

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California.

[The site identification number is 324141117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	Spike analysis date (mm/dd/yyyy)	Dibromo- methane	Bromo- dichloro- methane	Carbon tetra- chloride	1,2-Di- chloro- ethane	Bromform (Tribromo- methane)	Dibromo- chloro- methane	Chloroform (Trichloro- methane)
10/02/1999*	10/07/1999*	NA	NA	NA	NA	NA	NA	NA
10/13/1999	10/21/1999	88.1	71.6	115	94.9	97.3	80.7	88.4
10/26/1999	10/28/1999	94.3	104	103	97.3	112	106	98.5
11/07/1999	11/15/1999	103	108	110	102	112	105	104
11/19/1999	11/29/1999	100	98.0	98.7	96.2	96.0	99.5	95.7
12/13/1999	12/16/1999	102	102	102	101	105	101	101
12/25/1999, 01/06/2000	01/13/2000	97.5	100	104	101	99.7	101	98.0
01/18/2000	01/24/2000	100	101	80	84.6	93.3	102	89.0
01/30/2000	02/03/2000	95.1	103	108	103	108	126	99.9
02/11/2000	02/17/2000	106	107	110	103	114	110	108
03/18/2000	03/23/2000	102	91.9	107	105	69.8	84.9	99.0
04/11/2000, 04/23/2000	04/25/2000	97.0	102	108	99.4	104	105	91.3
05/05/2000, 05/17/2000	05/18/2000	96.9	111	105	103	114	111	109
05/29/2000, 06/10/2000	06/12/2000	102	105	110	104	104	105	107
06/29/2000, 07/11/2000	07/17/2000	89.5	97.6	78.8	97.8	85.2	86.6	79.7
07/23/2000, 08/04/2000	08/07/2000	99.6	94.9	89.3	86.8	95.3	96.8	93.5
08/16/2000, 08/28/2000, 09/09/2000	09/19/2000	96.1	105	112	99.7	119	123	95.6
09/21/2000, 10/03/2000	10/12/2000	85.4	86.1	93.2	84.2	82.3	89.0	85.3
11/08/2000	11/16/2000	95.0	100	103	93.6	109	99.8	92.4
11/20/2000, 12/02/2000	12/07/2000	107	120	128	115	117	117	108
12/14/2000	12/20/2000	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	01/12/2001	97.0	97.8	92.1	82.5	100	103	84.4
01/19/2001, 01/31/2001	02/06/2001	99.9	111	103	93.5	98.3	120	90.8
02/12/2001, 02/24/2001	03/05/2001	98.9	104	113	95.0	101	104	93.2
03/08/2001, 03/20/2001	03/26/2001	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	04/24/2001	88.6	98.9	104	91.5	113	102	87.7
04/25/2001, 05/07/2001	05/10/2001	96.8	101	99.8	96.3	97.5	104	94.9
05/19/2001, 05/31/2001	06/07/2001	100	94.3	96.4	96.0	93.0	97.2	103
06/12/2001, 06/24/2001	06/28/2001	85.2	94.0	92.2	90.6	91.9	101	86.6
07/05/2001	07/24/2001	95.4	107	96.1	106	95.4	101	93.5
07/16/2001	08/09/2001	89.0	98.7	95.6	94.0	113	103	89.4
08/08/2001	08/21/2001	89.4	101	75.5	85.8	91.6	104	71.5
08/23/2001	09/12/2001	90.5	96.4	94.0	99.3	91.7	115	76.9
09/16/2001, 09/28/2001	10/10/2001	92.2	99.6	105	96.7	98.6	104	94.5

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 324141117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	Toluene	Benzene	2-Propene- nitrile (acryloni- trile)	Chloro- benzene	Ethyl- benzene	Hexachloro- ethane	Methylene chloride	Tetra- chloro- ethene (PCE)
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	101	119	105	101	103	133	119	94.8
