboratory ID:	OW9802109
Matrix:	Water	Sample Wt./Vol.:	5.0 ml
Date Sampled:	2/12/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	EPA 8260(Purge & Trap)

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
1	Benzene	71-43-2	LT	1.0
2	Bromobenzene	108-86-1	LT	1.0
3	Bromochloromethane	74-97-5	LT	2.0
4	Bromodichloromethane	75-27-4	LT	1.0
5	Bromoform	75-25-2	LT	2.0
6	Bromomethane	74-83-9	LT	4.0
7	n-Butylbenzene	104-51-8	LT	1.0
8	sec-Butylbenzene	135-98-8	LT	1.0
9	ter-Butylbenzene	98-06-6	LT	1.0
10	Carbon Tetrachloride	56-23-5	LT	1.0
11	Chlorobenzene	108-90-7	LT	1.0
12	Chlorodifluoromethane(Freon-22)	75-45-6	LT	30.0
13	Chloroethane	75-00-3	LT	30.0
14	Chloroform	67-66-3	LT	1.0
15	Chloromethane	74-87-3	LT	1.0
16	2-Chlorotoluene	95-49-8	LT	2.0
17	4-Chlorotoluene	106-43-4	LT	2.0
18	Dibromochloromethane	124-48-1	LT	2.0
19	1,2-Dibromo-3-chloropropane	96-12-8	LT	2.0
20	1,2-Dibromoethane	106-93-4	LT	2.0
21	Dibromomethane	74-95-3	LT	1.0
22	1,2-Dichlorobenzene	95-50-1	LT	1.0
23	1,3-Dichlorobenzene	541-73-1	LT	1.0
24	1,4-Dichlorobenzene	106-46-7	LT	1.0
25	Dichlorodifluoromethane(Freon-12)	75-71-8	LT	3.0
26	1,1-Dichloroethane	75-34-3	LT	1.0
27	1,2-Dichloroethane	107-06-2	LT	2.0
28	1,1-Dichloroethene	75-35-4	LT	1.0
29	cis-1,2-Dichloroethene	156-69-9	LT	1.0
30	trans-1,2-Dichloroethene	156-60-5	LT	1.0
31	Dichlorofluoromethane(Freon-21)	75-43-4	LT	3.0
32	1,2-Dichloropropane	78-87-5	LT	1.0
33	1,3-Dichloropropane	142-28-9	LT	1.0
34	2,2-Dichloropropane	594-20-7	LT	1.0

Volatile Organics Analysis Data Sheet (Continued) Sample I.D. OW9802109

	Compound	CAS #	Conc.(ug/L)	PQL(ug/L)
35	1,1-Dichloropropene	563-58-6	LT	1.0
36	cis-1,3-Dichloropropene	10061-01-5	LT	1.0
37	trans-1,3-Dichloropropene	10061-02-6	LT	1.0
38	1,2-Dichlorotetrafluoroethane(Freon-114)	76-14-2	LT	3.0
39	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	1.0
40	Dichlorotrifluoroethane(Freon-123A)	354-23-4	LT	1.0
41	Ethylbenzene	100-41-4	LT	1.0
42	Hexachlorobutadien	87-68-3	LT	3.0
43	Isopropylbenzene	98-82-8	LT	2.0
44	p-Isopropyltoluene	99-87-6	LT	1.0
45	Methylene Chloride	75-09-2	LT	1.0
45	Methyl tert-Butyl Ether	1634-04-4	LT	5.0
46	Naphthalene	91-20-3	LT	2.0
47	n-Propylbenzene	103-65-1	LT	1.0
48	Styrene	100-42-5	LT	1.0
49	1,1,2,2-Tetrachloroethane	79-34-5	LT	1.0
50	1,1,1,2-Tetrachloroethane	79-34-5	LT	2.0
51	Tetrachloroethene	127-18-4	LT	1.0
52	Toluene	108-88-3	LT	1.0
53	1,2,3-Trichlorobenzene	87-61-6	LT	2.0
54	1,2,4-Trichlorobenzene	120-82-1	LT	1.0
55	1,1,1-Trichloroethane	71-55-6	LT	1.0
56	1,1,2-Trichloroethane	79-00-5	LT	1.0
57	Trichloroethene	79-01-6	LT	1.0
58	Trichlorofluoromethane(Freon-11)	75-69-4	LT	2.0
59	1,2,3-Trichloropropane	96-18-4	LT	1.0
60	1,1,2-Trichlorotrifluoroethane(Freon-113)	76-13-1	LT	1.0
61	1,2,4-Trimethylbenzene	95-63-6	LT	1.0
62	1,3,5-Trimethylbenzene	108-67-8	LT	1.0
63	Vinyl Chloride	75-01-4	LT	1.0
64	Total-Xylene	1330-20-7	LT	2.0

