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Report on Ambient Air Monitoring For Methyl Bromide and 1,3-Dichloropropene In Ventura County during June, July and August 2006

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Monitoring Report Approval

Report Title: Report on Ambient Air Monitoring For Methyl Bromide and 1,3-Dichloropropene in Ventura County During June, July and August 2006

Project Lead: Jack Romans, Air Pollution Specialist

Approval: The following monitoring report has been reviewed and approved by the Monitoring and Laboratory Division.

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Executive Summary

Report on Ambient Air Monitoring For Methyl Bromide and1,3-Dichloropropene In Ventura County During June, July and August 2006

At the request of the Department of Pesticide Regulation (DPR), the Air Resources Board ARB) conducted ambient air monitoring for methyl bromide and 1,3-dichloropropene (common trade name: Telone) in Ventura County from June 14 to August 6, 2006. These compounds are primarily used as soil fumigants prior to the planting of strawberries and the timing of the monitoring was designed to coincide with their period of peak-use.

Two hundred and forty-nine (249), 24-hour integrated ambient air samples from six different locations throughout the county were collected by staff of the Special Purpose Monitoring Section. The sampling locations were chosen for their proximity to both agricultural fields and populations. Air samples were collected in evacuated stainless-steel canisters equipped with a passive flow controller sampling at a flow rate of 3 cc/m. Samples were collected Monday through Friday, except Weeks 1, 4 and 8 which sampled Wednesday through Sunday. Two hundred and twenty-five (225) subsequently validated air samples, plus twenty-four (24) field quality control samples, were analyzed by the Northern Laboratory Branch in Sacramento to determine methyl bromide, cis-1,3-dichloropropene, and trans-1,3-dichloropropene concentrations in nanograms per cubic meter (ng/m^3).

- Reported methyl bromide results indicated ambient concentrations ranging from less than the Level of Detection (approximately10 ng/m^3) to a maximum of 23,000 ng/m^3 occurring on August 2-3 at the Laguna Vista Elementary School site.

- Reported cis-1,3-dichloropropene results indicated ambient concentrations ranging from less than the LOD (approximately 55 ng/m^3) to a maximum of 24,000 ng/m^3 occurring on July 11-12 at the CA Department of Forestry site.

- Reported trans-1,3-dichloropropene results indicated ambient concentrations ranging from less than the LOD (approximately 41 ng/m^3) to a maximum of 20,000 ng/m^3 also occurring on July 11-12 at the CA Dept. of Forestry site.

In comparison, during ambient air monitoring in Monterey and Santa Cruz Counties in 2001, maximum reported concentrations of methyl bromide, cis and trans-1,3-dichloropropene at MacQuiddy Elementary School were 142,000, 3,860, and 3,420 ng/m^3 respectively. During the 2005 Ventura County monitoring, reported maximums were 15,800, 40,700, and 36,100 ng/m^3 respectively. Field sampling and laboratory analytical methods were essentially the same for 2001, 2005 and 2006.

Quality control field samples included 47 collocated pairs, 8 field spikes, 8 trip spikes and 8 trip blanks. The average Relative Percent Difference of the collocated pairs for methyl bromide, cis and trans-1,3-dichloropropene were 2.9%, 5.8%, and 15.4% respectively. Field spike recovery percentages for methyl bromide, cis and trans-1,3-dichloropropene averaged 119%, 114%, and 111% respectively. All trip blank results were less than the Level of Detection except two samples that indicated 334 and 23 ng/m^3 of methyl bromide respectively.

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1.0 Introduction

At the request of the California Department of Pesticide Regulation (DPR), in an August 30, 2004 Memorandum from Gosselin to Lloyd, the Air Resources Board (ARB) conducted ambient air monitoring for the pesticides methyl bromide (MeBr) and 1,3-dichloropropene (Telone). Telone is the common Trade Name for a mixture of two isomers, cis-1,3-dichloropropene and trans-1,3-dichloropropene. These compounds are typically used as soil fumigants prior to planting of strawberries and peppers.

Two hundred and forty-nine (249) ambient air samples plus 24 field quality control canister samples were collected at six (6) different monitoring sites in Ventura County from June 14, 2006 to August 6, 2006. This monitoring was performed under the requirements of AB 1807/3219 (Food and Agricultural Code, Division 7, Chapter 3, Article 1.5) which requires the ARB, "…to document the level of airborne emissions…of pesticides that may be determined to pose a present or potential hazard...", when requested by the DPR.

This 2006 study was essentially a repeat of monitoring performed during August and September 2005. The 2005 monitoring was prematurely halted after 5 weeks rather than the planned 8 sequential weeks because new information indicated that the peak-use period of these compounds had shifted from August and September to June and July. As a result, the DPR requested and the ARB agreed to repeat this monitoring in Ventura County during June and July 2006.

2005 was the first year the DPR had requested ambient air monitoring for these compounds in Ventura County. The ARB had previously conducted ambient air monitoring studies for Telone in Merced County in 1990, in Kern County in 1996, 2000, and 2001, and in Monterey and Santa Cruz Counties in 2000 and 2001. Ambient monitoring for methyl bromide had previously been conducted in Monterey and Santa Cruz Counties in 1986, 2000 and 2001, and in Kern County in 2000 and 2001.

The monitoring method prior to 2000 used charcoal-filled cartridges for sample collection. Since 2000, the sample collection method has used evacuated stainless steel canisters.

2.0 Sampling Sites

Sampling site locations, with the exception of the background site at Thousand Oaks, are indicated on the use-maps for methyl bromide and Telone presented in **Figures 1 and 2** respectively. ARB staff, in consultation with DPR, selected these sampling sites based upon several factors:

- Historical use of methyl bromide and Telone as indicated by these use-maps.
- Proximity of sampling site to agricultural fields.
- Presence or proximity of residents, students, or populations in general to fields.
- Considerations for both staff accessibility and security of the sampling equipment.
- Maximum practical compliance with established siting criteria.

The use-maps supplied to the ARB by the DPR represented the most current (Fall, 2003) use information known prior to conducting the 2006 monitoring effort. The ARB understands that the DPR will verify and quantify the usage of these fumigants during the study period when that information becomes available.

Six (6) locations in Ventura County were selected as monitoring sites for 2006. Five (5) sites were the same for both 2005 and 2006 and were selected based upon their proximity with agricultural areas. The 2006 background site at Thousand Oaks High School was substituted for the 2005 background site at Lincoln Elementary School at DPR's request. The background site is chosen for its upwind location and greater relative distance from agricultural areas. All monitoring sites were located at an elevation of less than 150 feet above mean sea level with the exception of the Thousand Oaks site that had an elevation of approximately 750 feet. Photographic images of each of the following monitoring sites are presented in **Appendix A**:

Thousand Oaks High School, 2323 Moorpark Road, Thousand Oaks, CA, 91360
GPS: N 34º 12.621', W 118º 52.225'

CA Dept. of Transportation (CALTRANS) Station, 4821 Adohr Lane, Camarillo, CA 93012
GPS: N 34º 12.407', W 119º 00.414'

Ventura County Fire Dept. Maintenance Facility, 2451 Latigo Road, Oxnard, CA 93030
GPS: N 34º 12.675', W 119º 08.595'

United Water Conservation District, 3561 Rose Avenue, Oxnard, CA 93030
GPS: N 34º 15.160', W 119º 08.193'

Laguna Vista Elementary School, 5084 Etting Road, Oxnard, CA 93033
GPS: N 34º 09.695', W 119º 05.645'

CA Dept. of Forestry / CA Youth Authority, 2800 Wright Road, Camarillo, CA 93010
GPS: N 34º 14.702', W 119º 06.457'

Figure 1

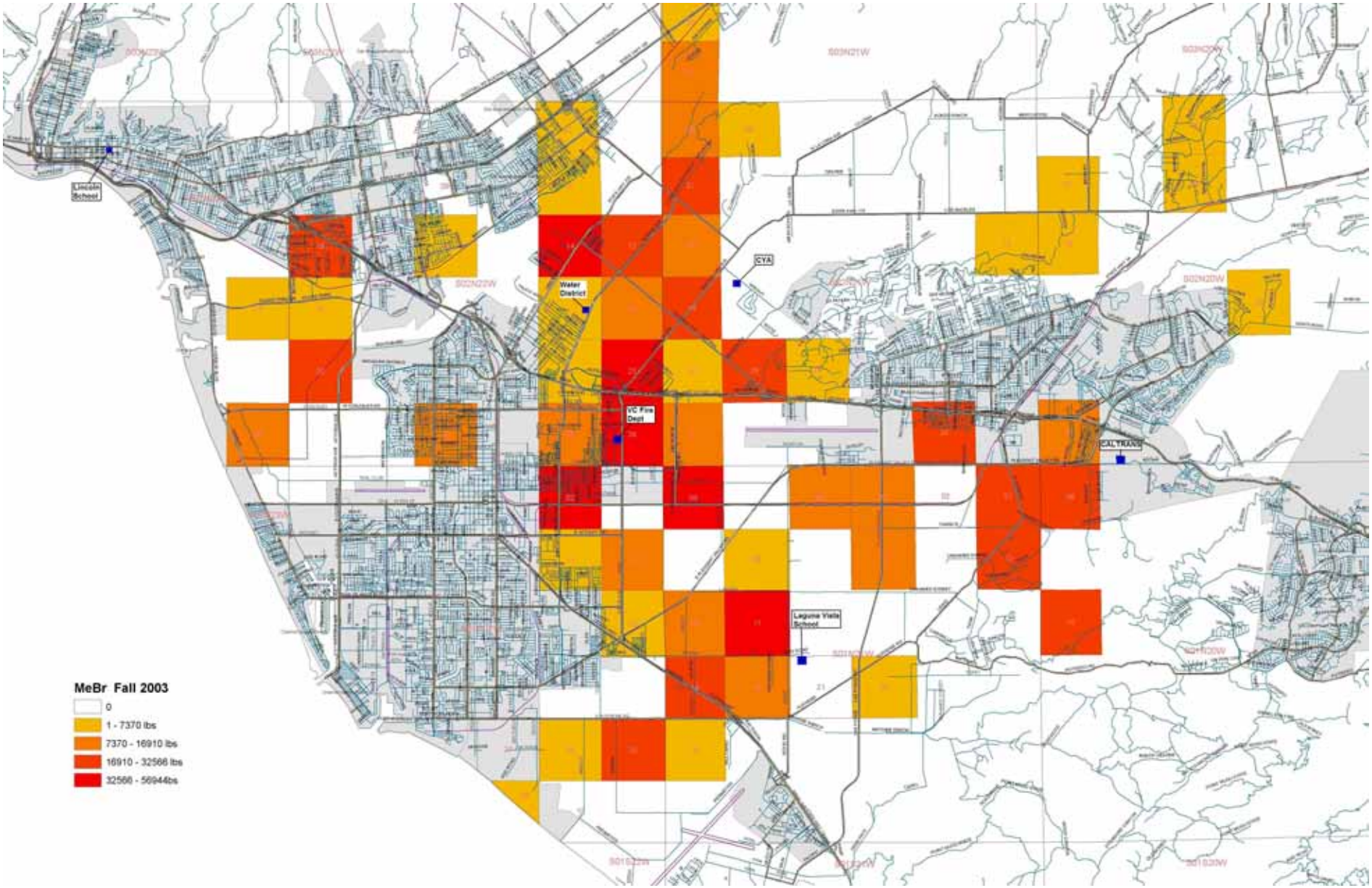
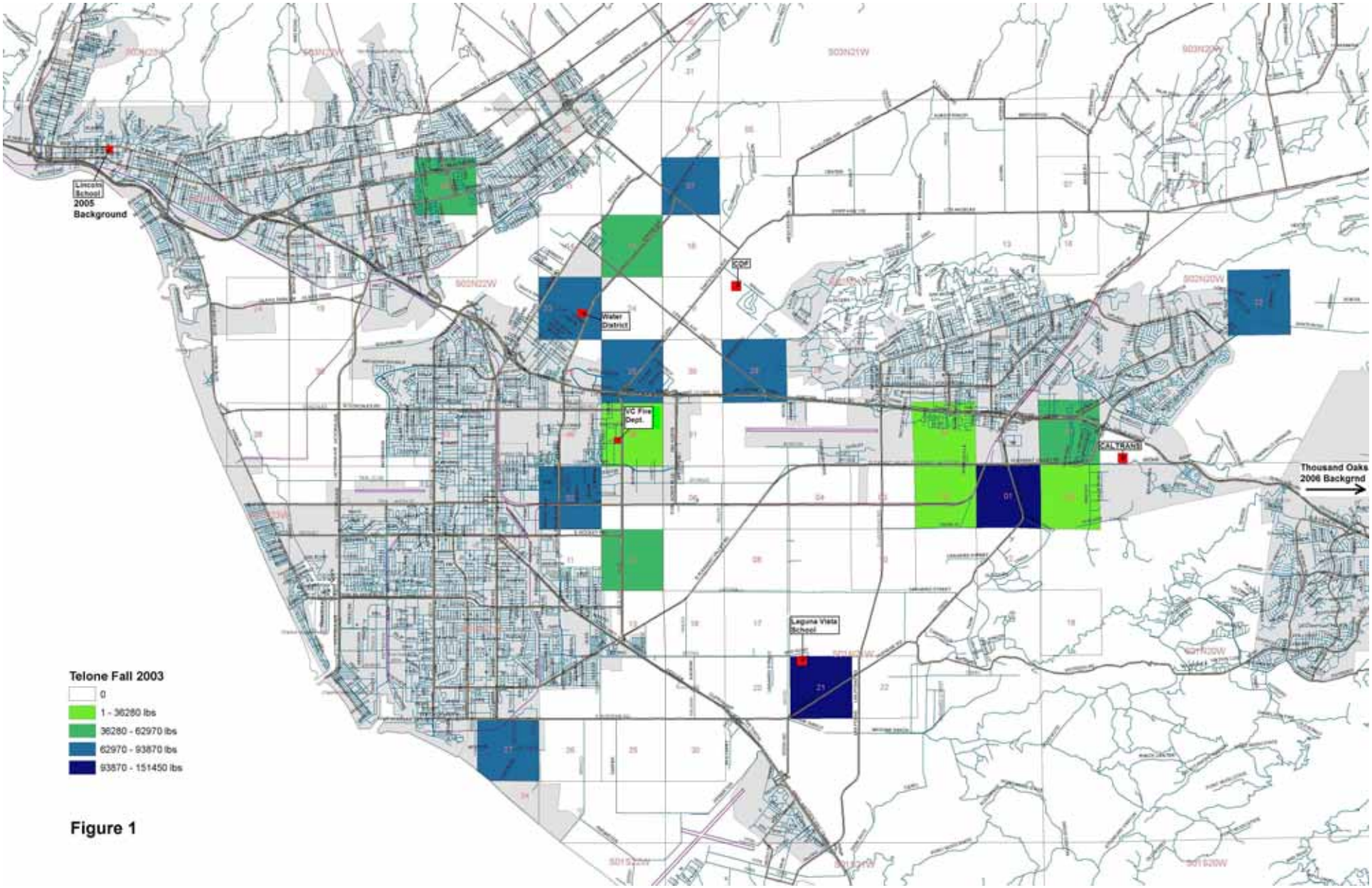