10/26/1999	99.9	108	90.0	101	102	106	89.5	101
11/07/1999	99.8	115	96.5	102	103	108	102	101
11/19/1999	97.4	109	96.3	96.4	91.8	96.8	91.0	93.8
12/13/1999	96.4	88.6	97.4	95.0	98.3	104	99.4	93.9
12/25/1999, 01/06/2000	99.0	106	96.2	97.0	97.9	109	105	91.0
01/18/2000	107	79.4	93.5	110	103	96.2	88.3	103
01/30/2000	114	96.1	94.6	117	100	115	94.3	110
02/11/2000	101	107	105	103	106	120	111	99.7
03/18/2000	98.1	104	89.1	99.7	98.3	93.8	100	105
04/11/2000, 04/23/2000	99.6	104	95.2	99.5	98.3	106	101	96.4
05/05/2000, 05/17/2000	100	89.3	105	97.7	114	116	109	94.9
05/29/2000, 06/10/2000	98.6	99.2	95.3	101	99.0	106	106	97.0
06/29/2000, 07/11/2000	104	114	107	99.8	107	98.2	109	84.4
07/23/2000, 08/04/2000	101	96.6	102	103	95.6	96.9	88.4	107
08/16/2000, 08/28/2000, 09/09/2000	112	112	116	116	109	120	112	111
09/21/2000, 10/03/2000	90.8	88.1	90.8	93.1	88.7	89.3	88.9	88.6
11/08/2000	95.8	86.7	96.7	97.2	103	100	97.4	99.3
11/20/2000, 12/02/2000	107	119	125	108	116	105	120	106
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	103	92.8	86.2	103	100	101	83.0	97.1
01/19/2001, 01/31/2001	111	124	109	105	91.5	96.9	108	104
02/12/2001, 02/24/2001	95.0	99.0	103	96.3	93.8	101	89.3	91.4
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001 04/13/2001	99.1	126	92.2	101	116	117	97.2	94.4
04/25/2001, 05/07/2001	98.5	93.1	99.1	102	93.8	111	108	94.9
05/19/2001, 05/31/2001	99.9	107	108	104	96.2	94.2	87.0	107
06/12/2001, 06/24/2001	96.0	70.8	95.6	101	94.3	100	88.9	95.3
07/05/2001	104	89.3	104	104	111	104	98.2	96.9
07/16/2001	108	96.9	106	105	123	112	91.5	98.4
08/08/2001	123	114	124	124	125	109	80.8	102
08/23/2001	124	106	111	124	106	121	97.3	103
09/16/2001, 09/28/2001	95.7	97.2	108	91.1	96.5	117	112	96.2

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 324141117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1,1-Tri-chloro-ethane	1,1,2-Tri-chloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,2-Di-chloro-benzene	1,2-Dichloro-propane	trans-1,2-Dichloro-ethene
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	90.7	105	111	85	92.8	110	84.5	116
10/26/1999	91.5	105	101	101	109	102	97.4	101
11/07/1999	101	95.7	104	103	109	100	99.7	102
11/19/1999	95.4	95.6	97.0	97.0	108	88.1	97.5	96.9
12/13/1999	98.8	98.4	98.3	97.5	94.1	94.3	98.5	98.3
12/25/1999, 01/06/2000	99.3	94.7	98.2	99.1	82.2	94.8	100	99.8
01/18/2000	92.7	98.4	83.6	101	87.6	99.7	102	94.7
01/30/2000	96.2	99.7	106	102	106	101	92.4	100
02/11/2000	106	107	103	105	110	108	108	103
03/18/2000	101	99.5	103	103	58.3	94.5	102	104
04/11/2000, 04/23/2000	82.2	81.0	104	100	105	96.6	101	95.8
05/05/2000, 05/17/2000	112	104	103	101	112	110	100	102
05/29/2000, 06/10/2000	101	109	103	102	108	96.3	102	105
06/29/2000, 07/11/2000	91.9	103	82.5	95.5	103	88.7	121	101
