

D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet  
09/12/2003

Data Code: Village1  
Citation: Ambient Air Monitoring for MeBr and 1,3 Dichloropropene in Kern County-Summer 2000  
Authors: Kevin Mongar and George Lew  
Sponsor: CA Air Resources Board, Testing Section, Engineering and Certification Branch, Monitoring & Laboratory Division  
ID Codes: C00-028 [Also see Village 3 data for longitudinal information for 2001]  
Date: 12/27/2000  
Category: Village (Ambient air)  
Scenarios: Ambient air monitoring for MeBr and 1.3 D, near Ag sites in Kern Co (Monitoring from July 19 to Sept. 1, 2000 = heavy use period)  
Site: Kern County sites, MB found at all sites, at low levels  
Sites located in rose and carrot growing regions of Kern County  
App. Rate: no information  
Regimen: 24 hour monitoring, 4 days a week for 2 months.  
All samples for MeBr collected with Silcosteel canisters  
Summary: Of 154 MeBr samples, 140 contained concentrations of MeBr above the estimated quatitation limit (reporting limit) of 0.036 ug.m3 (0.01 ppb)  
[Mebr] as high as 55 ug/m3 were measured, highest 7 week sample was 9 ug/m3  
QC Sum.: lab recovery mean = 102%, trip spike mean recovery = 98%, field recovery for MeBr 102%, storage stability is quantitative at 31 days  
Colocated samples averaged 3.9% difference (range of 0.5 to 20%)  
LOD: 0.036ug/m3 (0.01ppb)

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village1	ambient	07/19/2000	ARB	Area	Bakersfield ARB Station	1440	0.000018	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/19/2000	ARB	Area	Bakersfield ARB Station	1440	0.000018	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/20/2000	ARB	Area	Bakersfield ARB Station	1440	0.0010	0.00001	Canister	N	>90%/NC
Village1	ambient	07/24/2000	ARB	Area	Bakersfield ARB Station	1440	0.00019	0.00001	Canister	N	>90%/NC
Village1	ambient	07/25/2000	ARB	Area	Bakersfield ARB Station	1440	0.000090	0.00001	Canister	N	>90%/NC
Village1	ambient	07/26/2000	ARB	Area	Bakersfield ARB Station	1440	0.000050	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/26/2000	ARB	Area	Bakersfield ARB Station	1440	0.000070	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/27/2000	ARB	Area	Bakersfield ARB Station	1440	0.00018	0.00001	Canister	N	>90%/NC
Village1	ambient	07/31/2000	ARB	Area	Bakersfield ARB Station	1440	No data	0.00001	Canister	N	>90%/NC
Village1	ambient	08/01/2000	ARB	Area	Bakersfield ARB Station	1440	0.00095	0.00001	Canister	N	>90%/NC
Village1	ambient	08/02/2000	ARB	Area	Bakersfield ARB Station	1440	0.00011	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/02/2000	ARB	Area	Bakersfield ARB Station	1440	0.00011	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/03/2000	ARB	Area	Bakersfield ARB Station	1440	0.000071	0.00001	Canister	N	>90%/NC
Village1	ambient	08/07/2000	ARB	Area	Bakersfield ARB Station	1440	0.000059	0.00001	Canister	N	>90%/NC
Village1	ambient	08/08/2000	ARB	Area	Bakersfield ARB Station	1440	0.00010	0.00001	Canister	N	>90%/NC
Village1	ambient	08/09/2000	ARB	Area	Bakersfield ARB Station	1440	0.00010	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/09/2000	ARB	Area	Bakersfield ARB Station	1440	0.00010	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/10/2000	ARB	Area	Bakersfield ARB Station	1440	0.00019	0.00001	Canister	N	>90%/NC
Village1	ambient	08/14/2000	ARB	Area	Bakersfield ARB Station	1440	0.000028	0.00001	Canister	N	>90%/NC
Village1	ambient	08/15/2000	ARB	Area	Bakersfield ARB Station	1440	0.000080	0.00001	Canister	N	>90%/NC
Village1	ambient	08/16/2000	ARB	Area	Bakersfield ARB Station	1440	0.000014	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/16/2000	ARB	Area	Bakersfield ARB Station	1440	0.000015	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/17/2000	ARB	Area	Bakersfield ARB Station	1440	0.000035	0.00001	Canister	N	>90%/NC
Village1	ambient	08/21/2000	ARB	Area	Bakersfield ARB Station	1440	0.000032	0.00001	Canister	N	>90%/NC
Village1	ambient	08/22/2000	ARB	Area	Bakersfield ARB Station	1440	0.000032	0.00001	Canister	N	>90%/NC
Village1	ambient	08/23/2000	ARB	Area	Bakersfield ARB Station	1440	0.00012	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/23/2000	ARB	Area	Bakersfield ARB Station	1440	0.00011	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/24/2000	ARB	Area	Bakersfield ARB Station	1440	No data	0.00001	Canister	N	>90%/NC
Village1	ambient	08/28/2000	ARB	Area	Bakersfield ARB Station	1440	0.00031	0.00001	Canister	N	>90%/NC
Village1	ambient	08/29/2000	ARB	Area	Bakersfield ARB Station	1440	0.00010	0.00001	Canister	N	>90%/NC
Village1	ambient	08/30/2000	ARB	Area	Bakersfield ARB Station	1440	0.00026	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/30/2000	ARB	Area	Bakersfield ARB Station	1440	0.00026	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/31/2000	ARB	Area	Bakersfield ARB Station	1440	0.000087	0.00001	Canister	N	>90%/NC
Village1	ambient	07/19/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.000001	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/19/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.000001	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/20/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0057	0.00001	Canister	N	>90%/NC
Village1	ambient	07/24/2000	CRS	Area	Cotton Res.St:Shafter	1440	No data	0.00001	Canister	N	>90%/NC
Village1	ambient	07/25/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.00091	0.00001	Canister	N	>90%/NC
Village1	ambient	07/26/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0015	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/26/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0015	0.00001	Canister	Y	>90%/NC
Village1	ambient	07/27/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0093	0.00001	Canister	N	>90%/NC
Village1	ambient	07/31/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0016	0.00001	Canister	N	>90%/NC
Village1	ambient	08/01/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.0018	0.00001	Canister	N	>90%/NC
Village1	ambient	08/02/2000	CRS	Area	Cotton Res.St:Shafter	1440	0.000860	0.00001	Canister	Y	>90%/NC





