In cooperation with the U.S. Environmental Protection Agency, Office of Ground Water & Drinking Water

Data from Archived Chromatograms on Halogenated Volatile Organic Compounds in Untreated Ground Water used for Drinking Water in the United States, 1997-2000

Open-File Report 03-352

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

U.S. Department of the Interior
U.S. Geological Survey

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By Stephanie Dunkle Shapiro, Eurybiades Busenberg, L. Niel Plummer, and Michael J. Focazio

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Abbreviations and Acronyms

CFC	Chlorofluorocarbon
CFC-11	Trichloromonofluoromethane
CFC-12	Dichlorodifluoromethane
CFC-113	1,1,2-trichloro-1,2,2-trifluoroethane
GC-ECD	Gas Chromatograph-Electron Capture Detector
USGS	United States Geological Survey
VOC	Volatile Organic Compound
µg/L	Micrograms per liter
pg/kg	Picograms per kilogram

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ABSTRACT

This report presents tables of data that are discussed and interpreted in a companion report (Shapiro and others, in press). Data on the frequency of detection of halogenated volatile organic compounds (VOCs) in drinking-water sources were compiled from archived chromatograms from samples analyzed originally for chlorofluorocarbons (CFCs) by purge-and-trap gas chromatography with an electron-capture detector. CFC concentrations and VOC peaks, including trace detections, are reported from samples of raw, untreated, drinking water from 413 ground-water wells or springs in 19 states. The samples were collected and then analyzed in the U.S. Geological Survey CFC Laboratory from 1997 through 2000. The subset of data used in this investigation is internally consistent with respect to sampling and analysis. Modeled piston-flow ground-water residence times are assigned to each sample based on dichlorodifluoromethane concentrations. The data can be used to help evaluate the impact of anthropogenic activity on drinking water from ground-water sources in the U.S.

INTRODUCTION

Recent surveys have focused on characterizing the extent of volatile organic compound (VOC) contamination in ground water (Westrick, 1990; Bender and others, 1999; Moran and others, 1999; Squillace and others, 1999; Lapham and others, 2000; Rowe and others, 2001; Zogorski and others, 2001; Shapiro and others, 2002; Moran and others, 2002; Squillace and others, 2002; Stackelberg and others, 2000). Shapiro and others (2002) showed that the percentage of drinking-water sites containing at least trace concentrations of one VOC was significantly larger than previously recognized when the detection limit is reduced (Mlay 1990; Squillace and others, 1999; Squillace and others, 2002). Shapiro and others (in press) evaluated the occurrence of selected halogenated VOCs at a detection limit of 10^{-6} µg/L in water samples taken from community-, non-community- (such as restaurants), and domestic-supply wells throughout the U.S. In addition, Shapiro and others (in press) used modeled piston-flow ground-water residence times, determined from concentrations of dichlorodifluoromethane (CFC-12), to assess historical trends in the detection frequency and the magnitude of VOC concentrations for all the VOCs combined, and for selected VOCs, such as carbon tetrachloride (CCl_4), chloroform, and tetrachloroethene (PCE).

The purpose of this report is to present data that are discussed and interpreted in a companion report (Shapiro and others, in press). The data presented in this report are

internally consistent with respect to sampling and analysis and are not affected by the analytical complications that affected the data in Shapiro and others (2002). The samples were all analyzed on the same instrument, with analysis times of 18 minutes or greater, and when instrument conditions remained relatively stable (see the discussion of laboratory conditions in Shapiro and others, 2002). In addition, the data set in this report includes trace VOC peaks and modeled piston-flow ground-water recharge years for each sample based on dichlorodifluoromethane (CFC-12) concentrations that were not included in Shapiro and others (2002).

APPROACH

The data compiled by Shapiro and others (2002) were obtained from archived chromatograms that were originally used to measure concentrations of CFC-12, trichloromonofluoromethane (CFC-11), and 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) in water samples by purge-and-trap gas chromatography with an electron capture detector (GC-ECD). These analyses were performed in the United States Geological Survey (USGS) Chlorofluorocarbon (CFC) Laboratory, in Reston, VA. The analytical detection limit for CFCs is somewhat variable depending on laboratory and sample conditions, but was in the range of 0.3 to 1.0 picograms per kilogram of water (0.3×10^{-12} to 1.0×10^{-12} grams per kilogram, or 0.3 to 1.0 parts per quadrillion). The CFC concentrations can be converted to atmospheric partial pressures using Henry's Law and can be related to historic atmospheric concentrations of CFCs to estimate the apparent year a water sample was recharged to a ground-water-flow system (Busenberg and Plummer, 1992; Plummer and Friedman, 1999; Plummer and Busenberg, 2000; http://water.usgs.gov/lab/cfc (accessed on July 31, 2003)).

Because of the sensitivity of the GC-ECD to halogenated VOCs (such as CFC-11, CFC-12 and CFC-113), the archived chromatograms from the USGS CFC Laboratory include information on the occurrence of a variety of other halogenated VOCs (such as CCl_4, chloroform, and PCE) that can be used to assess the occurrence of VOCs in ground water (Shapiro and others, 2002). It is difficult to specify that a given peak appearing on a CFC chromatogram is a particular compound due to the lack of standards used in the CFC Laboratory for specific VOCs other than the CFCs and to variations in the conditions of the instrument over time. However, certain VOCs that routinely appear on the chromatograms have been identified on the basis of a limited number of VOC standards used periodically (Shapiro and others, 2002). The exact concentration of these VOCs cannot be ascertained from the archived chromatograms because the standards were not routinely utilized for VOCs other than CFC-11, CFC-12 and CFC-113. Nevertheless, the peak areas associated with the elution times of other VOCs on the chromatograms can be classified qualitatively to assess a range in the concentrations between the lower detection limit of parts per quadrillion and the upper detection limit of parts per billion (10^{-3} µg/L). The exact range will depend on the specific VOC under consideration (see Shapiro and others, 2002 for a more detailed discussion). The USGS CFC Laboratory does not accept samples from wells that have known contamination with VOCs, because such samples saturate the GC-ECD system and disrupt the measurements of CFCs. Therefore, the archived chromatograms from the USGS CFC Laboratory did not include many samples with maximum contaminant level (MCL) violations, and the drinking-water samples used in this survey have not been impacted by known accidental releases of VOCs to the ground water.

In Shapiro and others (2002), peak areas on the GC-ECD chromatograms were classified as 'S' (small), 'M' (medium), and 'L' (large), corresponding to peak areas of 100,000-499,999 counts, 500,000-999,999 counts, and 1,000,000 or more counts, respectively. In this report, the additional classification of 'VS' (very small) is also included for peak areas on the archived GC-ECD chromatogram of less than 100,000 counts. Such peaks are discernible on the archived chromatograms and routinely used to evaluate concentrations in water in parts per quadrillion of CFC-11, CFC-12 and CFC-113. The addition of the 'VS' peaks in this investigation was necessary for additional interpretation of atmospheric inputs of VOCs to ground water as discussed in Shapiro and others (in press).

This report uses a subset of the data compiled by Shapiro et al. (2002) consisting of analyses of samples from 413 ground-water wells or springs that were a source of untreated drinking water. The water samples were collected from community-, non-community- (such as restaurants), and domestic-supply wells throughout the U.S. from 1997 through 2000, using metal discharge tubing, and were fused in borosilicate ampoules without contacting air (Busenberg and Plummer, 1992). The samples were all analyzed on the same instrument, with analysis times of 18 minutes or greater, and when instrument conditions remained relatively stable (see the discussion of laboratory conditions in Shapiro and others, 2002). The data presented in this report, and interpreted in Shapiro and others (in press), are internally consistent and are not affected by the analytical complications that affected the data in Shapiro and others (2002). In addition, the data set in this report includes the 'VS' VOC peaks discussed above, and modeled piston-flow ground-water recharge years for each sample based on dichloro-difluoromethane (CFC-12) concentrations. Concentrations of CFC-12 were used in this investigation to estimate the modeled recharge year because CFC-12 appears to the most stable of the three CFC tracers used in dating water (Busenberg and Plummer, 1992; Plummer and Friedman, 1999; Plummer and Busenberg, 2000; http://water.usgs.gov/lab/cfc (accessed on July 31, 2003)).

DATA ON VOC DETECTIONS

Field information for the 413 ground-water sites is presented in Table 1. This information has been published previously as part of the larger data set included in Shapiro and others (2002). The data are republished here, but limited to only those sites included in the companion report (Shapiro and others, in press). Information presented for each site includes, where available, state location, depth of well, length of open interval, land-surface elevation, water temperature, ground-water use, local land use, geochemical conditions during sampling, hydrologic conditions, sampling method and field conditions, materials that contacted the sample, and other ancillary data. Not all information was available for each site. Categories such as ground-water use, local land use, geochemical conditions during sampling, hydrologic conditions, sampling method, field conditions, and materials that contacted the sample were populated using codes developed by the USGS Chlorofluorocarbon Laboratory to aid in the interpretation of CFC concentrations. These codes are shown in Table 2. The counter utilized in Table 1 is the same as that used in Shapiro and others (2002). Table 3 includes CFC and VOC data, including CFC-11, CFC-12, and CFC-113 concentrations and peak areas, CFC-12 modeled recharge years, and the elution times and peak areas for each VOC peak detected. The same counter that is utilized in Table 1, and in Shapiro and others (2002), is also used in Table 3.

Table 1. Field information for all sites included in this report

[Codes for specific columns are shown in Table 2; NA, not available; C, centigrade]

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
32	AK	NA	NA	NA	NA	NA	NA	NA	1f	NA	10	NA	NA	NA	19-Aug-99
33	AK	263	NA	NA	525	NA	NA	NA	1f	NA	10	NA	NA	NA	17-Aug-99
34	AK	246	NA	NA	NA	NA	NA	NA	1f	NA	10	NA	NA	NA	17-Aug-99
35	AK	305	NA	NA	NA	NA	NA	NA	1f	NA	10	NA	NA	NA	18-Aug-99
36	AK	625	NA	NA	649	NA	NA	NA	1f	NA	10	NA	NA	NA	18-Aug-99
37	AK	600	NA	NA	600	NA	NA	NA	1f	NA	10	NA	NA	NA	19-Aug-99
38	AK	545	NA	NA	NA	NA	NA	NA	1f	NA	10	NA	NA	NA	19-Aug-99
39	AK	387	NA	NA	NA	NA	NA	NA	1f	NA	10	NA	NA	NA	18-Aug-99
136	CO	102	50	3	8568	1	NA	6.9	1a	2	10	0,9	2,3	4	21-Aug-98
138	CO	185	40	0	8920	1,5	NA	10.1	1b	2	10	0,9	1,2,3,10	4	26-Aug-98
139	CO	NA	NA	3	8339	1	NA	8.5	1f	2	10	0,9	2,3,10	4	19-Aug-98
140	CO	145	65	4	8685	1	NA	6.5	1f	2	10	0,9	1,2,3,10	4	25-Aug-98
142	CO	100	60	4	8677	2,10	NA	6.2	1f	2	10	0,9	1,2,3,10	4	27-Aug-98
143	CO	120	NA	4	8694	2,10	NA	7.3	1f	2	10	0,9	2,3,10	4	25-Aug-98
144	CO	120	20	4	8755	2,10	NA	8.0	1f	2	10	0,9	2,3,10	4	25-Aug-98
145	CO	91	10	4	8695	2,10	NA	11.4	1f	2	10	0,9	2,3,10	NA	26-Aug-98
146	CO	45	NA	3	8377	2,10	NA	8.0	1f	2	10	0,9	2,3,10	4	24-Aug-98
147	CO	25	NA	4	8321	2,10	NA	7.1	1f	2	10	0,9	2,3,10	4	17-Aug-98
148	CO	30	NA	3	8342	2,10	NA	7.7	1f	2	10	0,9	2,3,10	4	24-Aug-98
149	CO	65	NA	3	8332	2,10	NA	7.0	1f	2	10	0,9	2,3,10	4	18-Aug-98
150	CO	85	16	4	8610	2,10	NA	6.0	1f	2	10	0,9	2,3,10	4	26-Aug-98
151	CO	75	40	0	8531	2,10	NA	7.7	1f	2	10	0,9	1,2,3,10	4	27-Aug-98
152	CO	200	80	0	8457	2,10	NA	9.8	1f	2	10	0,9	1,2,3,10	4	18-Aug-98
153	CO	80	20	4	8678	2,10	NA	7.8	1f	2	10	0,9	2,3,10	4	20-Aug-98
291	GA	386	366	3	993	5	NA	NA	1a	NA	10	NA	NA	NA	03-Jun-97
292	GA	302	276	3	993	5	NA	NA	1a	NA	10	NA	NA	NA	04-Jun-97
406	HI	1160	160	0,1	960	2,3,5,7,9,11	4,7,11,14,17	21.0	1a	1	10	1	2,3	2,3,4	11-Jan-00
407	HI	460	104	3	34	1,4,5,9,11	2,4,7,11,14,17	21.5	1b	12	10	1	2,3	2,4	15-Feb-00
408	HI	870	100	3,4	720	2,3,5,7,9,11	4,7,11,14,17	21.0	1b	2	10	1	2,3	2,4	22-Feb-00
409	HI	970	42	1,5	1145	2,3,5,7,9,11	2,4,7,11,14,17	21.0	1a	2	10	1	2,3	2,4	23-Feb-00
410	HI	241	165	1,5	18	1,4,5,9,11	2,4,7,11,14,17	22.0	1b	12	10	1	2,3	2,4	28-Feb-00
411	HI	319	209	1	29	1,4,5,9,11	2,4,7,11,14,17	23.0	1a	12	10	1	2,3	2,4	01-Mar-00
412	HI	990	160	1,5	872	2,3,5,9,11	2,4,7,11,14,17	23.0	1a	1	10	1	2,3	2,3,4	07-Mar-00
413	HI	264	184	1,4,5	276	2,3,5,9,11	2,4,7,11,14,17	21.0	1a	1	10	1	2,3	2,4	08-Mar-00
414	HI	276	101	3	21	1,4,5,9,11	4,7,11,14,17	21.5	1b	1	10	1	2,3	2,4	21-Mar-00
415	HI	991	165	1	745	2,3,5,9,11	2,4,7,11,14,17	21.5	1b	2	10	1	2,3	2,4	28-Mar-00
416	HI	490	261	3	21	1,4,5,11	4,7,11,14,17	21.0	1a	12	10	0	2,3	2,4	08-May-00
417	HI	335	150	3,5	35	1,4,5,11	4,7,11,14,17	21.5	1a	2	10	0	2,3	2,4	09-May-00
418	HI	358	70	4	258	2,3,5,7,9,11	2,4,7,11,14,17	21.0	1a	2	10	1	2,3	2,4	10-May-00
419	HI	413	192	4	159	2,3,5,7,9,11	3,4,7,11,14,17	21.0	1a	1	10	0	2,3	2,4	15-May-00
420	HI	327	200	4	102	2,3,5,7,9,11	3,4,7,11,14,17	20.5	1a	1	10	0	2,3	2,4	16-May-00
421	HI	750	100	4	620	2,3,5,7,9,11	3,4,7,11,14,17	20.5	1a	1	10	1	2,3	2,4	17-May-00
422	HI	342	103	1,4	207	2,3,5,9,11	2,4,7,11,14,17	22.5	1a	1	10	0	2,3	2,4	22-May-00
423	HI	466	121	3	56	1,4,5,11	2,4,7,11,14,17	21.5	1a	2	10	0	2,3	2,4	23-May-00
424	HI	610	150	1,4	417	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	30-May-00