Surrogate Compounds	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104.0	**86-115**
Dibromofluoromethane	105.0	**86-118**
Toluene-d8	101.0	**88-110**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits (based on 5 ml water sample volume)
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-1	Laboratory ID:	OA971201
Matrix:	Gas Cartridge	Sample Vol.(L):	0.100
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.32
2	Benzene	71-43-2	LT	30.77
3	Carbon Tetrachloride	56-23-5	LT	15.65
4	Chloroform	67-66-3	LT	20.16
5	1,2-Dichlorobenzene	95-50-1	LT	16.37
6	1,3-Dichlorobenzene	541-73-1	LT	16.37
7	1,4-Dichlorobenzene	106-46-7	LT	16.37
8	1,1-Dichloroethane	75-34-3	LT	24.27
9	1,2-Dichloroethane	107-06-2	LT	24.81
10	1,1-Dichloroethene	75-35-4	LT	24.81
11	cis-1,2-Dichloroethene	156-69-9	24.1	24.81
12	trans-1,2-Dichloroethene	156-60-5	LT	24.81
13	Ethylbenzene	100-41-4	LT	22.68
14	Methylene Chloride	75-09-2	LT	28.33
15	Tetrachloroethene	127-18-4	LT	14.51
16	Toluene	108-88-3	LT	26.11
17	1,1,1-Trichloroethane	71-55-6	LT	18.02
18	1,1,2-Trichloroethane	71-55-6	LT	18.02
19	Trichloroethene	79-01-6	144	18.32
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	15.95
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.11
22	Vinyl Chloride	75-01-4	LT	38.46
23	Total-Xylene	1330-20-7	LT	22.68
24	Total VOC		168	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	93%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-2	Laboratory ID:	OA971202
Matrix:	Gas Cartridge	Sample Vol.(L):	0.100
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.32
2	Benzene	71-43-2	LT	30.77
3	Carbon Tetrachloride	56-23-5	LT	15.65
4	Chloroform	67-66-3	LT	20.16
5	1,2-Dichlorobenzene	95-50-1	LT	16.37
6	1,3-Dichlorobenzene	541-73-1	LT	16.37
7	1,4-Dichlorobenzene	106-46-7	LT	16.37
8	1,1-Dichloroethane	75-34-3	LT	24.27
9	1,2-Dichloroethane	107-06-2	LT	24.81
10	1,1-Dichloroethene	75-35-4	LT	24.81
11	cis-1,2-Dichloroethene	156-69-9	52.7	24.81
12	trans-1,2-Dichloroethene	156-60-5	LT	24.81
13	Ethylbenzene	100-41-4	LT	22.68
14	Methylene Chloride	75-09-2	LT	28.33
15	Tetrachloroethene	127-18-4	LT	14.51
16	Toluene	108-88-3	LT	26.11
17	1,1,1-Trichloroethane	71-55-6	LT	18.02
18	1,1,2-Trichloroethane	79-00-5	LT	18.02
19	Trichloroethene	79-01-6	850	18.32
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	1100	15.95
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.11
22	Vinyl Chloride	75-01-4	LT	38.46
23	Total-Xylene	1330-20-7	LT	22.68
24	Total VOC		2003	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	80%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-3	Laboratory ID:	OA971203
Matrix:	Gas Cartridge	Sample Vol.(L):	0.100
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.32
2	Benzene	71-43-2	LT	30.77
3	Carbon Tetrachloride	56-23-5	LT	15.65
4	Chloroform	67-66-3	LT	20.16
5	1,2-Dichlorobenzene	95-50-1	LT	16.37
6	1,3-Dichlorobenzene	541-73-1	LT	16.37
7	1,4-Dichlorobenzene	106-46-7	LT	16.37
8	1,1-Dichloroethane	75-34-3	LT	24.27
9	1,2-Dichloroethane	107-06-2	LT	24.81
10	1,1-Dichloroethene	75-35-4	LT	24.81
11	cis-1,2-Dichloroethene	156-69-9	123	24.81
12	trans-1,2-Dichloroethene	156-60-5	LT	24.81
13	Ethylbenzene	100-41-4	LT	22.68
14	Methylene Chloride	75-09-2	LT	28.33
15	Tetrachloroethene	127-18-4	LT	14.51
16	Toluene	108-88-3	LT	26.11
17	1,1,1-Trichloroethane	71-55-6	LT	18.02
18	1,1,2-Trichloroethane	79-00-5	LT	18.02
19	Trichloroethene	79-01-6	367	18.32
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	15.95
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.11
22	Vinyl Chloride	75-01-4	LT	38.46
23	Total-Xylene	1330-20-7	LT	22.68
24	Total VOC		491	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	80%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-4	Laboratory ID:	OA971204
Matrix:	Gas Cartridge	Sample Vol.(L):	0.090
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.91
2	Benzene	71-43-2	LT	34.19
3	Carbon Tetrachloride	56-23-5	LT	17.39
4	Chloroform	67-66-3	LT	22.40
5	1,2-Dichlorobenzene	95-50-1	LT	18.19
6	1,3-Dichlorobenzene	541-73-1	LT	18.19
7	1,4-Dichlorobenzene	106-46-7	LT	18.19
8	1,1-Dichloroethane	75-34-3	LT	26.97
9	1,2-Dichloroethane	107-06-2	LT	27.57
10	1,1-Dichloroethene	75-35-4	LT	27.57
11	cis-1,2-Dichloroethene	156-69-9	LT	27.57
12	trans-1,2-Dichloroethene	156-60-5	LT	27.57
13	Ethylbenzene	100-41-4	LT	25.20
14	Methylene Chloride	75-09-2	LT	31.48
15	Tetrachloroethene	127-18-4	LT	16.13
16	Toluene	108-88-3	LT	29.01
17	1,1,1-Trichloroethane	71-55-6	LT	20.02
18	1,1,2-Trichloroethane	79-00-5	LT	20.02
19	Trichloroethene	79-01-6	72.7	20.35
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.72
21	1,2,4-Trimethylbenzene	95-63-6	LT	29.01
22	Vinyl Chloride	75-01-4	LT	42.74
23	Total-Xylene	1330-20-7	LT	25.20
24	Total VOC		73	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	124%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-5	Laboratory ID:	OA971205
Matrix:	Gas Cartridge	Sample Vol.(L):	0.090
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.91
2	Benzene	71-43-2	LT	34.19
3	Carbon Tetrachloride	56-23-5	LT	17.39
4	Chloroform	67-66-3	LT	22.40
5	1,2-Dichlorobenzene	95-50-1	LT	18.19
6	1,3-Dichlorobenzene	541-73-1	LT	18.19
7	1,4-Dichlorobenzene	106-46-7	LT	18.19
8	1,1-Dichloroethane	75-34-3	LT	26.97
9	1,2-Dichloroethane	107-06-2	LT	27.57
10	1,1-Dichloroethene	75-35-4	LT	27.57
11	cis-1,2-Dichloroethene	156-69-9	368	27.57
12	trans-1,2-Dichloroethene	156-60-5	LT	27.57
13	Ethylbenzene	100-41-4	LT	25.20
14	Methylene Chloride	75-09-2	LT	31.48
15	Tetrachloroethene	127-18-4	LT	16.13
16	Toluene	108-88-3	LT	29.01
17	1,1,1-Trichloroethane	71-55-6	LT	20.02
18	1,1,2-Trichloroethane	79-00-5	LT	20.02
19	Trichloroethene	79-01-6	872	20.35
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.72
21	1,2,4-Trimethylbenzene	95-63-6	LT	29.01
22	Vinyl Chloride	75-01-4	LT	42.74
23	Total-Xylene	1330-20-7	LT	25.20
24	Total VOC		1240	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-6	Laboratory ID:	OA971206
Matrix:	Gas Cartridge	Sample Vol.(L):	0.090
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.91
2	Benzene	71-43-2	LT	34.19
3	Carbon Tetrachloride	56-23-5	LT	17.39
4	Chloroform	67-66-3	LT	22.40
5	1,2-Dichlorobenzene	95-50-1	LT	18.19
6	1,3-Dichlorobenzene	541-73-1	LT	18.19
7	1,4-Dichlorobenzene	106-46-7	LT	18.19
8	1,1-Dichloroethane	75-34-3	LT	26.97
9	1,2-Dichloroethane	107-06-2	LT	27.57
10	1,1-Dichloroethene	75-35-4	LT	27.57
11	cis-1,2-Dichloroethene	156-69-9	LT	27.57
12	trans-1,2-Dichloroethene	156-60-5	LT	27.57
13	Ethylbenzene	100-41-4	LT	25.20
14	Methylene Chloride	75-09-2	LT	31.48
15	Tetrachloroethene	127-18-4	LT	16.13
16	Toluene	108-88-3	LT	29.01
17	1,1,1-Trichloroethane	71-55-6	LT	20.02
18	1,1,2-Trichloroethane	79-00-5	LT	20.02
19	Trichloroethene	79-01-6	LT	20.35
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.72
21	1,2,4-Trimethylbenzene	95-63-6	LT	29.01
22	Vinyl Chloride	75-01-4	LT	42.74
23	Total-Xylene	1330-20-7	LT	25.20
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-7	Laboratory ID:	OA971207
Matrix:	Gas Cartridge	Sample Vol.(L):	0.090
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.91
2	Benzene	71-43-2	LT	34.19
3	Carbon Tetrachloride	56-23-5	LT	17.39
4	Chloroform	67-66-3	LT	22.40
5	1,2-Dichlorobenzene	95-50-1	LT	18.19
6	1,3-Dichlorobenzene	541-73-1	LT	18.19
7	1,4-Dichlorobenzene	106-46-7	LT	18.19
8	1,1-Dichloroethane	75-34-3	LT	26.97
9	1,2-Dichloroethane	107-06-2	LT	27.57
10	1,1-Dichloroethene	75-35-4	LT	27.57
11	cis-1,2-Dichloroethene	156-69-9	169	27.57
12	trans-1,2-Dichloroethene	156-60-5	LT	27.57
13	Ethylbenzene	100-41-4	LT	25.20
14	Methylene Chloride	75-09-2	LT	31.48
15	Tetrachloroethene	127-18-4	LT	16.13
16	Toluene	108-88-3	LT	29.01
17	1,1,1-Trichloroethane	71-55-6	LT	20.02
18	1,1,2-Trichloroethane	79-00-5	LT	20.02
19	Trichloroethene	79-01-6	635	20.35
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.72
21	1,2,4-Trimethylbenzene	95-63-6	LT	29.01
22	Vinyl Chloride	75-01-4	LT	42.74
23	Total-Xylene	1330-20-7	LT	25.20
24	Total VOC		804	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	84%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dabelgnist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-8	Laboratory ID:	OA971208
Matrix:	Gas Cartridge	Sample Vol.(L):	0.085
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/22/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	48.61
2	Benzene	71-43-2	LT	36.20
3	Carbon Tetrachloride	56-23-5	LT	18.41
4	Chloroform	67-66-3	LT	23.72
5	1,2-Dichlorobenzene	95-50-1	LT	19.25
6	1,3-Dichlorobenzene	541-73-1	LT	19.25
7	1,4-Dichlorobenzene	106-46-7	LT	19.25
8	1,1-Dichloroethane	75-34-3	LT	28.56
9	1,2-Dichloroethane	107-06-2	LT	29.19
10	1,1-Dichloroethene	75-35-4	LT	29.19
11	cis-1,2-Dichloroethene	156-69-9	LT	29.19
12	trans-1,2-Dichloroethene	156-60-5	LT	29.19
13	Ethylbenzene	100-41-4	LT	26.68
14	Methylene Chloride	75-09-2	LT	33.33
14	Tetrachloroethene	127-18-4	LT	17.08
15	Toluene	108-88-3	LT	30.72
16	1,1,1-Trichloroethane	71-55-6	LT	21.20