Village1	ambient	08/10/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00024	0.00001	Canister	N	>90%/NC
Village1	ambient	08/14/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000034	0.00001	Canister	N	>90%/NC
Village1	ambient	08/15/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000048	0.00001	Canister	N	>90%/NC
Village1	ambient	08/16/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000014	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/16/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000014	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/17/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000038	0.00001	Canister	N	>90%/NC
Village1	ambient	08/21/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000031	0.00001	Canister	N	>90%/NC
Village1	ambient	08/22/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000038	0.00001	Canister	N	>90%/NC
Village1	ambient	08/23/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000073	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/23/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000071	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/24/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00019	0.00001	Canister	N	>90%/NC
Village1	ambient	08/28/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00035	0.00001	Canister	N	>90%/NC
Village1	ambient	08/29/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00011	0.00001	Canister	N	>90%/NC
Village1	ambient	08/30/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00019	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/30/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.00019	0.00001	Canister	Y	>90%/NC
Village1	ambient	08/31/2000	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000065	0.00001	Canister	N	>90%/NC

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

10/23/2003

Data Code: Village2

Citation: Ambient Air Monitoring for MeBr in Oxnard/Camarill and Santa Maria August-October 2001

Authors: Eric D Winegar, PhD, QEP (Applied Measurement Science)

Sponsor: Alliance of the MeBr Industry

ID Codes: None reported

Date: 04/04/2002 [see longitudinal data for 2002 contained in Village 6]

Category: Village (ambient)

Scenarios: Ambient air monitoring for MeBr in Oxnard/Camarillo and Santa Maria Counties

Site: community air monitoring

App. Rate: >?

Regimen: 24 hour monitoring, 4 days a week for 2 months.

Contains wind roses and nearby application data

Sampling sites within buffer zones were turned off. 24 hour sampling, with Summa canisters

Summary: Ox/Cam median conc. 0.15ppb for 8 weeks; Sta. Maria geomean conc. 0.42 ppb

**See report for extensive statistical analysis**

QC Sum.: Field RPD 25.5% for Oxnard/Camarillo & 21% for Santa Maria, Lab RPD is 11.4 & 8.2%, respectively

Lab, trip & field spikes averaged 99% to 120%

LOD: 0.000009 ppmv

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village2	ambient	08/15/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00182	0.000009	Canister	N	>90%
Village2	ambient	08/16/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00105	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	08/17/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00317	0.000009	Canister	N	>90%
Village2	ambient	08/21/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00050	0.000009	Canister	N	>90%
Village2	ambient	08/22/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00191	0.000009	Canister	N	>90%
Village2	ambient	08/23/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00249	0.000009	Canister	N	>90%
Village2	ambient	08/24/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	flow	0.000009	Canister	N (flow dev.)	>90%
Village2	ambient	08/25/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00081	0.000009	Canister	N	>90%
Village2	ambient	08/28/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00012	0.000009	Canister	N	>90%
Village2	ambient	08/29/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00015	0.000009	Canister	N	>90%
Village2	ambient	08/30/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00028	0.000009	Canister	N	>90%
Village2	ambient	08/31/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00015	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/06/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00020	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/07/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00010	0.000009	Canister	N	>90%
Village2	ambient	09/08/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00007	0.000009	Canister	N	>90%
Village2	ambient	09/09/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00016	0.000009	Canister	N	>90%
Village2	ambient	09/13/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00017	0.000009	Canister	N	>90%
Village2	ambient	09/14/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00015	0.000009	Canister	N	>90%
Village2	ambient	09/15/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00020	0.000009	Canister	N	>90%
Village2	ambient	09/16/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00029	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/17/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00035	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/18/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	shipping	0.000009	Canister	N	>90%
Village2	ambient	09/19/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00018	0.000009	Canister	N	>90%
Village2	ambient	09/20/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00059	0.000009	Canister	N	>90%
Village2	ambient	09/26/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00017	0.000009	Canister	N	>90%
Village2	ambient	09/27/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00008	0.000009	Canister	N	>90%
Village2	ambient	09/28/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00008	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/29/2001	Oxn/Cam	Area	O/C: Pleasant Valley Water	1440	0.00011	0.000009	Canister	Y-avg of 2	>90%







Village2	ambient	08/28/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00010	0.000009	Canister	N	>90%
Village2	ambient	08/29/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00129	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	08/30/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00168	0.000009	Canister	N	>90%
Village2	ambient	09/04/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00022	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/05/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00043	0.000009	Canister	N	>90%
Village2	ambient	09/06/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00051	0.000009	Canister	N	>90%
Village2	ambient	09/07/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	flow	0.000009	Canister	N	>90%
Village2	ambient	09/11/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00181	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/12/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00078	0.000009	Canister	N	>90%
Village2	ambient	09/13/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00059	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/14/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00107	0.000009	Canister	N	>90%
Village2	ambient	09/16/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	flow	0.000009	Canister	N	>90%
Village2	ambient	09/17/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00057	0.000009	Canister	N	>90%
Village2	ambient	09/18/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	flow	0.000009	Canister	N	>90%
Village2	ambient	09/19/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	flow	0.000009	Canister	N	>90%
Village2	ambient	09/24/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00124	0.000009	Canister	N	>90%
Village2	ambient	09/25/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	high variabl.	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	09/26/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00055	0.000009	Canister	N	>90%
Village2	ambient	09/27/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00083	0.000009	Canister	N	>90%
Village2	ambient	09/30/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00269	0.000009	Canister	N	>90%
Village2	ambient	10/01/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00198	0.000009	Canister	N	>90%
Village2	ambient	10/02/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00185	0.000009	Canister	N	>90%
Village2	ambient	10/03/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00143	0.000009	Canister	N	>90%
Village2	ambient	10/06/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00082	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	10/07/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00093	0.000009	Canister	N	>90%
Village2	ambient	10/08/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00021	0.000009	Canister	Y-avg of 2	>90%
Village2	ambient	10/09/2001	Santa Maria	Area	Plantell-Greenhouse/St.M.	1440	0.00226	0.000009	Canister	N	>90%

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

10/24/2003

Data Code: Village3

Citation: Ambient Air Monitoring for MeBr and 1,3 Dichloropropene in Kern County-Summer 2001

Authors: Jeffrey P. Cook, Kenneth R Stroud, Michael Boone, Janette Brooks, William V. Soscutoff

Sponsor: CA ARB

ID Codes: Project no. P01-004 [Also see Village 1 data for longitudinal information for 2000]

Date: 06/20/2002

Category: Village (ambient)

Scenarios: Ambient air monitoring for MeBr and 1.3 D, near Ag sites in Kern Co (Monitoring from June 30 to Aug. 31, 2001 = heavy use period)

Site: Kern County sites, MB found at all sites, at low levels

Sites located in rose and carrot growing regions of Kern County

App. Rate: no information

Regimen: 24 hour monitoring, 4 days a week for 2 months.