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
425	HI	268	80	1,4	141	2,3,5,9,11	2,4,7,11,14,17	23.5	1a	1	10	0	2,3	2,4	31-May-00
426	HI	625	75	1	412	1,3,5,9,11	4,7,11,14,17	22.5	1a	1	10	0	2,3	2,4	05-Jun-00
427	HI	534	84	1	419	1,3,5,9,11	4,7,11,14,17	22.5	1a	1	10	0	2,3	2,4	06-Jun-00
428	HI	337	103	4	202	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	07-Jun-00
429	HI	1012	210	4	762	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	12-Jun-00
430	HI	821	169	4,5,10	873	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	13-Jun-00
431	HI	336	100	1	207	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	14-Jun-00
432	HI	151	57	0,1	81	2,3,5,7,9,11	4,7,11,14,17	20.5	1a	1	10	0	2,3	2,4	19-Jun-00
433	HI	546	100	4	416	2,3,5,9,11	2,4,7,11,14,17	22.0	1a	1	10	0	2,3	2,4	26-Jun-00
434	HI	710	106	1	571	2,3,5,9,11	2,4,7,11,14,17	21.0	1a	1	10	1	2,3	2,4	27-Jun-00
435	HI	814	110	4	664	2,3,5,9,11	2,4,7,11,14,17	22.5	1a	1	10	0	2,3	2,4	28-Jun-00
436	HI	413	191	4	159	2,3,5,7,9,11	3,4,7,11,14,17	20.5	1a	1	10	0	2,3	2,4	10-Jul-00
437	HI	327	200	4	102	2,3,5,7,9,11	3,4,7,11,14,17	21.5	1a	1	10	0	2,3	2,4	11-Jul-00
438	HI	750	100	4	620	2,3,5,7,9,11	3,4,7,11,14,17	22.5	1a	1	10	1	2,3	2,4	12-Jul-00
471	IA	103	14	1,3	873	5	3,4,7,10,15,18	11.0	1f	2	10	9	3,5	1	29-Apr-98
472	IA	275	110	1,3	876	5	3,4,7,11,15,18	10.5	1a	2	10	9	3,5	1	29-Apr-98
473	IA	275	107	1,3	876	5	3,4,7,11,15,18	10.5	1a	2	10	9	3,5	1	29-Apr-98
474	IA	145	53	1,3	881	5	3,4,7,11,15,18	11.7	1a	2	10	9	3,5	1	29-Apr-98
681	MN	41	10	0	NA	2	4,7,17	8.9	1a	1	10	NA	2,3	1,4	18-May-97
682	MN	80	8	0	NA	1	4,7,18	10.0	1a	1	10	NA	2,3	1,4,6	28-Apr-97
683	MN	102	20	0	NA	2	4,7,16	8.7	1a	1	10	NA	2,3	1,4	05-May-97
684	MN	126	76	4	NA	1	4,7,17	10.4	1a	1	10	NA	2,3	1,4	17-Apr-97
685	MN	370	89	4	NA	NA	4,7,17	9.8	1a	1	10	NA	2,3	1,4	17-Apr-97
686	MN	44	4	0	NA	2	4,7,17	7.9	1a	1	10	NA	2,3	1,4	08-May-97
687	MN	55	5	0	NA	2	4,7,17	10.4	1f	1	10	NA	2,3	1,4	30-Apr-97
688	MN	41	5	0	NA	2	4,7,16	9.7	1b	1	10	NA	2,3	1,4	01-May-97
697	MN	97	22	0	NA	2	4,7,16	8.2	1a	1	10	NA	2,3	1,4	16-Apr-97
700	MN	58	4	0	NA	2	4,7,17	12.8	1f	1	10	NA	2,3	1,4	01-May-97
701	MN	210	63	4	NA	1	4,7,16	10.6	1a	1	10	NA	2,3	1,4	29-Apr-97
702	MN	315	92	4	NA	1	4,7,16	10.6	1a	1	10	NA	2,3	1,4	29-Apr-97
703	MN	130	51	0	NA	1	4,7,17	10.0	1a	1	10	NA	2,3	1,4,6	15-Apr-97
709	MN	268	48	NA	1095	1,6	4	10.4	1f	NA	10	1,5	NA	NA	05-May-98
710	MN	286	11	NA	1125	1,6	4	10.6	1f	NA	10	0	NA	NA	06-May-98
711	MN	201	20	NA	1055	1,6	4	12.4	1f	NA	10	5	NA	NA	06-May-98
712	MN	160	47	NA	1035	1,6	4	12.6	1f	NA	10	0	NA	NA	06-May-98
713	MN	344	39	NA	1120	1,6	4	11.1	1f	NA	10	5	NA	NA	06-May-98
714	MN	158	12	NA	1105	1,6	4	11.4	1f	NA	10	0	NA	NA	06-May-98
715	MN	475	62	NA	1085	1,10	4	10.3	1f	NA	10	0	NA	NA	12-May-98
716	MN	160	55	NA	1125	1,10	4	13.7	1f	NA	10	0	NA	NA	12-May-98
717	MN	350	73	NA	1110	1,6	4	13.7	1f	NA	10	5	NA	NA	12-May-98
718	MN	170	30	NA	1130	1,10	4	14.4	1f	NA	10	0	NA	NA	12-May-98
719	MN	408	88	NA	995	1,10	5,16	13.1	1b	NA	10	0	NA	NA	12-May-98
720	MN	580	70	NA	1145	1,10	5	11.3	1f	NA	10	0	NA	NA	12-May-98
721	MN	190	34	NA	1100	1,6	4	11.2	1f	NA	10	5	NA	NA	13-May-98
722	MN	520	53	NA	1110	1,10	4	11.3	1f	NA	10	0	NA	NA	13-May-98
723	MN	200	74	NA	1110	1,6	4	11.5	1f	NA	10	5	NA	NA	13-May-98

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
865	MT	52	NA	NA	5190	NA	NA	NA	1f	NA	10	NA	NA	NA	18-May-98
867	MT	152	NA	NA	4865	NA	NA	NA	1f	NA	10	NA	NA	NA	11-May-98
869	MT	57	NA	NA	4418	NA	NA	NA	1f	NA	10	NA	NA	NA	20-May-98
870	MT	220	NA	NA	5790	NA	NA	NA	1f	NA	10	NA	NA	NA	13-May-98
873	MT	55	NA	NA	4785	NA	NA	NA	1b	NA	10	NA	NA	NA	20-May-98
876	MT	60	NA	NA	4422	NA	NA	NA	1f	NA	10	NA	NA	NA	21-May-98
877	MT	64	NA	NA	4424	NA	NA	NA	1f	NA	10	NA	NA	4	12-May-98
878	MT	83	NA	NA	4550	NA	NA	NA	1f	NA	10	NA	NA	NA	20-May-98
879	MT	197	NA	NA	5560	NA	NA	NA	1f	NA	10	NA	NA	NA	19-May-98
882	MT	83	NA	NA	4575	NA	NA	NA	1f	NA	10	NA	NA	NA	20-May-98
885	MT	NA	NA	NA	4420	NA	NA	NA	1f	NA	10	NA	NA	NA	21-May-98
887	MT	65	NA	NA	5000	NA	NA	NA	1f	NA	10	NA	NA	NA	13-May-98
889	MT	NA	NA	NA	5390	NA	NA	NA	1f	NA	10	NA	NA	NA	18-May-98
890	MT	45	NA	NA	5130	NA	NA	NA	1f	NA	10	NA	NA	NA	18-May-98
939	ME	122	NA	4	28	1,5	5,7,11,14	12.7	1f	2	10	0	1,2,3	4	14-Oct-99
940	ME	160	NA	4	85	1,5	5,8,11,14	11.3	1f	2	10	0	1,2,3	4	14-Oct-99
941	ME	104	NA	4	575	1,5	NA	12.2	1f	2	10	0	1,2,3	4	12-Oct-99
942	ME	680	NA	4	290	1,5	4,8,10	13.3	1f	2	10	0	1,2,3	4	12-Oct-99
943	ME	302	NA	4	400	1,5	4,8,11,14	12.7	1f	2	10	0	1,2,3	4	13-Oct-99
944	ME	267	NA	4	500	1,5	4,8,11,14	11.5	1f	2	10	0	1,2,3	4	13-Oct-99
945	ME	180	NA	4	NA	1,5	5,8,11,14	11.4	1f	2	10	0	1,2,3	4	19-Oct-99
946	ME	190	NA	4	445	1,5	5,8,10,14	12.1	1f	2	10	0	1,2,3	4	15-Oct-99
947	ME	103	NA	4	280	1,5	4,7,11,14	10.9	1f	2	10	0	1,2,3	4	20-Oct-99
948	ME	200	NA	4	400	1,5	5,7,11,14	9.9	1f	2	10	0	1,2,3	4	22-Oct-99
949	ME	245	NA	4	600	1,5	5,8,11,13	11.1	1f	2	10	0	1,2,3	4	21-Oct-99
950	NH	500	NA	4	300	1,5	5,8,10	11.0	1f	2	10	0	1,2,3	4	06-Jun-00
951	NH	175	NA	4	160	1,5	5,8,10,13	9.9	1f	2	10	0	1,2,3	4	07-Jun-00
952	NH	175	NA	4	254	1,5	7,4,11,13	9.7	1f	2	10	0	1,2,3	4	08-Jun-00
953	ME	360	NA	4	224	1,5	5,8,11	10.4	1f	2	10	0	1,2,3	4	14-Jun-00
954	ME	185	NA	4	390	1,5	5,8,10	10.9	1f	2	10	0	1,2,3	4	15-Jun-00
955	ME	85	NA	4	NA	1,5	4,8,11,13	10.6	1f	2	10	0	1,2,3	4	20-Jun-00
956	ME	320	NA	4	300	1,5	4,7,11	11.6	1f	2	10	0	1,2,3	4	28-Jun-00
957	ME	202	NA	4	440	1,5	5,8,11	13.2	1f	2	10	0	1,2,3	4	29-Jun-00
958	ME	60	NA	4	430	1,5	0	15.3	1f	2	10	0	1,2,3	4	06-Jul-00
959	ME	265	NA	4	280	1,5	4,8,11	12.1	1f	2	10	1	1,2,3	4	12-Jul-00
960	ME	100	NA	4	360	1,5	5,8,10	11.8	1f	2	10	0	1,2,3	4	13-Jul-00
961	ME	175	NA	4	630	1,5	4,7,11	10.4	1f	2	10	0	1,2,3	4	17-Jul-00
962	ME	304	NA	4	260	1,5	4,7,12,13	12.1	1f	2	10	0	1,2,3	4	19-Jul-00
963	ME	304	NA	4	240	1,5	4,7,11,	11.2	1f	2	10	0	1,2,3	4	18-Jul-00
964	ME	164	NA	4	210	1,5	5,8	12.8	1f	2	10	0	1,2,3	4	20-Jul-00
965	NH	640	NA	4	690	1,5	5,8,11,13	11.4	1f	2	10	0	1,2,3	4	10-Aug-00
966	NH	380	NA	4	790	1,5	5,8,10,13	11.5	1f	2	10	0	1,2,3	4	16-Aug-00
967	NH	700	NA	4	205	1,5	5,8,13	11.5	1f	2	10	2	1,2,3	4	28-Aug-00
968	ME	185	NA	4	560	1,5	4,7,11,14	12.6	1f	2	10	0	1,2,3	4	27-Jun-00
969	ME	365	NA	4	27	1,5	4,8,11,13	11.0	1f	2	10	0	1,2,3	4	21-Jun-00
970	ME	322	NA	4	490	1,5	4,8,13	10.1	1f	2	10	0	1,2,3	4	22-Aug-00

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
971	ME	342	NA	4	730	1,5	4,8,14	10.1	1f	2	10	0	1,2,3	4	23-Aug-00
972	ME	262	NA	4	321	1,5	5,8,11,14	11.0	1f	2	10	0	1,2,3	4	30-Aug-00
973	NH	320	NA	4	NA	1,5	4,8,11,13	12.1	1f	2	10	0	1,2,3	4	22-Jun-00
974	NH	30	NA	4	157	1,5	4,8,11,14	11.3	1f	2	10	0	1,2,3	4	19-Jun-00
975	NH	538	NA	4	270	1,5	5,8,13	12.7	1f	2	10	0	1,2,3	4	09-Aug-00
976	NH	550	NA	4	1450	1,5	4,8,11,14	12.0	1f	2	10	0	1,2,3	4	14-Aug-00
977	NH	200	NA	4	890	1,5	4,8,11,13	11.5	1f	2	10	0	1,2,3	4	15-Aug-00
978	NH	261	NA	4	670	1,5	5,8,13	10.3	1f	2	10	0	1,2,3	4	21-Aug-00
979	NH	265	NA	4	1330	1,5,7	4,7,13	9.9	1f	2	10	0	1,2,3	4	24-Aug-00
980	ME	555	NA	4	380	1,5	4,8,11,14	14.7	1f	2	10	0	1,2,3	4	31-Aug-00
981	NH	500	NA	4	380	1,5	5,8,11,13	11.0	1f	2	10	0	1,2,3	4	05-Jun-00
982	ME	600	NA	4	618	1,5	4,7,8,13	13.5	1f	2	10	0	1,2,3	4	29-Aug-00
983	ME	515	NA	4	690	1,5	5,8,13	11.7	1f	2	10	2	1,2,3	4	11-Sep-00
984	ME	477	NA	4	1060	1,5	4,7,14	10.5	1f	2	10	0	1,2,3	4	25-Sep-00
985	ME	235	NA	4	480	1,5	5,13	10.5	1f	2	10	0	1,2,3	4	19-Oct-00
986	MA	465	NA	4	50	1,5	5,13	11.6	1f	2	10	0	1,2,3	4	11-Oct-00
987	MA	300	NA	4	80	1,5	5,14	13.4	1f	2	10	0	1,2,3	4	12-Oct-00
988	ME	182	NA	4	170	1,5	5,14	10.7	1f	2	10	0	1,2,3	4	03-Oct-00
989	ME	140	NA	4	270	1,5	4,13	10.4	1f	2	10	0	1,2,3	4	26-Oct-00
990	ME	300	NA	4	200	1,5	4,13	11.4	1f	2	10	0	1,2,3	4	14-Sep-00
991	ME	304	NA	4	330	1,5	5,8,13	10.0	1f	2	10	0	1,2,3	4	17-Oct-00
992	ME	128	NA	4	991	1,5	5,13	9.0	1f	2	10	0	1,2,3	3,4	18-Oct-00
993	MA	300	NA	4	190	1,5	4,13	11.9	1f	2	10	0	1,2,3	3,4	30-Oct-00
994	RI	400	NA	4	150	1,5	4,14	11.2	1f	2	10	0	1,2,3	3,4	31-Oct-00
995	RI	200	NA	4	500	1,5	4,13	11.7	1f	2	10	0	1,2,3	3,4	01-Nov-00
996	ME	302	NA	4	290	1,5	5,14	9.8	1f	2	10	0	1,2,3	4	04-Oct-00
1115	NM	660	20	7	5305	2,8,10	3,4,7,11,15,17	25.7	1f	2	10	11	1	3,4	26-Jun-97
1117	NM	1605	1014	0	5226	2,8,10	3,4,7,11,15,16	31.9	1a	1	10	0	2	3,4	19-Jun-97
1120	NM	315	15	7	5230	2,8,10	3,5,7,11,15,17	17.8	1f	2	10	11	1	3,4	20-Jun-97
1126	NM	1140	840	3	5076	2,8,10	3,4,7,11,15,17	24.2	1a	1	10	0	2	3,4	26-Jun-97
1127	NM	160	10	0	4781	2,8,10	3,4,7,11,15,17	19.0	1f	2	10	0	1	1,3,4	26-Jun-97
1128	NM	447	6	3,7	5985	2,8,10	3,4,7,11,15,17	17.4	1f	2	10	1,11	2	1,4	17-Jun-97
1130	NM	326	NA	7	5197	2,8,10	3,4,8,11,15,17	23.8	1f	2	10	11	2	4	17-Jun-97
1131	NM	275	15	0	5064	2,8,10	3,4,8,11,15,17	18.6	1f	2	10	11	1	4	17-Jun-97
1132	NM	1050	402	0	5390	2,8,10	3,4,7,11,15,17	23.6	1a	1	10	11	2	3,4	18-Jun-97
1133	NM	1000	450	0	5280	2,8,10	3,4,7,11,15,17	21.7	1a	1	10	0	2	3,4	18-Jun-97
1134	NM	1364	701	0	5460	2,8,10	3,4,7,11,15,17	24.4	1a	1	10	0	2	3,4	18-Jun-97
1135	NM	1357	647	0	5455	2,8,10	3,4,7,11,15,17	25.7	1a	1	10	0	2	3,4	18-Jun-97
1136	NM	210	10	0	4895	2,8,10	3,5,8,11,15,17	19.2	1f	2	10	11	1	1,3,4	27-Jun-97
1138	NM	400	10	7,11	5150	2,8,10	3,4,7,11,15,17	21.9	1f	2	10	0	1	3,4	27-Jun-97
1140	NM	150	NA	7	5280	2,8,10	3,5,7,11,15,17	18.0	1f	2	10	1	1	4	16-Jun-97
1141	NM	751	243	3	5266	2,8,10	3,4,7,11,15,17	17.8	1a	1	10	0	2	4	20-Jun-97
1142	NM	990	320	3	5415	2,8,10	3,4,7,11,15,17	20.9	1a	1	10	0	2	4	20-Jun-97
1143	NM	130	10	1,7	4730	2,8,10	3,4,7,10,15,17	20.9	1f	2	10	4	1	1,3,4	30-Jun-97
1144	NM	110	35	1,7,10	5141	2,8,10	3,4,7,11,15,17	16.0	1a	2	10	9	2	1,3,4	03-Jul-97
1145	NM	557	30	0	5141	2,8,10	3,5,8,10,15,17	17.1	1a	2	10	9	2	3,4	03-Jul-97