16	1,1,2-Trichloroethane	79-00-5	LT	21.20
17	Trichloroethene	79-01-6	78.5	21.55
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	18.76
17	1,2,4-Trimethylbenzene	95-63-6	LT	30.72
18	Vinyl Chloride	75-01-4	LT	45.25
19	Total-Xylene	1330-20-7	LT	26.68
19	Total VOC		79	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-9	Laboratory ID:	OA971209
Matrix:	Gas Cartridge	Sample Vol.(L):	0.085
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	48.61
2	Benzene	71-43-2	LT	36.20
3	Carbon Tetrachloride	56-23-5	LT	18.41
4	Chloroform	67-66-3	LT	23.72
5	1,2-Dichlorobenzene	95-50-1	LT	19.25
6	1,3-Dichlorobenzene	541-73-1	LT	19.25
7	1,4-Dichlorobenzene	106-46-7	LT	19.25
8	1,1-Dichloroethane	75-34-3	LT	28.56
9	1,2-Dichloroethane	107-06-2	LT	29.19
10	1,1-Dichloroethene	75-35-4	185	29.19
11	cis-1,2-Dichloroethene	156-69-9	111	29.19
12	trans-1,2-Dichloroethene	156-60-5	LT	29.19
13	Ethylbenzene	100-41-4	LT	26.68
14	Methylene Chloride	75-09-2	LT	33.33
15	Tetrachloroethene	127-18-4	LT	17.08
16	Toluene	108-88-3	LT	30.72
17	1,1,1-Trichloroethane	71-55-6	LT	21.20
18	1,1,2-Trichloroethane	79-00-5	LT	21.20
19	Trichloroethene	79-01-6	391	21.55
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	18.76
21	1,2,4-Trimethylbenzene	95-63-6	LT	30.72
22	Vinyl Chloride	75-01-4	LT	45.25
23	Total-Xylene	1330-20-7	LT	26.68
24	Total VOC		686	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	84%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-10	Laboratory ID:	OA971210
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	107	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	444	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		551	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-11	Laboratory ID:	OA971211
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	3190	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	3130	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		6320	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	76%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-12	Laboratory ID:	OA971212
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	9240	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	5940	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		15180	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	77%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-13a	Laboratory ID:	OA971213
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	12200**	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	8490**	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	78%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-13b	Laboratory ID:	OA971214
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	10500**	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	8110**	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	80%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	Field Blank	Laboratory ID:	OA971215
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	LT	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	LT	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	91%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-1	Laboratory ID:	OA971216
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	34.7	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	71-55-6	LT	18.20
19	Trichloroethene	79-01-6	149	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		184	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	87%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-2	Laboratory ID:	OA971217
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	294	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1230	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	1500**	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1524	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-3	Laboratory ID:	OA971218
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	332	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	971	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	168	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1471	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dabfunt Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-4	Laboratory ID:	OA971219
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	LT	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	56.1	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		56	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: H G Fowler Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-4	Laboratory ID:	OA971219
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	LT	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	56.1	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		56	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-5	Laboratory ID:	OA971220
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	101	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	352	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		453	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-6	Laboratory ID:	OA971221
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	27.3	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	85.3	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		113	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-7	Laboratory ID:	OA971222
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	89.4	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	255	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		344	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-8	Laboratory ID:	OA971223
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	139	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
14	Tetrachloroethene	127-18-4	LT	14.66
15	Toluene	108-88-3	LT	26.37
16	1,1,1-Trichloroethane	71-55-6	LT	18.20
16	1,1,2-Trichloroethane	79-00-5	LT	18.20
17	Trichloroethene	79-01-6	380	18.50
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
17	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
18	Vinyl Chloride	75-01-4	LT	38.85
19	Total-Xylene	1330-20-7	LT	22.90
19	Total VOC		519	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.S. Tomsfield Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-9	Laboratory ID:	OA971224
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	164	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	636	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		800	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-10	Laboratory ID:	OA971225
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/23/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	25.06
11	cis-1,2-Dichloroethene	156-69-9	294	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	904	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1198	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	86%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rick Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-11	Laboratory ID:	OA971226
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	1340	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	1620	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		2960	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	88%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5-1-98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-12	Laboratory ID:	OA971227
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	11700**	251
12	trans-1,2-Dichloroethene	156-60-5	215	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	7230**	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		215	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	85%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Stanford Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-13	Laboratory ID:	OA971228
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	12/15/97	Date Received:	12/17/97
Date Analyzed:	12/21/97	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	13000**	251
12	trans-1,2-Dichloroethene	156-60-5	342	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	8830**	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		342	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	81%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-1	Laboratory ID:	OA980101
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/22/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	71-55-6	LT	19.69
19	Trichloroethene	79-01-6	83.0	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		83	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.S. Poonia Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-2	Laboratory ID:	OA980102
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/22/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	56.5	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	1050	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	1810	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		2916	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	**75-130**