All samples for MeBr collected with Silcosteel canisters

Summary: Of 198 MeBr samples ,27 invalidated, 171 above estimated Quatitation limit (reporting limit) of 0.036 ug.m3 (0.01 ppb)

[Mebr] as high as 98.3 ug/m3 were measured, highest 8 week sample was 11 ug/m3

24 hour monitoring, protocol and sites were published before start-highest sample at unpublished sampling site

QC Sum.: lab recovery mean = 139%, trip spike mean recovery = 121-143%, field recovery for MeBr 114-132%, storage stability is quantitative at 31 days

Colocated samples averaged 7.4% difference (range of 0.8 to 42%)

LOD: 0.036ug/m3 (0.01ppb) is LOQ, LOD = 0.0071 ug/m3

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village3	ambient	06/30/2001	ARB	Area	Bakersfield ARB Station	1440	0.000038	0.00001	Canister	?	>90%
Village3	ambient	07/01/2001	ARB	Area	Bakersfield ARB Station	1440	0.000031	0.00001	Canister	?	>90%
Village3	ambient	07/02/2001	ARB	Area	Bakersfield ARB Station	1440	0.000320	0.00001	Canister	?	>90%
Village3	ambient	07/06/2001	ARB	Area	Bakersfield ARB Station	1440	0.000026	0.00001	Canister	?	>90%
Village3	ambient	07/07/2001	ARB	Area	Bakersfield ARB Station	1440	0.000020	0.00001	Canister	?	>90%
Village3	ambient	07/08/2001	ARB	Area	Bakersfield ARB Station	1440	0.000020	0.00001	Canister	?	>90%
Village3	ambient	07/13/2001	ARB	Area	Bakersfield ARB Station	1440	0.000154	0.00001	Canister	?	>90%
Village3	ambient	07/14/2001	ARB	Area	Bakersfield ARB Station	1440	0.000067	0.00001	Canister	?	>90%
Village3	ambient	07/15/2001	ARB	Area	Bakersfield ARB Station	1440	0.000044	0.00001	Canister	?	>90%
Village3	ambient	07/16/2001	ARB	Area	Bakersfield ARB Station	1440	0.000156	0.00001	Canister	?	>90%
Village3	ambient	07/21/2001	ARB	Area	Bakersfield ARB Station	1440	0.000161	0.00001	Canister	?	>90%
Village3	ambient	07/22/2001	ARB	Area	Bakersfield ARB Station	1440	0.000048	0.00001	Canister	?	>90%
Village3	ambient	07/23/2001	ARB	Area	Bakersfield ARB Station	1440	0.000116	0.00001	Canister	?	>90%
Village3	ambient	07/24/2001	ARB	Area	Bakersfield ARB Station	1440	0.000040	0.00001	Canister	?	>90%
Village3	ambient	07/29/2001	ARB	Area	Bakersfield ARB Station	1440	0.000054	0.00001	Canister	?	>90%
Village3	ambient	07/30/2001	ARB	Area	Bakersfield ARB Station	1440	0.000108	0.00001	Canister	?	>90%
Village3	ambient	07/31/2001	ARB	Area	Bakersfield ARB Station	1440	0.000039	0.00001	Canister	?	>90%







Village3	ambient	08/15/2001	ARV	Area	Arvin High School: Arvin	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	08/16/2001	ARV	Area	Arvin High School: Arvin	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	08/17/2001	ARV	Area	Arvin High School: Arvin	1440	0.000120	0.00001	Canister	?	>90%
Village3	ambient	08/22/2001	ARV	Area	Arvin High School: Arvin	1440	0.000100	0.00001	Canister	?	>90%
Village3	ambient	08/23/2001	ARV	Area	Arvin High School: Arvin	1440	0.000128	0.00001	Canister	?	>90%
Village3	ambient	08/24/2001	ARV	Area	Arvin High School: Arvin	1440	0.000055	0.00001	Canister	?	>90%
Village3	ambient	08/25/2001	ARV	Area	Arvin High School: Arvin	1440	0.000062	0.00001	Canister	?	>90%
Village3	ambient	08/28/2001	ARV	Area	Arvin High School: Arvin	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	08/29/2001	ARV	Area	Arvin High School: Arvin	1440	0.000079	0.00001	Canister	?	>90%
Village3	ambient	08/30/2001	ARV	Area	Arvin High School: Arvin	1440	0.000078	0.00001	Canister	?	>90%
Village3	ambient	06/30/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	07/01/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	07/02/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	07/06/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	07/07/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000020	0.00001	Canister	?	>90%
Village3	ambient	07/08/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000022	0.00001	Canister	?	>90%
Village3	ambient	07/13/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000135	0.00001	Canister	?	>90%
Village3	ambient	07/14/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000037	0.00001	Canister	?	>90%
Village3	ambient	07/15/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000031	0.00001	Canister	?	>90%
Village3	ambient	07/16/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000044	0.00001	Canister	?	>90%
Village3	ambient	07/21/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000233	0.00001	Canister	?	>90%
Village3	ambient	07/22/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000047	0.00001	Canister	?	>90%
Village3	ambient	07/23/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000063	0.00001	Canister	?	>90%
Village3	ambient	07/24/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000040	0.00001	Canister	?	>90%
Village3	ambient	07/29/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000023	0.00001	Canister	?	>90%
Village3	ambient	07/30/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000057	0.00001	Canister	?	>90%
Village3	ambient	07/31/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000041	0.00001	Canister	?	>90%
Village3	ambient	08/01/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000035	0.00001	Canister	?	>90%
Village3	ambient	08/06/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000218	0.00001	Canister	?	>90%
Village3	ambient	08/07/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	08/08/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000097	0.00001	Canister	?	>90%
Village3	ambient	08/09/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000063	0.00001	Canister	?	>90%
Village3	ambient	08/14/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000147	0.00001	Canister	?	>90%
Village3	ambient	08/15/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000238	0.00001	Canister	?	>90%
Village3	ambient	08/16/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000099	0.00001	Canister	?	>90%
Village3	ambient	08/17/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000115	0.00001	Canister	?	>90%
Village3	ambient	08/22/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000106	0.00001	Canister	?	>90%
Village3	ambient	08/23/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000146	0.00001	Canister	?	>90%
Village3	ambient	08/24/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000056	0.00001	Canister	?	>90%
Village3	ambient	08/25/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000067	0.00001	Canister	?	>90%
Village3	ambient	08/28/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	flow	0.00001	Canister	?	>90%
Village3	ambient	08/29/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000124	0.00001	Canister	?	>90%
Village3	ambient	08/30/2001	VSD	Area	Vineland Dist.-Sunset Sch: Bakersfield	1440	0.000073	0.00001	Canister	?	>90%

