Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Chloroform (Trichloromethane) (µg/L) (32106)	Tetrachloroethene (PCE) (µg/L) (34475)	Carbon disulfide (µg/L) (77041)	1,2,4-Trimethylbenzene (µg/L) (77222)	*tert*-Butyl methyl ether (MTBE) (µg/L) (78032)	Trichloroethene (TCE) (µg/L) (39180)	Bromodichloromethane (µg/L) (32101)	*cis*-1,2-Dichloroethylene (µg/L) (77093)	Tetrachloromethane (carbon tetrachloride) (µg/L) (32102)	Bromoform (tribromomethane) (µg/L) (32104)	Dibromochloromethane (µg/L) (32105)
Threshold type	**MCL-US**	**HAL-US**	**NL**	**NL**	**MCL-CA**	**MCL-CA**	**MCL-US**	**MCL-CA**	**MCL-CA**	**MCL-US**	**MCL-US**
Threshold (µg/L)	**80**	**10**	**160**	**330**	**13**	**5**	**80**	**6**	**0.5**	**80**	**80**
[LRL]	**[0.02]**	**[0.03]**	**[0.04]**	**[0.06]**	**[0.1]**	**[0.04]**	**[0.03]**	**[0.02]**	**[0.06]**	**[0.1]**	**[0.1]**
MSMB-01	0.17	—	—	—	E0.1	—	—	—	—	—	—
MSMB-02	0.17	0.48	—	—	E0.1	E0.06	E0.08	—	—	—	E0.1
MSMB-05	E0.09	E0.09	—	—	E0.1	—	E0.04	—	—	0.84	0.2
MSMB-08	E0.02	—	—	E0.03	—	—	—	—	—	—	—
MSMB-11	—	E0.01	—	—	—	—	—	—	—	—	—
MSMB-13	E0.08	0.43	—	—	—	0.80	—	0.38	E0.03	—	—
MSMB-15	—	—	—	0.22	—	—	—	—	—	—	—
MSMB-16	E0.04	E0.04	—	—	—	0.41	—	E0.04	E0.06	—	—
MSMB-18	E0.02	—	—	E0.05	—	—	—	—	—	—	—
MSMB-20	E0.07	0.24	—	—	—	0.23	—	0.56	E0.02	—	—
MSMB-24	0.14	E0.08	—	—	—	—	—	—	—	—	—
MSMB-29	—	—	—	E0.02	—	—	—	—	—	—	—
MSMB-30	E0.07	2.05	—	E0.02	—	—	—	—	E0.07	—	—
MSMB-31	E0.02	—	—	—	—	—	—	—	—	—	—
MSMB-32	E0.03	—	—	—	—	—	—	—	—	—	—
MSMB-33	0.12	—	E0.02	—	—	—	—	—	—	—	—
MSMB-36	—	—	—	—	—	—	E0.06	—	—	0.59	0.2
MSMB-40	—	—	—	—	—	—	—	—	—	—	—
MSMB-42	—	—	—	—	2.2	—	—	—	—	—	—
MSMB-45	—	—	—	0.11	—	—	—	—	—	—	—
MSPR-02	—	—	—	—	—	—	—	—	—	—	—
MSPR-04	E0.04	—	—	—	—	—	—	—	—	—	—
MSPR-06	E0.01	—	—	—	—	—	—	—	—	—	—
MSPR-08	E0.04	—	—	—	—	—	—	—	—	0.11	—
MSPR-10	—	—	E0.07	—	—	—	—	—	—	—	—

Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Chloroform (Trichloromethane) (µg/L) (32106)	Tetrachloroethene (PCE) (µg/L) (34475)	Carbon disulfide (µg/L) (77041)	1,2,4-Trimethylbenzene (µg/L) (77222)	*tert*-Butyl methyl ether (MTBE) (µg/L) (78032)	Trichloroethene (TCE) (µg/L) (39180)	Bromodichloromethane (µg/L) (32101)	*cis*-1,2-Dichloroethylene (µg/L) (77093)	Tetrachloromethane (carbon tetrachloride) (µg/L) (32102)	Bromoform (tribromomethane) (µg/L) (32104)	Dibromochloromethane (µg/L) (32105)
Threshold type	**MCL-US**	**HAL-US**	**NL**	**NL**	**MCL-CA**	**MCL-CA**	**MCL-US**	**MCL-CA**	**MCL-CA**	**MCL-US**	**MCL-US**
Threshold (µg/L)	**80**	**10**	**160**	**330**	**13**	**5**	**80**	**6**	**0.5**	**80**	**80**
[LRL]	**[0.02]**	**[0.03]**	**[0.04]**	**[0.06]**	**[0.1]**	**[0.04]**	**[0.03]**	**[0.02]**	**[0.06]**	**[0.1]**	**[0.1]**
MSSC-01	—	—	E0.03	—	—	—	—	—	—	—	—
MSSC-02	E0.02	—	—	—	—	—	—	—	—	—	—
MSSC-03	E0.04	—	—	—	—	—	—	—	—	—	—
MSSC-04	—	E0.08	—	—	1.5	E0.10	—	E0.07	—	—	—
MSSC-06	—	—	0.17	—	—	—	—	—	—	—	—
MSSV-01	—	—	E0.06	—	—	—	—	—	—	—	—
MSSV-03	0.46	—	—	—	—	—	E0.06	—	—	—	—
MSSV-05	—	—	0.16	—	—	—	—	—	—	—	—
MSSV-08	E0.02	—	—	—	—	—	—	—	—	—	—
Number of wells with detections	20	9	6	6	5	5	4	4	4	3	3
Detection frequency (percent)	22	10	7	7	5	5	4	4	4	3	3
Flow-path wells[1]											
MSMBFP-02	—	—	—	—	—	E0.06	—	—	—	—	—
MSMBFP-03	1.94	—	—	—	—	—	0.71	—	—	0.64	E0.7
MSMBMW-01	—	3.95	—	—	—	—	—	—	—	—	—
MSMBMW-02	—	E0.06	—	—	—	—	—	—	—	—	—
MSMBMW-03	—	0.19	—	E0.04	—	—	—	—	—	—	—

[1]Flow-path wells were not included in statistical calculations.

Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Tetrahydrofuran (µg/L) (81607)	1,1,2-Trichlorotrifluoroethane (CFC-113) (µg/L) (77652)	1,1-Dichloroethane (µg/L) (34496)	1,1-Dichloroethene (µg/L) (34501)	1,2-Dichloropropane (µg/L) (34541)	2-Butanone (Ethyl methyl ketone) (µg/L) (81595)	Benzene (µg/L) (34030)	Dibromomethane (µg/L) (30217)	Dichloromethane (µg/L) (34423)	Diisopropyl ether (µg/L) (81577)	Ethylbenzene (µg/L) (34371)
Threshold type	**na**	**[0.04]**	**[0.04]**	**[0.02]**	**[0.03]**	**[4 (2)]**	**[0.02]**	**[0.05]**	**[0.1]**	**[0.1]**	**[0.03]**
Threshold (µg/L)	**na**	**MCL-US**	**MCL-CA**	**MCL-CA**	**MCL-US**	**na**	**MCL-CA**	**na**	**MCL-US**	**na**	**MCL-CA**
[LRL]	**[1]**	**1,200**	**5**	**6**	**0.5**	**na**	**1**	**na**	**5**	**na**	**300**
MSMB-01	—	—	—	—	—	—	—	—	—	—	—
MSMB-02	—	—	—	—	—	—	—	—	—	—	—
MSMB-05	—	—	E0.04	—	—	—	—	—	—	—	E0.07
MSMB-08	—	—	—	—	—	—	—	—	—	—	—
MSMB-11	—	—	—	—	—	—	—	—	—	—	—
MSMB-13	—	—	—	—	—	—	—	—	—	—	—
MSMB-15	—	—	—	—	—	—	—	—	—	—	—
MSMB-16	—	—	—	—	—	—	—	—	—	—	—
MSMB-18	—	—	—	—	—	—	—	—	—	—	—
MSMB-20	—	—	—	—	—	—	—	—	—	—	—
MSMB-24	—	—	—	E0.02	—	—	—	—	—	—	—
MSMB-29	—	—	—	—	—	—	—	—	—	—	—
MSMB-30	—	—	—	—	—	—	—	—	—	—	—
MSMB-31	—	—	—	—	—	—	—	—	—	—	—
MSMB-32	—	—	—	—	—	—	—	—	—	—	—
MSMB-33	—	—	—	—	—	—	—	—	—	—	—
MSMB-36	—	—	—	—	—	—	—	E0.07	—	—	—
MSMB-40	—	E0.07	—	—	—	—	—	—	—	—	—
MSMB-42	—	—	—	—	—	—	—	—	—	—	—
MSMB-45	—	—	—	—	—	—	—	—	—	—	—
MSPR-02	E0.8	—	—	—	—	—	—	—	—	—	—
MSPR-04	—	—	—	—	—	—	—	—	—	—	—
MSPR-06	—	—	—	—	—	—	—	—	—	—	—
MSPR-08	—	—	—	—	—	—	—	—	—	—	—
MSPR-10	—	—	—	—	—	—	—	—	—	—	—

Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Tetrahydrofuran (µg/L) (81607)	1,1,2-Trichlorotrifluoroethane (CFC-113) (µg/L) (77652)	1,1-Dichloroethane (µg/L) (34496)	1,1-Dichloroethene (µg/L) (34501)	1,2-Dichloropropane (µg/L) (34541)	2-Butanone (Ethyl methyl ketone) (µg/L) (81595)	Benzene (µg/L) (34030)	Dibromomethane (µg/L) (30217)	Dichloromethane (µg/L) (34423)	Diisopropyl ether (µg/L) (81577)	Ethylbenzene (µg/L) (34371)
Threshold type	**na**	**[0.04]**	**[0.04]**	**[0.02]**	**[0.03]**	**[4 (2)]**	**[0.02]**	**[0.05]**	**[0.1]**	**[0.1]**	**[0.03]**
Threshold (µg/L)	**na**	**MCL-US**	**MCL-CA**	**MCL-CA**	**MCL-US**	**na**	**MCL-CA**	**na**	**MCL-US**	**na**	**MCL-CA**
[LRL]	**[1]**	**1,200**	**5**	**6**	**0.5**	**na**	**1**	**na**	**5**	**na**	**300**
MSSC-01	—	—	—	—	—	—	—	—	—	—	—
MSSC-02	2.0	—	—	—	—	E0.9	—	—	—	—	—
MSSC-03	—	—	—	—	—	—	—	—	—	—	—
MSSC-04	—	—	—	—	—	—	E0.05	—	—	E0.06	—
MSSC-06	—	—	—	—	—	—	—	—	—	—	—
MSSV-01	—	—	—	—	—	—	—	—	—	—	—
MSSV-03	—	—	—	—	E0.03	—	—	—	E 0.04	—	—
MSSV-05	—	—	—	—	—	—	—	—	—	—	—
MSSV-08	—	—	—	—	—	—	—	—	—	—	—
Number of wells with detections	2	1	1	1	1	1	1	1	1	1	1
Detection frequency (percent)	2	1	1	*1*	1	1	1	1	1	1	1
Flow-path wells[1]											
MSMBFP-02	—	—	0.12	0.34	—	—	—	—	—	—	—
MSMBFP-03	—	—	—	—	—	—	—	—	—	—	—
MSMBMW-01	—	—	—	—	—	—	—	—	—	—	—
MSMBMW-02	—	—	—	—	—	—	—	—	—	—	—
MSMBMW-03	—	—	—	—	—	—	—	—	—	—	—

[1]Flow-path wells were not included in statistical calculations.

Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Isopropyl benzene (µg/L) (77223)	*m*-Xylene plus *p*-xylene (µg/L) (85795)	*tert*-Amyl alcohol (µg/L) (77073)	*tert*-Butyl benzene (µg/L) (77353)	*trans*-1,2-Dichloro ethene (µg/L) (34546)	1,1,1-Trichloro ethane (TCA) (µg/L) (34506)	Detections per well
Threshold type	**[0.04]**	**[0.06]**	**[1]**	**[0.06]**	**[0.03]**	**[0.03]**	
Threshold (µg/L)	**na**	**MCL-CA**	**na**	**na**	**MCL-CA**	**MCL-US**	
[LRL]	**na**	**1,750**	**na**	**na**	**10**	**200**	
MSMB-01	—	—	—	—	—	—	2
MSMB-02	—	—	—	E0.01	—	—	7
MSMB-05	—	—	—	—	—	—	8
MSMB-08	—	E0.03	—	—	—	—	3
MSMB-11	—	—	—	—	—	—	1
MSMB-13	—	—	—	—	—	—	5
MSMB-15	—	—	—	—	—	—	1
MSMB-16	—	—	—	—	—	—	5
MSMB-18	—	—	—	—	—	—	2
MSMB-20	—	—	—	—	E0.02	—	6
MSMB-24	—	—	—	—	—	—	3
MSMB-29	—	—	—	—	—	—	1
MSMB-30	—	—	—	—	—	—	4
MSMB-31	—	—	—	—	—	—	1
MSMB-32	—	—	—	—	—	—	1
MSMB-33	—	—	—	—	—	—	2
MSMB-36	—	—	—	—	—	—	4
MSMB-40	—	—	—	—	—	—	1
MSMB-42	—	—	—	—	—	—	1
MSMB-45	—	—	—	—	—	—	1
MSPR-02	—	—	—	—	—	—	1
MSPR-04	—	—	—	—	—	—	1
MSPR-06	E0.02	—	—	—	—	—	2
MSPR-07	—	—	—	—	—	—	1
MSPR-08	—	—	—	—	—	—	2
MSPR-10	—	—	—	—	—	—	1

Table 11. Results of analyses for volatile organic compounds (VOCs) and gasoline additives in unfiltered ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Out of 97 samples, only those with detections are listed. MSMB, Monterey Bay study area well; MSMBFP, Monterey Bay study area flow-path well; MSMBMW, Monterey Bay study area monitoring well; MSPR, Paso Robles study area well; MSSC, Santa Cruz study area well; MSSV, Salinas Valley study area well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency defined maximum contaminant level; MCL-CA; California Department of Health Services defined maximum contaminant level; NL, California notification level; E, estimated value; LRL, laboratory reporting level; na, not available; V or VE, value censored due to blank contamination and not included in ground-water quality analyses; µg/L, micrograms per liter; —, not detected; percentage values are detection frequencies]

GAMA identification No.	Isopropyl benzene (µg/L) (77223)	*m*-Xylene plus *p*-xylene (µg/L) (85795)	*tert*-Amyl alcohol (µg/L) (77073)	*tert*-Butyl benzene (µg/L) (77353)	*trans*-1,2-Dichloro ethene (µg/L) (34546)	1,1,1-Trichloro ethane (TCA) (µg/L) (34506)	Detections per well
Threshold type	**[0.04]**	**[0.06]**	**[1]**	**[0.06]**	**[0.03]**	**[0.03]**	
Threshold (µg/L)	**na**	**MCL-CA**	**na**	**na**	**MCL-CA**	**MCL-US**	
[LRL]	**na**	**1,750**	**na**	**na**	**10**	**200**	
MSSC-01	—	—	—	—	—	—	1
MSSC-02	—	—	—	—	—	—	3
MSSC-03	—	—	—	—	—	—	1
MSSC-04	—	—	E0.7	—	—	—	7
MSSC-06	—	—	—	—	—	—	1
MSSV-01	—	—	—	—	—	—	1
MSSV-03	—	—	—	—	—	—	4
MSSV-05	—	—	—	—	—	—	1
MSSV-08	—	—	—	—	—	—	1
Number of wells with detections	1	1	1	1	1	0	86 Total detections
Detection frequency (percent)	1	1	1	1	1	0	34 Total wells
Flow-path wells[1]							
MSMBFP-02	—	—	—	—	—	E0.02	4
MSMBFP-03	—	—	—	—	—	—	4
MSMBMW-01	—	—	—	—	—	—	1
MSMBMW-02	—	—	—	—	—	—	1
MSMBMW-03	—	—	—	—	—	—	2

[1]Flow-path wells were not included in statistical calculations.