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-3	Laboratory ID:	OA980103
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	38.2	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		38	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	95%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Gfoundl. Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-4	Laboratory ID:	OA980104
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	70.6	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		71	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Fonseca Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-5	Laboratory ID:	OA980105
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	67.80
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	294	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	932	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		1226	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	95%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-6	Laboratory ID:	OA980106
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	95.8	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	246	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		342	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-7	Laboratory ID:	OA980107
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	43.1	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	199	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		242	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.R. Fornsfeld Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-8	Laboratory ID:	OA980108
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	149	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
14	Tetrachloroethene	127-18-4	LT	15.86
15	Toluene	108-88-3	LT	28.54
16	1,1,1-Trichloroethane	71-55-6	LT	19.69
16	1,1,2-Trichloroethane	79-00-5	LT	19.69
17	Trichloroethene	79-01-6	480	20.02
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
17	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
18	Vinyl Chloride	75-01-4	LT	42.03
19	Total-Xylene	1330-20-7	LT	24.78
19	Total VOC		629	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-9	Laboratory ID:	OA980109
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/22/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	61.0	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		61	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	100%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalhquist Date: 5/1/98
Reviewer: H. Spaulding Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-10	Laboratory ID:	OA980110
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/22/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	155	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	632	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		787	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-11	Laboratory ID:	OA980111
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	452
2	Benzene	71-43-2	LT	336
3	Carbon Tetrachloride	56-23-5	LT	171
4	Chloroform	67-66-3	LT	220
5	1,2-Dichlorobenzene	95-50-1	LT	179
6	1,3-Dichlorobenzene	541-73-1	LT	179
7	1,4-Dichlorobenzene	106-46-7	LT	179
8	1,1-Dichloroethane	75-34-3	LT	265
9	1,2-Dichloroethane	107-06-2	LT	271
10	1,1-Dichloroethene	75-35-4	LT	271
11	cis-1,2-Dichloroethene	156-69-9	1350	271
12	trans-1,2-Dichloroethene	156-60-5	LT	271
13	Ethylbenzene	100-41-4	LT	248
14	Methylene Chloride	75-09-2	LT	310
15	Tetrachloroethene	127-18-4	LT	159
16	Toluene	108-88-3	LT	285
17	1,1,1-Trichloroethane	71-55-6	LT	197
18	1,1,2-Trichloroethane	79-00-5	LT	197
19	Trichloroethene	79-01-6	1620	200
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	174
21	1,2,4-Trimethylbenzene	95-63-6	LT	285
22	Vinyl Chloride	75-01-4	LT	420
23	Total-Xylene	1330-20-7	LT	248
24	Total VOC		2970	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-12	Laboratory ID:	OA980112
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4516
2	Benzene	71-43-2	LT	3363
3	Carbon Tetrachloride	56-23-5	LT	1710
4	Chloroform	67-66-3	LT	2203
5	1,2-Dichlorobenzene	95-50-1	LT	1789
6	1,3-Dichlorobenzene	541-73-1	LT	1789
7	1,4-Dichlorobenzene	106-46-7	LT	1789
8	1,1-Dichloroethane	75-34-3	LT	2653
9	1,2-Dichloroethane	107-06-2	LT	2712
10	1,1-Dichloroethene	75-35-4	LT	2712
11	cis-1,2-Dichloroethene	156-69-9	20100	2712
12	trans-1,2-Dichloroethene	156-60-5	LT	2712
13	Ethylbenzene	100-41-4	LT	2478
14	Methylene Chloride	75-09-2	LT	3096
15	Tetrachloroethene	127-18-4	LT	1586
16	Toluene	108-88-3	LT	2854
17	1,1,1-Trichloroethane	71-55-6	LT	1969
18	1,1,2-Trichloroethane	79-00-5	LT	1969
19	Trichloroethene	79-01-6	26600	2002
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1743
21	1,2,4-Trimethylbenzene	95-63-6	LT	2854
22	Vinyl Chloride	75-01-4	LT	4203
23	Total-Xylene	1330-20-7	LT	2478
24	Total VOC		46700	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	107%	75-130