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
1146	NM	286	18	0	5290	2,8,10	3,4,7,10,15,17	19.3	1a	2	10	0	2	3,4	03-Jul-97
1147	NM	480	20	0	4991	2,8,10	3,5,8,11,15,17	23.6	1f	2	10	0	1	3,4	27-Jun-97
1148	NM	109	NA	1,7,10	4920	2,8,10	3,5,7,10,15,17	16.0	1f	2	10	11	1	1,4	17-Jun-97
1153	NM	81	62	1,7	5525	2,8,10	3,5,8,10,15,16	14.5	1a	2	10	0	2	3,4	04-Aug-98
1154	NM	805	400	5	4273	2,3,8,9,10	4,7,12,15,18	25.5	1a	1	10	9	2,3	0	22-Aug-00
1155	NM	1010	NA	5	4261.3	2,3,8,9,11	4,7,12,15,19	26.5	1a	1	10	1,9	2,3	0	23-Aug-00
1156	NM	890	NA	5	4270	2,3,8,9,10	4,7,12,15,18	25.0	1a	1	10	1,9	2,3	0	23-Aug-00
1157	NM	900	NA	5	4260	2,3,8,9,10	4,7,12,15,18	26.5	1a	1	10	1,9	2,3	0	23-Aug-00
1158	NM	800	400	5	4264	2,3,8,9,10	4,7,12,15,18	27.0	1a	1	10	1,9	2,3	0	22-Aug-00
1159	NM	842	376	5	4354	2,3,8,9,10	4,7,12,15,18	26.0	1a	1	10	1,9	2,3	0	22-Aug-00
1160	NM	700	235	5	4207	2,3,8,9,10	4,7,12,15,18	24.5	1a	1	10	1,9	2,3	0	19-Oct-00
1161	NM	733	266	5	4217	2,3,8,9,10	4,7,12,15,18	29.0	1a	1	10	9	2,3	0	22-Aug-00
1170	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	18-Aug-98
1171	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	20-Aug-98
1174	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	19-Aug-98
1175	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	18-Aug-98
1176	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	1,4	18-Aug-98
1177	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	1	14-Jul-98
1178	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	15-Jul-98
1179	NV	NA	NA	4	NA	2,8,9,10	NA	NA	1f	NA	10	0,9	2,3	4	14-Jul-98
1186	NV	198	NA	7	NA	5,8,10	4,7	14.5	1f	NA	10	NA	NA	5	03-Jun-98
1187	NV	150	NA	7	NA	8	4,7	13.5	1f	NA	10	NA	NA	5	17-Jul-98
1188	NV	813	NA	7	NA	8	4,7	16.5	1a	NA	10	NA	NA	5	18-Jul-98
1189	NV	302	NA	7	NA	8	4,7	14.0	1a	NA	10	NA	NA	5	07-Apr-98
1192	NV	198	NA	7	NA	8	4,7	14.5	1f	NA	10	NA	NA	5	17-Jul-98
1193	NV	228	NA	7	NA	8	5,7	13.0	1a	NA	10	NA	NA	5	07-Apr-98
1194	NV	328	NA	7	NA	8	5,7	14.5	1a	NA	10	NA	NA	5	16-Jul-98
1195	NV	123	NA	7	NA	8	5,8	13.0	1f	NA	10	NA	NA	5	03-Jun-98
1245	NV	530	30	NA	3951	NA	4	20.5	1a	NA	10	NA	10	NA	27-May-98
1270	NV	137	15	NA	3950	NA	5	17.0	1f	NA	10	NA	NA	NA	04-Aug-97
1271	NV	484	80	NA	3960	NA	5	19.5	1b	NA	10	NA	NA	NA	21-Oct-97
1272	NV	95	56	NA	3974	NA	NA	20.5	1b	NA	10	NA	NA	NA	22-Oct-97
1273	NV	510	166	NA	3957	NA	NA	21.0	1b	NA	10	NA	NA	NA	23-Oct-97
1274	NV	531	23	NA	3951	NA	NA	20.0	1b	NA	10	NA	NA	NA	23-Oct-97
1275	NV	172	6	NA	3962	NA	NA	20.0	1b	NA	10	NA	NA	NA	22-Oct-97
1276	NV	1200	NA	0	3081	1,5,7,8,9	4,9,12,15,18	24.6	1a	2	10	0	2	1	07-Aug-00
1277	NV	2682	NA	0	3216	1,5,7,8,9	4,9,12,15,18	25.8	1a	2	10	0	2	1	08-Aug-00
1278	NV	900	NA	0	3092	1,5,7,8,9	4,9,12,15,18	24.6	1a	2	10	0	2	1	07-Aug-00
1517	PA	44	25	4	2065	2,5	2,5,8,10,15,18	11.4	1f	2	10	0	2,3	NA	17-Sep-97
1518	PA	65	34	4	1195	2,5	4,8,10,15,18	12.1	1f	2	10	0	2,3	NA	16-Oct-97
1519	PA	60	41	4	1245	2,5	2,5,8,10,15,16	12.0	1f	2	10	0	2,3	4	26-Aug-97
1520	PA	115	77	4	2380	2,5	2,5,8,10,15,16	11.8	1f	2	10	0	2,3	4	16-Sep-97
1521	WV	90	72	4	1700	2,5	2,5,8,10,15,16	14.4	1f	2	10	0	2,3	2,4	08-Oct-97
1524	PA	135	117	4	1020	2,5	2,5,8,11,15,18	14.5	1f	2	10	0	2,3	NA	20-Aug-97
1525	PA	150	112	4	1150	2,5	2,4,7,11,15,18	15.0	1f	2	10	0	2,3	NA	07-Aug-97
1527	PA	70	30	4	1965	2,5	2,5,8,10,15,18	13.3	1f	2	10	0	2,3	NA	14-Aug-97

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
1529	PA	50	30	4	1670	2,5	5,8,10,15,16	11.6	1f	2	10	0	2,3	2,4	10-Sep-97
1530	PA	82	63	4	1140	2,5	2,5,8,10,15,18	14.5	1f	2	10	0	2,3	NA	03-Sep-97
1531	PA	32	15	4	965	2,5	2,4,8,11,15,17	15.7	1f	2	10	0	2,3	2,4	16-Oct-97
1532	PA	65	46	4	1610	2,5	2,5,8,10,15,18	13.2	1f	2	10	0	2,3	NA	02-Sep-97
1533	PA	154	126	4	1455	2,5	2,4,8,10,15,18	13.2	1f	2	10	0	2,3	NA	27-Aug-97
1535	WV	68	49	4	1430	2,5	2,5,8,10,15,18	13.9	1f	2	10	0	2,3	NA	20-Oct-97
1536	PA	135	116	4	1590	2,5	2,4,7,11,15,18	14.1	1f	2	10	0	2,3	NA	01-Oct-97
1543	WV	110	71	4	1290	2,5	2,4,7,11,15,18	13.9	1f	2	10	0	2,3	NA	29-Sep-97
1544	PA	55	36	4	980	2,5	2,5,8,10,15,16	12.8	1f	2	10	0	2,3	4	28-Aug-97
1546	PA	140	101	4	1100	2,5	2,4,8,10,15,18	12.7	1f	2	10	0	2,3	NA	02-Oct-97
1547	WV	85	66	4	1070	2,5	2,5,8,11,15,16	16.7	1f	2	10	0	2,3	4	09-Oct-97
1548	PA	63	43	4	1410	2,5	2,6,8,10,15,18	11.8	1f	2	10	0	2,3	NA	08-Sep-97
1549	PA	98	69	4	1460	2,5	5,8,10,15,16	13.1	1f	2	10	0	2,3	4	11-Sep-97
1550	PA	70	32	4	1270	2,5	2,5,8,10,15,16	13.2	1f	2	10	0	2,3	4	25-Aug-97
1720	UT	626	617	0	NA	2	0	18.0	1a	1	10	0	2	4	06-Jun-97
1721	UT	606	450	0	3445	2	0	16.5	1a	1	10	0	2	4	05-Jun-97
1722	UT	384	284	0	3443	2	0	17.0	1a	1	10	0	2	4	05-Jun-97
1723	UT	800	600	0	3454	2	0	19.0	1a	1	10	0	2	1,4	06-Jun-97
1724	UT	620	400	0	5010	2	0	11.0	1a	1	10	0	2	4	05-Jun-97
1773	PA	NA	NA	0	680	1,5,6	4	10.9	1c	4	11	NA	NA	NA	19-Aug-97
1779	PA	NA	NA	1	1120	1,5	4	11.2	1c	4	11	NA	NA	NA	23-Aug-97
1788	PA	NA	NA	1	440	1,5,6	4	11.6	1d	4	11	NA	NA	NA	18-Aug-97
1793	VA	NA	NA	1	460	4,6	4	19.8	1d	4	11	NA	4	NA	05-Aug-97
1795	VA	NA	NA	0	936	4,6	4	12.0	1c	4	11	NA	4	NA	06-Aug-97
1801	VA	NA	NA	0	1310	4,6	4	12.6	1c	4	11	NA	4	NA	13-Aug-97
1805	VA	NA	NA	0	1005	4,6	4	21.5	1c	4	11	NA	4	NA	05-Aug-97
1896	VA	782	59	4,8	190	1	3,4,8,11,14,16	21.6	1a	2	10	0,9	2,3	1,3,4,5	23-Jun-98
1897	VA	302	20	4	111	1	3,5,8,11,14,16	19.1	1a	2	10	0,9	2,3	1,3,4,5	24-Jun-98
1898	VA	676	30	4,7	20	1	3,5,8,11,14,16	22.7	1a	2	10	1,9	2,3	1,3,4,5	25-Jun-98
1899	VA	370	60	4,7	110	1	3,5,8,11,14,16	21.6	1a	2	10	1,9	2,3	1,3,4,5	01-Jul-98
1900	VA	330	22	11	90	1	3,5,8,11,13,16	24.8	1a	2	10	1,9	2,3	1,3,4,5	06-Jul-98
1901	VA	644	69	11	90	1	3,5,7,11,14,16	28.8	1a	2	10	0,9	2,3	1,3,4,5	06-Jul-98
1902	VA	360	26	0	98	1	3,5,7,11,14,16	23.9	1a	2	10	1,9	2,3	1,3,4,5	07-Jul-98
1903	VA	448	26	11	100	1	3,5,8,11,13,16	18.7	1a	2	10	0,9	2,3	1,3,4,5	07-Jul-98
1906	VA	114	21	4,7	25	1	3,5,7,10,14,16	16.1	1a	2	10	0,9	2,3	1,3,4,5	09-Jul-98
1907	VA	165	20	0,1	38	1	3,5,8,11,14,16	17.2	1a	2	10	0,9	2,3	2,3,4,5	14-Jul-98
1908	VA	245	29	11	24	1	3,5,8,10,14,16	15.7	1a	1	10	0,9	2,3	1,3,4,5	15-Jul-98
1909	VA	59	15	11	20	2,4	3,4,7,11,14,17	15.4	1a	2	10	0,9	2,3	2,3,4,5	15-Jul-98
1911	VA	159	4	11	17	1	3,5,8,10,14,16	16.2	1a	2	10	0,9	2,3	2,3,4,5	16-Jul-98
1913	VA	230	30	11	112	1	3,4,8,11,14,16	16.8	1a	1	10	0,9	2,3	2,3,4,5	27-Jul-98
1914	VA	276	14	0,1	120	1	3,5,8,10,14,16	18.0	1a	2	10	0,9	2,3	2,3,4,5	27-Jul-98
1916	VA	68	10	3	15	2	3,5,8,10,14,16	17.2	1a	1	10	0,9	2,3	2,3,4,5	29-Jul-98
1917	VA	290	50	0	42	1	3,5,8,10,14,16	17.3	1a	2	10	0,9	2,3	1,3,4,5	30-Jul-98
1918	VA	283	31	4,7	170	1	3,5,8,10,14,16	18.0	1a	2	10	0,9	2,3	1,3,4,5	03-Aug-98
1920	VA	324	26	4	95	1	3,5,8,11,14,16	16.8	1a	2	10	0,9	2,3	1,3,4,5	04-Aug-98
1923	VA	445	370	0	200	5	3,5,7,10,14,16	16.1	1b	2	10	0,9	2,3	1,3,4,5	17-Aug-98

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
1925	VA	317	9	11	26	1	3,5,8,10,14,16	16.5	1a	2	10	0,9	2,3	1,3,4,5	18-Aug-98
1927	VA	350	10	11	35	1	3,5,8,11,14,16	17.6	1a	2	10	0,9	2,3	1,3,4,5	31-Aug-98
1928	VA	160	25	0	98	1	3,5,8,10,13,16	15.7	1b	2	10	0,9	2,3	1,3,4,5	31-Aug-98
1929	VA	88	20	1	76	1	3,5,8,10,14,16	15.8	1a	2	10	0,9	2,3	1,3,4,5	31-Aug-98
1930	VA	464	30	3,4,7	40	1	3,5,8,10,14,16	17.4	1a	2	10	0,9	2,3	1,3,4,5	01-Sep-98
1931	VA	300	30	4,7	85	1	3,5,8,11,14,16	16.5	1a	2	10	0,9	2,3	1,3,4,5	01-Sep-98
1932	VA	413	88	3	170	1	3,5,8,10,14,16	17.9	1a	2	10	0,9	2,3	1,3,4,5	02-Sep-98
1933	VA	487	125	0	190	1	3,5,8,10,14,16	17.9	1a	2	10	1,9	2,3	1,3,4,5	02-Sep-98
1935	VA	470	67	4,7	152	1	3,5,8,11,14,16	18.8	1a	2	10	0,9	2,3	1,3,4,5	03-Sep-98
1936	VA	216	10	4,7	25	1	3,5,8,11,14,16	18.1	1a	2	10	0,9	2,3	1,3,4,5	10-Sep-98
1937	VA	616	20	4,7	23	1	3,5,8,11,14,16	20.8	1a	2	10	0,9	2,3	1,3,4,5	10-Sep-98
1938	VA	208	18	4,7	6	1	3,5,8,11,13,16	16.9	1a	2	10	1,9	2,3	1,3,4,5	01-Oct-98
1940	VA	69	15	5	22	2	3,5,8,10,14,16	15.7	1b	2	10	0,9	1,3	2,3,4,5	05-Oct-98
1941	VA	95	10	4	113	2	3,4,7,11,14,17	17.4	1a	2	10	0,9	2,3	2,3,4,5	06-Oct-98
1942	VA	385	72	0,1	95	1	3,5,8,10,13,16	18.2	1a	2	10	0,9	2,3	1,3,4,5	06-Oct-98
1943	VA	90	40	4,7	129	2	3,4,7,11,14,16	17.2	1a	2	10	7,9	2,3	1,3,4,5	07-Oct-98
1946	VA	104	20	11	65	1	3,5,8,10,14,17	16.9	1b	2	10	0,9	2,3	2,3,4,5	27-Oct-98
1951	VA	376	NA	0	1040	5,7	4,8,11,14,17	14.2	1a	1	10	0,9	2,3	2,3,4,5	25-Aug-99
1962	VA	505	332	0	355	5	4,8,10,14,17	14.7	1a	2	10	1,9	2,3	2,3,4,5	23-Aug-99
1963	VA	305	135	0	415	5	4,8,10,14,17	15.2	1a	2	10	0,9	2,3	2,3,4,5	23-Aug-99
1964	VA	NA	NA	4	480	5	4,7,11,14,17	15.6	1a	2	10	0,9	2,3	1,3,4,5	30-Aug-99
1965	VA	345	222	0	120	5	4,8,10,14,17	15.6	1a	2	10	0,9	2,3	1,3,4,5	31-Aug-99
1966	VA	NA	NA	3	535	2,4,15	4,7,11,14,17	14.7	1c	4	11	0,9	2,3	2,3,4,5	01-Sep-99
1967	VA	200	97	3	555	5	4,7,11,14,17	15.6	1a	2	10	0,9	2,3	2,3,4,5	01-Sep-99
1968	VA	145	60	4	220	5	5,8,10,14,17	16.5	1a	2	10	0,9	2,3	1,3,4,5	01-Sep-99
1969	VA	NA	NA	0	360	2,4,15	4,7,11,14,17	13.7	1c	4	11	0,9	2,3	2,3,4,5	02-Sep-99
1970	VA	211	113	4	430	5	4,7,11,17,14	14.6	1a	2	10	0,9	2,3	2,3,4,5	02-Sep-99
1971	VA	370	30	0,9	350	5	4,8,10,17,13	15.4	1b	2	10	0,9	2,3	2,3,4,5	02-Sep-99
1984	VA	385	91	0	1650	5	4,8,11,16,13	14.1	1b	2	10	0,9	2,3	1,3,4,5	10-Aug-99
1985	VA	385	265	4	1455	5	4,8,10,17,14	12.8	1a	2	10	0,9	2,3	1,3,4,5	11-Aug-99
1986	VA	300	NA	0,1,4	785	6	4,7,11,17,14	13.1	1a	2	10	0,9	2,3	1,3,4,5	11-Aug-99
1987	VA	360	1	4	2880	5	4,8,11,17,14	12.8	1a	2	10	1,9	2,3	1,3,4,5	12-Aug-99
1988	VA	610	NA	0	875	5	4,7,11,17,14	13.2	1a	2	10	1,9	2,3	2,3,4,5	24-Aug-99
1989	VA	300	NA	0,1,10	1730	6	4,7,11,17,14	13.3	1a	2	10	0,9	2,3	2,3,4,5	24-Aug-99
1990	VA	610	310	0,7	1010	5	4,7,11,17,14	13.2	1a	2	10	0,9	2,3	2,3,4,5	25-Aug-99
1991	VA	180	60	4	1230	5	4,7,11,17,14	14.1	1a	2	10	0,9	2,3	2,3,4,5	26-Aug-99
1992	VA	625	15	3	935	5	5,8,10,16,14	17.5	1a	2	10	0,9	2,3	1,3,4,5	26-Aug-99
2026	VA	NA	NA	0	2900	2,3,5,7,10	4	9.7	1d	4	11	NA	3	4	22-Sep-99
2046	VA	NA	NA	0	2580	2,3,5,7,10	4	11.4	1d	4	11	NA	3	4	17-Aug-99
2053	VA	NA	NA	0	3110	2,3,5,7,10	4	9.8	1d	4	11	NA	3	4	19-Aug-99
2061	VA	650	598	0,7	1840	2,3,5,7	4	14.2	1b	2	10	NA	2	4	16-Aug-99
2066	VA	NA	NA	0	2500	2,3,5,7,10	4	10.1	1d	4	11	NA	3	4	20-Aug-99
2069	VA	363	320	0,7	2570	2,3,5,7	4	11.4	1b	2	10	NA	2	4	16-Aug-99
2083	VA	NA	NA	0,7	3430	2,3,5,7,10	4	8.5	1d	4	11	NA	3	4	22-Sep-99
2089	VA	220	168	0,7	1120	2,3,5,7	4	13.9	1b	2	10	NA	2	4	16-Aug-99