Lincoln School
Water District
CYA
VC Fire Dept
CALTRANS
Laguna Vista School
MeBr Fall 2003
0
1 - 7370 lbs
7370 - 16910 lbs
16910 - 32566 lbs
32566 - 56944lbs

Figure 2


Lincoln School
2005 Background
Water District
VC Fire Dept.
CALTRANS
Thousand Oaks 2006 Backgrnd
Laguna Vista School
Telone Fall 2003
0
1 - 36280 lbs
36280 - 62970 lbs
62970 - 93870 lbs
93870 - 151450 lbs
Figure 1

3.0 Methods

Four (4), 24-hour integrated ambient air samples were collected Monday through Friday, not including holidays, collocated or quality control samples. In addition, DPR requested that some weekend samples also be collected. Weekend samples were collected at the end of Week 1 (Wednesday, June 16 through Saturday, June 17), Week 4 (Wednesday, July 5 through Sunday, July 9) and Week 8 (Wednesday, August 2 through Sunday, August 6) from all sites except CALTRANS which had no weekend access.

The air samples were collected by an air sampler consisting of a 2-meter long sample probe, passive flow controller, and evacuated stainless-steel canister. The target sample flow rate of 3 standard cubic centimeters per minute (cc/m) was measured using a certified mass flow meter (MFM) transfer standard at the beginning and again at the end of each sample collection period. The certification certificates for the MFM(s) used are presented in **Appendix E.**

At the end of each sampling week, canister samples were transported to the MLD laboratory in Sacramento by ARB staff. In addition to ambient air samples, quality control samples consisting of collocated samples, field spikes, trip spikes, and trip blanks were also collected.

For details of the monitoring method, please refer to **Appendix B**, "Protocol for the Ambient Monitoring for Methyl Bromide and 1,3-Dichloropropene in Ventura County During Summer 2006 (dated June 12, 2006). There were no significant deviations from this protocol during the actual monitoring.

Collected samples were analyzed using the laboratory method, "Standard Operating Procedure~~s~~ for the Sampling and Analysis of Bromomethane and 1,3-dichloropropene in Silco™ Canisters", attached to S.O.P. No. MLD 058 – Determination of Aromatic and Halogenated Compounds in Ambient Air by Capillary Column Gas Chromatography/Mass Spectrometry (May 15, 2002). This method was used as the primary analysis method for methyl bromide, cis-1,3-dichloropropene and trans-1,3-dichloropropene, and may be seen in its entirety at **http://www.arb.ca.gov/aaqm/sop/sop_058.pdf**. Samples with concentrations above the calibration range were diluted prior to analysis. **Appendix C** contains the laboratory results report entitled, "Bromomethane and 1,3-Dichloropropene Method Development and Analytical Results for Ventura County Ambient Air Monitoring Samples Collected in Six-liter Silco™ Canisters (dated October, 2006).

4.0 Results

The analytical results of collected samples are presented in **Table 1**, "Monitoring Results", as well as **Table 2,** "Monitoring Results by Site". These tables differ in arrangement, information presented and inclusion or exclusion of quality control samples. However, the analytical results presented in both tables were obtained from **Appendix C, "**Laboratory Results Report". For additional information on these results, please refer to **Appendix C**.

A sequential Log Number (#) was assigned to each canister by field staff prior to sampling or processing as a quality control sample. At the same time, a unique Sample Identification Name was assigned to each canister. This example of a Sample Identification Name, **1-TO-C-9999**, can be deciphered by the following legend:

1- Numeral indicates the sequential sample run day. All samples from that day have this same number. Next day's samples would start with "2", etc.

TO- Letters are an abbreviation for the site name (e.g., **T**housand **O**aks High School).

C- Abbreviation for **C**ollocated sample. Other abbreviations used to identify Quality Control sample type include: "**TB**" for **T**rip **B**lank; "**TS**" for **T**rip **S**pike; and "**FS**" for **F**ield **S**pike.

9999- Permanent canister identification number; assigned by the laboratory.
Abbreviations used in the Sample Identification Names denote the following site names:

TO - **T**housand **O**aks High School
CT - **C**al**T**rans
LV - **L**aguna **V**ista Elementary School
FS - **F**ire **S**tation (Ventura County Fire Maintenance Facility)
CF - **C**alifornia Department of **F**orestry
UD - **U**nited Water Conservation **D**istrict

In addition, the following abbreviations are also used in this report:

MDL – Method Detection Limit
EQL – Estimated Quantitation Limit
LOD – Level of Detection

Out of a total of 273 (249 ambient plus 24 quality control) collected sample canisters, 247 sample canisters are considered valid for a data completeness ratio of 90%. In 2005, this ratio averaged 95%.

Note: A discrepancy in collected ambient sample counts between this report and Laboratory Results Report may be attributable to lab report not counting Log # 141 (17-VC-1135) which was subsequently determined to be invalid.

4.0 **Results** (continued) **Table 1**

Monitoring Results

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
1	1-UD-1177	6/14/06 0700	6/15/06 0635	INVALID	INVALID	INVALID
2	1-CF-1166	0730	0715	INVALID	INVALID	INVALID
3	1-VC-1163	0830	0755	4.8E+00	**1E+00**	**1E+00**
4	1-CT-1113	1030	0935	4.5E-01	4.6E-01	5.6E-01
5	1-TO-1053	1130	1040	INVALID	INVALID	INVALID
6	2-UD-1129	6/15/06 0645	6/16/06 0640	2.4E+00	3.0E-01	4.0E-01
7	2-UD-C-1141	0650	0640	2.5E+00	3.1E-01	4.0E-01
8	2-CF-1142	0720	0705	1.1E+00	3.0E-01	4.0E-01
9	2-CF-C-1082	0725	0705	1.1E+00	3.0E-01	4.2E-01
10	2-TB-1134	6/12/06 1400	6/17/06 1320	SEE	TRIP BLANK	RESULTS
11	2-VC-1050	6/15/06 0800	6/16/07 0730	1.6E+00	4.0E-01	5.5E-01
12	2-VC-C-1071	0810	0740	1.7E+00	4.0E-01	5.6E-01
13	2-LV-1178	0845	0815	2.3E+00	3.6E-01	5.5E-01
14	2-LV-C-1051	0850	0820	INVALID	INVALID	INVALID
15	2-CT-1066	0940	0855	5.2E-01	**9E-02**	**1E-01**
16	2-CT-C-1124	0945	0855	5.0E-01	**8E-02**	**1E-01**
17	2-TO-1196	1045	1015	2.4E-01	*<5E-02*	*<4E-02*
18	2-TO-C-1104	1050	1020	2.4E-01	*<5E-02*	*<4E-02*
19	3-UD-1169	6/16/06 0645	6/17/06 0645	3.0E+00	5.1E+00	5.3E+00
20	3-CF-1171	0710	0710	2.1E+00	2.8E+00	2.9E+00
21	3-VC-1106	0735	0730	2.7E+00	1.4E+00	1.6E+00
22	3-LV-1144	0820	0805	1.3E+00	1.3E+00	1.5E+00
23	3-CT-1067	0900	0845	1.9E+00	1.1E+00	1.3E+00
24	3-TO-1103	1025	1000	3.7E-01	**2E-01**	**2.0E-01**
25	3-TO-FS-1059	1030	0930	SEE	FIELD SPIKE	RESULTS
26	4-UD-1060	6/17/06 0650	6/18/06 0620	2.0E+00	1.8E+00	1.9E+00
27	4-CF-1138	0715	0650	7.1E-01	6.5E-01	8.0E-01
28	4-VC-1140	0735	0715	4.6E-01	5.6E-01	7.2E-01
29	4-LV-1122	0810	0745	3.2E-01	2.1E-01	2.8E-01
30	4-CT-1064	0845	0845	INVALID	INVALID	INVALID
31	4-TO-TS-1057	0920	0920	SEE	TRIP BLANK	RESULTS
32	4-TO-1055	1005	0945	2.9E-01	**2E-01**	**2E-01**

Invalid due to end canister vacuum < -5“or > -10”: Log #’s 1, 2, 5, 14, 30

Table 1 Notes: **Shaded cells in Table 1 indicate an invalid or flagged sample. Additional comments pertaining to each invalid or flagged sample can be found at the bottom of its respective table.**

Italicized results in Table 1 indicate analytical results <LOD and reported in the table as <the actual calculated LOD rounded to one significant figure.

Bold results in Table 1 indicate analytical results ≥LOD and <EQL (EQL varies due to individual sample dilution) and are reported in the table to one significant figure.