** Detector is saturated

CAS #: Chemical Abstract Services Registry Number

PQL: Practical Quantitation Limits

LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalquist Date: 5/1/98

Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-13	Laboratory ID:	OA980113
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4516
2	Benzene	71-43-2	LT	3363
3	Carbon Tetrachloride	56-23-5	LT	1710
4	Chloroform	67-66-3	LT	2203
5	1,2-Dichlorobenzene	95-50-1	LT	1789
6	1,3-Dichlorobenzene	541-73-1	LT	1789
7	1,4-Dichlorobenzene	106-46-7	LT	1789
8	1,1-Dichloroethane	75-34-3	LT	2653
9	1,2-Dichloroethane	107-06-2	LT	2712
10	1,1-Dichloroethene	75-35-4	LT	2712
11	cis-1,2-Dichloroethene	156-69-9	17700	2712
12	trans-1,2-Dichloroethene	156-60-5	LT	2712
13	Ethylbenzene	100-41-4	LT	2478
14	Methylene Chloride	75-09-2	LT	3096
15	Tetrachloroethene	127-18-4	LT	1586
16	Toluene	108-88-3	LT	2854
17	1,1,1-Trichloroethane	71-55-6	LT	1969
18	1,1,2-Trichloroethane	79-00-5	LT	1969
19	Trichloroethene	79-01-6	53200	2002
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1743
21	1,2,4-Trimethylbenzene	95-63-6	LT	2854
22	Vinyl Chloride	75-01-4	LT	4203
23	Total-Xylene	1330-20-7	LT	2478
24	Total VOC		70900	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Wahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-1	Laboratory ID:	OA980114
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/20/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	149	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	71-55-6	LT	19.69
19	Trichloroethene	79-01-6	1450	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	2550	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		4149	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	98%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Ponsford Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-2	Laboratory ID:	OA980115
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/20/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	29.9	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	163	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	1370	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	2080	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		3643	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-3	Laboratory ID:	OA980116
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/20/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	39.3	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	279	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	1120	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	281	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		1719	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	92%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-4	Laboratory ID:	OA980117
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/20/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	24.7	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	50.1	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	402	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	1040	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	72.2	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		1589	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	75%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-5	Laboratory ID:	OA980118
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	38.2	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	349	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	921	20.02
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		1308	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	96%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-6	Laboratory ID:	OA980119
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	37.2	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		37	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	98%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-7	Laboratory ID:	OA980120
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	150	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	567	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		718	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-8	Laboratory ID:	OA980121
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	22.4	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
14	Tetrachloroethene	127-18-4	LT	15.86
15	Toluene	108-88-3	LT	28.54
16	1,1,1-Trichloroethane	71-55-6	LT	19.69
16	1,1,2-Trichloroethane	79-00-5	LT	19.69
17	Trichloroethene	79-01-6	110	20.02
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
17	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
18	Vinyl Chloride	75-01-4	LT	42.03
19	Total-Xylene	1330-20-7	LT	24.78
19	Total VOC		133	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-9	Laboratory ID:	OA980122
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	90.8	81.36
11	cis-1,2-Dichloroethene	156-69-9	238	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	618	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		947	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-10	Laboratory ID:	OA980123
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/21/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	29.2	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	207	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	464	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		701	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-11	Laboratory ID:	OA980124
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	452
2	Benzene	71-43-2	LT	336
3	Carbon Tetrachloride	56-23-5	LT	171
4	Chloroform	67-66-3	LT	220
5	1,2-Dichlorobenzene	95-50-1	LT	179
6	1,3-Dichlorobenzene	541-73-1	LT	179
7	1,4-Dichlorobenzene	106-46-7	LT	179
8	1,1-Dichloroethane	75-34-3	LT	265
9	1,2-Dichloroethane	107-06-2	LT	271
10	1,1-Dichloroethene	75-35-4	LT	271
11	cis-1,2-Dichloroethene	156-69-9	2150	271
12	trans-1,2-Dichloroethene	156-60-5	LT	271
13	Ethylbenzene	100-41-4	LT	248
14	Methylene Chloride	75-09-2	LT	310
15	Tetrachloroethene	127-18-4	LT	159
16	Toluene	108-88-3	LT	285
17	1,1,1-Trichloroethane	71-55-6	LT	197
18	1,1,2-Trichloroethane	79-00-5	LT	197
19	Trichloroethene	79-01-6	2040	200
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	174
21	1,2,4-Trimethylbenzene	95-63-6	LT	285
22	Vinyl Chloride	75-01-4	LT	420
23	Total-Xylene	1330-20-7	LT	248
24	Total VOC		4190	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Spaulding Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-12	Laboratory ID:	OA980125
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	452
2	Benzene	71-43-2	LT	336
3	Carbon Tetrachloride	56-23-5	LT	171
4	Chloroform	67-66-3	LT	220
5	1,2-Dichlorobenzene	95-50-1	LT	179
6	1,3-Dichlorobenzene	541-73-1	LT	179
7	1,4-Dichlorobenzene	106-46-7	LT	179
8	1,1-Dichloroethane	75-34-3	LT	265
9	1,2-Dichloroethane	107-06-2	LT	271
10	1,1-Dichloroethene	75-35-4	LT	271
11	cis-1,2-Dichloroethene	156-69-9	9950	271
12	trans-1,2-Dichloroethene	156-60-5	LT	271
13	Ethylbenzene	100-41-4	LT	248
14	Methylene Chloride	75-09-2	LT	310
15	Tetrachloroethene	127-18-4	LT	159
16	Toluene	108-88-3	LT	285
17	1,1,1-Trichloroethane	71-55-6	LT	197
18	1,1,2-Trichloroethane	79-00-5	LT	197
19	Trichloroethene	79-01-6	9860	200
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	174
21	1,2,4-Trimethylbenzene	95-63-6	LT	285
22	Vinyl Chloride	75-01-4	LT	420
23	Total-Xylene	1330-20-7	LT	248
24	Total VOC		19810	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	97%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-13	Laboratory ID:	OA980126
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/23/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4516
2	Benzene	71-43-2	LT	3363
3	Carbon Tetrachloride	56-23-5	LT	1710
4	Chloroform	67-66-3	LT	2203
5	1,2-Dichlorobenzene	95-50-1	LT	1789
6	1,3-Dichlorobenzene	541-73-1	LT	1789
7	1,4-Dichlorobenzene	106-46-7	LT	1789
8	1,1-Dichloroethane	75-34-3	LT	2653
9	1,2-Dichloroethane	107-06-2	LT	2712
10	1,1-Dichloroethene	75-35-4	LT	2712
11	cis-1,2-Dichloroethene	156-69-9	27600	2712
12	trans-1,2-Dichloroethene	156-60-5	LT	2712
13	Ethylbenzene	100-41-4	LT	2478
14	Methylene Chloride	75-09-2	LT	3096
15	Tetrachloroethene	127-18-4	LT	1586
16	Toluene	108-88-3	LT	2854
17	1,1,1-Trichloroethane	71-55-6	LT	1969
18	1,1,2-Trichloroethane	79-00-5	LT	1969
19	Trichloroethene	79-01-6	70900	2002
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1743
21	1,2,4-Trimethylbenzene	95-63-6	LT	2854
22	Vinyl Chloride	75-01-4	LT	4203
23	Total-Xylene	1330-20-7	LT	2478
24	Total VOC		98500	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	FB 1	Laboratory ID:	OA980127
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	LT	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	FB 2	Laboratory ID:	OA980128
Matrix:	Gas Cartridge	Sample Vol.(L):	0.092
Date Sampled:	1/22/98	Date Received:	1/23/98