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

10/28/2003

Data Code: Village4

Citation: Ambient air Monitoring for MeBr and 1,3 Dichloropropene in Monterey and Santa Cruz Counties.-Summer 2000

Authors: Unable to verify - Kevin Mongar, Air Pollution Specialist, OPAS.MLDJeffery Cook, Chief, Quality Management Branch, Monitoring and Laboratory Division

Sponsor: CA ARB

ID Codes: Unable to verify - C00-028 [Also see Village 6 for longitudinal data for 2001, Village 10 has repeated data from this reference]

Date: Unable to verify - 01/31/2001

Category: Village (ambient)

Scenarios: Ambient air monitoring for MeBr and 1.3 D, near Ag sites in Monterey and Santa Cruz counties

Site: Watsonville, Salinas MeBr found at all sites

Sites located in strawberry growing regions of Monterey & Santa Cruz counties

App. Rate: no information

Regimen: 24 hour monitoring, 3 or 4 days a week for 2 months.

All samples for MeBr collected with Silcosteel canisters, charcoal tube samples failed

Summary: Of 186 MeBr samples, 7 invalidated, 179 above estimated Quantitation limit (reporting limit) of 0.036 ug/m3 (0.01 ppb)

[MeBr] as high as 119 ug/m3 were measured, highest 8 week sample was 28.9 ug/m3

24 hour monitoring, highest co-located value reported

QC Sum.: lab recovery mean = 101%, trip spike mean recovery = 101%, field recovery for MeBr 24% - low fort level issue, storage stability is quantitative at 31 days

Colocated samples averaged 7.9% difference (range of 0.5 to 45%)

LOD: 0.036ug/m3 (0.01ppb) is LOQ, LOD = 0.0071 ug/m3

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village 4	ambient	09/11/2000	CHU	Area	Chualar School/Chualar,CA	1440	0.00066	0.00001	Canister	N	>90%





Village 4	ambient	10/05/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00065	0.00001	Canister	N	>90%
Village 4	ambient	10/10/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440		0.00001	Canister	N	>90%
Village 4	ambient	10/11/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00039	0.00001	Canister	N	>90%
Village 4	ambient	10/12/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0016	0.00001	Canister	N	>90%
Village 4	ambient	10/16/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0079	0.00001	Canister	N	>90%
Village 4	ambient	10/17/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0012	0.00001	Canister	N	>90%
Village 4	ambient	10/18/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00081	0.00001	Canister	N	>90%
Village 4	ambient	10/19/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0021	0.00001	Canister	N	>90%
Village 4	ambient	10/23/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0024	0.00001	Canister	N	>90%
Village 4	ambient	10/24/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.0012	0.00001	Canister	N	>90%
Village 4	ambient	10/25/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00065	0.00001	Canister	N	>90%
Village 4	ambient	10/26/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00054	0.00001	Canister	N	>90%
Village 4	ambient	10/30/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00010	0.00001	Canister	N	>90%
Village 4	ambient	10/31/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00013	0.00001	Canister	N	>90%
Village 4	ambient	11/01/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00014	0.00001	Canister	N	>90%
Village 4	ambient	11/02/2000	SAL	Area	MB UAPCD Ambient Monitoring Station/Salinas, CA	1440	0.00019	0.00001	Canister	N	>90%
Village 4	ambient	09/11/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0094	0.00001	Canister	N	>90%
Village 4	ambient	09/12/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.016	0.00001	Canister	N	>90%
Village 4	ambient	09/13/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440		0.00001	Canister	N	>90%
Village 4	ambient	09/14/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0049	0.00001	Canister	N	>90%
Village 4	ambient	09/18/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440		0.00001	Canister	N	>90%
Village 4	ambient	09/19/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0072	0.00001	Canister	N	>90%
Village 4	ambient	09/20/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00016	0.00001	Canister	N	>90%
Village 4	ambient	09/21/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00021	0.00001	Canister	N	>90%
Village 4	ambient	09/25/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0012	0.00001	Canister	N	>90%
Village 4	ambient	09/26/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00082	0.00001	Canister	N	>90%
Village 4	ambient	09/27/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0017	0.00001	Canister	N	>90%
Village 4	ambient	09/28/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0041	0.00001	Canister	N	>90%
Village 4	ambient	10/02/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00086	0.00001	Canister	N	>90%
Village 4	ambient	10/03/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00048	0.00001	Canister	N	>90%
Village 4	ambient	10/04/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00043	0.00001	Canister	N	>90%
Village 4	ambient	10/05/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0023	0.00001	Canister	N	>90%
Village 4	ambient	10/10/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0011	0.00001	Canister	N	>90%
Village 4	ambient	10/11/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00051	0.00001	Canister	N	>90%
Village 4	ambient	10/12/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00092	0.00001	Canister	N	>90%
Village 4	ambient	10/16/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0033	0.00001	Canister	N	>90%
Village 4	ambient	10/17/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0030	0.00001	Canister	N	>90%
Village 4	ambient	10/18/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0048	0.00001	Canister	N	>90%
Village 4	ambient	10/19/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0035	0.00001	Canister	N	>90%
Village 4	ambient	10/23/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0033	0.00001	Canister	N	>90%
Village 4	ambient	10/24/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0012	0.00001	Canister	N	>90%
Village 4	ambient	10/25/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0022	0.00001	Canister	N	>90%
Village 4	ambient	10/26/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.0013	0.00001	Canister	N	>90%
Village 4	ambient	10/30/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.000081	0.00001	Canister	N	>90%
Village 4	ambient	10/31/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00027	0.00001	Canister	N	>90%
Village 4	ambient	11/01/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00016	0.00001	Canister	N	>90%
Village 4	ambient	11/02/2000	SES	Area	Salsepuedes Elem. Sch/Watsonville, CA	1440	0.00036	0.00001	Canister	N	>90%

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

10/27/2003

Data Code: Village5

Citation: MeBr Air Monitoring: Ventura, Santa Cruz and Monterey Counties, July -Oct. 2002

Authors: Eric D Winegar, PhE, QEP,

Sponsor: Alliance of the MeBr Industry

ID Codes: None reported

Date: 04/15/2003[see longitudinal data for 2001 contained in Village 2]

Category: Village (ambient)

Scenarios: Ambient air monitoring for MeBr in Ventura (Oxnard/Camarillo) and Santa Cruz and Monterey Counties

Site: community air monitoring, locations central to ag use of MeBr, background locations also selected

App. Rate: Various

Regimen: 24 hour monitoring, 4 days a week for 2 months.