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
33	5-UD-1164	6/19/06 0640	6/20/06 0635	INVALID	INVALID	INVALID
34	5-UD-C-1181	0650	0640	2.5E+00	5.5E-01	5.6E-01
35	5-CF-1182	0710	0705	1.6E+00	2.8E-01	2.8E-01
36	5-CF-C-1165	0720	0710	1.6E+00	2.8E-01	3.0E-01
37	5-VC-1070	0740	0735	9.7E-01	4.2E-01	4.6E-01
38	5-VC-C-1105	0745	0745	INVALID	INVALID	INVALID
39	5-LV-1097	0815	0810	4.3E-01	8.2E-01	7.9E-01
40	5-LV-C-1180	0820	0815	INVALID	INVALID	INVALID
41	5-CT-1089	0850	0850	3.6E-01	3.5E-01	3.6E-01
42	5-CT-C-1186	0855	0855	3.8E-01	3.8E-01	3.9E-01
43	5-TO-1091	0940	1005	INVALID	INVALID	INVALID
44	5-TO-C-1172	0945	1005	3.6E-01	**2E-01**	2.2E-01
45	6-UD-1167	6/20/06 0640	6/21/06 0640	1.0E+00	2.9E-01	3.0E-01
46	6-CF-1126	0710	0705	1.3E+00	3.2E-01	3.3E-01
47	6-VC-1136	0735	0730	6.6E-01	4.2E-01	4.3E-01
48	6-LV-1111	0815	0800	6.3E-01	1.7E+00	1.5E+00
49	6-CT-1061	0925	0840	4.8E-01	5.1E-01	4.9E-01
50	6-TO-1086	1010	0940	4.5E-01	2.8E-01	2.4E-01
51	7-UD-1063	6/21/06 0645	0630	1.4E+00	4.1E-01	4.3E-01
52	7-CF-1084	0710	0655	2.0E+00	**9E-01**	8.6E-01
53	7-VC-1098	0730	0720	8.3E-01	5.0E-01	4.9E-01
54	7-LV-1099	0800	0750	7.0E-01	3.7E-01	3.7E-01
55	7-LV-C-1058	0805	0755	7.1E-01	3.8E-01	3.9E-01
56	7-CT-1153	0840	0830	8.3E-01	3.4E-01	3.3E-01
57	7-CT-C-1133	0850	0835	INVALID	INVALID	INVALID
58	7-TO-1056	0945	0940	8.9E-01	4.6E-01	4.3E-01
59	7-TO-FS-1149	0935	0935	SEE	FIELD SPIKE	RESULTS
60	8-UD-1054	6/22/06 0635	6/23/06 0630	INVALID	INVALID	INVALID
61	8-CF-1137	0700	0645	1.1E+00	5.4E-01	5.3E-01
62	8-VC-1076	0725	0705	5.2E-01	**2E-01**	2.4E-01
63	8-LV-1128	0755	0725	2.8E-01	8.7E-01	8.6E-01
64	8-CT-1185	0850	0755	INVALID	INVALID	INVALID
65	8-TO-1102	0945	0850	1.0E+00	**2E-01**	**1E-01**
66	8-TS-1146	6/17/06 1300	6/23/06 1700	SEE	TRIP SPIKE	RESULTS
67	8-TB-1158	6/17/06 1300	6/23/06 1700	SEE	TRIP BLANK	RESULTS

Invalid due to end canister vacuum < -5“or > -10”: Log #’s 33, 38, 40, 43, 57, 60, 64

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
68	9-UD-1162	6/26/06 0630	6/27/06 0640	INVALID	INVALID	INVALID
69	9-UD-C-1092	0640	0630	7.7E-01	2.3E+00	1.8E+00
70	9-CF-1083	0710	0700	1.3E+00	1.4E+00	1.1E+00
71	9-CF-C-1173	0715	0705	1.4E+00	1.3E+00	1.1E+00
72	9-VC-1107	0740	0725	1.9E+00	5.8E-01	5.6E-01
73	9-VC-C-1166	0745	0730	INVALID	INVALID	INVALID
74	9-LV-1139	0815	0755	9.0E-01	1.9E+00	1.8E+00
75	9-LV-C-1090	0820	0800	8.9E-01	2.0E+00	1.9E+00
76	9-CT-1135	0850	0830	INVALID	INVALID	INVALID
77	9-CT-C-1113	0855	0840	INVALID	INVALID	INVALID
78	9-TO-1170	0945	0935	INVALID	INVALID	INVALID
79	9-TO-C-1073	0950	0950	1.3E+00	1.1E+00	9.2E-01
80	10-UD-1145	6/27/06 0635	6/28/06 0620	2.7E-01	2.1E+00	1.9E+00
81	10-CF-1179	0700	0645	3.0E+00	1.4E+00	1.2E+00
82	10-VC-1108	0730	0705	6.7E-01	7.8E-01	7.0E-01
83	10-LV-1175	0800	0730	5.7E-01	1.6E+00	1.5E+00
84	10-CT-1196	0835	0800	INVALID	INVALID	INVALID
85	10-TO-1074	0940	0905	INVALID	INVALID	INVALID
86	10-TO-FS-1168	0950	0920	SEE	FIELD SPIKE	RESULTS
87	11-UD-1187	6/28/06 0625	6/29/06 0620	4.0E-01	1.9E+00	1.6E+00
88	11-CF-1161	0650	0640	1.0E+00	1.9E+00	1.6E+00
89	11-VC-1062	0710	0715	2.2E+00	3.5E+00	3.0E+00
90	11-LV-1052	0735	0755	9.9E+00	**2E+00**	**2E+00**
91	11-CT-1138	0810	0825	6.9E-01	3.9E+00	3.3E+00
92	11-TO-1125	0910	0910	2.3E-01	5.6E-01	4.7E-01
93	11-TO-C-1093	0920	0915	2.3E-01	5.3E-01	4.5E-01
94	12-UD-1177	6/29/06 0626	6/30/06 0630	8.6E-01	2.0E+00	1.8E+00
95	12-CF-1051	0645	0645	5.1E-01	1.6E+00	1.4E+00
96	12-VC-1085	0720	0705	7.3E-01	3.3E+00	2.8E+00
97	12-VC-C-1094	0730	0710	7.7E-01	3.3E+00	2.7E+00
98	12-LV-1142	0755	0730	2.3E+00	1.9E+00	1.7E+00
99	12-CT-1110	0830	0755	INVALID	INVALID	INVALID
100	12-TO-1141	0915	0845	2.9E-01	5.4E-01	4.5E-01
101	12-TO-C-1088	0920	0850	3.0E-01	5.5E-01	4.7E-01
102	12-TS-1065	6/23/06 1700	6/30/06 1730	SEE	FIELD SPIKE	RESULTS
103	12-TB-1066	6/23/06 1700	6/30/06 1730	SEE	TRIP BLANK	RESULTS

Invalid due to end canister vacuum < -5“or > -10”: Log #’s 68, 73, 76, 77, 78, 84, 85, 99

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
104	13-UD-1169	7/5/06 0630	7/6/06 0630	3.5E+00	**1E+00**	**1.1E+00**
105	13-CF-1140	0655	0700	1.7E+00	1.2E+00	1.2E+00
106	13-VC-1153	0720	0740	1.2E+00	1.7E+00	1.6E+00
107	13-LV-1122	0750	0830	6.6E+00	**8E-01**	**8E-01**
108	13-CT-1098	0830	0900	8.8E-01	2.2E+00	1.9E+00
109	13-TO-1124	0900	0930	6.6E-01	9.8E-01	7.7E-01
110	13-TO-FS-1178	0915	0945	SEE	FIELD SPIKE	RESULTS
111	14-UD-1136	7/6/06 0630	7/7/06 0620	4.2+00	**1E+00**	**1E+00**
112	14-UD-C-1086	0640	0635	4.1E+00	**9E-01**	**9E-01**
113	14-CF-1061	0710	0655	1.9E+00	1.2E+00	1.1E+00
114	14-CF-C-1112	0720	0700	1.9E+00	**1E+00**	1.0E+00
115	14-VC-1060	0740	0730	2.2E+00	1.3E+00	1.2E+00
116	14-VC-C-1134	0800	0745	2.0E+00	1.4E+00	1.4E+00
117	14-LV-1105	0830	0830	6.4E+00	2.4E+00	2.2E+00
118	14-CT-1059	0900	0900	2.1E+00	5.4E+00	4.9E+00
119	14-CT-C-1053	0900	0900	2.1E+00	5.1E+00	4.6E+00
120	14-TO-1104	0940	0940	8.9E-01	3.1E-01	2.4E-01
121	14-TO-C-1054	0945	0940	9.2E-01	3.3E-01	2.5E-01
122	15-UD-1180	7/7/06 0625	7/8/06 0615	1.2E+00	3.3E+00	2.9E+00
123	15-CF-1152	0655	0635	1.8E+00	2.3E+00	2.1E+00
124	15-VC-1176	0730	0700	2.6E+00	4.2E+00	3.9E+00
125	15-LV-1055	0830	0725	1.5E+00	2.2E+00	2.0E+00
126	15-TO-1064	0950	0815	3.8E-01	**2E-01**	**2E-01**
127	14-LV-C-1163	7/6/06 0830	7/7/06 0830	6.5E+00	**2E+00**	2.2E+00
128	16-UD-1103	7/8/06 0620	7/9/06 0615	1.1E+00	2.0E+00	1.8E+00
129	16-CF-1106	0640	0630	8.5E-01	1.5E+00	1.4E+00
130	16-VC-1185	0705	0650	5.8E-01	2.7E+00	2.7E+00
131	16-LV-1091	0725	0710	1.0E+00	5.9E-01	5.7E-01
132	16-TO-1182	0820	0750	4.0E-01	**1E-01**	**9E-02**
133	16-TB-1164	7/3/06 0900	7/9/06 1800	SEE	TRIP BLANK	RESULTS
134	16-TS-1171	7/3/06 0900	7/9/06 1800	SEE	TRIP SPIKE	RESULTS

Invalid due to end canister vacuum < -5“or > -10”: None

Flagged due to Elapsed Time < 23 hrs: Log #’s 125 (22.9 hrs), 126 (22.4 hrs)

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
135	17-TB-1165	7/7/06 1500	7/14/06 1700	SEE	TRIP BLANK	RESULTS
136	17-TS-1133	7/7/06 1500	7/14/06 1700	SEE	TRIP SPIKE	RESULTS
137	17-UD-1170	7/10/06 0547	7/11/06 0548	2.9E-01	7.8E-01	7.7E-01
138	17-UD-C-1158	0555	0555	2.9E-01	8.2E-01	7.9E-01
139	17-CF-1132	0620	0620	3.2E-01	1.8E+00	1.2E+00
140	17-CF-C-1196	0625	0630	3.2E-01	1.8E+00	1.2E+00
141	17-VC-1135	0650	0650	INVALID	INVALID	INVALID
142	17-VC-C-1111	0655	0720	1.6E-01	4.7E-01	5.2E-01
143	17-LV-1129	0725	0744	2.7E-01	**9E-02**	**1E-01**
144	17-LV-C-1087	0732	NA			
145	17-LV-C-1102	0750	0800	INVALID	INVALID	INVALID
146	17-CT-1084	0817	0828	1.7E-01	**2E-01**	2.4E-01
147	17-CT-C-1050	0822	0840	1.8E-01	**2E-01**	2.3E-01
148	17-TO-1071	0858	0912	1.4E-01	**2E-01**	**2E-01**
149	17-TO-C-1067	0904	0921	1.5-01	**2E-01**	**2E-01**
150	18-UD-1172	7/11/06 0556	7/12/06 0550	6.8E-01	9.5E-01	8.9E-01
151	18-CF-1074	0622	0615	7.1E-01	2.4E+01	2.0E+01
152	18-VC-1166	0710	0645	5.2E+00	3.4E+00	3.3E+00
153	18-LV-1097	0749	0734	6.3E-01	1.6E+00	1.7E+00
154	18-CT-1162	0830	0815	2.3E-01	3.3E-01	4.2E-01
155	18-TO-1070	0915	0850	1.6E-01	**9E-02**	**8E-02**
156	18-TO-FS-1089	0923	0850	SEE	FIELD SPIKE	RESULTS
157	19-UD-1167	7/12/06 0552	7/13/06 0550	2.5E-01	5.7E-01	6.4E-01
158	19-CF-1126	0615	7/13/06 0615	3.2E-01	1.2E+01	1.2E+01
159	19-VC-1141	0646	0646	4.4E+00	**1E+00**	**1E+00**
160	19-LV-1093	0737	0715	7.2E-01	6.8E-01	7.5E-01
161	19-CT-1125	0818	0822	4.1E-01	6.6E-01	8.5E-01
162	19-TO-1088	0855	0900	1.3E-01	**5E-02**	**6E-02**
163	20-UD-1186	7/13/06 0552	0550	6.6E-01	3.7E-01	5.1E-01
164	20-CF-1128	0617	0610	8.3E-01	4.4E+00	5.0E+00
165	20-VC-1146	0647	0630	1.8E+00	4.3E-01	5.5E-01
166	20-LV-1032	0717	0700	5.0E-01	**3E-01**	3.8E-01
167	20-CT-1181	0825	0755	2.9E-01	**2E-01**	2.7E-01
168	20-TO-1072	0904	0835	1.4E-01	*<6E-02*	**5E-02**