Date Analyzed:	2/21/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	45.16
2	Benzene	71-43-2	LT	33.63
3	Carbon Tetrachloride	56-23-5	LT	17.10
4	Chloroform	67-66-3	LT	22.03
5	1,2-Dichlorobenzene	95-50-1	LT	17.89
6	1,3-Dichlorobenzene	541-73-1	LT	17.89
7	1,4-Dichlorobenzene	106-46-7	LT	17.89
8	1,1-Dichloroethane	75-34-3	LT	26.53
9	1,2-Dichloroethane	107-06-2	LT	27.12
10	1,1-Dichloroethene	75-35-4	LT	81.36
11	cis-1,2-Dichloroethene	156-69-9	LT	27.12
12	trans-1,2-Dichloroethene	156-60-5	LT	27.12
13	Ethylbenzene	100-41-4	LT	24.78
14	Methylene Chloride	75-09-2	LT	30.96
15	Tetrachloroethene	127-18-4	LT	15.86
16	Toluene	108-88-3	LT	28.54
17	1,1,1-Trichloroethane	71-55-6	LT	19.69
18	1,1,2-Trichloroethane	79-00-5	LT	19.69
19	Trichloroethene	79-01-6	LT	20.02
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	17.43
21	1,2,4-Trimethylbenzene	95-63-6	LT	28.54
22	Vinyl Chloride	75-01-4	LT	42.03
23	Total-Xylene	1330-20-7	LT	24.78
24	Total VOC		0	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	99%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-1	Laboratory ID:	OA980201
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/24/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	36.9	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	103	75.19
11	cis-1,2-Dichloroethene	156-69-9	146	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	71-55-6	LT	18.20
19	Trichloroethene	79-01-6	1820	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	2860	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		4965	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	104%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-2	Laboratory ID:	OA980202
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	43.9	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	184.8	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1720	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	2290	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		4239	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	108%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-3	Laboratory ID:	OA980203
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	40.3	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	66.6	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	347	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1430	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	1070	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		2953	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	106%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-4	Laboratory ID:	OA980204
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	30.9	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	57.2	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	452	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1450	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	260	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		2250	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	112%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-5	Laboratory ID:	OA980205
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	36.9	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	62.9	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	715	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1290	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		2105	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	103%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-6	Laboratory ID:	OA980206
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	33.0	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	527	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	823	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1383	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	110%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-7	Laboratory ID:	OA980207
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	172	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	687	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		860	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	109%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-8	Laboratory ID:	OA980208
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	LT	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
14	Tetrachloroethene	127-18-4	LT	14.66
15	Toluene	108-88-3	LT	26.37
16	1,1,1-Trichloroethane	71-55-6	LT	18.20
16	1,1,2-Trichloroethane	79-00-5	LT	18.20
17	Trichloroethene	79-01-6	21.3	18.50
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
17	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
18	Vinyl Chloride	75-01-4	LT	38.85
19	Total-Xylene	1330-20-7	LT	22.90
19	Total VOC		21	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	112%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H G Pourmand Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-9	Laboratory ID:	OA980209
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	23.4	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	82.6	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		106	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	110%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-10	Laboratory ID:	OA980210
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	51.3	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	205	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	332	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		588	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	114%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-11	Laboratory ID:	OA980211
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4174
2	Benzene	71-43-2	LT	3108
3	Carbon Tetrachloride	56-23-5	LT	1581
4	Chloroform	67-66-3	LT	2036
5	1,2-Dichlorobenzene	95-50-1	LT	1653
6	1,3-Dichlorobenzene	541-73-1	LT	1653
7	1,4-Dichlorobenzene	106-46-7	LT	1653
8	1,1-Dichloroethane	75-34-3	LT	2452
9	1,2-Dichloroethane	107-06-2	LT	2506
10	1,1-Dichloroethene	75-35-4	LT	2506
11	cis-1,2-Dichloroethene	156-69-9	6690	2506
12	trans-1,2-Dichloroethene	156-60-5	LT	2506
13	Ethylbenzene	100-41-4	LT	2290
14	Methylene Chloride	75-09-2	LT	2861
15	Tetrachloroethene	127-18-4	LT	1466
16	Toluene	108-88-3	LT	2637
17	1,1,1-Trichloroethane	71-55-6	LT	1820
18	1,1,2-Trichloroethane	79-00-5	LT	1820
19	Trichloroethene	79-01-6	5180	1850
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1611
21	1,2,4-Trimethylbenzene	95-63-6	LT	2637
22	Vinyl Chloride	75-01-4	LT	3885
23	Total-Xylene	1330-20-7	LT	2290
24	Total VOC		11870	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	N/A	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalhquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-12	Laboratory ID:	OA980212
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4174
2	Benzene	71-43-2	LT	3108
3	Carbon Tetrachloride	56-23-5	LT	1581
4	Chloroform	67-66-3	LT	2036
5	1,2-Dichlorobenzene	95-50-1	LT	1653
6	1,3-Dichlorobenzene	541-73-1	LT	1653
7	1,4-Dichlorobenzene	106-46-7	LT	1653
8	1,1-Dichloroethane	75-34-3	LT	2452
9	1,2-Dichloroethane	107-06-2	LT	2506
10	1,1-Dichloroethene	75-35-4	LT	2506
11	cis-1,2-Dichloroethene	156-69-9	11700	2506
12	trans-1,2-Dichloroethene	156-60-5	LT	2506
13	Ethylbenzene	100-41-4	LT	2290
14	Methylene Chloride	75-09-2	LT	2861
15	Tetrachloroethene	127-18-4	LT	1466
16	Toluene	108-88-3	LT	2637
17	1,1,1-Trichloroethane	71-55-6	LT	1820
18	1,1,2-Trichloroethane	79-00-5	LT	1820
19	Trichloroethene	79-01-6	11600	1850
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1611
21	1,2,4-Trimethylbenzene	95-63-6	LT	2637
22	Vinyl Chloride	75-01-4	LT	3885
23	Total-Xylene	1330-20-7	LT	2290
24	Total VOC		23300	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	101%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dalquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	BG-13	Laboratory ID:	OA980213
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4174
2	Benzene	71-43-2	LT	3108
3	Carbon Tetrachloride	56-23-5	LT	1581
4	Chloroform	67-66-3	LT	2036
5	1,2-Dichlorobenzene	95-50-1	LT	1653
6	1,3-Dichlorobenzene	541-73-1	LT	1653
7	1,4-Dichlorobenzene	106-46-7	LT	1653
8	1,1-Dichloroethane	75-34-3	LT	2452
9	1,2-Dichloroethane	107-06-2	LT	2506
10	1,1-Dichloroethene	75-35-4	LT	2506
11	cis-1,2-Dichloroethene	156-69-9	42300	2506
12	trans-1,2-Dichloroethene	156-60-5	LT	2506
13	Ethylbenzene	100-41-4	LT	2290
14	Methylene Chloride	75-09-2	LT	2861
15	Tetrachloroethene	127-18-4	LT	1466
16	Toluene	108-88-3	LT	2637
17	1,1,1-Trichloroethane	71-55-6	LT	1820
18	1,1,2-Trichloroethane	79-00-5	LT	1820
19	Trichloroethene	79-01-6	82400	1850
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1611
21	1,2,4-Trimethylbenzene	95-63-6	LT	2637
22	Vinyl Chloride	75-01-4	LT	3885
23	Total-Xylene	1330-20-7	LT	2290
24	Total VOC		124700	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	**75-130**