07/23/2000, 08/04/2000	90.5	94.9	89.0	98.5	87.4	97.4	99.4	93.6
08/16/2000, 08/28/2000, 09/09/2000	97.8	99.5	102	112	97.0	108	105	101
09/21/2000, 10/03/2000	91.7	89.4	87.8	88.7	79.5	90.3	90.5	86.9
11/08/2000	97.0	95.3	95.1	97.0	107	108	97.3	94.9
11/20/2000, 12/02/2000	104	113	124	117	106	101	119	113
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	85.6	86.7	86.4	100	96.5	99.0	99.8	83.6
01/19/2001, 01/31/2001	92.5	95.6	102	115	101	98.1	107	97.0
02/12/2001, 02/24/2001	96.3	97.9	100	97.0	90.4	91.5	99.6	94.9
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	90.1	89.6	98.5	96.1	107	97.9	95.4	91.0
04/25/2001, 05/07/2001	98.8	100	99.0	98.8	101	99.4	98.3	95.7
05/19/2001, 05/31/2001	100	107	96.9	97.0	94.2	102	96.6	99.5
06/12/2001, 06/24/2001	87.2	90.1	90.0	92.0	89.7	106	93.2	91.1
07/05/2001	102	103	102	99.5	110	107	104	101
07/16/2001	91.6	104	93.9	102	126	110	101	98.8
08/08/2001	83.5	109	83.1	101	96.3	107	115	105
08/23/2001	75.2	91.3	95.1	104	93.1	105	113	101
09/16/2001, 09/28/2001	93.3	98.0	99.1	100	99.4	108	99.3	95.8

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 32414117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	1,2,4-Tri- chloro- benzene	1,3-Di- chloro- benzene	1,4-Di- chloro- benzene	Naph- thalene	<i>trans</i> -1,3- Dichloro- propene	<i>cis</i> -1,3-Di- chloro- propene	Trichloro- ethene (TCE)	Hexa- chloro- butadiene
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	117	109	110	117	79.0	77.2	103	109
10/26/1999	109	99.9	103	104	94.3	98.4	97.4	108
11/07/1999	110	102	101	109	100	103	101	105
11/19/1999	95.1	87.7	88	97.4	104	101	84.2	94.8
12/13/1999	96.5	94.7	95.4	95.7	100	99.6	101	95.5
12/25/1999, 01/06/2000	96.8	96.7	95.5	98.5	103	101	104	95.2
01/18/2000	101	102	101	103	99.2	99.9	107	97.7
01/30/2000	110	97.3	98.3	103	115	104	92.4	105
02/11/2000	109	108	108	107	109	102	102	107
03/18/2000	103	95.8	97.1	97.6	93.4	98.0	131	99.9
04/11/2000, 04/23/2000	99.4	97.3	98.4	99.3	112	104	95.1	103
05/05/2000, 05/17/2000	113	113	115	109	105	105	91.1	114
05/29/2000, 06/10/2000	96.1	97.9	97.9	95.2	110	106	93.2	94.3
06/29/2000, 07/11/2000	88.8	93.3	94.2	90.6	114	113	84.9	87.4
07/23/2000, 08/04/2000	102	101	102	102	100	99.0	106	102
08/16/2000, 08/28/2000, 09/09/2000	108	109	110	110	115	116	101	109
09/21/2000, 10/03/2000	95.4	93.1	91.4	100	93.1	92.8	89.2	93.6
11/08/2000	110	105	109	111	99.3	98.4	99.3	101
11/20/2000, 12/02/2000	112	103	104	120	120	119	119	110
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	97.5	98.0	97.7	103	101	103	98.5	96.6
01/19/2001, 01/31/2001	101	99.7	102	108	111	107	103	96.1
02/12/2001, 02/24/2001	122	91.9	90.2	129	113	107	100	111
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	107	99.3	101	130	102	98.7	94.9	111
04/25/2001, 05/07/2001	109	91.8	92.3	101	104	102	93.8	109
05/19/2001, 05/31/2001	125	104	104	128	94.8	96.5	102	105