Invalid due to end canister vacuum < -5“or > -10”: Log #’s 141, 145,

Log # 141 not reported or counted in laboratory results report

Log # 144: Canister not used due to bad valve threads…replaced by Log # 145

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
169	21-UD-1107	7/17/06 0558	7/18/06 0558	4.1E-01	**7E-02**	**1E-01**
170	21-UD-C-1136	0558	0558	4.0E-01	**8E-02**	**1E-01**
171	21-CF-1073	0627	0621	1.9E+00	**3E-01**	4.2E-01
172	21-CF-C-1105	0627	0621	2.0E+00	**3E-01**	4.2E-01
173	21-VC-1055	0659	0646	2.9E+00	*<6E-02*	**8E-02**
174	21-VC-C-1113	0659	0646	2.9E+00	*<5E-02*	**7E-02**
175	21-LV-1122	0734	0729	3.8E-01	*<6E-02*	*<4E-02*
176	21-LV-C-1051	0734	0729	INVALID	INVALID	INVALID
177	21-CT-1149	0810	0807	3.8E-01	**7E-02**	**2E-01**
178	21-CT-C-1152	0806	0807	3.7E-01	**8E-02**	**2E-01**
179	21-TO-1185	0853	0850	5.1E-01	*<5E-02*	*<4E-02*
180	21-TO-C-1163	0853	0850	5.3E-01	*<5E-02*	*<4E-02*
181	22-UD-1134	7/18/06 0603	7/19/06 0558	7.7E-01	*<5E-02*	**7E-02**
182	22-CF-1180	0627	0615	3.5E+00	**1E-01**	2.2E-01
183	22-VC-1176	0650	0635	8.0E+00	*<6E-02*	**5E-02**
184	22-LV-1086	0733	0700	3.0E-01	*<5E-02*	*<4E-02*
185	22-CT-1142	0811	0741	3.7E-01	*<5E-02*	*<4E-02*
186	22-TO-1061	0854	0824	4.2E-01	*<6E-02*	*<4E-02*
187	22-TO-FS-1173	0854	0824	SEE	FIELD SPIKE	RESULTS
188	23-UD-1103	7/19/06 0600	7/20/06 0554	3.5E-01	*<5E-02*	*<4E-02*
189	23-CF-1060	0617	0610	1.3E+00	**7E-02**	**1E-01**
190	23-VC-1054	0937	0628	2.0E+00	*<6E-02*	**5E-02**
191	23-LV-1085	0701	0651	2.2E+00	*<5E-02*	*<4E-02*
192	23-CT-1169	0742	0716	1.8E-00	*<5E-02*	*<4E-02*
193	23-TO-1138	0826	0756	1.6E+00	*<5E-02*	*<4E-02*
194	24-UD-1187	7/20/06 0556	7/21/06 0544	1.1E-01	*<5E-02*	*<4E-02*
195	24-CF-1112	0612	0555	4.5E-01	**2E-01**	2.5E-01
196	24-VC-1140	0629	0609	4.5E+00	*<6E-02*	*<4E-02*
197	24-LV-1098	0652	0629	7.8E+00	*<5E-02*	*<4E-02*
198	24-CT-1153	0718	0652	3.9E+00	*<6E-02*	*<4E-02*
199	24-TO-1053	0757	0727	2.2E+00	*<6E-02*	*<4E-02*
200	24-TB-1110	7/14/06 1500	7/21/06 1410	SEE	TRIP BLANK	RESULTS
201	24-TS-1052	7/14/06 1500	7/21/06 1410	SEE	TRIP SPIKE	RESULTS

Invalid due to end canister vacuum < -5“or > -10”: Log # 176

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
202	25-UD-1095	7/24/06 0615	7/25/06 0615	1.7E+00	*<5E-02*	*<4E-02*
203	25-CF-1156	0635	0640	7.3E+00	*<6E-02*	**7E-02**
204	25-VC-1145	0700	0710	5.4E+00	*<5E-02*	*<4E-02*
205	25-LV-1161	0730	0740	3.1E+00	*<5E-02*	*<4E-02*
206	25-CT-1182	0800	0840	5.2E+00	*<5E-02*	*<4E-02*
207	25-TO-1050	0830	0915	2.3E+00	*<5E-02*	*<4E-02*
208	25-TO-FS-1123	0840	0915	SEE	FIELD SPIKE	RESULTS
209	26-UD-1066	7/25/06 0620	7/26/06 0605	5.7E-01	*<6E-02*	*<4E-02*
210	26-UC-C-1062	0625	0605	5.9E-01	*<6E-02*	*<4E-02*
211	26-CF-1092	0645	0625	3.7E+00	*<6E-02*	*<4E-02*
212	26-CF-C-1175	0650	0625	3.8E+00	*<6E-02*	*<4E-02*
213	26-VC-1071	0715	0645	1.3E+00	*<6E-02*	*<4E-02*
214	26-VC-C-1171	0725	0650	1.2E+00	*<6E-02*	*<4E-02*
215	26-LV-1139	0800	0710	INVALID	INVALID	INVALID
216	26-LV-C-1065	0810	0710	8.1E-01	*<6E-02*	*<4E-02*
217	26-CT-1064	0840	0745	3.0E+00	*<5E-02*	*<4E-02*
218	26-CT-C-1184	0845	0745	3.1E+00	*<6E-02*	*<4E-02*
219	26-TO-1106	0920	0815	1.7E+00	*<6E-02*	*<4E-02*
220	26-TO-C-1124	0920	0815	1.9E+00	*<6E-02*	*<4E-02*
221	27-UD-1069	7/26/06 0610	7/27/06 0605	7.2E-01	*<6E-02*	*<4E-02*
222	27-CF-1179	0630	0630	2.4E+00	*<5E-02*	*<4E-02*
223	27-VC-1090	0650	0650	3.1E+00	*<5E-02*	*<4E-02*
224	27-LV-1063	0720	0720	2.4E+00	*<6E-02*	*<4E-02*
225	27-CT-1160	0750	0755	4.8E+00	5.1E-01	5.7E-01
226	27-TO-1099	0820	0830	1.6E+00	**2E-01**	2.3E-01
227	28-UD-1091	7/27/06 0610	7/28/06 0610	1.0E+01	*<6E-02*	*<4E-02*
228	28-CF-1164	0635	0625	8.2E+00	*<6E-02*	*<4E-02*
229	28-VC-1144	0700	0635	6.5E+00	*<5E-02*	*<4E-02*
230	28-LV-1178	0720	0650	5.0E+00	*<6E-02*	*<4E-02*
231	28-LV-C-1171	0730	0650	5.2E+00	*<6E-02*	*<4E-02*
232	28-CT-1056	0800	0715	7.2E+00	*<6E-02*	**7E-02**
233	28-TO-1058	0835	0740	3.6E+00	*<6E-02*	*<4E-02*
234	28-TB-1042	7/21/06 1500	7/28/06 1700	SEE	TRIP BLANK	RESULTS
235	28-TS-1154	7/21/06 1500	7/28/06 1700	SEE	TRIP SPIKE	RESULTS
236	NOT USED					

Invalid due to end canister vacuum < -5“or > -10”: Log # 215

Flagged due to Elapsed Time < 23 hrs: Log #’s 219 (22.9 hrs), 220 (22.9 hrs)

Log # 236 assigned but no corresponding sample collected

4.0 **Results** (continued)

Table 1

Monitoring Results (continued)

Lab/Field Log Number	Sample Identification Name	Sample Start Date / Time	Sample Stop Date / Time (PST)	Lab Results (ug/m^3)		
				Methyl Bromide	cis-1,3-dichloropropene	trans-1,3-dichloropropene
237	29-UD-1170	8/2/06 0745	8/3/06 0725	9.2E+00	*<6E-02*	*<5E-02*
238	29-UD-C-1167	0755	0730	9.1E+00	*<6E-02*	*<5E-02*
239	29-CF-1083	0820	0755	3.4E+00	*<6E-02*	*<4E-02*
240	29-CF-C-1087	0830	0800	3.4E+00	*<6E-02*	*<4E-02*
241	29-VC-1125	0855	0825	1.7E+01	*<6E-02*	*<5E-02*
242	29-VC-C-1102	0905	0830	1.8E+01	*<6E-02*	*<5E-02*
243	29-LV-1137	0930	0910	2.3E+01	*<6E-02*	*<4E-02*
244	29-LV-C-1066	0940	0915	INVALID	INVALID	INVALID
245	29-CT-1101	1010	1000	2.3E+00	*<6E-02*	*<4E-02*
246	29-CT-C-1097	1015	1000	2.3E+00	*<6E-02*	*<4E-02*
247	29-TO-1172	1055	1050	1.0E+00	*<6E-02*	*<4E-02*
248	29-TO-C-1088	1100	1055	9.9E-01	*<6E-02*	*<4E-02*
249	30-UD-1067	8/3/06 0735	8/4/06 0715	9.8E+00	*<6E-02*	*<5E-02*
250	30-UD-C-1196	0740	0720	9.8E+00	*<6E-02*	*<4E-02*
251	30-CF-1158	0805	0745	3.6E+00	*<6E-02*	*<4E-02*
252	30-VC-1132	0835	0820	4.3E+00	*<6E-02*	*<5E-02*
253	30-VC-C-1128	0838	0825	4.3E+00	*<6E-02*	*<4E-02*
254	30-LV-1126	0920	0905	8.2E-01	*<6E-02*	*<4E-02*
255	30-LV-C-1076	0925	0905	8.3E-01	*<5E-02*	*<4E-02*
256	30-CT-1057	1005	1005	1.8E+00	*<6E-02*	*<4E-02*
257	30-CT-C-1089	1010	1005	1.8E+00	*<6E-02*	*<4E-02*
258	30-TO-FS-1127	1100	1115	SEE	FIELD SPIKE	RESULTS
259	30-TO-1186	1110	1125	4.1E-01	*<6E-02*	*<4E-02*
260	31-UD-1153	8/4/06 0725	8/5/06 0635	2.3E+00	*<6E-02*	*<5E-02*
261	31-UD-C-1053	0730	0640	2.2E+00	*<6E-02*	*<5E-02*
262	31-CF-1105	0750	0705	1.3E+00	*<6E-02*	*<4E-02*
263	31-VC-1135	0835	0740	3.1E+00	*<6E-02*	*<5E-02*
264	31-VC-C-1141	0840	0745	3.1E+00	*<6E-02*	*<4E-02*
265	31-LV-1181	0915	0820	1.5E+01	*<6E-02*	*<4E-02*
266	31-LV-C-1093	0920	0825	1.6E+01	*<6E-02*	*<4E-02*
267	31-TO-1140	1120	1035	8.5E-01	*<6E-02*	*<4E-02*
268	32-UD-1130	8/5/06 0645	8/6/06 0655	3.8E+00	*<6E-02*	*<4E-02*
269	32-UD-C-1085	0650	0700	INVALID	INVALID	INVALID
270	32-CF-1055	0710	0715	1.6E+00	*<5E-02*	*<4E-02*
271	32-VC-1180	0745	0735	4.5E+00	*<6E-02*	*<4E-02*
272	32-LV-1168	0825	0810	6.9E+00	*<6E-02*	*<5E-02*
273	32-LV-C-1111	0835	0800	7.2E+00	*<6E-02*	*<4E-02*
274	32—TO-1165	1040	1000	1.1E+00	*<6E-02*	*<4E-02*
275	32-TS-1151	8/1/06 0900	8/6/06 1730	SEE	TRIP SPIKE	RESULTS
276	32-TB-1104	8/1/06 0900	8/6/06 1730	SEE	TRIP BLANK	RESULTS