** Detector is saturated

CAS #: Chemical Abstract Services Registry Number

PQL: Practical Quantitation Limits

LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98

Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-1	Laboratory ID:	OA980214
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	282	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	71.6	24.52
9	1,2-Dichloroethane	107-06-2	128	25.06
10	1,1-Dichloroethene	75-35-4	36.1	75.19
11	cis-1,2-Dichloroethene	156-69-9	4530	25.06
12	trans-1,2-Dichloroethene	156-60-5	351	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	54.5	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	63.6	18.20
18	1,1,2-Trichloroethane	71-55-6	LT	18.20
19	Trichloroethene	79-01-6	3650	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	427	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		9593	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	112%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-2	Laboratory ID:	OA980215
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	42.9	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	279	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1920	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	3010	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		5252	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	112%	**75-130**

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-3	Laboratory ID:	OA980216
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	59.3	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	220	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1410	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	1040	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		2730	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	111%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-4	Laboratory ID:	OA980219
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	32.6	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	57.0	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	383	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	LT	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1370	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	74.3	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1917	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	109%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-5	Laboratory ID:	OA980218
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	51.6	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	75.6	24.52
9	1,2-Dichloroethane	107-06-2	LT	62.66
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	784	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	86.4	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	1550	18.50
20	Dichlorotrifluoroethane(Freon-123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		2548	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	111%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-6	Laboratory ID:	OA980219
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	28.0	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	266	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	78.9	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	818	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		1191	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	113%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Date: 5/1/98
Reviewer: Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-7	Laboratory ID:	OA980220
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/26/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	163	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	64.0	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	669	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		896	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	113%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-8	Laboratory ID:	OA980221
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/26/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	134	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	72.2	28.61
14	Tetrachloroethene	127-18-4	LT	14.66
15	Toluene	108-88-3	LT	26.37
16	1,1,1-Trichloroethane	71-55-6	LT	18.20
16	1,1,2-Trichloroethane	79-00-5	LT	18.20
17	Trichloroethene	79-01-6	484	18.50
18	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
17	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
18	Vinyl Chloride	75-01-4	LT	38.85
19	Total-Xylene	1330-20-7	LT	22.90
19	Total VOC		690	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	115%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H. Goodwin Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-9	Laboratory ID:	OA980222
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/26/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	39.0	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	61.6	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	149	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		249	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	115%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: HG Fourniol Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-10	Laboratory ID:	OA980223
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/26/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	79.5	75.19
11	cis-1,2-Dichloroethene	156-69-9	52.6	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	446	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	200	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		779	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	113%	**75-130**