06/12/2001, 06/24/2001	112	111	111	124	110	100	90.0	103
07/05/2001	101	110	105	115	112	112	92.8	98.4
07/16/2001	116	114	113	117	106	106	96.0	112
08/08/2001	114	116	121	121	131	124	102	107
08/23/2001	124	112	113	129	119	123	99.1	105
09/16/2001, 09/28/2001	117	104	105	117	102	97.0	91.5	118

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Sampling date (mm/dd/yyyy)	Methyl methacrylate	1,2,3,4-Tetra-methyl-benzene	Ethyl <i>tert</i> -butyl ether (ETBE)	<i>tert</i> -Amyl methyl ether (TAME)	<i>trans</i> -1,4-Di-chloro-2-butene	Ethyl methacrylate	Carbon disulfide	<i>cis</i> -1,2-Dichloro-ethene
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	84.7	116	84.5	81.7	90.4	88.8	102	110
10/26/1999	101	105	97.1	96.9	87.8	95.3	76.6	98.4
11/07/1999	89.7	108	101	95.9	98.2	106	97.1	101
11/19/1999	116	97.2	99.8	103	116	119	95.4	97.4
12/13/1999	89.4	97.2	93.9	92.4	104	87.7	90.2	98.3
12/25/1999, 01/06/2000	65.9	101	94.1	92.3	95.4	71.7	111	100
01/18/2000	114	106	101	109	79.9	119	93.5	93.9
01/30/2000	83.5	107	88.5	88.3	105	84.7	90.7	99.3
02/11/2000	90.2	109	86.1	84.3	121	94.3	106	104
03/18/2000	100	97.9	98.6	102	75.8	104	93.2	111
04/11/2000, 04/23/2000	109	100	105	107	119	88.6	92.1	99
05/05/2000, 05/17/2000	126	104	84.5	81.6	94.4	123	109	103
05/29/2000, 06/10/2000	114	99.9	99.5	102	109	117	117	102
06/29/2000, 07/11/2000	112	99.7	90.4	78.4	111	120	92.2	99.7
07/23/2000, 08/04/2000	101	99.9	92.2	89.4	113	106	99.4	93.4
08/16/2000, 08/28/2000, 09/09/2000	83.3	116	89.0	86.6	90.7	80.4	118	106
09/21/2000, 10/03/2000	114	103	98.5	98.1	98.8	113	93.1	93.1
11/08/2000	92.4	113	92.9	88.8	103	109	97.3	98.9
11/20/2000, 12/02/2000	74.9	125	105	96.6	101	82.0	112	119
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	120	98.6	95.0	105	97.7	120	83.0	86.1
01/19/2001, 01/31/2001	72.4	104	94.0	96.8	84.6	84.9	99.8	98.8
02/12/2001, 02/24/2001	111	122	100	103	108	106	93.2	101
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	98.0	114	99.8	101	122	98.1	95.4	93.4
04/25/2001, 05/07/2001	99.5	105	97.9	97.2	97.5	105	99.7	98.2
05/19/2001, 05/31/2001	98.3	135	101	99.1	83.8	103	99.9	99.0
06/12/2001, 06/24/2001	112	111	103	103	115	124	81.9	91.5
07/05/2001	133	122	124	113	113	134	101	101
07/16/2001	124	122	117	118	127	130	97.9	101
08/08/2001	109	112	127	122	126	108	91.2	102
08/23/2001	125	119	92.9	87.1	108	122	95.4	97.8
09/16/2001, 09/28/2001	101	118	93.0	75.8	108	101	108	97.6

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

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Sampling date (mm/dd/yyyy)	2-Hexanone (MBK)	Ethenyl- benzene (Styrene)	o-Xylene	1,1-Dichlo- ropropene	2,2-Di- chloro- propane	1,3-Di- chloro- propane	2-Ethyl- toluene	1,2,3-Tri- methyl- benzene
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	105	104	104	97.2	113	79.6	103	110