Invalid due to end canister vacuum < -5“or > -10”: Log #’s 244, 269

Table 2

Monitoring Results by Site

					Methyl Bromide		Cis-Telone		Trans-Telone	
Site	Log Number	Sample Identification	Date Received	Date Analyzed	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution
CF	2	1-CF-1166	6/19/2006		INVALID		INVALID		INVALID	
	8	2-CF-1142	6/19/2006	6/19/2006	1.10E+00	1.74	3.00E-01	1.74	4.00E-01	1.74
	9	2-CF-C-1082	6/19/2006	6/19/2006	1.10E+00	1.7	3.00E-01	1.7	4.20E-01	1.7
	20	3-CF-1171	6/19/2006	6/21/2006	2.10E+00	7.14	2.80E+00	7.14	2.90E+00	7.14
	27	4-CF-1138	6/19/2006	6/20/2006	7.10E-01	1.78	6.50E-01	1.78	8.00E-01	1.78
	35	5-CF-1182	6/26/2006	6/27/2006	1.60E+00	3.39	2.80E-01	1.69	2.80E-01	1.69
	36	5-CF-C-1165	6/26/2006	6/27/2006	1.60E+00	3.42	2.80E-01	1.71	3.00E-01	1.71
	46	6-CF-1126	6/26/2006	6/27/2006	1.30E+00	3.26	3.20E-01	1.63	3.30E-01	1.63
	52	7-CF-1084	6/26/2006	6/26/2006	2.00E+00	6.91	9.00E-01	6.91	8.60E-01	6.91
	61	8-CF-1137	6/26/2006	6/27/2006	1.10E+00	1.78	5.40E-01	1.78	5.30E-01	1.78
	70	9-CF-1083	7/3/2006	7/7/2006	1.30E+00	3.56	1.40E+00	3.56	1.10E+00	3.56
	71	9-CF-C-1173	7/3/2006	7/7/2006	1.40E+00	3.52	1.30E+00	3.52	1.10E+00	3.52
	81	10-CF-1179	7/3/2006	7/7/2006	3.00E+00	7.09	1.40E+00	7.09	1.20E+00	7.09
	88	11-CF-1161	7/3/2006	7/7/2006	1.00E+00	1.84	1.90E+00	7.37	1.60E+00	7.37
	95	12-CF-1051	7/3/2006	7/7/2006	5.10E-01	1.79	1.60E+00	3.58	1.40E+00	3.58
	105	13-CF-1140	7/10/2006	7/12/2006	1.70E+00	3.78	1.20E+00	3.78	1.20E+00	3.78
	113	14-CF-1061	7/10/2006	7/12/2006	1.90E+00	7.06	1.20E+00	7.06	1.10E+00	7.06
	114	14-CF-C-1112	7/10/2006	7/12/2006	1.90E+00	7.61	1.00E+00	7.61	1.00E+00	7.61
	123	15-CF-1152	7/10/2006	7/12/2006	1.80E+00	7.08	2.30E+00	7.08	2.10E+00	7.08
	129	16-CF-1106	7/10/2006	7/11/2006	8.50E-01	1.72	1.50E+00	6.86	1.40E+00	6.86
	139	17-CF-1132	7/17/2006	7/18/2006	3.20E-01	1.81	1.80E+00	7.25	1.20E+00	7.25
	140	17-CF-C-1196	7/17/2006	7/18/2006	3.20E-01	1.88	1.80E+00	7.52	1.20E+00	7.52
	151	18-CF-1074	7/17/2006	7/19/2006	7.10E-01	1.8	2.40E+01	114	2.00E+01	114
	158	19-CF-1126	7/17/2006	7/18/2006	3.20E-01	1.7	1.20E+01	45.46	1.20E+01	45.46
	164	20-CF-1128	7/17/2006	7/18/2006	8.30E-01	1.75	4.40E+00	28.01	5.00E+00	28.01
	171	21-CF-1073	7/24/2006	7/26/2006	1.90E+00	7.22	3.00E-01	1.81	4.20E-01	1.81
	172	21-CF-C-1105	7/24/2006	7/26/2006	2.00E+00	7.32	3.00E-01	1.83	4.20E-01	1.83
	182	22-CF-1180	7/24/2006	7/26/2006	3.50E+00	7.09	1.00E-01	1.77	2.20E-01	1.77
	189	23-CF-1060	7/24/2006	7/26/2006	1.30E+00	3.55	7.00E-02	1.77	1.00E-01	1.77
	195	24-CF-1112	7/24/2006	7/25/2006	4.50E-01	1.77	2.00E-01	1.77	2.50E-01	1.77
	203	25-CF-1156	7/31/2006	8/1/2006	7.30E+00	14.6	<6E-02	1.82	7.00E-02	1.82
	211	26-CF-1092	7/31/2006	8/2/2006	3.70E+00	7.25	<6E-02	1.81	<4E-02	1.81
	212	26-CF-C-1175	7/31/2006	8/2/2006	3.80E+00	7.22	<6E-02	1.8	<4E-02	1.8
	222	27-CF-1179	7/31/2006	8/2/2006	2.40E+00	6.51	<5E-02	1.63	<4E-02	1.63
	228	28-CF-1164	7/31/2006	8/3/2006	8.20E+00	14.63	<6E-02	1.83	<4E-02	1.83
	239	29-CF-1083	8/7/2006	8/18/2006	3.40E+00	7.19	<6E-02	1.8	<4E-02	1.8
	240	29-CF-C-1087	8/7/2006	8/18/2006	3.40E+00	7.53	<6E-02	1.88	<4E-02	1.88
	251	30-CF-1158	8/7/2006	8/18/2006	3.60E+00	7.31	<6E-02	1.83	<4E-02	1.83
	262	31-CF-1105	8/7/2006	8/18/2006	1.30E+00	3.63	<6E-02	1.81	<4E-02	1.81
	270	32-CF-1055	8/7/2006	8/18/2006	1.60E+00	3.49	<5E-02	1.74	<4E-02	1.74

Table 2

Monitoring Results by Site

					Methyl Bromide		Cis-Telone		Trans-Telone	
Site	Log Number	Sample Identification	Date Received	Date Analyzed	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution
CT	4	1-CT-1113	6/19/2006	6/19/2006	4.50E-01	1.75	4.60E-01	1.75	5.60E-01	1.75
	15	2-CT-1066	6/19/2006	6/19/2006	5.20E-01	1.81	9.00E-02	1.81	1.00E-01	1.81
	16	2-CT-C-1124	6/19/2006	6/19/2006	5.00E-01	1.81	8.00E-02	1.81	1.00E-01	1.81
	23	3-CT-1067	6/19/2006	6/21/2006	1.90E+00	3.71	1.10E+00	3.71	1.30E+00	3.71
	30	4-CT-1064	6/19/2006		INVALID		INVALID		INVALID	
	41	5-CT-1089	6/26/2006	6/26/2006	3.60E-01	1.96	3.50E-01	1.96	3.60E-01	1.96
	42	5-CT-C-1186	6/26/2006	6/26/2006	3.80E-01	1.83	3.80E-01	1.83	3.90E-01	1.83
	49	6-CT-1061	6/26/2006	6/26/2006	4.80E-01	1.91	5.10E-01	1.91	4.90E-01	1.91
	56	7-CT-1153	6/26/2006	6/27/2006	8.30E-01	1.88	3.40E-01	1.88	3.30E-01	1.88
	57	7-CT-C-1133	6/26/2006		INVALID		INVALID		INVALID	
	64	8-CT-1185	6/26/2006		INVALID		INVALID		INVALID	
	76	9-CT-1135	7/3/2006		INVALID		INVALID		INVALID	
	77	9-CT-C-1113	7/3/2006		INVALID		INVALID		INVALID	
	84	10-CT-1196	7/3/2006		INVALID		INVALID		INVALID	
	91	11-CT-1138	7/3/2006	7/8/2006	6.90E-01	2.05	3.90E+00	16.43	3.30E+00	16.43
	99	12-CT-1110	7/3/2006	7/8/2006	INVALID		INVALID		INVALID	
	108	13-CT-1098	7/10/2006	7/12/2006	8.80E-01	2.01	2.20E+00	8.06	1.90E+00	8.06
	118	14-CT-1059	7/10/2006	7/12/2006	2.10E+00	28.01	5.40E+00	28.01	4.90E+00	28.01
	119	14-CT-C-1053	7/10/2006	7/12/2006	2.10E+00	29.21	5.10E+00	29.21	4.60E+00	29.21
	146	17-CT-1084	7/17/2006	7/17/2006	1.70E-01	1.69	2.00E-01	1.69	2.40E-01	1.69
	147	17-CT-C-1050	7/17/2006	7/17/2006	1.80E-01	1.94	2.00E-01	1.94	2.30E-01	1.94
	154	18-CT-1162	7/17/2006	7/17/2006	2.30E-01	1.74	3.30E-01	1.74	4.20E-01	1.74
	161	19-CT-1125	7/17/2006	7/19/2006	4.10E-01	1.73	6.60E-01	1.73	8.50E-01	3.47
	167	20-CT-1181	7/17/2006	7/18/2006	2.90E-01	1.66	2.00E-01	1.66	2.70E-01	1.66
	177	21-CT-1149	7/24/2006	7/24/2006	3.80E-01	1.83	7.00E-02	1.83	2.00E-01	1.83
	178	21-CT-C-1152	7/24/2006	7/24/2006	3.70E-01	1.74	8.00E-02	1.74	2.00E-01	1.74
	185	22-CT-1142	7/24/2006	7/25/2006	3.70E-01	1.7	<5E-02	1.7	<4E-02	1.7
	192	23-CT-1169	7/24/2006	7/25/2006	1.80E+00	6.79	<5E-02	1.7	<4E-02	1.7
	198	24-CT-1153	7/24/2006	7/26/2006	3.90E+00	7.22	<6E-02	1.81	<4E-02	1.81
	206	25-CT-1182	7/31/2006	8/2/2006	5.20E+00	13	<5E-02	1.63	<4E-02	1.63
	217	26-CT-1064	7/31/2006	8/2/2006	3.00E+00	6.96	<5E-02	1.74	<4E-02	1.74
	218	26-CT-C-1184	7/31/2006	8/2/2006	3.10E+00	7.29	<6E-02	1.82	<4E-02	1.82
	225	27-CT-1160	7/31/2006	8/2/2006	4.80E+00	13.27	5.10E-01	1.66	5.70E-01	1.66
	232	28-CT-1056	7/31/2006	8/3/2006	7.20E+00	14.92	<6E-02	1.86	7.00E-02	1.86
	245	29-CT-1101	8/7/2006	8/18/2006	2.30E+00	3.65	<6E-02	1.83	<4E-02	1.83
	246	29-CT-C-1097	8/7/2006	8/18/2006	2.30E+00	3.62	<6E-02	1.81	<4E-02	1.81
	256	30-CT-1057	8/7/2006	8/18/2006	1.80E+00	3.58	<6E-02	1.79	<4E-02	1.79
	257	30-CT-C-1089	8/7/2006	8/18/2006	1.80E+00	3.61	<6E-02	1.81	<4E-02	1.81

Table 2

Monitoring Results by Site

					Methyl Bromide		Cis-Telone		Trans-Telone	
Site	Log Number	Sample Identification	Date Received	Date Analyzed	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution
LV	13	2-LV-1178	6/19/2006	6/21/2006	2.30E+00	3.5	3.60E-01	1.75	5.50E-01	1.75
	14	2-LV-C-1051	6/19/2006		INVALID		INVALID		INVALID	
	22	3-LV-1144	6/19/2006	6/21/2006	1.30E+00	6.98	1.30E+00	6.98	1.50E+00	6.98
	29	4-LV-1122	6/19/2006	6/20/2006	3.20E-01	1.74	2.10E-01	1.74	2.80E-01	1.74
	39	5-LV-1097	6/26/2006	6/27/2006	4.30E-01	1.69	8.20E-01	3.38	7.90E-01	3.38
	40	5-LV-C-1180	6/26/2006		INVALID		INVALID		INVALID	
	48	6-LV-1111	6/26/2006	6/27/2006	6.30E-01	1.73	1.70E+00	6.92	1.50E+00	6.92
	54	7-LV-1099	6/26/2006	6/26/2006	7.00E-01	1.68	3.70E-01	1.68	3.70E-01	1.68
	55	7-LV-C-1058	6/26/2006	6/27/2006	7.10E-01	1.65	3.80E-01	1.65	3.90E-01	1.65
	63	8-LV-1128	6/26/2006	6/28/2006	2.80E-01	1.78	8.70E-01	3.56	8.60E-01	3.56
	74	9-LV-1139	7/3/2006	7/7/2006	9.00E-01	1.73	1.90E+00	6.92	1.80E+00	6.92
	75	9-LV-C-1090	7/3/2006	7/7/2006	8.90E-01	1.62	2.00E+00	6.49	1.90E+00	6.49
	83	10-LV-1175	7/3/2006	7/7/2006	5.70E-01	1.77	1.60E+00	7.07	1.50E+00	7.07
	90	11-LV-1052	7/3/2006	7/7/2006	9.90E+00	27.18	2.00E+00	27.18	2.00E+00	27.18
	98	12-LV-1142	7/3/2006	7/8/2006	2.30E+00	7.16	1.90E+00	7.16	1.70E+00	7.16
	107	13-LV-1122	7/10/2006	7/12/2006	6.60E+00	15.32	8.00E-01	15.32	8.00E-01	15.32
	117	14-LV-1105	7/10/2006	7/12/2006	6.40E+00	14.93	2.40E+00	14.93	2.20E+00	14.93
	125	15-LV-1055	7/10/2006	7/12/2006	1.50E+00	7.46	2.20E+00	7.46	2.00E+00	7.46
	127	14-LV-C-1163	7/10/2006	7/12/2006	6.50E+00	15.38	2.00E+00	15.38	2.20E+00	15.38
	131	16-LV-1091	7/10/2006	7/11/2006	1.00E+00	1.9	5.90E-01	1.9	5.70E-01	1.9
	143	17-LV-1129	7/17/2006	7/17/2006	2.70E-01	1.85	9.00E-02	1.85	1.00E-01	1.85
	144	17-LV-C-1087			INVALID		INVALID		INVALID	
	145	17-LV-C-1102	7/17/2006		INVALID		INVALID		INVALID	
	153	18-LV-1097	7/17/2006	7/18/2006	6.30E-01	1.84	1.60E+00	7.35	1.70E+00	7.35
	160	19-LV-1093	7/17/2006	7/18/2006	7.20E-01	1.8	6.80E-01	1.8	7.50E-01	1.8
	166	20-LV-1082	7/17/2006	7/18/2006	5.00E-01	1.92	3.00E-01	1.92	3.80E-01	1.92
	175	21-LV-1122	7/24/2006	7/24/2006	3.80E-01	1.83	<6E-02	1.83	<4E-02	1.83
	176	21-LV-C-1051	7/24/2006		INVALID		INVALID		INVALID	
	184	22-LV-1086	7/24/2006	7/24/2006	3.00E-01	1.7	<5E-02	1.7	<4E-02	1.7
	191	23-LV-1085	7/24/2006	7/26/2006	2.20E+00	6.64	<5E-02	1.66	<4E-02	1.66
	197	24-LV-1098	7/24/2006	7/26/2006	7.80E+00	13.87	<5E-02	1.73	<4E-02	1.73
	205	25-LV-1161	7/31/2006	8/2/2006	3.10E+00	6.94	<5E-02	1.73	<4E-02	1.73
	215	26-LV-1139	7/31/2006	INVALID	INVALID		INVALID		INVALID	
	216	26-LV-C-1065	7/31/2006	7/31/2006	8.10E-01	1.8	<6E-02	1.8	<4E-02	1.8
	224	27-LV-1063	7/31/2006	8/2/2006	2.40E+00	7.56	<6E-02	1.89	<4E-02	1.89
	230	28-LV-1178	7/31/2006	8/3/2006	5.00E+00	14.92	<6E-02	1.86	<4E-02	1.86
	231	28-LV-C-1171	7/31/2006	8/3/2006	5.20E+00	15.33	<6E-02	1.92	<4E-02	1.92
	243	29-LV-1137	8/7/2006	8/18/2006	2.30E+01	50.41	<6E-02	1.89	<4E-02	1.89
	244	29-LV-C-1066	8/7/2006		INVALID		INVALID		INVALID	
	254	30-LV-1126	8/7/2006	8/15/2006	8.20E-01	1.85	<6E-02	1.85	<4E-02	1.85
	255	30-LV-C-1076	8/7/2006	8/15/2006	8.30E-01	1.76	<5E-02	1.76	<4E-02	1.76
	265	31-LV-1181	8/7/2006	8/17/2006	1.50E+01	30.69	<6E-02	1.92	<4E-02	1.92
	266	31-LV-C-1093	8/7/2006	8/17/2006	1.60E+01	28.95	<6E-02	1.81	<4E-02	1.81
	272	32-LV-1168	8/7/2006	8/17/2006	6.90E+00	15.65	<6E-02	1.96	<5E-02	1.96
	273	32-LV-C-1111	8/7/2006	8/18/2006	7.20E+00	15.16	<6E-02	1.89	<4E-02	1.89