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
2094	VA	NA	NA	0	1760	2,3,5,7,10	4	16.0	1d	4	11	NA	3		23-Aug-99
2098	VA	NA	NA	0	3440	2,3,5,7,10	4	9.7	1d	4	11	NA	3	4	17-Aug-99
2101	VA	NA	NA	0	837	2,3,5,6,7,10	4	13.2	1d	4	11	NA	3	4	23-Aug-99
2113	VA	NA	NA	0	765	2,3,5,6,7,10	4	14.1	1c	4	11	NA	3	4	22-Sep-99
2139	VA	NA	NA	0,7	3320	2,3,5,7,10	4	9.6	1d	4	11	NA	3	4	22-Sep-99
2148	VA	303	238	0,7	2740	2,3,5,7	4	11.8	1b	2	10	NA	2	4	17-Aug-99
2151	VA	320	285	0,7	2680	2,3,5,7	4	11.4	1b	2	10	NA	2	4	18-Aug-99
2156	VA	200	174	0,7	2590	2,3,5,7	4	13.0	1b	2	10	NA	2	4	16-Aug-99
2157	VA	NA	NA	0,7	817	2,3,5,7,10	4	17.3	1f	2	10	NA	2	4	08-Sep-99
2177	VA	500	448	0,7	3560	2,3,5,7	4	13.2	1b	2	10	NA	2	4	17-Aug-99
2183	VA	NA	NA	0	1078	2,3,5,6,7,10	4	13.5	1c	4	11	NA	3	4	01-Sep-99
2184	VA	NA	NA	0,7	917	2,3,5,6,7	4	14.3	1a	2	10	NA	2	NA	01-Sep-99
2186	VA	NA	NA	0,7	1191	2,3,5,6,7	4	13.9	1a	2	10	NA	2	4	01-Sep-99
2195	VA	NA	NA	0,7	663	2,3,5,7	5	14.7	1a	2	10	NA	2	4	02-Sep-99
2200	VA	NA	NA	0	778	2,3,5,6,7,10	4	12.8	1d	4	11	NA	3	4	23-Aug-99
2201	VA	NA	NA	3	1130	5,7,12,13	6,8,10,13,16	15.1	1b	2	10	1,9	2,3	1,3,4,5	10-Jul-00
2202	VA	NA	NA	3	1440	5,7,12,13	6,8,10,13,16	14.4	1b	2	10	0,9	2,3	2,3,4,5	10-Jul-00
2203	VA	855	355	3	1735	5,7,12,13	4,7,11,14,17	14.3	1a	2	10	3,4,9	1,2,3	1,3,4,5	20-Jul-00
2204	VA	222	104	4	1840	5,7,12,13	5,8,10,13,16	13.8	1a	2	10	0,9	2,3	1,3,4,5	11-Jul-00
2205	VA	250	210	4	1940	5,7,12,13	4,8,10,13,16	12.9	1a	2	10	0,9	2,3	1,3,4,5	12-Jul-00
2206	VA	204	NA	3	2340	5,7,12,13	5,8,11,14,16	13.1	1a	1	10	0,9	2,3	1,3,4,5	13-Jul-00
2207	VA	119	69	0	2780	5,7,12,13	4,8,10,14,16	12.4	1b	1	10	0,9	2,3	2,3,4,5	13-Jul-00
2208	VA	298	223	0	2710	5,7,12,13	4,7,11,14,17	12.8	1a	2	10	1,9	2,3	1,3,4,5	10-Jul-00
2209	VA	245	34	0	1735	5,7,12,13	4,8,10,13,16	14.5	1a	2	10	3,4,9	2,3	1,3,4,5	10-Jul-00
2210	VA	305	NA	11	1560	5,7,12,13	4,8,10,13,16	13.8	1b	2	10	1,3,4,9	2,3	1,3,4,5	11-Jul-00
2211	VA	180	NA	11	1755	5,7,12,13	4,8,11,13,16	13.6	1b	2	10	3,4,9	2,3	1,3,4,5	11-Jul-00
2212	VA	NA	NA	0	1660	5,7,12,13	4,8,11,14,16	14.3	1b	2	10	7,9	2,3	1,3,4,5	12-Jul-00
2213	VA	NA	NA	0	1670	5,7,12,13	4,8,10,14,16	14.7	1b	2	10	0,9	2,3	1,3,4,5	12-Jul-00
2214	VA	250	101	4	1085	5	4,7,11,14,17	14.8	1a	2	10	0,9	2,3	2,3,4,5	27-Jun-00
2215	VA	360	5	3	875	5	4,7,11,14,17	15.5	1a	2	10	0,9	2,3	1,3,4,5	27-Jun-00
2216	VA	280	175	6	360	5	4,8,11,14,17	16.4	1a	2	10	0,9	2,3	1,3,4,5	28-Jun-00
2217	VA	345	115	3	318	5	4,8,11,14,17	16.6	1b	2	10	0,9	2,3	2,3,4,5	28-Jun-00
2218	VA	350	270	4	335	5	4,8,10,13,17	15.9	1a	2	10	0,9	2,3	2,3,4,5	29-Jun-00
2219	VA	400	106	4	258	5	4,8,10,14,17	16.0	1a	2	10	0,9	2,3	2,3,4,5	29-Jun-00
2220	VA	400	16	0	3530	5,7	5,8,10,14,16	12.2	1b	2	10	0,9	2,3	2,3,4,5	12-Jul-00
2221	VA	160	NA	0	1640	5,6,7	4,8,10,13,16	13.4	1b	2	10	0,9	2,3	1,3,4,5	13-Jul-00
2222	VA	620	491	4	1470	5	4,8,10,14,16	18.2	1a	2	10	0,9	1,2,3	1,3,4,5	13-Jul-00
2223	VA	652	441	0	2210	5	5,8,11,14,16	15.2	1a	2	10	0,9	2,3	1,3,4,5	17-Jul-00
2224	VA	325	253	4	2080	5	4,7,11,14,17	13.1	1a	2	10	0,9	2,3	2,3,4,5	17-Jul-00
2225	VA	265	42	0	1600	5	4,7,11,14,17	11.4	1b	2	10	0,9	2,3	2,3,4,5	18-Jul-00
2226	VA	255	150	0	1275	5	4,8,11,13,17	12.7	1b	2	10	0,9	2,3	1,3,4,5	18-Jul-00
2227	VA	188	126	0	2450	5	4,8,10,14,17	13.7	1b	2	10	0,9	1,2,3	2,3,4,5	19-Jul-00
2228	VA	602	8	4	2120	5	4,7,11,14,17	13.3	1a	2	10	0,9	2,3	2,3,4,5	20-Jul-00
2229	VA	380	71	4	2030	5,7	4,7,11,14,17	14.6	1a	12	10	0,9	2,3	2,3,4,5	17-Jul-00
2230	VA	510	10	4	2200	5,6	4,7,11,14,17	13.4	1a	2	10	0,9	2,3	2,3,4,5	18-Jul-00
2231	VA	720	455	3	2020	5	4,7,11,14,17	13.0	1a	2	10	0,9	2,3	2,3,4,5	18-Jul-00

Table 1. Field information for all sites included in this report (continued)

Counter	State	Total well depth (feet)	Length open interval (feet)	"Local Land Use" Code	Land surface elevation (feet)	"Hydrologic Conditions" Code	"Geochemical Conditions" Code	Water Temperature (degrees C)	"Source of Ground-Water Sample" Code	"Sampling Method" Code	"Type of Sample" Code	"Sampling Conditions" Code	"Materials" Code	"Supporting Data" Code	Collection Date
2232	VA	180	66	4	2010	5,6	4,8,11,14,17	13.4	1a	2	10	0,9	2,3	2,3,4,5	19-Jul-00
2233	VA	350	153	4	1990	5,6	4,8,11,14,17	12.9	1a	2	10	0,9	2,3	2,3,4,5	19-Jul-00
2234	VA	605	56	0	3930	5,7	4,7,11,14,17	9.2	1b	2	10	0,9	2,3	2,3,4,5	20-Jul-00
2235	VA	140	10	0	3845	5,7	4,8,10,14,17	9.7	1b	2	10	0,9	1,2,3	2,3,4,5	20-Jul-00
2236	VA	198	78	0	3910	5,7	4,7,11,14,17	10.1	1b	2	10	0,9	2,3	2,3,4,5	20-Jul-00
2237	VA	505	215	1	1425	5,6	4,7,11,14,17	12.4	1a	2	10	0,9	2,3	2,3,4,5	25-Jul-00
2238	VA	540	1	4	1715	5,7	4,8,11,14,17	12.1	1a	2	10	1,9	2,3	1,3,4,5	25-Jul-00
2239	VA	735	8	3	1360	5,6	4,7,11,14,17	12.7	1a	1	10	0,9	2,3	2,3,4,5	26-Jul-00
2254	VA	NA	NA	4,7	600	5	3,4,7,11,14,17	13.7	1f	2	10	0,9	3	3,4,5	14-Sep-00
2255	VA	NA	NA	4,7,11	600	5	3,4,7,11,14,17	15.1	1f	2	10	0,9	3	3,4,5	14-Sep-00
2256	VA	NA	NA	4,7	300	5	3,4,7,11,14,17	15.0	1f	2	10	0,9	3	3,4,5	13-Sep-00
2257	VA	NA	NA	4,7	400	5	3,4,7,11,14,17	15.3	1f	2	10	0,9	3	3,4,5	13-Sep-00
2258	VA	NA	NA	4,7	250	5	3,4,7,11,14,17	13.6	1f	2	10	0,9	3	3,4,5	13-Sep-00
2416	WA	48	NA	NA	90	NA	NA	NA	1f	NA	10	NA	NA	4	15-Aug-97
2417	WA	41	NA	NA	65	NA	NA	NA	1f	NA	10	NA	NA	4	15-Aug-97
2577	WV	55	30	0	1159	5	8	13.4	1f	2	10	9	1	4	02-Jun-97
2580	WV	200	180	0	1540	5	8	14.1	1a	2	10	9	1	4	22-May-97
2581	WV	146	36	0	1060	5	NA	14.5	1f	2	10	9	NA	4	07-May-97
2582	VA	287	267	0	2545	5	8	12.8	1f	2	10	9	1	4	17-Jul-97
2585	WV	73	40	0	774	5	8	13.9	1f	2	10	9	1	4	27-May-97
2588	WV	90	72	0	1159	5	8	13.4	1f	2	10	9	1	4	10-Jun-97
2589	NC	150	95	0	3230	5	8	12.4	1f	2	10	9	1	NA	02-Jul-97
2590	VA	325	142	0	2080	5	8	13.8	1f	2	10	9	1	4	11-Aug-97
2591	WV	80	59	0	639	5	8	13.4	1a	2	10	9	1	4	06-May-97
2593	VA	205	146	3	2410	5	8	13.4	1a	2	10	9	1	4	22-Jul-97
2596	VA	300	250	0	3910	5	8	10.9	1b	3	10	9	3	NA	10-Jul-97
2598	VA	270	228	0	2880	5	NA	13.0	1f	2	10	9	NA	4	30-Jul-97
2601	VA	315	254	0	2400	5	NA	13.0	1f	2	10	9	NA	4	31-Jul-97
2604	WV	46	27	0	839	5	8	13.3	1f	2	10	9	1	4	04-Jun-97
2605	VA	175	125	0	2675	5	8	14.7	1a	2	10	9	1	4	05-Aug-97
2607	WV	172	108	0	1540	5	NA	13.5	1f	2	10	9	NA	4	09-Jun-97
2608	NC	205	177	0	2680	5	8	13.4	1a	2	10	9	1	NA	08-Jul-97
2609	WV	226	126	0	2800	5	NA	11.5	1f	2	10	9	NA	4	13-May-97
2611	WV	94	33	0	1034	5	8	14.2	1f	2	10	9	1	4	03-Jun-97
2612	WV	300	258	0	2530	5	NA	12.5	1b	2	10	9	NA	NA	21-May-97
2614	WV	60	40	0	719	5	8	13.2	1f	2	10	9	1	0	29-May-97
2620	WV	100	50	0	1839	5	8	12.0	1f	2	10	9	1	0	11-Jun-97
2621	WV	73	33	0	600	5	NA	15.0	1f	2	10	9	NA	4	29-May-97
2664	WV	240	NA	0	2380	5	5	12.7	1a	2	10	9	1,2	3,4	18-Jul-00
2665	WV	400	360	0	2430	5	5	13.4	1a	2	10	9	1,2	3,4	20-Jul-00
2666	WV	398	388	0	2050	5	4	14.1	1a	2	10	9	1,2	3,4	19-Jul-00
2667	WV	104	NA	0	740	5	5	15.2	1b	2	10	9	1,2	3,4	06-Jul-00
2668	WV	107	NA	0	1050	5	4	11.9	1a	2	10	9	1,2	3,4	27-Jun-00
2669	WV	63	33	0	760	5	5	14.2	1b	2	10	9	1,2	3,4	06-Jul-00
2670	WV	300	52	0	2190	5	5	15.1	1b	2	10	9	1,2	3,4	13-Jul-00
2671	WV	255	203	0	1080	5	5	14.8	1b	2	10	9	1,2	3,4	04-Aug-00
2672	WV	175	141	0	2740	5	4	11.6	1b	2	10	9	1,2	3,4	11-Jul-00

Table 2. Codes used in table 1 developed by the U.S. Geological Survey CFC Laboratory to aid in the interpretation of CFC-modeled ages

[CFC, chlorofluorocarbon; VOC, volatile organic compound; ppb, parts per billion; mg/L, milligrams per liter; >, greater than; <, less than; PVC, polyvinyl chloride]

Local Land Use	Hydrologic Conditions	Geochemical Conditions
0 Rural - no CFCs expected	1 Confined or Semi-confined Aquifer	0 No Adverse Geochemical Conditions
1 Agricultural	2 Unconfined (water-table) Aquifer	1 VOCs present (1 or more > 100 ppb)
2 Confined Feed Lot	3 Recharge Area	2 VOCs present (1 or more < 100 ppb)
3 Urban	4 Discharge Area	3 VOCs unknown
4 Domestic/Residential	5 Fractured Rock	4 Dissolved Oxygen Present (>0.5 mg/L)
5 Military Base	6 Karst	5 Low Dissolved Oxygen (<0.5 mg/L)
6 Industrial	7 Mountainous Terrain	6 Dissolved Oxygen Unknown
7 Septic Tanks	8 Arid or Semi-arid Environment	7 Nitrate Present (>0.1 mg/L as N)
8 Landfill	9 Recharge Area Unsaturated-zone > 30'	8 Low Nitrate (<0.1 mg/L as N)
9 Sewage Treatment Plant	10 Unconsolidated or Poorly Consolidated Permeable Sands or Gravels	9 Nitrate Unknown
10 Surface-water Seepage to Ground Water	11 Permeable, Consolidated Rock	10 High Dissolved Iron (>100 ppb)
11 Other	12 Low Permeability Rocks, Clays, Shales, etc.	11 Low Dissolved Iron (<100 ppb)
	13 Peat, Coal, Lignite	12 Dissolved Iron Unknown
	14 Permafrost	13 Hydrogen Sulfide Present
	15 Other	14 Hydrogen Sulfide Not Detected
	16 Unknown	15 Hydrogen Sulfide Unknown
		16 Methane Present
		17 Methane Not Detected
		18 Methane Unknown
Source of Ground-Water Sample	**Sampling Method**	**Type of Sample**
1 Drinking Water	1 Permanently-installed Turbine Pump	1 Air, Rural Environment
a Community Well	2 Permanently-installed Submersible Pump	2 Air, Urban Environment
b Non-community Well (e.g. restaurant, rest stop, etc.)	3 Grundfos Pump	3 Air, Unsaturated Zone, Porous Soils, Sands, etc.
c Community Spring	4 Bennett Pump (Normal Operation)	4 Air, Unsaturated Zone, Fractured Rock
d Non-community Spring (e.g. restaurant, rest stop, etc.)	5 Bennett Pump (Peristaltic Operation)	5 Air, Other
e Windmill	6 Fultz Pump	6 Surface Water, River/Stream/Arroyo
f Domestic Well	7 Keck Pump	7 Surface Water, Lake/Pond/Marsh
2 Non-drinking Water	8 Peristaltic Pump	8 Surface Water, Irrigation (Canal, drain, lateral, ditch)
a Irrigation Well	9 Check-valve Technique	9 Surface Water, Other
b Monitoring Well	10 Bailer	10 Ground Water
c Windmill	11 Pump Jack	11 Spring
d Spring	12 Other	12 Seawater (brine or other saline water)
3 Other		13 Other
Sampling Conditions	**Materials**	**Supporting Data**
0 No Adverse Conditions	1 PVC	0 None
1 Micro-sized Gas Bubbles in Discharge	2 Steel	1 Tritium
2 Relatively Large Gas Bubbles in Discharge	3 Refrigeration-grade Copper	2 Tritium/Helium-3
3 Cloudy Water	4 Refrigeration-grade Aluminum	3 Sulfur Hexafluoride
4 Particulates in Water	5 Viton	4 Dissolved Gases (Nitrogen, Argon, Methane)
5 Air May Have Contacted the Sample	6 Teflon	5 Other
6 Unstable Field Parameters (DO, Sp.Cond., pH, Temp.)	7 Silicone Rubber	
7 Drew Water Table Down (Pumping Air)	8 Tygon	
8 Sample Froze	9 Oil-lubricated Pump	
9 Raw Water Sample (Collected Before Water Treatment)	10 Other	
10 Finished Water Sample (Collected After Water Treatment)		
11 Other		

Table 3. CFC and VOC data for all sites included in this report

[CFC, chlorofluorocarbon; CFC-11, trichloromonofluoromethane; CFC-12, dichlorodifluoromethane; CFC-113, 1,1,2-trichloro-1,2,2-trifluoroethane; VS, very small, peak areas less than 100,000 counts; S, small, peak areas of 100,000-499,999 counts; M, medium, peak areas of 500,000-999,999 counts; L, large, peak areas greater than 1,000,000 counts; C, contaminated, CFC-12 concentration above air-water equilibrium for modern air; >, greater than; ≤, less than or equal to; pg/kg, picograms per kilogram; min., minutes; ~, peak present, but not integrated by detector]