Summary: Contains wind roses and nearby application data, also contains comparison to previous sampling for the Monterey and Santa Cruz data

Ox/Cam (Ventura) average conc. 2.3 ppb, Mont/Santa Cruz summary table appears errant,

univariate statistical summaries presented for each county(pgs 32 & 37)

background data averages (for 3 locations) ranged from 0.014 to 0.247 ppb

QC Sum.: lab recovery for both counties = 103 +/- 11%, trip spikes avg = 94.8%, poor field spikes apparently due to preparation error

relative precision amongst duplicate samples (both field and lab) were <25% in all cases

LOD: 0.0000026 ppm











Village5	ambient	10/03/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0035	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/04/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0027	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/05/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0046	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/09/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00038	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/10/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00082	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/11/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0014	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/12/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0015	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/16/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00028	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/17/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00053	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/18/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00064	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/19/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00064	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/23/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00049	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/24/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.0022	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/25/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00041	0.0000026	Canister	Not reported	>90%
Village5	ambient	10/26/2002	CPW	Area	Mont/SC-CountyPublic Works yard	1440	0.00035	0.0000026	Canister	Not reported	>90%

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

10/27/2003

Data Code: Village6

Citation: Ambient Air Monitoring For Methyl Bromide and 1,3-Dichloropropene in Monterey and Santa Cruz Counties, Fall 2001

Authors: Kevin Mongar, Air Pollution Specialist, OPAS.ML.D.Jeffery Cook, Chief, Quality Management Branch, Monitoring and Laboratory Division

Sponsor: CA ARB

ID Codes: P-01-004 [Also see Village 4 for longitudinal data for 2000]

Date: 03/29/2002

Category: Village (ambient)

Scenarios: Ambient air monitoring for MeBr and 1.3 D, near Ag sites in Monterey and Santa Cruz counties

Site: 1 background sample location added for 2001, 1 site relocated MeBr found at all sites

Sites located in strawberry growing regions of Monterey & Santa Cruz counties (Watsonville & Salinas)

App. Rate: no information

Regimen: 24 hour monitoring, 2, 4 or 7 days a week for 2 months.

All samples for MeBr collected with Silcosteel canister

Summary: Of 192 MeBr samples, 19 invalidated, all others above estimated Quatitation limit (reporting limit) of 0.036 ug.m3 (0.01 ppb)

[Mebr] as high as 142 ug/m3 were measured, highest 8 week sample was 23.8 ug/m3

Santa Cruz (background samples) had highest concentration of 2.88 ug/m3 and four day average of 1.74 ug/m3

QC Sum.: lab recovery mean = 152%, trip spike mean recovery = 149%, field recovery for MeBr 159% - systematic spiking error issue LOD:

Colocated samples averaged 7.0% difference (range of 0.0 to 27%)

LOD: 0.036ug/m3 (0.01ppb) is LOQ, LOD = 0.0071 ug/m3

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village4	ambient	09/08/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00034	0.00001	Canister	N	>90%
Village4	ambient	09/09/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00096	0.00001	Canister	N	>90%
Village4	ambient	09/10/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00076	0.00001	Canister	N	>90%
Village4	ambient	09/11/2001	CHU	Area	Chualar School/Chualar,CA	1440		0.00001	Canister	N	>90%
Village4	ambient	09/17/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00025	0.00001	Canister	N	>90%
Village4	ambient	09/18/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00021	0.00001	Canister	N	>90%
Village4	ambient	09/22/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00049	0.00001	Canister	N	>90%
Village4	ambient	09/23/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00026	0.00001	Canister	N	>90%
Village4	ambient	09/24/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00034	0.00001	Canister	N	>90%
Village4	ambient	09/25/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.0015	0.00001	Canister	N	>90%
Village4	ambient	09/26/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00049	0.00001	Canister	N	>90%
Village4	ambient	09/27/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00049	0.00001	Canister	N	>90%
Village4	ambient	10/03/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00035	0.00001	Canister	N	>90%
Village4	ambient	10/04/2001	CHU	Area	Chualar School/Chualar,CA	1440		0.00001	Canister	N	>90%
Village4	ambient	10/05/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00025	0.00001	Canister	N	>90%
Village4	ambient	10/06/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00074	0.00001	Canister	N	>90%
Village4	ambient	10/11/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00099	0.00001	Canister	N	>90%
Village4	ambient	10/12/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.0012	0.00001	Canister	N	>90%
Village4	ambient	10/13/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.0019	0.00001	Canister	N	>90%
Village4	ambient	10/14/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00068	0.00001	Canister	N	>90%
Village4	ambient	10/19/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00082	0.00001	Canister	N	>90%
Village4	ambient	10/20/2001	CHU	Area	Chualar School/Chualar,CA	1440		0.00001	Canister	N	>90%
Village4	ambient	10/21/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00026	0.00001	Canister	N	>90%
Village4	ambient	10/22/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.0010	0.00001	Canister	N	>90%
Village4	ambient	10/27/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00059	0.00001	Canister	N	>90%
Village4	ambient	10/28/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00073	0.00001	Canister	N	>90%
Village4	ambient	10/29/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00059	0.00001	Canister	N	>90%
Village4	ambient	10/30/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00028	0.00001	Canister	N	>90%
Village4	ambient	11/04/2001	CHU	Area	Chualar School/Chualar,CA	1440	0.00029	0.00001	Canister	N	>90%





Village4	ambient	09/23/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0011	0.00001	Canister	N	>90%
Village4	ambient	09/24/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0016	0.00001	Canister	N	>90%
Village4	ambient	09/25/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00051	0.00001	Canister	N	>90%
Village4	ambient	09/26/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0024	0.00001	Canister	N	>90%
Village4	ambient	09/27/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0012	0.00001	Canister	N	>90%
Village4	ambient	10/03/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00045	0.00001	Canister	N	>90%
Village4	ambient	10/04/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00079	0.00001	Canister	N	>90%
Village4	ambient	10/05/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0011	0.00001	Canister	N	>90%
Village4	ambient	10/06/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00033	0.00001	Canister	N	>90%
Village4	ambient	10/11/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0014	0.00001	Canister	N	>90%
Village4	ambient	10/12/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440		0.00001	Canister	N	>90%
Village4	ambient	10/13/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440		0.00001	Canister	N	>90%
Village4	ambient	10/14/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440		0.00001	Canister	N	>90%
Village4	ambient	10/19/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0021	0.00001	Canister	N	>90%
Village4	ambient	10/20/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00025	0.00001	Canister	N	>90%
Village4	ambient	10/21/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00061	0.00001	Canister	N	>90%
Village4	ambient	10/22/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0054	0.00001	Canister	N	>90%
Village4	ambient	10/27/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00034	0.00001	Canister	N	>90%
Village4	ambient	10/28/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440		0.00001	Canister	N	>90%
Village4	ambient	10/29/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00049	0.00001	Canister	N	>90%
Village4	ambient	10/30/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.000072	0.00001	Canister	N	>90%
Village4	ambient	11/04/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440		0.00001	Canister	N	>90%
Village4	ambient	11/05/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.00019	0.00001	Canister	N	>90%
Village4	ambient	11/06/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0010	0.00001	Canister	N	>90%
Village4	ambient	11/07/2001	VSD	Area	Vineland Sch. Dist.-Sunset Sch	1440	0.0019	0.00001	Canister	N	>90%