Table 2

Monitoring Results by Site

					Methyl Bromide		Cis-Telone		Trans-Telone	
	Log	Sample	Date	Date	Results		Results		Results	
Site	Number	Identification	Received	Analyzed	(µg/m3)	Dilution	(µg/m3)	Dilution	(µg/m3)	Dilution
TO	5	1-TO-1053	6/19/2006		INVALID		INVALID		INVALID	
	17	2-TO-1196	6/19/2006	6/19/2006	2.40E-01	1.77	<5.E-02	1.77	<4.E-02	1.77
	18	2-TO-C-1104	6/19/2006	6/19/2006	2.40E-01	1.72	<5.E-02	1.72	<4.E-02	1.72
	24	3-TO-1103	6/19/2006	6/20/2006	3.70E-01	1.78	2.00E-01	1.78	2.00E-01	1.78
	32	4-TO-1055	6/19/2006	6/20/2006	2.90E-01	1.83	2.00E-01	1.83	2.00E-01	1.83
	43	5-TO-1091	6/26/2006		INVALID		INVALID		INVALID	
	44	5-TO-C-1172	6/26/2006	6/26/2006	3.60E-01	1.79	2.00E-01	1.79	2.20E-01	1.79
	50	6-TO-1086	6/26/2006	6/26/2006	4.50E-01	1.69	2.80E-01	1.69	2.40E-01	1.69
	58	7-TO-1056	6/26/2006	6/27/2006	8.90E-01	1.7	4.60E-01	1.7	4.30E-01	1.7
	65	8-TO-1102	6/26/2006	6/27/2006	1.00E+00	1.59	2.00E-01	1.59	1.00E-01	1.59
	78	9-TO-1170	7/3/2006		INVALID		INVALID		INVALID	
	79	9-TO-C-1073	7/3/2006	7/7/2006	1.30E+00	3.5	1.10E+00	3.5	9.20E-01	3.5
	85	10-TO-1074	7/3/2006		INVALID		INVALID		INVALID	
	92	11-TO-1125	7/3/2006	7/7/2006	2.30E-01	1.8	5.60E-01	1.8	4.70E-01	1.8
	93	11-TO-C-1093	7/3/2006	7/7/2006	2.30E-01	1.69	5.30E-01	1.69	4.50E-01	1.69
	100	12-TO-1141	7/3/2006	7/7/2006	2.90E-01	1.83	5.40E-01	1.83	4.50E-01	1.83
	101	12-TO-C-1088	7/3/2006	7/7/2006	3.00E-01	1.85	5.50E-01	1.85	4.70E-01	1.85
	109	13-TO-1124	7/10/2006	7/12/2006	6.60E-01	1.9	9.80E-01	3.8	7.70E-01	3.8
	120	14-TO-1104	7/10/2006	7/11/2006	8.90E-01	1.71	3.10E-01	1.71	2.40E-01	1.71
	121	14-TO-C-1054	7/10/2006	7/11/2006	9.20E-01	1.81	3.30E-01	1.81	2.50E-01	1.81
	126	15-TO-1064	7/10/2006	7/11/2006	3.80E-01	1.85	2.00E-01	1.85	2.00E-01	1.85
	132	16-TO-1182	7/10/2006	7/11/2006	4.00E-01	1.74	1.00E-01	1.74	9.00E-02	1.74
	148	17-TO-1071	7/17/2006	7/17/2006	1.40E-01	1.93	2.00E-01	1.93	2.00E-01	1.93
	149	17-TO-C-1067	7/17/2006	7/17/2006	1.50E-01	1.78	2.00E-01	1.78	2.00E-01	1.78
	155	18-TO-1070	7/17/2006	7/17/2006	1.60E-01	1.73	9.00E-02	1.73	8.00E-02	1.73
	162	19-TO-1088	7/17/2006	7/18/2006	1.30E-01	1.71	5.00E-02	1.71	6.00E-02	1.71
	168	20-TO-1072	7/17/2006	7/18/2006	1.40E-01	1.82	<6E-02	1.82	5.00E-02	1.82
	179	21-TO-1185	7/24/2006	7/24/2006	5.10E-01	1.76	<5E-02	1.76	<4E-02	1.76
	180	21-TO-C-1163	7/24/2006	7/24/2006	5.30E-01	1.75	<5E-02	1.75	<4E-02	1.75
	186	22-TO-1061	7/24/2006	7/25/2006	4.20E-01	1.79	<6E-02	1.79	<4E-02	1.79
	193	23-TO-1138	7/24/2006	7/26/2006	1.60E+00	3.47	<5E-02	1.73	<4E-02	1.73
	199	24-TO-1053	7/24/2006	7/26/2006	2.20E+00	7.1	<6E-02	1.77	<4E-02	1.77
	207	25-TO-1050	7/31/2006	8/2/2006	2.30E+00	6.65	<5E-02	1.66	<4E-02	1.66
	219	26-TO-1106	7/31/2006	8/11/2006	1.70E+00	3.61	<6E-02	1.81	<4E-02	1.81
	220	26-TO-C-1124	7/31/2006	8/11/2006	1.90E+00	3.82	<6E-02	1.91	<4E-02	1.91
	226	27-TO-1099	7/31/2006	8/2/2006	1.60E+00	3.42	2.00E-01	1.71	2.30E-01	1.71
	233	28-TO-1058	7/31/2006	8/2/2006	3.60E+00	7.39	<6E-02	1.85	<4E-02	1.85
	247	29-TO-1172	8/7/2006	8/15/2006	1.00E+00	1.94	<6E-02	1.94	<4E-02	1.94
	248	29-TO-C-1088	8/7/2006	8/15/2006	9.90E-01	1.99	<6E-02	1.99	<5E-02	1.99
	259	30-TO-1186	8/7/2006	8/15/2006	4.10E-01	1.91	<6E-02	1.91	<4E-02	1.91
	267	31-TO-1140	8/7/2006	8/16/2006	8.50E-01	1.9	<6E-02	1.9	<4E-02	1.9
	274	32-TO-1165	8/7/2006	8/16/2006	1.10E+00	1.85	<6E-02	1.85	<4E-02	1.85

Table 2

Monitoring Results by Site

Site	Log Number	Sample Identification	Date Received	Date Analyzed	Methyl Bromide Results (µg/m3)	Dilution	Cis-Telone Results (µg/m3)	Dilution	Trans-Telone Results (µg/m3)	Dilution
UD	1	1-UD-1177			INVALID		INVALID		INVALID	
	7	2-UD-C-1141	6/19/2006	6/19/2006	2.50E+00	6.44	3.10E-01	1.61	4.00E-01	1.61
	19	3-UD-1169	6/19/2006	6/20/2006	3.00E+00	14.69	5.10E+00	14.69	5.30E+00	14.69
	26	4-UD-1060	6/19/2006	6/22/2006	2.00E+00	3.69	1.80E+00	7.38	1.90E+00	7.38
	33	5-UD-1164	6/26/2006		INVALID		INVALID		INVALID	
	34	5-UD-C-1181	6/26/2006	6/27/2006	2.50E+00	7.25	5.50E-01	1.81	5.60E-01	1.81
	45	6-UD-1167	6/26/2006	6/26/2006	1.00E+00	1.68	2.90E-01	1.68	3.00E-01	1.68
	51	7-UD-1063	6/26/2006	6/26/2006	1.40E+00	1.79	4.10E-01	1.79	4.30E-01	1.79
	60	8-UD-1054	6/26/2006		INVALID		INVALID		INVALID	
	68	9-UD-1162	6/26/2006		INVALID		INVALID		INVALID	
	69	9-UD-C-1092	7/3/2006	7/7/2006	7.70E-01	1.83	2.30E+00	7.34	1.80E+00	7.34
	80	10-UD-1145	7/3/2006	7/7/2006	2.70E-01	1.78	2.10E+00	7.13	1.90E+00	7.13
	87	11-UD-1187	7/3/2006	7/7/2006	4.00E-01	1.75	1.90E+00	7.01	1.60E+00	7.01
	94	12-UD-1177	7/3/2006	7/11/2006	8.60E-01	1.84	2.00E+00	7.36	1.80E+00	7.36
	104	13-UD-1169	7/10/2006	7/12/2006	3.50E+00	7.67	1.00E+00	7.67	1.10E+00	7.67
	111	14-UD-1136	7/10/2006	7/12/2006	4.20E+00	14.89	1.00E+00	14.89	1.00E+00	14.89
	112	14-UD-C-1086	7/10/2006	7/12/2006	4.10E+00	15.08	9.00E-01	15.08	9.00E-01	15.08
	122	15-UD-1180	7/10/2006	7/12/2006	1.20E+00	13.85	3.30E+00	13.85	2.90E+00	13.85
	128	16-UD-1103	7/10/2006	7/12/2006	1.10E+00	1.83	2.00E+00	7.3	1.80E+00	7.3
	137	17-UD-1170	7/17/2006	7/17/2006	2.90E-01	1.85	7.80E-01	1.85	7.70E-01	1.85
	138	17-UD-C-1158	7/17/2006	7/17/2006	2.90E-01	1.84	8.20E-01	1.84	7.90E-01	1.84
	150	18-UD-1172	7/17/2006	7/19/2006	6.80E-01	1.74	9.50E-01	3.48	8.90E-01	3.48
	157	19-UD-1167	7/17/2006	7/18/2006	2.50E-01	1.82	5.70E-01	1.82	6.40E-01	1.82
	163	20-UD-1186	7/17/2006	7/18/2006	6.60E-01	1.75	3.70E-01	1.75	5.10E-01	1.75
	169	21-UD-1107	7/24/2006	7/24/2006	4.10E-01	1.85	7.00E-02	1.85	1.00E-01	1.85
	170	21-UD-C-1136	7/24/2006	7/24/2006	4.00E-01	1.82	8.00E-02	1.82	1.00E-01	1.82
	181	22-UD-1134	7/24/2006	7/24/2006	7.70E-01	1.73	<5E-02	1.73	7.00E-02	1.73
	188	23-UD-1103	7/24/2006	7/25/2006	3.50E-01	1.74	<5E-02	1.74	<4E-02	1.74
	194	24-UD-1187	7/24/2006	7/25/2006	1.10E-01	1.73	<5E-02	1.73	<4E-02	1.73
	202	25-UD-1095	7/31/2006	8/2/2006	1.70E+00	3.52	<5E-02	1.76	<4E-02	1.76
	209	26-UD-1066	7/31/2006	7/31/2006	5.70E-01	1.8	<6E-02	1.8	<4E-02	1.8
	210	26-UD-C-1062	7/31/2006	7/31/2006	5.90E-01	1.85	<6E-02	1.85	<4E-02	1.85
	221	27-UD-1069	7/31/2006	8/1/2006	7.20E-01	1.79	<6E-02	1.79	<4E-02	1.79
	227	28-UD-1091	7/31/2006	8/2/2006	1.00E+01	28.71	<6E-02	1.79	<4E-02	1.79
	237	29-UD-1170	8/7/2006	8/17/2006	9.20E+00	15.57	<6E-02	1.95	<5E-02	1.95
	238	29-UD-C-1167	8/7/2006	8/17/2006	9.10E+00	14.88	<6E-02	1.86	<4E-02	1.86
	249	30-UD-1067	8/7/2006	8/17/2006	9.80E+00	15.73	<6E-02	1.97	<5E-02	1.97
	250	30-UD-C-1196	8/7/2006	8/17/2006	9.80E+00	15.35	<6E-02	1.92	<4E-02	1.92
	260	31-UD-1153	8/7/2006	8/18/2006	2.30E+00	3.91	<6E-02	1.96	<5E-02	1.96
	261	31-UD-C-1053	8/7/2006	8/18/2006	2.20E+00	3.89	<6E-02	1.95	<5E-02	1.95
	268	32-UD-1130	8/7/2006	8/18/2006	3.80E+00	7.49	<6E-02	1.87	<4E-02	1.87
	269	32-UD-C-1085	8/7/2006		INVALID		INVALID		INVALID	