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
32	>2205.7	>2700.1	541.4	C	L	L	L	1.69	VS	2.16	VS	2.33	VS	3.30	VS	3.72	VS	4.98	VS	5.80	VS	9.29	M	11.38	VS		
33	>2816.8	747.8	286.6	C	L	M	S	1.69	VS	2.15	S	3.30	VS	3.72	VS	5.02	VS	5.80	VS	7.07	VS	8.96	VS	9.48	M		
34	641.8	424.7	181.5	1984	L	S	S	1.69	VS	2.14	VS	2.30	VS	3.31	VS	3.72	S	4.65	VS	5.78	VS	9.48	L	11.44	VS		
35	>1644	515.0	344.2	1988	L	S	S	1.69	VS	1.82	VS	2.15	S	3.31	VS	3.72	VS	5.82	VS	6.86	VS	9.51	L	11.44	VS		
36	450.4	332.7	96.9	1979	L	S	S	1.70	VS	2.01	VS	2.15	S	3.32	VS	3.72	VS	5.81	VS	9.51	M	11.46	VS	14.32	S		
37	657.1	391.3	122.4	1982	L	S	S	1.69	VS	2.13	VS	3.32	VS	3.72	VS	4.87	S	5.85	VS	11.36	VS	9.53	L	14.30	L		
38	10.0	31.9	6.9	1959	VS	VS	VS	1.69	VS	2.14	VS	3.73	VS	4.85	VS	5.85	VS	9.32	L	9.99	VS	11.39	VS	14.32	VS		
39	69.7	59.8	15.9	1963	S	VS	VS	2.14	VS	3.30	VS	3.72	VS	4.87	VS	5.81	VS	8.94	VS	9.37	M	10.01	VS	11.31	VS		
136	355.2	1243.8	23.8	C	L	L	VS	1.67	VS	2.10	VS	2.22	VS	3.02	VS	5.64	VS	9.00	S	14.04	S	17.89	S				
138	394.9	231.4	40.9	C	L	S	VS	1.65	VS	2.06	VS	5.63	VS	9.00	S	9.32	S	14.03	S	17.84	VS						
139	74.6	71.6	7.7	1968	S	VS	VS	2.07	VS	3.20	VS	5.65	VS	8.99	L	11.04	VS	14.06	VS	14.80	VS	17.84	VS				
140	133.5	>44505.5	10.4	C	M	L	VS	1.66	VS	1.80	VS	2.07	VS	5.63	VS	9.01	S	11.05	S	14.04	S	17.88	S				
142	578.1	417.3	61.1	C	L	S	S	1.66	VS	1.76	VS	2.07	VS	2.23	VS	3.02	VS	3.23	VS	5.67	VS	9.32	S	11.04	S		
143	999.4	>46638.4	NA	C	L	L	M	1.67	VS	2.07	VS	3.23	VS	3.63	VS	5.68	S	6.18	L	9.39	L	14.03	S	17.88	M		
144	73.3	29.8	4.0	1961	S	VS	VS	1.68	VS	2.06	VS	5.64	VS	9.36	M	17.90	L										
145	818.5	451.3	50.9	C	L	S	S	1.67	VS	2.07	VS	3.23	VS	4.84	VS	5.67	VS	7.22	VS	9.36	M	14.04	S	17.98	L		
146	410.2	217.2	17.7	1982	L	S	S	1.66	VS	2.06	VS	3.01	VS	3.63	VS	5.66	S	9.00	S	14.04	S	14.62	S	17.86	S		
147	92.8	139.1	10.0	1974	M	S	VS	2.07	VS	3.65	VS	5.63	VS	9.00	S	14.06	S	14.59	VS	17.90	S						
148	558.4	1812.7	20.9	C	L	L	M	1.67	VS	1.94	VS	2.06	S	3.00	VS	3.65	VS	5.66	S	7.15	S	8.98	S	14.67	L		
149	0.4	74.9	0.0	1969	VS	VS		1.66	VS	1.93	VS	2.10	VS	2.21	VS	2.67	VS	3.01	VS	3.74	VS	4.81	VS	5.42	VS		
150	558.9	227.3	61.5	1980	L	S	S	1.66	VS	2.07	VS	2.24	VS	3.62	VS	5.68	VS	7.32	VS	7.39	VS	9.03	S	9.34	S		
151	592.5	302.9	109.3	1990	L	S	S	1.67	VS	2.07	VS	2.22	VS	2.69	VS	2.98	VS	3.23	VS	3.63	VS	4.63	VS	5.65	VS		
152	168.2	114.4	29.9	1973	L	VS	VS	1.65	VS	2.10	VS	2.25	VS	3.00	VS	3.62	VS	4.64	VS	5.65	VS	9.00	M	14.07	L		
153	365.9	>24887.6	20.2	C	L	L	S	1.65	VS	1.95	VS	2.06	VS	5.67	VS	8.99	S	14.06	VS	14.59	S	17.96	L				
291	24.6	>9417.4	NA	C	S	L	VS	2.23	VS	3.21	S	3.82	VS	4.75	VS	5.73	L	9.14	L	12.53	VS	14.67	L	17.83	L		
292	225.8	>2347.7	60.7	C	L	L	VS	1.70	VS	2.25	VS	3.23	S	4.84	VS	5.75	L	9.18	L	9.94	VS	10.03	VS	11.22	VS		
406	4.9	1.9	0.0	1948	VS	VS		2.18	VS	2.55	VS	2.83	VS	5.38	VS	9.11	VS	13.59	VS								
407	73.2	484.6	33.8	C	S	S	VS	1.84	VS	2.17	VS	2.29	VS	2.83	VS	5.67	VS	9.11	S	13.60	M	17.14	L				
408	6.7	6.6	0.0	1954	VS	VS		1.84	VS	2.18	VS	2.73	VS	2.83	VS	5.71	VS	9.09	VS	17.15	VS						
409	143.2	110.3	5.4	1976	M	VS	VS	2.18	VS	2.85	VS	5.64	S	~9	L	14.12	L	17.23	L								
410	1.6	12.0	11.2	1958	VS	VS	VS	1.69	VS	2.17	VS	2.72	VS	2.84	VS	3.78	VS	4.76	VS	6.38	VS	9.13	M	9.55	S		
411	382.1	133.8	28.3	1982	L	VS	VS	1.69	VS	2.16	VS	2.86	VS	3.27	VS	5.62	VS	9.10	L	14.11	L	17.11	M				
412	>1796.9	47.8	49.7	1969	L	VS	VS	1.7	VS	2.17	VS	2.83	VS	5.64	VS	7.94	S	~9	L	14.00	L	17.26	L				
413	>2990.9	119.4	234.8	1978	L	VS	S	2.16	VS	2.83	VS	3.26	VS	5.63	L	7.88	VS	~9	L	~14	L	16.19	S	16.41	S		
414	25.5	22.2	164.8	1963	VS	VS	S	1.7	VS	2.17	VS	2.85	VS	3.75	VS	4.75	VS	9.11	S	14.13	M	17.15	M				
415	57.5	9.7	12.2	1957	S	VS	VS	2.17	VS	2.57	VS	2.85	VS	5.65	VS	9.08	L	14.19	L	17.18	M						
416	38.4	406.5	147.9	C	S	S	S	1.86	VS	2.18	VS	2.84	VS	5.66	VS	9.13	L	14.12	M	17.18	L						
417	>2191.2	170.9	6.3	1984	L	VS	VS	1.69	VS	2.17	VS	2.83	VS	5.68	VS	9.17	L	14.08	S	17.14	S						
418	425.3	119.0	101.1	1977	L	VS	VS	2.16	VS	2.85	VS	3.07	VS	3.23	VS	4.71	VS	5.60	VS	9.12	L	13.97	L	14.44	L		
419	38.7	24.1	11.7	1963	S	VS	VS	1.68	VS	2.18	VS	9.08	S	17.13	M												
420	45.4	119.9	7.6	1978	S	VS	VS	2.18	VS	2.84	VS	5.68	VS	8.96	VS	17.16	S										
421	11.4	11.5	0.0	1958	VS	VS		1.68	VS	2.19	VS	2.72	VS	2.84	VS	3.13	VS	5.70	VS	9.15	VS	13.69	S	14.29	VS		
422	471.0	390.3	>1591.7	C	L	S	L	1.69	VS	2.16	VS	2.84	VS	3.26	VS	5.62	S	9.15	L	14.12	L	17.14	L	18.60	VS		
423	>8448.6	20.6	13.9	1962	L	VS	VS	2.18	VS	2.87	VS	9.10	S	13.60	M	17.17	M										
424	97.1	93.1	10.7	1975	S	VS	VS	1.69	VS	2.17	VS	2.87	VS	5.64	S	7.97	VS	9.25	L	17.18	M	18.28	VS				
425	210.5	72.6	17.8	1973	M	VS	VS	2.18	VS	2.85	VS	3.29	VS	4.68	VS	5.68	VS	9.06	S	13.59	L	17.15	M				
426	4.8	4.2	0.0	1951	VS	VS		2.17	VS	2.73	VS	3.05	VS	4.74	VS	5.67	VS	8.96	S	~14	VS	~17	VS				
427	16.2	13.4	0.0	1959	VS	VS		2.18	VS	2.72	VS	2.82	VS	9.06	S												
428	959.0	98.9	48.6	1975	L	VS	VS	2.17	VS	2.82	VS	3.24	VS	5.63	S	9.12	L	14.14	L	17.17	L						
429	0.4	0.0	0.0	≤1940	VS			2.19	VS	5.64	VS	9.22	L	14.11	L	17.07	S										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
32	14.30	M	18.12	S																						
33	14.29	M	15.65	VS	18.14	VS																				
34	14.29	S	18.14	M	18.96	VS																				
35	13.67	VS	14.27	L	15.13	VS	18.15	L																		
36	14.37	S	14.86	S	15.50	VS	18.10	S																		
37	18.14	S																								
38	18.04	VS																								
39	12.87	VS	14.36	L	15.55	VS	17.89	VS	18.14	S																
136																										
138																										
139																										
140																										
142	14.04	S	17.89	L																						
143																										
144																										
145																										
146																										
147																										
148	17.98	L																								
149	5.64	S	8.97	L	12.32	VS	14.57	L	17.78	M																
150	14.03	S	17.94	L																						
151	9.05	S	9.32	M	12.31	VS	14.06	S	17.90	S																
152	17.88	S																								
153																										
291																										
292	14.69	L	17.85	L																						
406																										
407																										
408																										
409																										
410	13.59	S	15.13	M	17.16	M																				
411																										
412																										
413	18.08	M																								
414																										
415																										
416																										
417																										
418	17.15	L																								
419																										
420																										
421	14.52	VS	17.32	S																						
422																										
423																										
424																										
425																										
426																										
427																										
428																										
429																										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
430	847.8	893.4	>1873	C	L	S	L	2.17	VS	2.83	VS	3.22	VS	4.69	VS	5.64	S	9.44	L	13.87	L	17.31	L		
431	549.7	847.7	36.4	C	L	S	VS	2.18	VS	3.27	VS	5.63	VS	7.88	VS	~9	L	~14	L	17.17	L				
432	17.4	11.9	0.0	1958	VS	VS		1.70	VS	2.18	VS	2.27	VS	2.86	VS	4.74	VS	8.99	VS	17.12	VS				
433	479.1	127.7	384.3	1980	L	VS	S	2.18	VS	2.84	VS	5.65	S	9.19	L	10.20	VS	~14	L	17.19	L				
434	972.6	37.0	7.7	1967	L	VS	VS	1.70	VS	2.17	VS	2.86	VS	5.64	M	9.13	L	14.16	L	17.19	L				
435	35.0	37.6	475.5	1967	S	VS	S	1.69	VS	2.18	VS	2.85	VS	4.74	VS	5.63	VS	9.32	L	14.13	L	17.16	L		
436	14.0	10.1	9.6	1957	VS	VS	VS	1.7	VS	2.19	VS	2.73	VS	2.87	VS	4.74	VS	9.10	VS	13.57	S	17.16	S		
437	49.2	124.6	7.5	1977	S	VS	VS	2.18	VS	2.84	VS	4.72	VS	8.99	VS	13.60	S	17.15	S						
438	11.4	6.9	0.0	1955	VS	VS		2.18	VS	2.28	VS	2.85	VS	4.76	VS	9.10	VS	13.59	VS	17.16	S				
471	264.6	247.7	20.9	1986	L	S	VS	1.68	VS	2.08	M	3.62	VS	5.67	VS	9.32	M	14.55	VS	17.77	L				
472	327.8	169.8	NA	1978	L	S		1.68	VS	1.81	VS	2.08	M	3.62	VS	4.74	VS	5.73	VS	6.07	S	9.27	S	14.55	VS
473	207.7	114.6	NA	1978	L	VS		1.69	VS	2.08	S	3.62	VS	4.72	VS	5.70	VS	6.06	VS	9.09	M	14.55	VS	17.80	L
474	>1793.3	1368.8	573.6	C	L	L	M	1.68	VS	1.78	VS	2.08	S	3.18	VS	3.63	VS	5.78	VS	9.31	L	14.59	L	17.29	L
681	667.4	363.1	98.4	1999	L	S	S	1.71	VS	2.00	VS	2.11	S	3.26	VS	5.79	VS	9.45	M	14.19	S				
682	310.9	232.1	18.3	1983	L	S	VS	1.70	VS	2.01	VS	2.11	S	3.28	VS	4.93	VS	5.81	VS	9.49	S	14.19	VS		
683	287.2	>3035.5	47.2	C	L	L	VS	1.99	VS	2.11	S	3.24	L	4.77	VS	4.94	VS	5.78	VS	6.14	VS	9.49	L	10.85	M
684	>2624.1	>3457.9	51.9	C	L	L	VS	1.70	VS	2.02	VS	2.11	VS	3.05	VS	3.24	VS	3.72	VS	4.95	VS	5.79	VS	9.51	L
685	>4255.7	>2684.5	11.7	C	L	L	VS	2.11	M	3.24	VS	3.69	VS	9.50	L	14.21	L								
686	>3007.4	378.3	84.5	1999	L	S	VS	1.69	VS	2.00	VS	2.10	S	3.29	VS	5.73	VS	9.47	L	14.19	S				
687	546.7	300.3	74.9	1985	L	S	VS	1.70	VS	2.00	VS	2.11	S	3.28	VS	3.69	VS	5.81	VS	9.50	L	14.21	S		
688	>5642.7	>3444.7	112.0	C	L	L	S	1.70	VS	2.02	VS	2.11	S	3.25	VS	4.94	S	5.79	S	6.19	S	9.49	L	14.25	L
697	535.5	1220.5	56.1	C	L	M	VS	2.10	VS	3.26	VS	3.70	VS	3.86	VS	5.80	VS	9.46	M	14.20	S	~18	VS		
700	515.7	747.2	133.4	C	L	M	S	1.70	VS	1.99	VS	2.11	S	3.27	VS	3.69	VS	4.83	VS	5.79	VS	9.43	M	14.20	L
701	614.6	384.5	25.8	1999	L	S	VS	1.70	VS	2.10	VS	3.30	VS	5.79	VS	9.47	M	13.76	VS	14.36	S	14.80	M		
702	251.5	212.1	13.5	1978	L	S	VS	2.11	VS	3.24	VS	5.78	VS	9.24	S	14.20	VS								
703	>3613.4	>2867.0	15.0	C	L	L	VS	1.70	VS	1.99	VS	2.12	S	3.25	VS	3.75	VS	5.82	VS	6.33	VS	9.47	L	11.53	VS
709	47.8	81.0	29.9	1970	S	VS	VS	2.11	S	6.12	VS	9.32	S	~14	VS	~18	VS								
710	>1101.3	191.8	51.3	1977	L	S	VS	1.70	VS	1.78	VS	2.06	S	3.67	VS	5.75	VS	6.22	VS	9.41	M	14.19	S	18.03	S
711	>1855.7	123.9	26.8	1972	L	VS	VS	1.70	VS	1.80	VS	2.02	VS	2.11	S	3.24	VS	3.67	VS	4.81	VS	5.77	VS	9.28	S
712	>8360.0	69.5	0.0	1968	L	VS		1.70	VS	2.11	S	6.14	VS	9.29	S	~14	VS	18.04	L						
713	273.0	208.4	36.7	1981	L	S	VS	1.70	VS	1.80	VS	2.02	VS	2.11	S	3.27	VS	3.71	VS	5.78	VS	9.29	S	14.23	VS
714	113.2	84.6	0.0	1970	M	VS		1.70	VS	2.01	VS	2.12	S	3.69	VS	4.79	VS	5.76	VS	6.13	S	9.43	S	14.76	VS
715	847.8	653.3	136.6	C	L	S	S	1.71	VS	1.80	VS	2.11	S	3.28	VS	3.67	VS	5.78	VS	9.44	L	14.76	VS	18.06	L
716	12.4	0.0	0.0	≤1940	VS			2.14	L	9.23	S	~14	VS	~18	VS										
717	513.6	263.2	34.2	1984	L	S	VS	1.71	VS	2.01	VS	2.12	M	3.24	VS	3.71	VS	4.80	VS	6.35	VS	9.25	S	18.04	S
718	>2036.8	955.9	83.0	C	L	M	VS	1.71	VS	1.80	VS	2.14	L	3.27	VS	5.75	VS	6.23	VS	9.45	L	14.55	VS	14.76	VS
719	NA	121.2	0.0	1972		VS		1.70	VS	2.11	VS	3.23	VS	3.69	VS	4.13	VS	4.79	VS	5.76	S	8.19	VS	9.47	L
720	1.8	4.9	0.0	1950	VS	VS		1.69	VS	2.25	VS	2.72	VS	2.84	VS	3.27	VS	3.69	S	4.60	VS	5.45	VS	5.73	VS
721	18.9	54.8	6.5	1965	S	VS	VS	1.71	VS	3.67	VS	5.77	VS	9.43	M	11.31	S	14.79	VS	17.96	VS				
722	7.0	13.7	0.0	1956	VS	VS		1.70	VS	2.11	M	3.68	VS	9.44	M	14.73	VS	18.06	VS						
723	835.8	484.6	126.6	C	L	S	S	1.70	VS	1.80	VS	2.00	VS	2.11	S	3.28	VS	3.69	VS	5.78	VS	9.39	M	18.06	L
865	617.4	352.7	110.6	1997	L	S	S	1.70	VS	1.79	VS	2.10	VS	3.22	VS	3.66	VS	5.76	VS	9.35	S	14.12	M	17.93	S
867	27.8	42.9	0.0	1965	VS	VS		1.70	VS	1.97	VS	2.10	S	5.74	VS	9.09	S	~14	VS	17.77	VS				
869	716.1	370.4	104.6	1999	L	S	S	1.70	VS	2.10	VS	3.65	VS	5.72	VS	9.20	S	14.01	VS	17.77	S				
870	261.7	64.1	5.4	1968	L	VS	VS	1.69	VS	1.79	VS	2.10	VS	3.67	VS	5.78	VS	9.25	S	14.10	S	17.95	L		
873	>2329.8	673.3	146.8	C	L	M	S	1.70	VS	1.79	VS	2.10	VS	2.26	VS	3.22	S	3.78	VS	4.73	VS	5.72	VS	6.06	S
876	614.8	311.9	89.6	1990	L	S	S	1.70	VS	2.09	VS	2.25	VS	3.24	VS	3.64	VS	5.70	VS	9.30	M	13.99	S	17.77	S
877	626.2	335.6	95.3	1994	L	S	S	1.69	VS	1.79	VS	1.99	VS	2.10	S	9.11	M	13.97	VS	17.75	S				
878	>2559.5	276.7	53.5	1987	L	S	VS	1.70	VS	1.79	VS	2.10	S	3.67	VS	5.69	VS	6.07	S	9.13	S	13.97	S	17.79	L
879	34.9	27.4	0.0	1962	S	VS		1.70	VS	1.78	VS	2.09	VS	3.67	VS	4.75	VS	5.71	VS	9.10	S	13.99	VS		
882	554.5	262.4	56.4	1986	L	S	VS	1.69	VS	1.80	VS	2.10	S	3.66	VS	5.76	VS	9.17	L	14.12	VS	17.94	M		
885	698.9	498.2	111.1	C	L	S	S	1.69	VS	1.79	VS	2.09	VS	3.24	VS	3.66	VS	5.74	VS	9.28	M	13.98	VS	17.78	S
887	539.8	299.1	74.6	1990	L	S	VS	1.69	VS	1.79	VS	2.09	VS	3.21	VS	3.63	VS	4.86	VS	5.72	VS	9.28	S	14.01	VS
889	875.4	381.1	114.5	C	L	S	S	1.69	VS	1.80	VS	1.99	VS	2.10	S	3.25	VS	5.74	VS	9.36	M	14.14	L	17.93	L
890	636.5	354.6	115.5	1997	L	S	S	1.70	VS	1.79	VS	2.01	VS	2.10	S	3.23	VS	5.87	VS	9.25	M	11.24	VS	14.12	M