10/26/1999	96.6	103	101	99.0	93	95.3	101	99.8
11/07/1999	104	105	103	101	100	102	104	99.7
11/19/1999	104	94.6	89.3	97.6	108	96.9	89.3	91.5
12/13/1999	95.3	99.8	98.3	100	93.8	99.1	98.6	94.7
12/25/1999, 01/06/2000	106	99.8	97.6	98.6	91.6	100	97.2	97.7
01/18/2000	97.3	105	103	88.5	86.9	104	104	105
01/30/2000	121	105	101	97.9	96.3	113	96.7	98.6
02/11/2000	105	108	107	104	103	103	106	106
03/18/2000	89.4	97.2	99.5	103	120	103	96.5	92.3
04/11/2000, 04/23/2000	103	96.1	97.7	102	129	102	97.1	98.4
05/05/2000, 05/17/2000	101	116	113	99.7	102	100	106	115
05/29/2000, 06/10/2000	109	101	99.1	100	115	102	98.6	96.4
06/29/2000, 07/11/2000	111	103	106	104	80.5	111	103	103
07/23/2000, 08/04/2000	96.0	96.7	97.1	96.8	88.1	104	100	101
08/16/2000, 08/28/2000, 09/09/2000	121	115	111	106	92.5	114	116	115
09/21/2000, 10/03/2000	87.0	89.1	89.6	90.5	86.1	95.2	93.4	96.9
11/08/2000	100	108	104	98	88.1	96.7	115	115
11/20/2000, 12/02/2000	95.3	115	113	119	112	116	131	116
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	92.6	103	97.8	93.7	77.2	101	104	105
01/19/2001, 01/31/2001	127	96.1	99.8	99.0	85.6	115	98.3	107
02/12/2001, 02/24/2001	110	92.0	92.4	96.4	107	100	89.7	91.4
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	95.8	123	109	94.6	92.8	96.9	109	112
04/25/2001, 05/07/2001	119	95.0	93.9	101	102	100	98.2	91.3
05/19/2001, 05/31/2001	94.5	101	98.6	100	102	98.0	103	111
06/12/2001, 06/24/2001	118	98.1	92.2	94.6	102	97.1	101	115
07/05/2001	117	107	109	105	105	110	109	123
07/16/2001	115	126	121	104	90.3	102	126	121
08/08/2001	129	122	115	115	104	116	117	128
08/23/2001	114	113	105	118	90.7	110	112	130
09/16/2001, 09/28/2001	105	95.1	93.3	96.4	89.3	95.7	100	106

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 324141117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	1,2,4-Tri- methyl- benzene	Isopropyl- benzene (Cumene)	n-Propyl- benzene	1,3,5-Tri- methyl- benzene	1-Chloro- 2-methyl- benzene	1-Chloro-4- methyl- benzene	Bromo- chloro- methane	n-Butyl- benzene
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	105	102	102	103	103	104	117	111
10/26/1999	104	103	103	103	101	102	86.0	99.3
11/07/1999	104	104	103	104	102	103	102	102
11/19/1999	90.5	90.4	90.4	90.2	81.1	91.9	106	90.4
12/13/1999	99.2	98.1	101	98.3	97.9	99.4	96.6	94.2
12/25/1999, 01/06/2000	97.8	96.5	98.7	96.5	95.9	95.7	105	98.0
01/18/2000	105	103	105	105	102	107	104	104
01/30/2000	89.1	98.5	99.2	100	97.9	99.1	87.8	102
02/11/2000	106	106	106	107	107	105	113	108
03/18/2000	97.6	98	97.2	97.2	95.2	96.3	96.8	95.0
04/11/2000, 04/23/2000	98.2	101	97.3	98.1	96.4	97.4	83.7	98.6
05/05/2000, 05/17/2000	108	109	111	112	107	106	106	115
05/29/2000, 06/10/2000	98.2	99.6	98.2	99.9	100	101	99.0	98.6
06/29/2000, 07/11/2000	101	101	110	101	108	109	121	108