D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet  
11/12/2003

Data Code: Village7  
Citation: Summary of Ambient Air Monitoring for MeBr  
Authors: John S. Sanders, Environmental Monroiring Branch  
Sponsor: CA ARB  
ID Codes: None except date, references several ARB a & DPR documents [see Villages 1 & 4]  
Date: 03/30/2001  
Category: Village (ambient)  
Scenarios: Ambient air monitoring for MeBr , near Ag sites in Kern Co, Monterey and Santa Cruz Counties.

Site: Various, see Villages 1 & 4  
App. Rate: no information  
Regimen: 24 hour monitoring, 4 days a week for 2 months.  
Summary: Has monitoring data and summary data from counties  
QC Sum.: See data from Villages 1 and 4  
LOD: NA

Study Code	Sample Type	Date	Study Site	Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	Chualar School Chualar CA	Peak 1 day	School	24 hr	0.00240
				Highest 1 week			0.00160
				Avg for 8 weeks			0.00060
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	LaJoya Elem Salinas CA	Peak 1 day	School	24 hr	0.24000
				Highest 1 week			0.01100
				Avg for 8 weeks			0.00380
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	Oak Ave School Greenfield CA	Peak 1 day	School	24 hr	0.00180
				Highest 1 week			0.00100
				Avg for 8 weeks			0.00040
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	Pajaro Middle School Watsonville CA	Peak 1 day	School	24 hr	0.03080
				Highest 1 week			0.01550
				Avg for 8 weeks			0.00770
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	ARB Station Salinas CA	Peak 1 day	School	24 hr	0.00790
				Highest 1 week			0.00300
				Avg for 8 weeks			0.00130
Village 7 (from Vil. 4)	ambient	9/11-11/3/2000	Salsepuedes Elem. Watsonville CA	Peak 1 day	School	24 hr	0.01640
				Highest 1 week			0.00830
				Avg for 8 weeks			0.00260
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	ARB Station	Peak 1 day	School	24 hr	0.00100

Village	Type	Date	Study Site	Task/Location	Duration	[MeBr] (ppm)	LOD (ppm)	QC
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	Bakersfield CA Cotton Research Stat. Shafter CA	Highest 1 week Avg for 8 weeks Peak 1 day	School 24 hr	0.00050 0.00020 0.01420		
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	Mettler Fire Stat. Mettler CA	Highest 1 week Avg for 8 weeks Peak 1 day	School 24 hr	0.00460 0.00220 0.00020		
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	Mtn. View School Lamont CA	Highest 1 week Avg for 8 weeks Peak 1 day	School 24 hr	0.00010 0.00008 0.00050		
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	Shafter/Walker Amb. Mon. Stat. Shafter CA	Highest 1 week Avg for 8 weeks Peak 1 day	School 24 hr	0.00020 0.00009 0.00350		
Village 7 (from Vil. 1)	ambient	7/19 - 9/1/2000	Vineland School District Bakersfield CA	Highest 1 week Avg for 8 weeks Peak 1 day	School 24 hr	0.00180 0.00080 0.00030		

D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet

11/12/2003 **SEE VILLAGE 2 AND VILLAGE 5**  
Mention inconsistencies between printed report and AN Excel Spreadsheet, which we do not have (XL).

Data Code: Village8  
Citation: Response to Comments on AMBI 2001 and 2002 Reports  
Authors: Dr. Eric Winegar  
Sponsor: Livingston and Mattsich, Alliance of MeBr Industry  
ID Codes:  
Date: 06/03/2003  
Category: Village  
Scenarios: Response to comments on inconsistencies in rePorted data  
Site: Oxnard/Camarillo and Santa Maria counties abmieln air monitoring

App. Rate: >?  
Regimen: Correction/clarification of inconsistencies: MDL: 0.003ppb

Summary: Changes Highlighted in Yellow  
QC Sum.:  
LOD: 0.003 ppb

Note: The data contained in this document are updates/corrections to the data contained in Village 2 and 5.

Please refer to those studies for access to the data.

D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet  
11/12/2003

Data Code: Village9  
Citation: Identification of MeBr in Urban Air  
Authors: D.E Harsch, RA Rasmussen  
Sponsor: Analytical Letters 10(13), 1041-1047 (1977) Washington State University and Oregon Graduate Center  
ID Codes:  
Date: 1977

Category: Village  
Scenarios: MeBr from car exhaust (pre-unleaded)  
Site: US west coast

App. Rate: na  
Regimen: measure at corner of Main and Grand St in Pullman washington and measure a car with and without catalytic converter.

Summary: MeBr monitoring due to car exhaust, especially leaded gas exhaust  
QC Sum.:  
LOD: between 0.5 and 10 ppt

Study Code	Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
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Village9	Area	1976	Rural Air,	Eastern WA state	Low range	NR	5.0E-007	NR	Canister	No	NR
Village9	Area		Rural Air,	Eastern WA state	High range	NR	1.0E-006	NR	Canister	No	NR
Village9	Area	09/13/1976	Street corner	Moderate Traffic	10mph wind	NR	1.00E-005	NR	Canister	No	NR
Village9	Area	09/13/1976	Street corner	heavy traffic	10mph wind	NR	1.0E-005	NR	Canister	No	NR
Village9	Area	11/06/1976	Street corner	Light traffic	Calm, early AM, heavy inversion	NR	2.2E-004	NR	Canister	No	NR
Village9	Area	11/06/1976	Street corner	Heavy Traffic	slight breeze	NR	1.5E-004	NR	Canister	No	NR
Village9	Area	11/16/1976	Street corner	light traffic	5 mph wind	NR	1.0E-005	NR	Canister	No	NR
Village9	Area	11/16/1976	Street corner	Heavy traffic	5 mph wind	NR	1.9E-004	NR	Canister	No	NR
Village9	Source	10/01/1976	Auto Exhaust	Leaded Fuel	72 Rambler/leaded/no cat conv	NR	5.5E-002	NR	Canister	No	NR
Village9	Source	11/16/1976	Auto Exhaust	Leaded Fuel	72 Rambler/leaded/no cat conv	NR	1.8E-002	NR	Canister	No	NR
Village9	Source	10/01/1976	Auto Exhaust	Non-leaded Fuel	75 Pinto/unleaded/cat conv	NR	1.0E-003	NR	Canister	No	NR
Village9	Source	11/16/1976	Auto Exhaust	Non-leaded Fuel	75 Pinto/unleaded/cat conv	NR	1.3E-003	NR	Canister	No	NR