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
430																										
431																										
432																										
433																										
434																										
435																										
436																										
437																										
438																										
471																										
472	17.80	L																								
473																										
474																										
681																										
682																										
683	11.28	S	14.25	L	18.20	VS																				
684	14.23	L	18.06	S																						
685																										
686																										
687																										
688	18.07	VS																								
697																										
700	18.09	S																								
701																										
702																										
703	14.88	L	18.15	VS																						
709																										
710																										
711	18.03	S																								
712																										
713	14.73	VS	18.01	S																						
714	18.07	VS																								
715																										
716																										
717	18.22	VS																								
718	18.05	L	19.07	VS																						
719	14.51	L	18.05	L																						
720	9.43	S	14.79	VS	17.99	VS																				
721																										
722																										
723																										
865																										
867																										
869																										
870																										
873	9.27	S	9.84	VS	11.16	VS	14.03	L	17.81	L																
876																										
877																										
878																										
879																										
882																										
885																										
887	17.78	S																								
889																										
890	17.95	L																								

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
939	NA	601.3	28.1	C		S	S	1.68	VS	2.05	VS	2.10	VS	2.79	S	3.10	VS	4.67	M	5.32	L	9.37	L	13.94	S		
940	5.3	144.8	17.8	1973	VS	S	VS	1.68	VS	2.02	VS	2.15	VS	2.71	VS	3.25	VS	3.67	VS	4.80	VS	5.72	VS	9.10	VS		
941	622.0	393.0	105.3	1992	L	S	S	2.16	M	9.07	M	13.79	S	17.55	M	1.68	VS	1.83	VS	2.00	VS	2.71	VS	3.27	VS		
942	8.4	21.1	2.8	1958	VS	VS	VS	2.03	VS	2.16	VS	2.72	VS	2.83	VS	3.06	VS	3.69	VS	4.83	VS	5.72	VS	9.13	S		
943	11.1	18.0	1.9	1957	VS	VS	VS	2.16	VS	3.09	VS	3.66	VS	4.76	VS	5.71	VS	9.18	S	17.6	S						
944	7.1	121.8	9.5	1971	VS	VS	VS	1.69	VS	2.01	VS	2.16	VS	3.30	VS	3.67	VS	4.86	VS	5.78	VS	8.98	VS	9.13	VS		
945	67.1	276.5	46.8	1988	S	S	VS	1.68	VS	2.02	VS	2.15	VS	3.07	VS	3.28	VS	3.67	VS	4.86	VS	5.75	VS	9.12	S		
946	397.1	>4781.2	5.0	C	L	L	VS	2.17	VS	3.06	VS	3.22	VS	3.68	VS	4.86	VS	5.45	VS	5.72	VS	5.95	VS	11.13	VS		
947	452.3	836.6	70.6	C	L	M	S	1.67	VS	1.99	VS	2.15	S	2.71	VS	3.73	VS	4.88	S	5.70	VS	9.08	S	11.10	VS		
948	364.8	2296.8	55.8	C	L	L	S	1.68	VS	2.00	VS	2.16	L	3.07	VS	3.23	VS	4.89	S	5.70	VS	7.60	VS	9.09	L		
949	3.6	26.0	0.0	1959	VS	VS	VS	1.68	VS	1.83	VS	2.00	VS	2.15	VS	2.71	VS	2.84	VS	3.08	VS	3.78	VS	4.89	M		
950	828.9	913.3	73.1	C	L	S	VS	2.15	VS	2.99	VS	3.24	VS	3.70	VS	4.61	VS	5.48	VS	8.58	S	13.48	S	16.38	L		
951	11.3	181.9	53.2	1977	VS	VS	VS	2.18	VS	2.26	VS	2.80	VS	3.09	VS	3.26	VS	3.74	VS	5.60	VS	8.83	L	~14	VS		
952	>2806.9	492.1	306.5	C	L	S	S	1.70	VS	2.15	S	3.08	VS	3.25	VS	3.76	VS	5.62	VS	8.85	L	13.44	S	17.02	M		
953	30.3	29.0	>1782.3	1961	S	VS	L	1.69	VS	1.80	VS	2.15	VS	2.24	VS	2.73	VS	3.06	VS	3.74	VS	5.57	VS	9.00	S		
954	21.3	91.2	>2357.0	1969	VS	VS	L	2.17	VS	2.71	VS	2.82	VS	3.72	VS	5.62	VS	9.01	VS	13.46	VS	~17	VS				
955	>1000.4	445.4	185.8	1997	L	S	S	2.15	VS	2.25	VS	3.21	VS	3.63	VS	5.51	VS	8.84	S	13.14	VS	16.60	S				
956	529.1	335.6	186.5	2000	L	S	S	1.99	VS	2.14	L	3.01	VS	3.22	VS	3.71	VS	4.60	VS	5.48	VS	8.59	S	12.99	VS		
957	4.0	3.3	457.3	1948	VS	VS	S	2.16	VS	2.68	VS	3.02	VS	3.31	VS	3.63	VS	4.69	VS	5.33	VS	5.63	VS	16.99	VS		
958	350.9	169.0	462.6	1976	L	VS	S	1.69	VS	2.16	VS	2.69	VS	3.03	VS	3.26	VS	3.77	VS	5.57	VS	8.81	M	13.41	S		
959	216.6	222.5	493.6	1982	M	S	S	2.16	VS	3.03	VS	3.20	VS	3.70	VS	4.60	VS	5.40	VS	8.54	S	~13.5	VS	16.29	S		
960	9.4	Swamped	>2042.8	C	VS	L	L	2.16	VS	2.85	L	3.16	S	3.68	VS	5.46	VS	8.54	M	10.06	VS	~13.5	VS	~16.5	VS		
961	967.3	Swamped	542.6	C	L	L	S	1.68	VS	2.14	VS	2.82	L	3.16	S	3.56	VS	4.69	VS	5.91	L	6.59	L	8.70	L		
962	682.2	439.6	245.4	1997	L	S	S	2.14	VS	2.99	VS	3.23	VS	3.68	VS	4.61	VS	5.45	VS	8.57	L	13.45	VS	16.39	L		
963	678.9	>3203.3	>2106.1	C	L	L	L	2.14	VS	3.67	VS	5.45	VS	8.58	S	13.47	S	16.39	L								
964	107.0	178.8	207.4	1977	S	VS	S	2.16	VS	3.68	VS	5.50	VS	8.62	VS	~13.5	VS	16.40	S								
965	22.2	200.3	90.8	1976	VS	S	VS	2.16	VS	3.65	VS	4.73	VS	5.50	VS	8.68	M	9.36	VS	9.45	VS	13.21	VS	13.63	VS		
966	5.8	84.3	81.6	1969	VS	VS	VS	2.16	VS	3.62	VS	5.52	VS	8.69	VS	10.62	VS	~13.5	VS	~16.5	VS						
967	13.5	7.7	87.8	1952	VS	VS	S	1.70	VS	1.84	VS	1.99	VS	2.26	VS	2.67	VS	3.62	VS	4.65	VS	5.45	VS	8.66	M		
968	76.8	73.4	138.2	1967	S	VS	S	2.14	VS	2.80	VS	3.73	VS	4.63	VS	5.48	VS	8.71	VS	13.71	S	16.63	VS				
969	45.0	350.1	116.8	1989	S	S	VS	2.16	VS	3.22	VS	3.70	VS	4.71	VS	5.55	VS	8.69	VS	13.71	M	16.65	S				
970	456.7	802.2	164.6	C	L	S	S	2.26	VS	3.22	VS	4.64	VS	5.51	VS	8.73	S	13.60	VS	16.56	S						
971	34.8	22.1	155.7	1959	S	VS	S	2.16	VS	2.67	VS	3.61	VS	4.64	VS	5.51	VS	8.67	VS	~13.5	VS	16.59	VS				
972	9.7	32.5	>1284.0	1961	VS	VS	L	1.97	VS	2.25	VS	2.70	VS	3.65	VS	5.48	VS	8.83	S	13.62	VS	16.57	S				
973	537.2	281.4	300.6	1983	L	S	S	2.20	VS	2.89	VS	3.86	VS	5.90	VS	9.40	S	14.26	S	18.08	S						
974	Swamped	>19362.6	602.0	C	L	L	S	2.13	VS	3.17	VS	3.60	VS	4.72	S	8.66	M	13.15	L	16.61	L						
975	4.5	64.9	82.6	1966	VS	VS	VS	1.68	VS	2.16	VS	2.26	VS	3.61	S	4.64	VS	5.49	VS	8.69	VS	13.70	S	16.67	L		
976	730.0	358.1	144.8	1987	L	S	S	1.83	VS	2.16	VS	2.26	VS	3.23	S	3.63	VS	4.65	VS	5.88	M	7.07	VS	8.14	VS		
977	576.0	445.4	147.4	2000	L	S	S	1.69	VS	2.13	VS	3.20	VS	3.66	VS	8.72	S	13.16	VS	16.66	S	17.46	VS				
978	3.1	4.2	54.7	1949	VS	VS	VS	2.16	VS	5.53	VS	8.68	S	13.66	VS	16.62	VS										
979	731.0	405.6	213.4	1997	L	S	S	2.15	VS	2.26	VS	3.22	VS	4.59	VS	8.85	M	13.16	VS	16.61	S						
980	163.4	1376.2	96.3	C	M	M	VS	2.16	VS	2.24	VS	3.22	VS	3.64	VS	5.49	VS	8.69	S	~13	VS	16.58	S				
981	1.7	Swamped	156.3	C	VS	L	S	2.21	VS	2.84	L	3.79	VS	4.93	VS	5.89	VS	9.29	VS	11.42	VS	14.27	S	~18	VS		
982	528.8	519.3	195.3	C	L	S	S	2.19	VS	3.16	VS	3.80	VS	5.85	VS	9.32	S	14.25	M	18.05	S						
983	6.9	14.5	199.6	1956	VS	VS	S	1.87	VS	2.04	VS	2.22	VS	2.85	VS	3.10	VS	3.41	VS	3.77	VS	4.91	VS	5.61	VS		
984	493.0	235.9	93.5	1979	L	S	VS	1.69	VS	2.15	VS	3.21	VS	3.60	VS	4.63	VS	5.51	VS	8.69	S	~13.5	VS	16.61	S		
985	1.2	3.7	0.0	1948	VS	VS		2.16	VS	2.25	VS	2.69	VS	2.78	VS	3.74	VS	5.49	VS	8.86	M	~13	VS	16.64	VS		
986	1.8	4.5	0.0	1948	VS	VS		2.16	VS	2.71	VS	3.60	VS	4.66	VS	5.53	VS	8.67	L	13.72	L	~16.5	VS				
987	6.6	51.4	0.0	1966	VS	VS		2.15	VS	2.77	VS	3.22	VS	5.47	VS	8.84	S	~13.5	VS	16.64	S						
988	0.0	137.2	4.5	1972		VS	VS	1.97	VS	2.15	VS	2.77	VS	3.64	VS	4.65	VS	8.62	VS	~13.5	VS	~16.5	VS				
989	895.3	387.7	138.8	1989	L	S	S	2.13	VS	3.20	VS	3.63	VS	5.53	VS	8.69	S	13.16	S	16.64	S						
990	418.3	Swamped	50.3	C	L	L	S	1.68	VS	2.14	VS	2.79	L	3.60	VS	4.74	S	5.52	VS	8.67	M	13.14	S	13.61	VS		
991	0.0	1.6	0.0	1946		VS		2.15	VS	2.68	VS	3.61	VS	5.51	VS	8.82	VS	13.17	S	~16.5	VS						
992	1.0	1726.2	0.0	C	VS	M		2.15	VS	5.52	M	8.66	VS	10.60	VS	13.71	S	16.63	S								
993	826.2	371.2	90.5	1997	L	S	S	2.14	VS	3.21	VS	3.62	VS	4.61	VS	5.52	VS	8.68	L	13.18	L	16.71	L	18.84	VS		