07/23/2000, 08/04/2000	98.5	96.8	98.2	99.6	97.5	99.4	110	103
08/16/2000, 08/28/2000, 09/09/2000	121	115	115	120	110	114	111	112
09/21/2000, 10/03/2000	93.4	92.3	91.2	92	88.5	90.9	96.0	97.0
11/08/2000	116	107	115	116	104	110	98.4	113
11/20/2000, 12/02/2000	123	120	104	123	115	117	98.9	119
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	96.8	105	101	102	99.7	102	87.6	103
01/19/2001, 01/31/2001	103	98.6	91.8	92.1	91.0	96.4	91.9	110
02/12/2001, 02/24/2001	91.1	92.8	98.5	91.7	93.4	91.8	101	121
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	124	116	113	115	113	121	78.1	115
04/25/2001, 05/07/2001	95.8	98.6	98.1	96.3	94.7	95.3	96.9	100
05/19/2001, 05/31/2001	107	99.9	102	103	100	101	125	122
06/12/2001, 06/24/2001	103	101	101	103	98.9	101	92.9	115
07/05/2001	111	108	110	108	108	108	105	124
07/16/2001	122	120	129	123	116	120	98.8	118
08/08/2001	124	119	127	118	121	124	97.7	118
08/23/2001	119	108	109	117	110	112	90.2	119
09/16/2001, 09/28/2001	99.3	96.7	97.4	99.2	98.9	99.6	97.7	111

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 32414117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	<i>sec</i> -Butyl- benzene	<i>tert</i> -Butyl- benzene	1-Isopropyl- 4-methyl- benzene	1,2,3-Tri- chloro- propane	1,1,1,2-Tetra- chloro- ethane	1,2,3-Tri- chloro- benzene	1,2-Di- bromo- ethane	Methyl <i>tert</i> - butyl ether (MTBE)
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	103	103	110	99.0	108	118	81.1	94.3
10/26/1999	102	103	100	106	105	108	94.4	98.3
11/07/1999	103	104	101	105	105	106	103	103
11/19/1999	88.8	88.1	92.1	91.7	99.3	98.4	106	98.6
12/13/1999	98.0	97.3	94.9	97.7	98.7	94.9	100	94.9
12/25/1999, 01/06/2000	95.1	96.2	97.6	99.1	101	95.1	98.9	94.5
01/18/2000	103	103	105	101	109	95.9	106	97.1
01/30/2000	92.1	92.4	96.8	98.9	119	103	117	92.4
02/11/2000	105	104	107	109	104	107	104	93.3
03/18/2000	97.4	97.9	95.5	97.2	100	97.1	102	99.1
04/11/2000, 04/23/2000	96.7	97.6	98.4	99.5	105	97.4	115	103
05/05/2000, 05/17/2000	128	107	115	111	98.9	111	98.5	96.5
05/29/2000, 06/10/2000	98.9	98.5	98.2	104	103	95.4	106	104
06/29/2000, 07/11/2000	103	97.2	99.5	91.1	87.0	85.7	96.3	82.7
07/23/2000, 08/04/2000	100	100	102	96.1	95.6	102	108	87.5
08/16/2000, 08/28/2000, 09/09/2000	113	115	115	109	117	105	116	98.0
09/21/2000, 10/03/2000	94.0	92.8	98.1	83.8	91.9	96.8	93.8	95.5
11/08/2000	115	115	117	104	96.3	104	99.3	90.6
11/20/2000, 12/02/2000	131	119	118	115	113	115	115	116
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	106	102	102	96.6	99.9	94.9	101	93.3
01/19/2001, 01/31/2001	104	99.4	109	102	111	104	113	96.5
02/12/2001, 02/24/2001	92.4	90.2	91.0	89.2	102	124	103	104
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	130	119	114	105	98.5	106	95.0	96.4
04/25/2001, 05/07/2001	101	94.5	92.8	94.4	102	105	100	96.0