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

11/18/2003

**SEE VILLAGE 4,5,6and 7**

Data Code: Village10  
Citation: Ambient Air Monitoring for MeBr and 1,3 D in Monterey/Santa CruzCounties-Fall 2000  
Authors: Kevin Mongar, Project, Lead, and George Lew, Chief  
Sponsor: CA Air Resource Board  
ID Codes: Project no. C00-028  
Date: 01/31/2001

repeat of village 4 - do not use as unique individual data

Category: Village  
Scenarios: ambient air monitoring  
Site: Monterey and Santa Cruz counties

App. Rate: >?  
Regimen: Ambient air monitoring at schools and monitoring stations  
Some charcoal/psp done with one set of canisters, not properly id'd and problems with lab.

Summary:  
QC Sum.: Field Recovery results varied: 59%, 108, -156% and 84%. Avg = 24%  
LOD: Canister; 36ng/m3 = 0.009ppb; Car: 2800ng/m3 = 7 ppb

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	QC
Village10	ambient	09/11/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00066	9.0E-006	Canister	
Village10	ambient	09/12/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00080	9.0E-006	Canister	
Village10	ambient	09/13/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00094	9.0E-006	Canister	
Village10	ambient	09/14/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00050	9.0E-006	Canister	
Village10	ambient	09/18/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00058	9.0E-006	Canister	
Village10	ambient	09/19/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00215	9.0E-006	Canister	
Village10	ambient	09/20/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00071	9.0E-006	Canister	
Village10	ambient	09/21/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00084	9.0E-006	Canister	
Village10	ambient	09/25/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00012	9.0E-006	Canister	
Village10	ambient	09/26/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00032	9.0E-006	Canister	
Village10	ambient	09/27/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00229	9.0E-006	Canister	
Village10	ambient	09/28/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00067	9.0E-006	Canister	
Village10	ambient	10/02/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00037	9.0E-006	Canister	
Village10	ambient	10/03/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00031	9.0E-006	Canister	
Village10	ambient	10/04/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00061	9.0E-006	Canister	
Village10	ambient	10/05/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00030	9.0E-006	Canister	
Village10	ambient	10/10/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00007	9.0E-006	Canister	
Village10	ambient	10/11/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00038	9.0E-006	Canister	
Village10	ambient	10/12/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00033	9.0E-006	Canister	
Village10	ambient	10/16/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00241	9.0E-006	Canister	
Village10	ambient	10/17/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00129	9.0E-006	Canister	
Village10	ambient	10/18/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00120	9.0E-006	Canister	
Village10	ambient	10/19/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00154	9.0E-006	Canister	
Village10	ambient	10/23/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00113	9.0E-006	Canister	
Village10	ambient	10/24/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00057	9.0E-006	Canister	
Village10	ambient	10/25/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00030	9.0E-006	Canister	
Village10	ambient	10/26/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00034	9.0E-006	Canister	
Village10	ambient	10/30/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00011	9.0E-006	Canister	
Village10	ambient	10/31/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00011	9.0E-006	Canister	
Village10	ambient	11/01/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00009	9.0E-006	Canister	
Village10	ambient	11/02/2000	CHU	Area	Chualar School, Chualar, CA	1440	0.00011	9.0E-006	Canister	





Village10	ambient	09/21/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00388	9.0E-006	Canister
Village10	ambient	09/25/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00124	9.0E-006	Canister
Village10	ambient	09/26/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00355	9.0E-006	Canister
Village10	ambient	09/27/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.01326	9.0E-006	Canister
Village10	ambient	09/28/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.02141	9.0E-006	Canister
Village10	ambient	10/02/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00078	9.0E-006	Canister
Village10	ambient	10/03/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00114	9.0E-006	Canister
Village10	ambient	10/04/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00126	9.0E-006	Canister
Village10	ambient	10/05/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00189	9.0E-006	Canister
Village10	ambient	10/10/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00542	9.0E-006	Canister
Village10	ambient	10/11/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.01308	9.0E-006	Canister
Village10	ambient	10/12/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.02802	9.0E-006	Canister
Village10	ambient	10/16/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.02221	9.0E-006	Canister
Village10	ambient	10/17/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00393	9.0E-006	Canister
Village10	ambient	10/18/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00684	9.0E-006	Canister
Village10	ambient	10/19/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00414	9.0E-006	Canister
Village10	ambient	10/23/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.03059	9.0E-006	Canister
Village10	ambient	10/24/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00843	9.0E-006	Canister
Village10	ambient	10/25/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00306	9.0E-006	Canister
Village10	ambient	10/26/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00254	9.0E-006	Canister
Village10	ambient	10/30/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00054	9.0E-006	Canister
Village10	ambient	10/31/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00177	9.0E-006	Canister
Village10	ambient	11/01/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00174	9.0E-006	Canister
Village10	ambient	11/02/2000	PMS	Area	Pajaro Middle School, Watsonville, CA	1440	0.00038	9.0E-006	Canister
Village10	ambient	09/11/2000	SAL	Area	MBIAPCD Ambient Monitoring Station, Salinas, CA	1440	0.00197	9.0E-006	Canister
Village10	ambient	09/12/2000	SAL	Area	MBIAPCD Ambient Monitoring Station, Salinas, CA	1440	0.00213	9.0E-006	Canister
Village10	ambient	09/13/2000	SAL	Area	MBIAPCD Ambient Monitoring Station, Salinas, CA	1440	0.00150	9.0E-006	Canister
Village10	ambient	09/14/2000	SAL	Area	MBIAPCD Ambient Monitoring Station, Salinas, CA	1440	0.00096	9.0E-006	Canister
Village10	ambient	09/18/2000	SAL	Area	MBIAPCD Ambient Monitoring Station, Salinas, CA	1440	0.00144	9.0E-006	Canister

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

02/05/2004

Data Code: Village 11

Citation: Measurements of some Potentially Hazardous Organic Chemicals in Urban Environments