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
939	17.57	S																								
940	14.16	VS	14.32	VS	17.54	VS																				
941	3.66	VS	4.74	VS	5.72	VS																				
942	11.10	VS	13.87	L	18.14	M																				
943																										
944	14.43	S	17.58	S																						
945	13.86	S	17.58	S																						
946	9.1	L	14.38	S	17.61	L																				
947	13.94	L	17.27	L																						
948	14.4	L	17.45	L																						
949	5.69	VS	9.26	S	12.32	VS	13.88	VS	17.55	S																
950																										
951	~17	VS																								
952																										
953	~14	VS	16.94	S																						
954																										
955																										
956	13.51	VS	16.46	L																						
957																										
958	16.99	VS																								
959																										
960																										
961	12.95	S	16.30	S																						
962																										
963																										
964																										
965	16.65	S																								
966																										
967	10.57	S	13.18	S	16.62	L																				
968																										
969																										
970																										
971																										
972																										
973																										
974																										
975																										
976	8.73	L	10.63	VS	13.22	M	16.67	L																		
977																										
978																										
979																										
980																										
981																										
982																										
983	5.88	VS	9.32	S	14.83	S	18.08	VS																		
984																										
985																										
986																										
987																										
988																										
989																										
990	16.65	L																								
991																										
992																										
993																										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
994	727.9	509.5	79.7	C	L	S	S	2.14	VS	2.81	VS	3.21	VS	3.62	VS	4.72	VS	5.50	VS	8.67	S	13.21	L	14.92	VS
995	921.0	389.1	111.7	C	L	S	S	2.14	VS	3.22	VS	3.63	VS	4.73	S	5.51	VS	8.70	L	13.07	L	13.53	L	16.32	M
996	24.8	36.1	5.2	1964	VS	VS	VS	2.14	VS	2.26	VS	3.62	VS	4.64	VS	5.53	VS	8.74	S	16.62	VS				
1115	37.5	32.8	4.3	1965	S	VS	VS	1.67	VS	2.09	VS	4.79	VS	5.82	VS	9.30	S	~18	VS						
1117	0.0	0.0	0.0	≤1940				1.69	VS	2.09	VS	3.00	VS	4.80	VS	5.89	VS	9.25	VS						
1120	5.6	10.4	NA	1957	VS	VS	VS	1.69	VS	2.10	VS	3.00	VS	3.24	VS	3.68	VS	4.80	VS	5.93	VS	9.27	L	~14	VS
1126	6.0	6.1	0.0	≤1940	VS	VS		1.69	VS	2.11	VS	2.69	VS	2.83	VS	3.04	VS	4.78	VS	5.84	VS	9.46	VS	~18	VS
1127	0.0	0.0	0.0	≤1940				1.68	VS	2.15	VS	2.97	VS	3.18	VS	3.69	VS	4.81	VS	9.23	VS	~18	VS		
1128	4.7	12.4	0.0	1958	VS	VS		1.69	VS	2.09	VS	4.78	VS	5.91	VS	9.40	S								
1130	104.9	0.0	0.0	≤1940	M			2.14	VS	2.86	VS	3.15	VS	5.98	VS	9.30	S	~18	VS						
1131	0.0	0.0	0.0	≤1940				1.69	VS	3.23	VS	3.71	VS	4.83	VS	5.91	VS	9.30	M	~18	VS				
1132	0.0	0.0	0.0	≤1940				1.69	VS	2.10	VS	2.99	VS	4.81	VS	5.90	VS	9.31	VS	17.61	VS				
1133	3.3	0.0	0.0	≤1940	VS			2.09	VS	2.99	VS	4.80	VS	5.89	VS	9.23	S	~14	VS	~18	VS				
1134	0.0	0.0	0.0	≤1940				2.87	VS	4.77	VS	5.91	VS	9.26	VS	~18	VS								
1135	0.0	0.0	0.0	≤1940				1.69	VS	2.11	VS	3.01	VS	5.97	VS	9.28	VS	17.48	VS						
1136	0.0	0.0	0.0	≤1940				1.68	VS	2.15	VS	3.25	VS	4.80	VS	5.81	VS	9.29	L	~11	VS	~18	VS		
1138	11.4	11.7	25.2	1954	VS	VS	VS	1.67	VS	2.10	VS	3.24	VS	3.67	VS	3.83	VS	4.77	VS	9.26	VS	14.20	VS	~18	VS
1140	6.4	12.5	0.0	1952	VS	VS		1.68	VS	2.16	VS	3.69	VS	4.86	VS	5.58	VS	5.90	VS	9.34	S	~14	VS	~18	VS
1141	29.7	0.0	0.0	≤1940	S			1.67	VS	2.09	VS	2.25	VS	3.01	VS	5.86	VS	9.27	S	~18	VS				
1142	181.9	109.7	35.3	1992	L	VS	VS	1.68	VS	2.09	VS	2.80	VS	3.25	VS	3.66	VS	3.77	VS	4.79	VS	5.76	S	9.25	L
1143	6.4	5.1	0.0	1954	VS	VS		1.68	VS	2.09	VS	2.85	VS	3.20	VS	3.41	VS	3.43	VS	3.67	VS	4.78	VS	5.77	VS
1144	52.9	127.4	8.3	1978	S	S	VS	1.66	VS	2.09	VS	2.95	VS	3.23	VS	4.79	VS	5.05	VS	5.53	VS	9.23	S	9.79	VS
1145	0.7	0.0	0.0	≤1940	VS			1.67	VS	2.85	VS	3.20	VS	3.66	VS	4.79	VS	5.51	VS	5.74	VS	9.24	VS	~14	VS
1146	0.0	0.0	0.0	≤1940				1.68	VS	2.10	VS	2.93	VS	3.63	VS	3.67	VS	4.80	VS	9.27	S	~18	VS		
1147	0.0	0.0	0.0	≤1940				1.67	VS	2.84	VS	3.20	VS	3.45	VS	3.67	VS	4.79	VS	5.78	VS	6.40	VS	9.37	VS
1148	0.0	20.0	0.0	1962		VS		1.68	VS	2.15	VS	2.72	VS	3.01	VS	4.83	VS	5.88	VS	9.34	L	~18	VS		
1153	0.0	30.9	0.0	1965		VS		1.65	VS	2.10	VS	2.19	VS	2.94	VS	4.02	VS	4.50	VS	5.44	VS	8.62	VS	13.28	VS
1154	11.8	17.3	0.0	1959	VS	VS		2.16	VS	2.72	VS	5.66	VS	9.23	L	10.97	VS	14.24	L	15.25	M	17.40	M		
1155	2.6	4.9	0.0	1951	VS	VS		2.17	VS	3.70	S	3.80	VS	4.77	VS	5.64	VS	9.19	L	10.98	VS	13.68	L	15.26	L
1156	63.8	24.9	0.0	1962	S	VS		1.70	VS	2.16	VS	2.70	VS	3.78	VS	5.69	VS	9.19	L	13.68	S	17.33	L		
1157	59.0	48.3	6.9	1967	S	VS	VS	1.68	VS	2.17	VS	2.72	VS	3.11	VS	3.74	VS	4.74	VS	5.68	VS	9.04	L	13.67	S
1158	2.9	8.1	0.0	1954	VS	VS		2.17	VS	2.73	VS	5.68	VS	8.92	L	~13	VS	~17	VS						
1159	2.4	22.9	0.0	1961	VS	VS		1.68	VS	2.17	VS	2.72	VS	5.68	VS	9.08	S	~14	VS	~17	VS				
1160	10.4	5.2	0.0	1951	VS	VS		1.70	VS	2.17	VS	2.27	VS	2.73	VS	2.83	VS	3.04	VS	3.33	VS	3.79	VS	4.76	VS
1161	10.8	21.3	4.4	1961	VS	VS	VS	2.17	VS	2.71	VS	4.73	VS	5.67	VS	9.17	L	~11	VS	13.72	M	15.27	S	17.34	L
1170	50.8	195.5	4.5	1989	S	S	VS	1.71	VS	2.19	VS	5.76	VS	9.14	S	14.10	M	17.85	S						
1171	5.4	427.4	0.0	C	VS	S		1.72	VS	2.17	VS	2.88	VS	5.77	VS	9.42	S	14.08	VS						
1174	65.4	86.9	28.4	1974	S	VS	VS	1.72	VS	2.19	VS	2.87	VS	3.10	VS	5.77	VS	9.44	M	14.08	L	~18	VS		
1175	33.0	24.9	4.1	1964	S	VS	VS	1.72	VS	2.18	VS	2.76	VS	3.12	VS	4.81	VS	5.77	VS	9.14	M	14.1	L	17.88	S
1176	53.2	41.4	583.3	1968	S	VS	L	1.72	VS	2.17	VS	2.33	VS	2.87	VS	3.12	VS	4.86	VS	5.78	S	9.46	L	11.18	S
1177	9.9	8.7	0.0	1956	VS	VS		1.71	VS	2.18	VS	2.76	VS	3.10	VS	4.78	VS	5.78	VS	9.12	S	14.09	VS	17.85	S
1178	>4434.3	3.6	>54598.9	1951	L	VS	L	1.72	VS	2.19	VS	2.30	VS	2.77	VS	3.10	VS	5.74	VS	7.47	VS	9.13	M	14.07	S
1179	51.3	33.9	4.2	1966	S	VS	VS	1.72	VS	2.18	VS	2.88	VS	4.74	VS	5.77	VS	5.92	VS	9.15	M	14.11	L	14.98	VS
1186	698.7	158.0	45.2	1977	L	S	VS	1.73	VS	1.85	VS	2.04	VS	2.15	S	3.32	VS	5.78	VS	9.51	L	14.20	L	18.02	M
1187	24.2	>29735.3	2.4	C	S	L	VS	1.72	VS	2.16	VS	5.80	VS	9.53	L	14.22	S	14.83	VS	18.04	L				
1188	30.1	21.3	2.7	1962	S	VS	VS	1.72	VS	2.18	VS	2.88	VS	3.11	VS	5.79	VS	9.53	M	14.22	VS	18.14	VS		
1189	77.8	35.6	35.4	1965	S	VS	VS	1.73	VS	2.15	VS	3.10	VS	3.37	VS	5.82	S	9.21	L	11.26	VS	14.20	M	18.00	L
1192	109.3	23.1	3.8	1961	M	VS	VS	1.72	VS	2.16	VS	5.81	VS	9.22	M	9.45	S	14.21	M	18.02	S				
1193	549.9	72.6	4.6	1969	L	VS	VS	1.72	VS	2.04	VS	2.15	S	5.81	VS	9.21	L	11.29	S	14.21	L	18.03	M		
1194	407.2	34.0	5.9	1957	L	VS	VS	1.71	VS	2.16	VS	5.81	VS	9.20	L	14.21	VS	18.04	VS						
1195	233.0	179.8	44.3	1981	L	S	VS	1.73	VS	2.17	VS	3.34	VS	5.80	S	9.23	L	14.80	L	18.03	L				
1245	108.9	37.8	3.2	1966	M	VS	VS	1.69	VS	2.10	VS	4.78	VS	5.75	VS	9.33	S	17.96	S						
1270	18.3	8.5	0.0	1955	VS	VS		1.69	VS	2.09	VS	3.65	M	5.70	VS	9.25	S	~18	VS						
1271	175.6	41.8	9.2	1967	L	VS	VS	1.68	VS	1.83	VS	2.09	VS	3.23	VS	3.65	S	5.67	VS	9.15	M	14.06	L	15.66	S
1272	420.5	80.6	33.4	1972	L	VS	VS	1.68	VS	1.78	VS	2.09	VS	3.23	VS	3.65	M	4.72	VS	5.77	VS	9.34	S	~14	VS

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
994	16.68	L																								
995	17.21	L																								
996																										
1115																										
1117																										
1120	~18	VS																								
1126																										
1127																										
1128																										
1130																										
1131																										
1132																										
1133																										
1134																										
1135																										
1136																										
1138																										
1140																										
1141																										
1142	11.18	VS	11.31	VS	14.17	VS	14.77	S																		
1143	9.24	VS	9.59	VS	~11	VS	~14	VS	~18	VS																
1144	9.83	VS	11.43	VS	14.21	VS	~18	VS																		
1145	~18	VS																								
1146																										
1147	9.49	VS	11.37	VS	14.21	L	~18	VS																		
1148																										
1153	~18	VS																								
1154																										
1155	17.41	M																								
1156																										
1157	17.28	S																								
1158																										
1159																										
1160	5.65	S	10.97	VS	14.28	L	17.40	L																		
1161																										
1170																										
1171																										
1174																										
1175																										
1176	14.65	S	17.87	L																						
1177																										
1178	~18	VS																								
1179	17.86	S																								
1186	18.04	M																								
1187																										
1188																										
1189																										
1192																										
1193																										
1194																										
1195																										
1245																										
1270																										
1271	17.88	L																								
1272	17.87	S																								

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
1273	230.9	64.1	17.5	1970	L	VS	VS	1.69	VS	1.80	VS	2.09	VS	2.69	VS	3.24	VS	3.65	M	4.72	VS	5.60	VS	5.74	VS
1274	170.7	46.3	10.8	1968	L	VS	VS	1.68	VS	2.09	VS	2.68	VS	3.66	L	5.60	VS	9.33	S	14.08	VS	17.89	S		
1275	241.0	46.4	24.1	1967	L	VS	VS	1.69	VS	2.10	VS	2.69	VS	3.24	VS	3.65	M	4.71	VS	5.70	VS	9.34	S	14.65	VS
1276	23.1	15.6	NA	1960	VS	VS		2.17	VS	3.72	VS	4.73	VS	8.89	VS	13.96	M	16.89	S						
1277	4.0	3.5	0.0	1950	VS	VS		1.69	VS	2.19	VS	4.72	VS	8.84	S	~14	VS	~17	VS						
1278	46.2	18.3	0.0	1961	S	VS		1.69	VS	2.17	VS	4.75	VS	8.97	VS	~14	VS	~17	VS						
1517	3.0	4.3	0.0	1949	VS	VS		1.66	VS	2.16	VS	2.72	VS	3.06	VS	3.59	VS	3.71	VS	3.92	VS	4.83	VS	5.61	VS
1518	525.8	255.7	128.3	1986	L	S	S	1.68	VS	2.09	VS	2.29	VS	2.74	VS	3.29	VS	3.71	VS	3.87	VS	5.80	VS	9.39	L
1519	40.0	12.8	0.0	1957	S	VS		3.71	S	5.85	VS	9.37	S	~15	VS	~18	VS								
1520	78.7	88.6	67.4	1970	S	VS	VS	2.13	VS	2.24	VS	2.73	VS	2.83	VS	3.03	VS	3.28	VS	3.72	S	4.78	S	5.54	S
1521	3.6	>8376.1	0.0	C	VS	L		1.68	VS	1.81	VS	2.25	VS	3.24	VS	3.72	VS	4.79	VS	5.83	VS	6.17	VS	9.40	L
1524	0.0	0.0	0.0	1940				1.70	VS	1.81	VS	1.96	VS	2.14	VS	2.25	VS	2.70	VS	3.04	VS	3.23	VS	3.51	VS
1525	154.3	113.3	25.8	1973	M	VS	VS	1.66	VS	2.10	VS	2.79	VS	3.29	VS	3.72	VS	4.79	VS	5.87	VS	9.40	L	15.31	VS
1527	0.0	0.0	0.0	≤1940				1.68	VS	2.26	VS	2.76	VS	3.02	VS	3.72	VS	3.91	VS	4.81	VS	5.85	VS	9.38	S
1529	3.6	1524.6	0.0	C	VS	L		1.68	VS	2.14	VS	3.72	VS	4.78	VS	5.83	VS	9.39	L	~14	VS	18.79	VS		
1530	0.0	0.0	9.5	≤1940			VS	1.69	VS	1.81	VS	1.96	VS	2.13	VS	2.25	VS	2.70	S	3.04	VS	3.21	VS	3.33	VS
1531	383.3	526.6	5.8	C	L	S	VS	1.67	VS	2.09	VS	3.71	VS	5.86	VS	9.39	M								
1532	4.6	3.6	0.0	≤1940	VS	VS		1.67	VS	2.79	VS	3.72	S	9.38	S	11.56	VS	~14	VS	18.79	VS				
1533	>5791.2	>3091.4	17.6	C	L	L	VS	1.67	VS	2.09	VS	2.23	VS	3.29	VS	3.70	VS	5.81	VS	9.37	M	10.11	VS	11.53	VS
1535	131.1	63.0	0.0	1969	M	VS		1.67	VS	3.29	VS	3.72	VS	5.86	VS	6.25	S	6.99	VS	9.39	L	15.33	VS	18.78	VS
1536	97.7	91.7	28.5	1971	M	VS	VS	1.67	VS	2.09	VS	3.28	VS	3.70	VS	5.81	VS	9.36	L	15.24	VS	18.74	VS		
1543	28.6	36.6	7.2	1965	S	VS	VS	1.66	VS	2.76	VS	3.71	VS	5.80	VS	9.37	L	10.19	VS	~15	VS	18.73	VS		
1544	4.9	6.0	0.0	1950	VS	VS		1.67	VS	2.10	VS	2.78	VS	3.05	VS	3.72	VS	5.85	VS	9.38	L	15.39	VS	18.76	S
1546	4.6	29.6	0.0	1962	VS	VS		2.24	VS	2.75	VS	3.71	VS	4.81	VS	5.53	VS	9.38	L	15.23	VS	18.78	VS		
1547	33.8	21.9	6.8	1975	S	VS	VS	1.70	VS	1.85	VS	1.95	VS	2.20	VS	2.30	VS	2.56	VS	2.66	VS	2.84	S	3.45	VS
1548	43.5	547.7	30.3	C	S	S	VS	1.67	VS	2.13	VS	2.25	VS	3.07	VS	3.72	VS	4.79	S	5.84	VS	9.19	L	12.02	VS
1549	2.5	21.6	0.0	1958	VS	VS		2.78	VS	3.05	VS	3.71	VS	4.81	VS	5.85	VS	6.15	VS	9.37	S	18.76	VS		
1550	1.6	5.5	0.0	1950	VS	VS		1.67	VS	2.18	VS	3.72	S	4.75	VS	5.83	VS	9.36	S	18.77	S				
1720	27.3	56.0	4.4	1968	S	VS	VS	1.71	VS	2.15	VS	2.72	VS	3.24	VS	4.79	VS	5.03	VS	9.21	S	14.15	S		
1721	104.7	132.6	16.5	1976	M	S	VS	4.78	VS	9.17	S	14.09	S												
1722	243.2	153.1	30.5	1978	L	S	VS	9.21	L	14.12	M														
1723	1.3	0.0	0.0	≤1940	VS			~9	VS	~14	VS														
1724	372.0	185.4	45.9	1978	L	S	VS	1.70	VS	2.17	VS	3.28	VS	4.79	VS	9.43	S	14.11	VS						
1773	>1193.8	525.8	73.1	1988	L	S	VS	1.67	VS	1.78	VS	2.09	VS	3.26	S	5.76	VS	9.46	L	10.05	VS	11.34	S	11.96	VS
1779	598.9	312.0	130.5	1987	L	S	S	1.67	VS	2.26	VS	3.27	VS	5.88	VS	9.37	M	14.31	VS	17.53	VS				
1788	>3690.5	572.8	317.9	C	L	M	S	1.67	VS	1.99	VS	2.09	VS	2.27	VS	3.24	VS	3.65	VS	5.94	S	9.50	L	14.23	S
1793	382.9	298.6	54.1	1986	L	S	VS	1.67	VS	1.99	VS	2.09	VS	3.19	VS	3.66	VS	4.77	VS	5.81	VS	9.44	L	10.94	VS
1795	291.6	130.9	154.0	1978	L	S	S	1.68	VS	1.83	VS	2.08	VS	3.25	VS	3.67	VS	4.75	VS	5.82	VS	9.45	M	14.17	VS
1801	434.7	167.0	558.1	1979	L	S	M	1.67	VS	2.08	VS	3.65	VS	5.78	VS	9.45	S	14.80	M						
1805	58.0	32.6	4.3	1964	S	VS	VS	1.68	VS	2.09	VS	4.78	VS	5.78	VS	9.47	L	14.18	S	~18	VS				
1896	0.0	0.0	0.0	≤1940				1.67	VS	1.76	VS	2.72	VS	2.99	VS	3.64	S	4.66	VS	5.60	VS	8.97	VS	9.40	VS
1897	0.0	0.0	0.0	≤1940				1.66	VS	1.94	VS	2.23	VS	2.72	VS	3.64	VS	5.62	VS	8.96	VS				
1898	0.0	0.0	0.0	≤1940				1.67	VS	2.19	VS	2.69	VS	2.96	VS	3.62	VS	5.61	VS	9.36	VS	14.68	VS		
1899	0.0	0.0	0.0	≤1940				1.65	VS	2.72	VS	3.00	VS	3.64	VS	4.69	VS	5.48	VS	5.60	VS	8.94	VS	12.32	VS
1900	0.9	0.0	0.0	≤1940	VS			1.65	VS	1.95	VS	2.22	VS	2.69	VS	2.78	VS	2.98	VS	3.40	VS	3.64	VS	4.67	VS
1901	178.4	74.4	14.4	1970	L	VS	VS	1.67	VS	1.78	VS	2.08	VS	2.73	VS	3.03	VS	3.23	VS	3.64	VS	5.62	VS	8.98	S
1902	0.0	0.0	0.0	≤1940				1.71	VS	1.96	VS	2.14	VS	2.22	VS	2.72	VS	3.66	VS	4.76	VS	5.74	VS	9.19	VS
1903	0.0	0.0	0.0	≤1940				2.17	VS	2.71	VS	3.41	VS	3.65	VS	9.13	VS	13.97	VS	17.83	VS				
1906	0.0	0.0	0.0	≤1940				1.66	VS	2.72	VS	3.65	VS	4.63	VS	5.68	VS	9.34	VS	14.12	VS	~18	VS		
1907	3.1	0.0	0.0	≤1940	VS			1.69	VS	2.13	VS	3.65	VS	4.80	VS	5.74	VS	9.28	S	14.65	VS	17.74	S		
1908	0.0	0.0	0.0	≤1940				2.13	VS	2.22	VS	2.66	VS	2.98	VS	3.47	VS	3.65	S	4.75	S	5.40	VS	5.72	VS
1909	497.7	497.0	374.3	C	L	S	M	1.67	VS	2.08	VS	3.00	VS	3.20	VS	5.69	S	8.10	VS	9.12	L	14.76	L	17.90	L
1911	0.0	0.0	0.0	≤1940				1.70	VS	1.81	VS	1.97	VS	2.17	VS	2.23	VS	2.77	VS	2.98	VS	3.64	VS	4.75	VS
1913	1.7	0.0	0.0	≤1940	VS			1.68	VS	2.15	VS	2.72	VS	3.65	VS	4.77	VS	5.74	VS	9.09	M	17.71	VS		