05/19/2001, 05/31/2001	104	102	112	99.4	101	128	101	100
06/12/2001, 06/24/2001	101	101	114	92.4	97.8	110	97.4	98.2
07/05/2001	118	96.4	120	96.5	96.9	111	108	115
07/16/2001	123	125	124	111	97.7	113	104	104
08/08/2001	125	118	129	92.4	103	123	116	127
08/23/2001	114	108	126	88.9	113	120	109	97.1
09/16/2001, 09/28/2001	104	94.0	106	101	95.9	114	94.0	88.6

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 32414117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	3-Chloro-1-propene	4-Methyl-2-pentanone (MIBK)	Acetone	Bromo-benzene	Diethyl ether	Diiso-propyl ether (DIPE)	Methyl acrylonitrile	2-Butanone (methyl ethyl ketone)	Methyl acrylate
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	99.1	101	139	102	97.3	96.5	111	90.9	93.9
10/26/1999	77.1	98.1	76.4	101	102	102	102	96.2	105
11/07/1999	86.9	98.8	110	104	102	99.0	99.6	102	91.9
11/19/1999	93.5	101	110	88.9	98.1	99.0	94.4	107	117
12/13/1999	88.0	95.8	98.6	94.6	102	97.3	101	97.0	92.8
12/25/1999, 01/06/2000	94.2	104	103	100	102	99.8	104	102	68.1
01/18/2000	101	103	91.4	102	97.7	92.2	98.3	86.9	109
01/30/2000	87.8	114	98.0	95.3	99.1	94.7	100	97.1	86.7
02/11/2000	106	105	108	107	108	104	106	112	95.6
03/18/2000	81.7	94.7	96.5	97.1	105	99.7	100	96.3	99.0
04/11/2000, 04/23/2000	69.8	101	82.4	96.2	99.7	99.7	101	108	117
05/05/2000, 05/17/2000	117	102	110	105	106	102	102	114	137
05/29/2000, 06/10/2000	108	104	114	99	107	100	101	111	114
06/29/2000, 07/11/2000	118	113	123	118	110	119	118	101	104
07/23/2000, 08/04/2000	94.9	96.2	97.0	96.2	97.5	94.8	95.3	101	102
08/16/2000, 08/28/2000, 09/09/2000	90.6	117	89.3	107	107	105	107	121	72.2
09/21/2000, 10/03/2000	102	86.4	89.0	85.4	92.8	92.1	90.9	90.0	106
11/08/2000	88.7	101	91.6	100	99.8	93.1	101	97.5	104
11/20/2000, 12/02/2000	75.7	111	71.4	113	124	117	127	118	76.3
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	88.2	108	89.2	98.5	91.5	94.2	86.4	83.9	95.5
01/19/2001, 01/31/2001	82.8	131	103	94.7	103	97.3	107	101	72.0
02/12/2001, 02/24/2001	103	102	82.8	91.0	79.5	99.9	106	99.5	110
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	56.6	116	69.8	104	94.0	99.4	95.7	101	96.1
04/25/2001, 05/07/2001	91.4	110	92.0	90.8	100	103	98.3	99.6	96.3
05/19/2001, 05/31/2001	125	97.1	121	99.3	107	98.3	96.4	102	103
06/12/2001, 06/24/2001	110	110	77.5	95.5	94.4	102	102	100	105
07/05/2001	128	126	101	110	111	115	119	113	124
07/16/2001	104	116	107	116	102	110	110	107	107
08/08/2001	126	131	106	120	124	127	129	125	134
08/23/2001	123	116	101	110	106	124	123	97.9	116
09/16/2001, 09/28/2001	88.8	107	86.2	97.9	94.0	96.9	101	96.6	102

Table 17B. Quality-control analytical results for cartridge spike for volatile organic compounds (VOC) with high breakthrough volumes for the Sweetwater Reservoir air sampling site, San Diego County, California—Continued.