Table 2

Monitoring Results by Site

					Methyl Bromide		Cis-Telone		Trans-Telone	
Site	Log Number	Sample Identification	Date Received	Date Analyzed	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution	Results (µg/m3)	Dilution
VC	3	1-VC-1163	6/19/2006	6/20/2006	4.8E+00	13.11	1E+00	13.11	1E+00	13.11
	11	2-VC-1050	6/19/2006	6/21/2006	1.60E+00	3.72	4.00E-01	1.86	5.50E-01	1.86
	12	2-VC-C-1071	6/19/2006	6/21/2006	1.70E+00	4.01	4.00E-01	2	5.60E-01	2
	21	3-VC-1106	6/19/2006	6/21/2006	2.70E+00	7.46	1.40E+00	7.46	1.60E+00	7.46
	28	4-VC-1140	6/19/2006	6/20/2006	4.60E-01	1.91	5.60E-01	1.91	7.20E-01	1.91
	37	5-VC-1070	6/26/2006	6/26/2006	9.70E-01	1.83	4.20E-01	1.83	4.60E-01	1.83
	38	5-VC-C-1105	6/26/2006		INVALID		INVALID		INVALID	
	47	6-VC-1136	6/26/2006	6/26/2006	6.60E-01	1.74	4.20E-01	1.74	4.30E-01	1.74
	53	7-VC-1098	6/26/2006	6/26/2006	8.30E-01	1.75	5.00E-01	1.75	4.90E-01	1.75
	62	8-VC-1076	6/26/2006	6/27/2006	5.20E-01	1.88	2.00E-01	1.88	2.40E-01	1.88
	72	9-VC-1107	7/3/2006	7/7/2006	1.90E+00	3.6	5.80E-01	1.8	5.60E-01	1.8
	73	9-VC-C-1166	7/3/2006		INVALID		INVALID		INVALID	
	82	10-VC-1108	7/3/2006	7/7/2006	6.70E-01	1.86	7.80E-01	1.86	7.00E-01	1.86
	89	11-VC-1062	7/3/2006	7/7/2006	2.20E+00	14.94	3.50E+00	14.94	3.00E+00	14.94
	96	12-VC-1085	7/3/2006	7/7/2006	7.30E-01	1.87	3.30E+00	14.96	2.80E+00	14.96
	97	12-VC-C-1094	7/3/2006	7/7/2006	7.70E-01	1.81	3.30E+00	14.5	2.70E+00	14.5
	106	13-VC-1153	7/10/2006	7/12/2006	1.20E+00	6.92	1.70E+00	6.92	1.60E+00	6.92
	115	14-VC-1060	7/10/2006	7/12/2006	2.20E+00	7.27	1.30E+00	7.27	1.20E+00	7.27
	116	14-VC-C-1134	7/10/2006	7/12/2006	2.00E+00	7.86	1.40E+00	7.86	1.40E+00	7.86
	124	15-VC-1176	7/10/2006	7/12/2006	2.60E+00	14.69	4.20E+00	14.69	3.90E+00	14.69
	130	16-VC-1185	7/10/2006	7/12/2006	5.80E-01	1.8	2.70E+00	14.42	2.70E+00	14.42
	141	17-VC-1135	7/17/2006		INVALID		INVALID		INVALID	
	142	17-VC-C-1111	7/17/2006	7/17/2006	1.60E-01	1.87	4.70E-01	1.87	5.20E-01	1.87
	152	18-VC-1066	7/17/2006	7/18/2006	5.20E+00	14.24	3.40E+00	14.24	3.30E+00	14.24
	159	19-VC-1141	7/17/2006	7/19/2006	4.40E+00	14	1.00E+00	14	1.00E+00	14
	165	20-VC-1146	7/17/2006	7/19/2006	1.80E+00	3.59	4.30E-01	1.8	5.50E-01	1.8
	173	21-VC-1055	7/24/2006	7/26/2006	2.90E+00	7.93	<6E-02	1.98	8.00E-02	1.98
	174	21-VC-C-1113	7/24/2006	7/26/2006	2.90E+00	6.99	<5E-02	1.75	7.00E-02	1.75
	183	22-VC-1176	7/24/2006	7/26/2006	8.00E+00	14.57	<6E-02	1.82	5.00E-02	1.82
	190	23-VC-1054	7/24/2006	7/26/2006	2.00E+00	7.18	<6E-02	1.79	5.00E-02	1.79
	196	24-VC-1140	7/24/2006	7/26/2006	4.50E+00	7.15	<6E-02	1.79	<4E-02	1.79
	204	25-VC-1145	7/31/2006	8/1/2006	5.40E+00	14.12	<5E-02	1.76	<4E-02	1.76
	213	26-VC-1071	7/31/2006	8/2/2006	1.30E+00	3.76	<6E-02	1.88	<4E-02	1.88
	214	26-VC-C-1177	7/31/2006	7/31/2006	1.20E+00	1.93	<6E-02	1.93	<4E-02	1.93
	223	27-VC-1090	7/31/2006	8/2/2006	3.10E+00	7.08	<5E-02	1.77	<4E-02	1.77
	229	28-VC-1144	7/31/2006	8/1/2006	6.50E+00	13.64	<5E-02	1.7	<4E-02	1.7
	241	29-VC-1125	8/7/2006	8/17/2006	1.70E+01	32.05	<6E-02	2	<5E-02	2
	242	29-VC-C-1102	8/7/2006	8/17/2006	1.80E+01	31.13	<6E-02	1.95	<5E-02	1.95
	252	30-VC-1132	8/7/2006	8/18/2006	4.30E+00	7.86	<6E-02	1.96	<5E-02	1.96
	253	30-VC-C-1128	8/7/2006	8/18/2006	4.30E+00	7.35	<6E-02	1.84	<4E-02	1.84
	263	31-VC-1135	8/7/2006	8/18/2006	3.10E+00	8.01	<6E-02	2	<5E-02	2
	264	31-VC-C-1141	8/7/2006	8/18/2006	3.10E+00	7.39	<6E-02	1.85	<4E-02	1.85
	271	32-VC-1180	8/7/2006	8/18/2006	4.50E+00	7.12	<6E-02	1.78	<4E-02	1.78

5.0 Quality Control Results

Quality Control (QC) samples collected from the field consisted of 62 collocated canister pairs, 8 Field Spikes, 8 Trip Spikes, and 8 Trip Blanks. The following bullets summarize the QC results for these samples as well as providing some results from the 2005 study for comparison. For more detailed information, see **Table 2,** "Collocated QC Results" and **Appendix C** of the Laboratory Results Report which contains laboratory QC results.

- Collocated sample results and their **R**elative **P**ercent **D**ifferences, a-b ÷ [(a+b) ÷2] x 100 = **RPD**, for primary and collocated sample pairs are presented in **Table 2** of this report.

- For methyl bromide, of 47 valid collocated pairs, the **RPD** ranged from 0.00 to 11.11% with an overall average of 2.94%. In 2005, this average was 28.7%.

- For cis-1,3-dichloropropene, of 25 valid collocated pairs, the **RPD** ranged from 0.0 to 18.18% with an overall average of 5.77%. In 2005, this average was 17.9%.

- For trans-1,3-dichloropropene, of 26 valid collocated pairs, the **RPD** ranged from 0.00 to 13.33% with an overall average of 15.38%. In 2005, this average was 24.1%.

- For methyl bromide, field spike recovery rates ranged from 92% to 153% with an overall average of 119%. In 2005, this average was 93%.

- For cis-1,3-dichloropropene, field spike recovery rates ranged from 78% to 218% with an overall average of 114%. In 2005, this average was 75%.

- For trans-1,3-dichloropropene, field spike recovery rates ranged from 84% to 173% with an overall average of 111%. In 2005, this average was 68%.

- All trip-blank results were less than the level of detection (**LOD**) except samples 2-TB-1134 and 8-TB-1158 which had methyl bromide concentrations of 334 ng/m3 (**LOD**=9.76 ng/m3) and 23 ng/m3 (**LOD**=9.81 ng/m3) respectively. In 2005, all trip-blank results were less than the 2005 **EQL** of 58, 44, and 33 ng/m3 for methyl bromide, cis-1,3-dichloropropene and trans-1,3-dichloropropene respectively.

- Four (4) canister samples (Log #'s 125, 126, 219, and 220) were flagged by SPMS due to sample collection periods outside of 24 +/-1 hour limits.

- Twenty-six (26) canister samples (Log #'s 1, 2, 5, 14, 30, 33, 38, 40, 43, 57, 60, 64, 68, 73, 76, 77, 78, 84, 85, 99,141,145,176, 215, 244, and 269) were invalidated by the laboratory due to final canister vacuums out of tolerance (-5" to -10" per lab gauge) and not analyzed.

- A total of 247 validated canister samples out of 273 collected indicated a data completeness ratio of 90%. In 2005, this ratio averaged 95%.

5.0 Quality Control Results (continued)

Table 2

Collocated QC Results
(arranged by site)

Lab/Field Log Number	Sample Identification	Sampler ID No.	Corr'd Avg Flow	MeBr RPD	C-Telone RPD	T-Telone RPD	Lab Results (ug/m^3)		
							Methyl Bromide	Cis-Telone	Trans-Telone
8	2-CF-1142	16	3.1		0.00	4.88	1.1E+00	3.0E-01	4.0E-01
9	2-CF-C-1082	10	3.1	0.00			1.1E+00	3.0E-01	4.2E-01
35	5-CF-1182	16	3.3		0.00	6.90	1.6E+00	2.8E-01	2.8E-01
36	5-CF-C-1165	10	3.2	0.00			1.6E+00	2.8E-01	3.0E-01
70	9-CF-1083	16	3.1		7.41	0.00	1.3E+00	1.4E+00	1.1E+00
71	9-CF-C-1173	10	3.1	7.41			1.4E+00	1.3E+00	1.1E+00
113	14-CF-1061	27	3.1		18.18	9.52	1.9E+00	1.2E+00	1.1E+00
114	14-CF-C-1112	16	3.0	0.00			1.9E+00	1E+00	1.0E+00
139	17-CF-1132	27	3.2		0.00	0.00	3.2E-01	1.8E+00	1.2E+00
140	17-CF-C-1196	16	3.1	0.00			3.2E-01	1.8E+00	1.2E+00
171	21-CF-1073	27	3.1		0.00	0.00	1.9E+00	3E-01	4.2E-01
172	21-CF-C-1105	16	3.1	5.13			2.0E+00	3E-01	4.2E-01
211	26-CF-1092	27	3.1				3.7E+00	**<6E-02**	**<4E-02**
212	26-CF-C-1175	16	3.2	2.67			3.8E+00	**<6E-02**	**<4E-02**
239	29-CF-1083	16	3.1				3.4E+00	**<6E-02**	**<4E-02**
240	29-CF-C-1087	27	3.0	0.00			3.4E+00	**<6E-02**	**<4E-02**
CA Dept. of Forestry/CYA Average RPD:				**1.90**	**4.26**	**3.55**	**Bold lab results >LOD<EQL**		
15	2-CT-1113	7	2.7		11.76	0.00	5.2E-01	9E-02	1E-01
16	2-CT-C-1124	15	2.7	3.92			5.0E-01	8E-02	1E-01
41	5-CT-1089	15	2.6		8.22	8.00	3.6E-01	3.5E-01	3.6E-01
42	5-CT-C-1186	7	2.7	5.41			3.8E-01	3.8E-01	3.9E-01
56	7-CT-1153	15	2.1				8.3E-01	3.4E-01	3.3E-01
57	7-CT-C-1133	7	2.6				INV	INV	INV
76	9-CT-1135	7	2.7				INV	INV	INV
77	9-CT-C-1113	15	2.5				INV	INV	INV
118	14-CT-1059	24	3.1		5.71	6.32	2.1E+00	5.4E+00	4.9E+00
119	14-CT-C-1053	11	3.0	0.00			2.1E+00	5.1E+00	4.6E+00
146	17-CT-1084	24	3.2		0.00	4.26	1.7E-01	2E-01	2.4E-01
147	17-CT-C-1050	11	3.0	5.71			1.8E-01	2E-01	2.3E-01
177	21-CT-1149	11	3.0		13.33	0.00	3.8E-01	7E-02	2E-01
178	21-CT-C-1152	24	3.1	2.67			3.7E-01	8E-02	2E-01
217	26-CT-1064	24	3.2				3.0E+00	**<5E-02**	**<4E-02**
218	26-CT-C-1184	11	3.1	3.28			3.1E+00	**<6E-02**	**<4E-02**
245	29-CT-1101	11	3.0				2.3E+00	**<6E-02**	**<4E-02**
246	29-CT-C-1097	24	3.1	0.00			2.3E+00	**<6E-02**	**<4E-02**
256	30-CT-1057	11	3.1				1.8E+00	**<6E-02**	**<4E-02**
257	30-CT-C-1089	24	2.9	0.00			1.8E+00	**<6E-02**	**<4E-02**
CalTrans Average RPD:				**2.62**	**7.80**	**3.72**	**Bold lab results >LOD<EQL**		