Authors: Singh, Hanwant.; Salas, Louis; Smith, Albert; Shigeishi, Hisao

Sponsor: Atmospheric Environment Vol 15 pp 601-612

ID Codes: See Cite

Date: 03/05/1980

Category: Village

Scenarios: Urban atmospheric monitoring for Organic chemicals

Site: Los Angeles, Phoenix and Oakland

App. Rate: NA

Regimen: 2 week, 24 hr/day measurement of atmospheric chemicals in cities

real time GC w/cryogenic preconcentration

Summary: Exposures in LA were typically highest with Oakland being generally lowest - study screened for 33 chemicals

QC Sum.: +/- 15%

LOD: NA

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village 11	Area	4/9 to 4/21/79	LosAngeles	Overall Results	Mean	NA	0.000244	NR	Grab/GC	N	NR
Village 11	Area	4/9 to 4/21/79	LosAngeles	Overall Results	Std Dev	NA	0.000193	NR	Grab/GC	N	NR
Village 11	Area	4/9 to 4/21/79	LosAngeles	Overall Results	Max	NA	0.000894	NR	Grab/GC	N	NR
Village 11	Area	4/9 to 4/21/79	LosAngeles	Overall Results	min	NA	0.000013	NR	Grab/GC	N	NR
Village 11	Area	4/23to 5/6/79	Phoenix	Overall Results	Mean	NA	0.000067	NR	Grab/GC	N	NR
Village 11	Area	4/23to 5/6/79	Phoenix	Overall Results	Std Dev	NA	0.000047	NR	Grab/GC	N	NR
Village 11	Area	4/23to 5/6/79	Phoenix	Overall Results	Max	NA	0.000190	NR	Grab/GC	N	NR
Village 11	Area	4/23to 5/6/79	Phoenix	Overall Results	min	NA	0.000004	NR	Grab/GC	N	NR
Village 11	Area	6/28 to 7/10/79	Oakland	Overall Results	Mean	NA	0.000055	NR	Grab/GC	N	NR
Village 11	Area	6/28 to 7/10/79	Oakland	Overall Results	Std Dev	NA	0.000024	NR	Grab/GC	N	NR
Village 11	Area	6/28 to 7/10/79	Oakland	Overall Results	Max	NA	0.000108	NR	Grab/GC	N	NR
Village 11	Area	6/28 to 7/10/79	Oakland	Overall Results	min	NA	0.000026	NR	Grab/GC	N	NR

D316326/Summary Data Ambient/Appendix P

Methyl Bromide Data Summary Sheet

02/05/2004

Data Code: Village 12  
 Citation: ARB monitoring of MeBr (Monterey county)  
 Authors: James D. Boyd  
 Sponsor: CARB  
 ID Codes: None reported  
 Date: \*\*\*\*\*

Category: Village  
 Scenarios: ambient monitoring about a treated field (over # of weeks)  
 Site: Monterey Ca & Stockton CA  
 4 sampling sites were selected in Monterey CA  
 Aromas, Elkhorn, Flea market and Fennell Farms were in treated area, MP (Mont. Peninsula Hospital is background site)

App. Rate: NR  
 Regimen: Ambient air monitoring sites, 4 days per week for 5 wks, ~4 hr intervals during DAY: all ND: not reported  
 Sampling was selected to coincide with strawberry uses in Monterey (8/26-9/18/86) & to coincide with a walnut processing facility use (10/15-24/86)

Summary: Highest [MeBr] was 0.90 ppm at Fennell Farms application site, average of all samples at this site were 0.090 ppm  
 QC Sum.: 92% recovery  
 LOD: 0.0011, 0.0005 ppm

Study Code	Sample Type	Date	Study Site	Site Descriptor	Task/Location	Duration (min.)	[MeBr] (ppm)	LOD (ppm)	Sampler Type	Replicate	QC
Village 12	Area	1987	Aromas	Area results	Maximum	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Elkhorn	Area results	Maximum	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Flea Market	Area results	Maximum	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	MP Hospital	Area results	Maximum	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site A	Area results	Maximum	240	0.21	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site B	Area results	Maximum	240	0.9	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site C	Area results	Maximum	240	0.53	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Stockton	Area results	Maximum	240	0.0016	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Aromas	Area results	Second Highest	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Elkhorn	Area results	Second Highest	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Flea Market	Area results	Second Highest	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	MP Hospital	Area results	Second Highest	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site A	Area results	Second Highest	240	0.052	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site B	Area results	Second Highest	240	0.28	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site C	Area results	Second Highest	240	0.11	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Stockton	Area results	Second Highest	240	0.00092	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Aromas	Area results	Average	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Elkhorn	Area results	Average	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Flea Market	Area results	Average	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	MP Hospital	Area results	Average	240	ND	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site A	Area results	Average	240	0.768	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site B	Area results	Average	240	0.111	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Fennell Farms: Site C	Area results	Average	240	0.0594	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	1987	Stockton	Area results	Average	240	0.001	0.0011, 0.0005 ppm	Char/psp	n	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	246	0.099	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	246	0.004	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	240	0.046	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	240	0.055	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	240	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	240	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	240	0.071	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	240	0.075	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	250	0.091	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	250	0.127	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	210	0.357	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	210	0.056	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	190	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	190	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	220	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	220	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	170	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	A	170	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	180	0.169	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	180	0.399	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	180	0.072	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	180	0.095	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	200	0.762	<0.0011	Char/psp	Y	92% recovery



Village 12	Area	*****	Fennell Farms	Applied 9/11	B	272	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	B	272	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	281	<0.0011	<0.0011	Char/psp	Y	92% recovery
Village 12	Area	*****	Fennell Farms	Applied 9/11	C	281	<0.0011	<0.0011	Char/psp	Y	92% recovery

D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet  
02/05/2004

Data Code: Village 13

Citation: Use Information and Air Monitoring Recommendation For the Pesticide Active Ingredients 1,3-Dichloropropene and methyl bromide  
Authors: Johanna Walters and Pam Wales  
Sponsor: CA DPR  
ID Codes: None reported  
Date: June 2000

Category: Village

Contains no data but does contain recommendations and justification for methyl bromide monitoring by CARB  
D316326/Summary Data Ambient/Appendix P  
Methyl Bromide Data Summary Sheet  
02/05/2004

Data Code: Village 14

Citation: Exposures to Methyl Bromide Based on ARB 2000 Monitoring In Monterey/Santa Cruz and Kern Counties  
Authors: Sally Powell  
Sponsor: CA DPR  
ID Codes: HSM 01004  
Date: Feb 16, 2001

Category: Village

Contains a statistical analysis of data from the counties - daily, weekly and 8 week TWAs are reported.  
Max daily = 30.8 ppb  
Max weekly mean = 15.5 ppb  
Max 8 week mean = 7.68 ppb

See data tables on page 2 for further info.