[The site identification number is 32414117001601. Values are given in percent recovery. Sample volume for quality-assurance spike is 5.0 liters. Samples processed at 20.0 degrees Celsius and 760 torr; many samples were frozen at the laboratory and analyzed on the same day. Data for travel blanks and environmental samples collected on 10/27/2000 were not used because samples were contaminated during transport. mm/dd/yyyy, month/day/year; *, sample data lost; NA, not analyzed]

Sampling date (mm/dd/yyyy)	Tetrahydrofuran	1,2-Dibromo-3-chloropropane (DBCP)	<i>m- and p-Xylene</i>	1,2,3,5-Tetramethylbenzene	1,2,4,5-Tetramethylbenzene	Methyl acetate	2-Methyl-2-butanol (<i>tert</i> -Amyl alcohol)	2-Methyl-2-propanol (<i>tert</i> -Butyl alcohol)	<i>tert</i> -Butyl alcohol
10/02/1999*	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/13/1999	75.1	125	102	116	116	93.9	54.7	69.2	69.2
10/26/1999	100	117	103	105	102	98.0	91.4	96.6	96.6
11/07/1999	107	107	103	105	105	93.2	106	73.8	73.8
11/19/1999	99.3	131	90.6	95.0	94.9	130	114	108	108
12/13/1999	108	95.6	99.0	97.3	96.9	89.6	82.2	85.6	85.6
12/25/1999, 01/06/2000	101	86.5	98.1	97.2	99.0	80.2	63.4	73.8	73.8
01/18/2000	90.9	96.5	104	104	108	92.0	110	109	109
01/30/2000	95.8	115	104	102	103	76.7	59.9	80.2	80.2
02/11/2000	108	129	107	107	108	86.2	68.3	83.3	83.3
03/18/2000	104	83.3	98.0	96.8	97.5	108	108	113	113
04/11/2000, 04/23/2000	99.5	122	98.2	96.5	98.5	124	111	112	112
05/05/2000, 05/17/2000	104	130	117	97.2	102	127	122	128	128
05/29/2000, 06/10/2000	108	114	101	97.8	99.8	95.1	112	113	113
06/29/2000, 07/11/2000	108	102	108	98.4	99.0	74.1	78.6	78.4	78.4
07/23/2000, 08/04/2000	96.9	82.8	91.8	103	95.5	96.7	95.7	92.1	92.1
08/16/2000, 08/28/2000, 09/09/2000	112	108	114	118	120	50.4	79.9	75.5	75.5
09/21/2000, 10/03/2000	92.4	89.9	87.7	101	99.3	86.1	105	104	104
11/08/2000	102	107	125	115	114	97.6	98.3	101	101
11/20/2000, 12/02/2000	123	103	115	123	124	73.2	73.9	70.7	70.7
12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/26/2000, 01/07/2001	93.7	89.8	99.2	101	103	88.6	113	100	100
01/19/2001, 01/31/2001	96.7	110	89.6	100	103	87.4	75.6	81.2	81.2
02/12/2001, 02/24/2001	105	128	92.0	121	123	125	130	130	130
03/08/2001, 03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/01/2001, 04/13/2001	99.4	95.9	106	106	122	71.6	101	94.1	94.1
04/25/2001, 05/07/2001	97.7	114	93.0	105	115	74.7	91.6	82.6	82.6
05/19/2001, 05/31/2001	110	108	98.2	134	134	112	122	115	115
06/12/2001, 06/24/2001	103	116	127	125	126	90.8	118	107	107
07/05/2001	115	120	99.2	124	124	132	150	131	131
07/16/2001	110	125	121	123	123	96.3	126	118	118
08/08/2001	123	122	121	109	129	111	112	129	129
08/23/2001	96.6	130	111	120	121	98.5	94.5	108	108
09/16/2001, 09/28/2001	100	114	94.6	114	117	75.1	78.0	72.4	72.4