5.0 Quality Control Results (continued)

Table 2

Collocated QC Results (continued)
(arranged by site)

Lab/Field Log Number	Sample Identification	Sampler ID No.	Corr'd Avg Flow	MeBr RPD	C-Telone RPD	T-Telone RPD	Lab Results (ug/m^3)		
							Methyl Bromide	Cis-Telone	Trans-Telone
13	2-LV-1178	14	3.0				2.3E+00	3.6E-01	5.5E-01
14	2-LV-C-1051	2	2.9				INV	INV	INV
39	3-LV-1144	14	3.2				4.3E-01	8.2E-01	7.9E-01
40	4-LV-1122	2	3.0				INV	INV	INV
54	5-LV-1097	9	3.1		2.67	5.26	7.0E-01	3.7E-01	3.7E-01
55	5-LV-C-1180	14	3.1	1.42			7.1E-01	3.8E-01	3.9E-01
74	9-LV-1139	14	3.2		5.13	5.41	9.0E-01	1.9E+00	1.8E+00
75	9-LV-C-1090	2	3.0	1.12			8.9E-01	2.0E+00	1.9E+00
117	14-LV-1105	25	3.0		18.18	0.00	6.4E+00	2.4E+00	2.2E+00
127	14-LV-C-1163	9	2.9	1.55			6.5E+00	2E+00	2.2E+00
143	17-LV-1129	9	3.0				2.7E-01	9E-02	1E-01
145	17-LV-C-1102	10	2.9				INV	INV	INV
175	21-LV-1122	2	3.1				3.8E-01	**<6E-02**	**<4E-02**
176	21-LV-C-1051	10	3.1				INV	INV	INV
215	26-LV-1139	21	3.1				INV	INV	INV
216	26-LV-C-1065	10	3.2				8.1E-01	**<6E-02**	**<4E-02**
230	28-LV-1178	10	3.1				5.0E+00	**<6E-02**	**<4E-02**
231	28-LV-C-1171	21	3.0	3.92			5.2E+00	**<6E-02**	**<4E-02**
243	29-LV-1137	10	3.1				2.3E+01	**<6E-02**	**<4E-02**
244	29-LV-C-1066	21	3.4				INV	INV	INV
254	30-LV-1126	10	3.1				8.2E-01	**<6E-02**	**<4E-02**
255	30-LV-C-1076	21	3.0	1.21			8.3E-01	**<5E-02**	**<4E-02**
265	31-LV-1181	10	3.0				1.5E+01	**<6E-02**	**<4E-02**
266	31-LV-C-1093	21	3.1	6.45			1.6E+01	**<6E-02**	**<4E-02**
272	32-LV-1168	10	3.1				6.9E+00	**<6E-02**	**<5E-02**
273	32-LV-C-1111	27	3.1	4.26			7.2E+00	**<6E-02**	**<4E-02**
Laguna Vista School Average RPD:				**2.85**	**8.66**	**3.56**	**Bold lab results >LOD<EQL**		

Quality Control Results (continued)

Table 2

Collocated QC Results (continued)
(arranged by site)

Lab/Field Log Number	Sample Identification	Sampler ID No.	Corr'd Avg Flow	MeBr RPD	C-Telone RPD	T-Telone RPD	Lab Results (ug/m^3)		
							Methyl Bromide	Cis-Telone	Trans-Telone
17	2-TO-1196	1	3.1				2.4E-01	**<5.E-02**	**<4.E-02**
18	2-TO-C-1104	13	3.0	0.00			2.4E-01	**<5.E-02**	**<4.E-02**
43	5-TO-1091	13	2.9				INV	INV	INV
44	5-TO-C-1172	1	3.2				3.6E-01	2E-01	2.2E-01
78	9-TO-1170	13	2.1				INV	INV	INV
79	9-TO-C-1073	1	3.1				1.3E+00	1.1E+00	9.2E-01
92	11-TO-1125	4	3.0		5.50	4.35	2.3E-01	5.6E-01	4.7E-01
93	11-TO-C-1093	1	2.9	0.00			2.3E-01	5.3E-01	4.5E-01
100	12-TO-1141	4	3.0		1.83	4.35	2.9E-01	5.4E-01	4.5E-01
101	12-TO-C-1141	1	3.0	3.39			3.0E-01	5.5E-01	4.7E-01
120	14-TO-1104	23	3.1		6.25	4.08	8.9E-01	3.1E-01	2.4E-01
121	14-TO-C-1054	22	3.1	3.31			9.2E-01	3.3E-01	2.5E-01
148	17-TO-1071	22	3.0		0.00	0.00	1.4E-01	2E-01	2E-01
149	17-TO-C-1067	23	3.1	6.90			1.5E-01	2E-01	2E-01
179	21-TO-1185	22	3.1				5.1E-01	**<5E-02**	**<4E-02**
180	21-TO-C-1163	23	3.1	3.85			5.3E-01	**<5E-02**	**<4E-02**
219	26-TO-1106	23	3.2				1.7E+00	**<6E-02**	**<4E-02**
220	26-TO-C-1124	22	3.2	11.11			1.9E+00	**<6E-02**	**<4E-02**
247	29-TO-1172	23	3.0				1.0E+00	**<6E-02**	**<4E-02**
248	29-TO-C-1088	22	3.0	1.01			9.9E-01	**<6E-02**	**<5E-02**
Thousand Oaks High School Average RPD:				**3.70**	**3.40**	**3.20**	**Bold lab results >LOD<EQL**		

Quality Control Results (continued)

Table 2

Collocated QC Results (continued)
(arranged by site)

Lab/Field Log Number	Sample Identification	Sampler ID No.	Corr'd Avg Flow	MeBr RPD	C-Telone RPD	T-Telone RPD	Lab Results (ug/m3)		
							Methyl Bromide	Cis-Telone	Trans-Telone
6	2-UD-1129	11	2.9		3.28	0.00	2.4E+00	3.0E-01	4.0E-01
7	2-UD-C-1141	4	2.8	4.08			2.5E+00	3.1E-01	4.0E-01
33	5-UD-1164	11	2.6				INV	INV	INV
34	5-UD-C-1181	4	3.0				2.5E+00	5.5E-01	5.6E-01
68	9-UD-1162	4	2.7				INV	INV	INV
69	9-UD-C-1092	11	3.1				7.7E-01	2.3E+00	1.8E+00
111	14-UD-1136	28	3.0		10.53	2.56	4.2E+00	1E+00	1E+00
112	14-UD-C-1086	14	3.0	2.41			4.1E+00	9E-01	9E-01
137	17-UD-1170	28	3.2		5.00	0.00	2.9E-01	7.8E-01	7.7E-01
138	17-UD-C-1158	27	3.2	0.00			2.9E-01	8.2E-01	7.9E-01
169	21-UD-107	14	3.0		13.33		4.1E-01	7E-02	1E-01
170	21-UD-C-1136	28	3.1	2.47			4.0E-01	8E-02	1E-01
209	26-UD-1066	28	3.1				5.7E-01	**<6E-02**	**<4E-02**
210	26-UD-C-1062	14	3.2	3.45			5.9E-01	**<6E-02**	**<4E-02**
237	29-UD-1170	28	3.0				9.2E+00	**<6E-02**	**<5E-02**
238	29-UD-C-1167	14	3.0	1.09			9.1E+00	**<6E-02**	**<4E-02**
249	30-UD-1067	28	3.0				9.8E+00	**<6E-02**	**<5E-02**
250	30-UD-C-1067	14	3.0	0.00			9.8E+00	**<6E-02**	**<4E-02**
260	31-UD-1153	28	3.0				2.3E+00	**<6E-02**	**<5E-02**
261	31-UD-C-1053	14	3.0	4.44			2.2E+00	**<6E-02**	**<5E-02**
268	32-UD-1130	28	2.9				3.8E+00	**<6E-02**	**<4E-02**
269	32-UD-C-1085	14	3.0				INV	INV	INV
United Water Distrct Average RPD:				**2.24**	**8.04**	**0.85**	**Bold lab results >LOD<EQL**		

5.0 Quality Control Results (continued)

Table 2

Collocated QC Results (continued)
(arranged by site)

Lab/Field Log Number	Sample Identification	Sampler ID No.	Corr'd Avg Flow	MeBr RPD	C-Telone RPD	T-Telone RPD	Lab Results (ug/m3)		
							Methyl Bromide	Cis-Telone	Trans-Telone
11	2-VC-1050	9	3.0	6.06	0.00	1.80	1.6E+00	4.0E-01	5.5E-01
12	2-VC-C-1071	3	2.7				1.7E+00	4.0E-01	5.6E-01
37	5-VC-1070	9	3.0				9.7E-01	4.2E-01	4.6E-01
38	5-VC-C-1105	3	2.7				INV	INV	INV
72	9-VC-1107	9	3.0				1.9E+00	5.8E-01	5.6E-01
73	9-VC-C-1166	3	2.8				INV	INV	INV
96	12-VC-1085	9	2.9	5.33	0.00	3.64	7.3E-01	3.3E+00	2.8E+00
97	12-VC-C-1094	10	3.0				7.7E-01	3.3E+00	2.7E+00
115	14-VC-1060	26	3.0	9.52	7.41	15.38	2.2E+00	1.3E+00	1.2E+00
116	14-VC-C-1134	1	3.0				2.0E+00	1.4E+00	1.4E+00
141	17-VC-1135	26	3.0				INV	INV	INV
142	17-VC-C-1111	1	2.9				1.6E-01	4.7E-01	5.2E-01
173	21-VC-1055	26	3.0	0.00		13.33	2.9E+00	**<6E-02**	8E-02
174	21-VC-C-1113	1	3.0				2.9E+00	**<5E-02**	7E-02
213	26-VC-1071	26	3.1	8.00			1.3E+00	**<6E-02**	**<4E-02**
214	26-VC-C-1177	1	3.1				1.2E+00	**<6E-02**	**<4E-02**
241	29-VC-1125	1	3.1	5.71			1.7E+01	**<6E-02**	**<5E-02**
242	29-VC-C-1102	26	3.0				1.8E+01	**<6E-02**	**<5E-02**
252	30-VC-1132	1	3.0	0.00			4.3E+00	**<6E-02**	**<5E-02**
253	30-VC-C-1128	26	3.1				4.3E+00	**<6E-02**	**<4E-02**
263	31-VC-1135	1	3.0	0.00			3.1E+00	**<6E-02**	**<5E-02**
264	31-VC-C-1141	26	3.1				3.1E+00	**<6E-02**	**<4E-02**
Ventura County Fire Dept. Average RPD:				**4.33**	**2.47**	**8.54**	**Bold lab results >LOD<EQL**		

APPENDIX A

Site Photographs

APPENDIX B

Sampling Protocol

APPENDIX C

Laboratory Results Report

APPENDIX D

Canister Field Log Sheets

APPENDIX E

Calibration/Certification Reports