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL
* Compounds could not be determined because of interferent on detector.
California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: H.R. Poussard Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-11	Laboratory ID:	OA980224
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	3/24/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	417
2	Benzene	71-43-2	LT	311
3	Carbon Tetrachloride	56-23-5	LT	158
4	Chloroform	67-66-3	LT	204
5	1,2-Dichlorobenzene	95-50-1	LT	165
6	1,3-Dichlorobenzene	541-73-1	LT	165
7	1,4-Dichlorobenzene	106-46-7	LT	165
8	1,1-Dichloroethane	75-34-3	LT	245
9	1,2-Dichloroethane	107-06-2	LT	251
10	1,1-Dichloroethene	75-35-4	LT	251
11	cis-1,2-Dichloroethene	156-69-9	1030	251
12	trans-1,2-Dichloroethene	156-60-5	LT	251
13	Ethylbenzene	100-41-4	LT	229
14	Methylene Chloride	75-09-2	LT	286
15	Tetrachloroethene	127-18-4	LT	147
16	Toluene	108-88-3	LT	264
17	1,1,1-Trichloroethane	71-55-6	LT	182
18	1,1,2-Trichloroethane	79-00-5	LT	182
19	Trichloroethene	79-01-6	1010	185
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	161
21	1,2,4-Trimethylbenzene	95-63-6	LT	264
22	Vinyl Chloride	75-01-4	LT	389
23	Total-Xylene	1330-20-7	LT	229
24	Total VOC		2040	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	113%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-12	Laboratory ID:	OA980225
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	3/24/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4174
2	Benzene	71-43-2	LT	3108
3	Carbon Tetrachloride	56-23-5	LT	1581
4	Chloroform	67-66-3	LT	2036
5	1,2-Dichlorobenzene	95-50-1	LT	1653
6	1,3-Dichlorobenzene	541-73-1	LT	1653
7	1,4-Dichlorobenzene	106-46-7	LT	1653
8	1,1-Dichloroethane	75-34-3	LT	2452
9	1,2-Dichloroethane	107-06-2	LT	2506
10	1,1-Dichloroethene	75-35-4	LT	2506
11	cis-1,2-Dichloroethene	156-69-9	25800	2506
12	trans-1,2-Dichloroethene	156-60-5	LT	2506
13	Ethylbenzene	100-41-4	LT	2290
14	Methylene Chloride	75-09-2	LT	2861
15	Tetrachloroethene	127-18-4	LT	1466
16	Toluene	108-88-3	LT	2637
17	1,1,1-Trichloroethane	71-55-6	LT	1820
18	1,1,2-Trichloroethane	79-00-5	LT	1820
19	Trichloroethene	79-01-6	34500	1850
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1611
21	1,2,4-Trimethylbenzene	95-63-6	LT	2637
22	Vinyl Chloride	75-01-4	LT	3885
23	Total-Xylene	1330-20-7	LT	2290
24	Total VOC		60300	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	102%	75-130

** Detector is saturated
CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	AG-13	Laboratory ID:	OA980226
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	3/24/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	4174
2	Benzene	71-43-2	LT	3108
3	Carbon Tetrachloride	56-23-5	LT	1581
4	Chloroform	67-66-3	LT	2036
5	1,2-Dichlorobenzene	95-50-1	LT	1653
6	1,3-Dichlorobenzene	541-73-1	LT	1653
7	1,4-Dichlorobenzene	106-46-7	LT	1653
8	1,1-Dichloroethane	75-34-3	LT	2452
9	1,2-Dichloroethane	107-06-2	LT	2506
10	1,1-Dichloroethene	75-35-4	LT	2506
11	cis-1,2-Dichloroethene	156-69-9	27600	2506
12	trans-1,2-Dichloroethene	156-60-5	LT	2506
13	Ethylbenzene	100-41-4	LT	2290
14	Methylene Chloride	75-09-2	LT	2861
15	Tetrachloroethene	127-18-4	LT	1466
16	Toluene	108-88-3	LT	2637
17	1,1,1-Trichloroethane	71-55-6	LT	1820
18	1,1,2-Trichloroethane	79-00-5	LT	1820
19	Trichloroethene	79-01-6	74400	1850
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	1611
21	1,2,4-Trimethylbenzene	95-63-6	LT	2637
22	Vinyl Chloride	75-01-4	LT	3885
23	Total-Xylene	1330-20-7	LT	2290
24	Total VOC		102000	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	108%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rich Dahlquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

LBL Environmental Measurements Laboratory
TO-14 Analysis Data Sheet

Sample ID:	FB 1	Laboratory ID:	OA980227
Matrix:	Gas Cartridge	Sample Vol.(L):	0.099
Date Sampled:	2/19/98	Date Received:	2/20/98
Date Analyzed:	2/25/98	Method:	TO-14

	Compound	CAS #	Conc.(ppbv)	PQL(ppbv)
1	Acetone	67-64-1	LT	41.74
2	Benzene	71-43-2	LT	31.08
3	Carbon Tetrachloride	56-23-5	LT	15.81
4	Chloroform	67-66-3	LT	20.36
5	1,2-Dichlorobenzene	95-50-1	LT	16.53
6	1,3-Dichlorobenzene	541-73-1	LT	16.53
7	1,4-Dichlorobenzene	106-46-7	LT	16.53
8	1,1-Dichloroethane	75-34-3	LT	24.52
9	1,2-Dichloroethane	107-06-2	LT	25.06
10	1,1-Dichloroethene	75-35-4	LT	75.19
11	cis-1,2-Dichloroethene	156-69-9	LT	25.06
12	trans-1,2-Dichloroethene	156-60-5	LT	25.06
13	Ethylbenzene	100-41-4	LT	22.90
14	Methylene Chloride	75-09-2	392	28.61
15	Tetrachloroethene	127-18-4	LT	14.66
16	Toluene	108-88-3	LT	26.37
17	1,1,1-Trichloroethane	71-55-6	LT	18.20
18	1,1,2-Trichloroethane	79-00-5	LT	18.20
19	Trichloroethene	79-01-6	LT	18.50
20	Dichlorotrifluoroethane (Freon 123)	306-83-2	LT	16.11
21	1,2,4-Trimethylbenzene	95-63-6	LT	26.37
22	Vinyl Chloride	75-01-4	LT	38.85
23	Total-Xylene	1330-20-7	LT	22.90
24	Total VOC		392	

Surrogate Compound	% Recovery	QC Limits (%)
4-Bromofluorobenzene	114%	75-130

CAS #: Chemical Abstract Services Registry Number
PQL: Practical Quantitation Limits
LT: Less than PQL

California D.O.H.S. Cert. # 1704

Analyst : Rob Dalquist Date: 5/1/98
Reviewer: [illegible] Date: 5/1/98

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