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
1273	9.11	L	~14	VS	17.88	S																				
1274																										
1275	17.88	S																								
1276																										
1277																										
1278																										
1517	5.85	VS	9.35	VS	9.39	VS	11.64	VS	15.40	L	~18	VS														
1518	~15	VS	~18	VS																						
1519																										
1520	7.40	VS	8.05	VS	9.41	L	10.93	VS	12.89	VS	14.66	S	18.75	VS												
1521	14.65	S	15.27	VS	18.70	S																				
1524	3.72	S	4.78	VS	5.82	VS	8.10	VS	9.07	VS	9.38	VS	12.97	VS	13.79	VS	14.70	VS	18.79	VS						
1525	18.85	VS																								
1527	14.71	VS	15.02	VS																						
1529																										
1530	3.72	S	4.79	VS	5.89	VS	7.97	VS	8.58	VS	9.38	VS	10.35	VS	18.79	VS										
1531																										
1532																										
1533	18.77	S																								
1535																										
1536																										
1543																										
1544																										
1546																										
1547	3.74	S	4.79	VS	5.49	VS	6.99	S	9.39	VS	10.99	VS	12.94	VS	18.72	VS										
1548	12.23	VS	12.35	VS	12.60	VS	15.33	S	18.73	VS																
1549																										
1550																										
1720																										
1721																										
1722																										
1723																										
1724																										
1773	14.24	S	14.77	M	17.93	VS																				
1779																										
1788	18.06	VS	18.25	VS																						
1793	14.18	S	14.99	VS	17.99	S																				
1795	~18	VS																								
1801																										
1805																										
1896	14.08	S	18.02	VS																						
1897																										
1898																										
1899	18.11	VS																								
1900	5.46	VS	5.60	VS	7.83	VS	12.31	VS	~18	VS																
1901	9.36	S	~15	VS	17.93	VS																				
1902	13.99	VS	17.77	VS																						
1903																										
1906																										
1907																										
1908	9.11	VS	11.13	VS	13.93	S	~18	VS																		
1909																										
1911	5.73	VS	9.13	VS	14.57	VS	~18	VS																		
1913																										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
1914	0.8	0.0	0.0	≤1940	VS			1.68	VS	2.15	VS	2.66	VS	3.64	VS	4.74	VS	4.93	VS	5.72	VS	6.20	VS	9.20	VS
1916	0.0	35.2	0.0	1964		VS		1.67	VS	1.95	VS	2.23	VS	2.65	VS	3.01	VS	3.19	VS	3.64	VS	4.11	VS	5.70	S
1917	0.0	0.0	0.0	≤1940				1.68	VS	2.15	VS	2.65	VS	3.00	VS	3.64	VS	4.74	VS	5.45	VS	5.70	VS	6.25	VS
1918	3.8	0.0	0.0	≤1940	VS			1.66	VS	1.94	VS	2.12	VS	2.21	VS	2.68	VS	3.00	VS	3.62	VS	4.70	VS	5.63	VS
1920	3.1	2.3	0.0	1948	VS	VS		1.94	VS	2.12	VS	2.22	VS	2.70	VS	3.63	VS	5.64	VS	9.01	S	14.05	S	17.92	VS
1923	0.0	55.7	0.0	1968		VS		1.66	VS	2.11	VS	2.22	VS	2.71	VS	3.63	VS	4.14	VS	5.66	VS	9.00	VS	14.08	VS
1925	449.9	194.5	52.6	1982	L	S	VS	1.67	VS	2.12	VS	2.23	VS	2.72	VS	3.24	S	5.66	VS	9.38	M	14.06	S	17.90	VS
1927	0.4	0.0	0.0	≤1940	VS			1.65	VS	2.12	VS	2.71	VS	2.99	VS	4.77	VS	5.64	VS	9.00	M	~14	VS	~18	VS
1928	0.0	0.0	0.0	≤1940				1.65	VS	2.12	VS	2.24	VS	2.66	VS	2.99	VS	3.63	VS	4.69	VS	5.63	VS	5.92	VS
1929	11.6	20.8	0.0	1961	VS	VS	VS	1.65	VS	2.12	VS	2.22	VS	2.68	VS	3.03	VS	3.36	VS	3.75	S	4.62	VS	5.69	VS
1930	0.0	0.0	0.0	≤1940				1.65	VS	2.12	VS	2.25	VS	2.73	VS	3.03	VS	4.64	VS	5.65	VS	8.99	M	14.06	VS
1931	2.3	2.9	0.0	1949	VS	VS		1.65	VS	2.11	VS	2.71	VS	3.01	VS	3.65	VS	4.62	VS	5.63	VS	9.00	S	~14	VS
1932	0.0	0.0	0.0	≤1940				2.12	VS	2.72	VS	3.01	VS	4.14	VS	4.65	VS	5.63	VS	8.99	S	14.02	VS	~18	VS
1933	0.0	0.0	0.0	≤1940				1.66	VS	2.12	VS	2.22	VS	2.71	VS	3.01	VS	3.63	VS	4.72	VS	5.63	VS	9.34	VS
1935	2.4	2.1	0.0	1948	VS	VS		1.66	VS	2.11	VS	2.71	VS	5.67	VS	8.99	S	14.12	VS	17.82	VS				
1936	590.3	248.3	59.8	1988	L	S	VS	1.66	VS	1.78	VS	2.10	VS	2.23	VS	2.72	VS	3.24	S	4.61	VS	5.66	VS	6.13	VS
1937	0.0	0.0	0.0	≤1940				2.11	VS	2.71	VS	3.63	VS	4.62	VS	5.64	VS	8.99	S	~14	VS	~18	VS		
1938	0.8	0.0	0.0	≤1940	VS			1.66	VS	1.92	VS	2.10	VS	2.65	VS	2.75	VS	3.60	VS	4.70	VS	5.62	VS	8.98	L
1940	0.0	132.3	0.0	1976		S		1.66	VS	2.12	VS	2.23	VS	2.71	VS	3.76	VS	5.64	VS	8.98	VS	14.03	S	~18	VS
1941	335.8	176.7	37.6	1981	L	S	VS	1.66	VS	2.07	VS	5.66	VS	9.37	S	14.08	L	17.90	S						
1942	0.7	1.6	0.0	1947	VS	VS		1.65	VS	2.12	VS	2.71	VS	5.63	VS	9.36	S	13.94	VS	14.08	VS	17.91	S		
1943	>1206.1	631.4	146.1	C	L	M	S	1.66	VS	1.77	VS	1.96	VS	2.07	S	3.23	VS	5.69	S	8.07	VS	9.05	L	11.07	VS
1946	0.9	0.0	0.0	≤1940	VS			1.74	VS	2.24	VS	2.87	VS	3.89	VS	6.10	VS	9.71	S	15.05	S	19.14	VS		
1951	>1207.3	2231.1	231.8	C	L	L	S	1.67	VS	1.81	VS	2.14	VS	2.82	VS	3.06	VS	3.23	VS	3.78	VS	4.79	VS	5.78	S
1962	243.8	1219.3	551.2	C	L	L	M	2.15	VS	3.05	VS	3.30	VS	4.87	VS	5.76	VS	9.18	S	14.05	L	17.66	L		
1963	43.7	214.9	298.3	1984	S	S	S	2.15	VS	2.83	VS	3.04	VS	3.31	VS	4.82	VS	5.74	S	8.18	VS	9.17	S	14.06	M
1964	489.8	261.9	288.6	1988	L	S	S	1.66	VS	1.96	VS	2.14	S	2.82	VS	3.05	VS	3.26	VS	5.75	VS	9.20	L	14.07	L
1965	23.0	84.4	79.9	1971	S	VS	S	1.67	VS	2.15	VS	2.72	VS	2.83	VS	3.06	VS	3.81	VS	5.78	VS	6.05	VS	9.24	L
1966	>1022.9	319.2	129.8	1997	L	S	M	1.67	VS	1.97	VS	2.14	S	2.82	VS	3.07	VS	3.22	VS	5.72	S	9.18	M	14.12	L
1967	>2155.9	796.1	89.3	C	L	M	M	1.67	VS	1.98	VS	2.13	S	3.05	VS	4.84	VS	5.73	L	9.39	L	14.13	L	15.75	VS
1968	4.8	117.1	30.8	1974	VS	S	VS	1.67	VS	2.14	VS	2.24	VS	2.75	VS	2.81	VS	3.06	VS	3.81	VS	4.82	VS	5.50	VS
1969	520.1	305.7	119.5	1994	L	S	S	2.13	VS	2.83	VS	3.07	VS	3.32	VS	5.78	VS	9.24	S	9.82	VS	14.15	L	15.56	VS
1970	442.9	298.7	87.4	1993	L	S	S	1.66	VS	1.96	VS	2.13	S	3.06	VS	5.73	VS	9.29	S	14.19	L	15.89	VS	15.96	VS
1971	1.5	129.3	57.3	1975	VS	S	VS	1.68	VS	2.14	VS	2.83	VS	3.06	VS	4.90	VS	5.72	S	9.15	S	11.26	VS	14.64	L
1984	1.8	3.6	894.2	1949	VS	VS	L	1.68	VS	1.82	VS	2.15	VS	2.69	VS	3.05	VS	3.68	VS	4.83	VS	5.78	VS	9.37	VS
1985	8.9	22.3	402.7	1961	VS	VS	M	2.14	VS	2.80	VS	3.06	VS	4.89	VS	5.81	VS	9.16	L	14.10	S	17.88	VS		
1986	558.2	334.7	458.3	1999	L	S	M	1.67	VS	2.00	VS	2.14	S	2.83	VS	3.06	VS	3.82	VS	4.83	VS	5.50	VS	5.76	VS
1987	17.7	57.6	168.8	1968	S	VS	S	1.68	VS	2.15	VS	2.81	VS	3.06	VS	3.33	VS	4.83	VS	5.78	VS	9.17	L	14.06	L
1988	491.6	910.2	115.2	C	L	M	L	2.15	VS	3.05	VS	3.38	VS	4.82	VS	5.73	S	9.44	L	14.06	L	17.87	L	19.26	VS
1989	511.3	240.9	191.6	1986	L	S	S	1.67	VS	2.14	VS	2.70	VS	2.83	VS	3.05	VS	3.23	VS	4.80	VS	5.90	S	9.26	S
1990	166.3	127.2	136.9	1975	L	S	M	1.67	VS	1.97	VS	2.14	VS	2.68	VS	3.04	VS	3.32	VS	4.80	VS	5.73	L	6.93	VS
1991	267.0	131.4	151.5	1975	L	S	S	1.68	VS	2.14	VS	2.68	VS	3.05	VS	4.81	VS	5.79	VS	9.25	S	14.06	M	17.85	L
1992	263.6	>5436.5	191.0	C	L	L		1.67	VS	1.82	VS	1.98	VS	2.14	VS	2.25	VS	3.04	VS	3.30	L	3.81	VS	4.59	S
2026	664.1	367.0	123.4	1997	L	S	S	1.68	VS	1.82	VS	2.16	VS	3.28	VS	5.81	VS	9.36	M	14.04	S	17.82	M		
2046	685.4	338.8	152.7	1999	L	S	S	2.17	VS	2.31	VS	3.29	VS	5.76	VS	9.34	S	14.00	S	17.74	M				
2053	651.6	335.8	154.3	1997	L	S	S	1.69	VS	2.16	VS	2.30	VS	3.14	VS	3.30	VS	4.69	VS	4.85	VS	9.48	L	14.28	S
2061	369.9	158.4	66.3	1976	L	S	VS	1.68	VS	2.18	VS	2.30	VS	3.02	VS	3.28	VS	4.87	VS	5.84	VS	9.44	M	11.41	S
2066	704.3	339.0	161.7	1997	L	S	S	1.68	VS	2.16	VS	2.32	VS	3.12	VS	3.30	VS	5.84	VS	9.48	M	14.29	S	18.14	M
2069	665.4	332.0	139.1	1994	L	S	S	1.84	VS	2.16	VS	2.30	VS	2.89	VS	3.30	VS	3.69	VS	5.84	VS	9.47	M	14.26	L
2083	946.7	392.1	141.7	C	L	S	S	1.69	VS	1.82	VS	2.15	VS	2.27	VS	3.29	VS	9.38	L	10.00	VS	14.11	L	17.84	M
2089	725.3	346.4	659.4	1993	L	S	M	1.69	VS	2.15	VS	3.03	VS	3.26	VS	3.36	VS	5.82	VS	9.50	L	14.34	L	18.28	L
2094	547.3	263.9	103.4	1986	L	S	S	1.68	VS	2.16	VS	3.29	VS	5.84	VS	9.48	L	14.26	M	18.14	M	18.91	VS		
2098	704.0	362.6	159.8	1997	L	S	S	1.69	VS	2.16	VS	2.29	VS	2.85	VS	3.29	VS	5.74	VS	9.34	L	14.01	S	17.73	L
2101	276.2	153.7	84.5	1976	L	S	S	2.15	VS	3.28	VS	3.71	VS	5.84	VS	9.56	L	14.28	L	15.27	VS	18.15	L		

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
1914	~14	VS	17.69	VS																						
1916	8.10	VS	9.40	S	14.80	L	17.97	S																		
1917	9.07	VS	~14	VS	17.72	VS																				
1918	9.37	VS	~14	VS	~18	VS																				
1920																										
1923	17.95	VS																								
1925																										
1927																										
1928	9.33	VS	14.04	VS	~18	VS																				
1929	9.02	L	14.04	VS	~18	VS																				
1930	~18	VS																								
1931	~18	VS																								
1932																										
1933	14.01	S	~18	VS																						
1935																										
1936	9.36	L	11.05	VS	14.54	S	17.85	S																		
1937																										
1938	~14	VS	17.83	VS																						
1940																										
1941																										
1942																										
1943	14.75	L	17.79	L																						
1946																										
1951	9.34	L	11.27	S	14.09	L	14.60	L	16.00	S	17.64	L														
1962																										
1963	17.87	L																								
1964	17.88	L																								
1965	14.06	M	14.67	VS	17.40	VS	17.83	S	18.39	VS																
1966	17.42	L																								
1967	17.72	L																								
1968	5.78	VS	9.16	L	14.12	L	14.64	L	17.91	L	19.14	VS	19.20	VS												
1969	15.61	VS	17.99	L	19.42	VS	19.49	VS																		
1970	16.08	VS	16.31	VS	17.50	L																				
1971	17.88	L																								
1984	14.11	VS	15.44	VS	17.85	S																				
1985																										
1986	8.02	VS	9.30	M	10.16	VS	12.46	S	14.04	L	17.98	L														
1987	17.84	S																								
1988																										
1989	14.05	L	17.80	S																						
1990	9.31	S	14.64	L	17.86	L																				
1991																										
1992	4.83	S	6.09	L	7.48	VS	8.05	VS	8.11	VS	8.33	VS	9.25	L	11.03	L	11.85	VS	12.47	S	14.76	L	15.97	L	17.99	L
2026																										
2046																										
2053	18.16	M																								
2061	14.29	L	18.16	L																						
2066																										
2069	18.14	L																								
2083																										
2089																										
2094																										
2098																										
2101																										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
2113	179.2	102.5	38.9	1972	L	VS	VS	1.69	VS	2.15	VS	4.78	VS	5.78	VS	6.26	VS	6.54	VS	9.37	S	14.08	L	17.84	L
2139	767.4	392.3	167.7	C	L	S	S	2.15	VS	3.29	VS	9.38	M	14.06	L	17.86	M								
2148	459.3	203.9	73.1	1980	L	S	VS	1.68	VS	2.15	VS	3.27	VS	5.74	VS	9.33	M	13.98	M	17.72	L				
2151	558.1	294.3	151.0	1980	L	S	S	2.17	VS	2.33	VS	3.22	VS	3.30	VS	3.75	VS	5.84	VS	9.46	M	14.27	S	18.17	M
2156	658.9	345.1	137.2	1993	L	S	S	1.69	VS	2.16	VS	2.30	VS	3.30	VS	5.82	VS	9.49	M	11.42	VS	14.10	L	18.20	L
2157	158.9	96.4	37.9	1981	L	VS	VS	1.69	VS	2.15	VS	5.78	VS	9.37	S	14.06	L	17.82	L						
2177	678.9	317.2	146.0	1999	L	S	S	1.69	VS	2.16	VS	2.30	VS	3.28	VS	5.73	VS	9.34	L	14.00	L	17.76	L		
2183	93.4	45.5	26.1	1966	M	VS	VS	1.67	VS	2.15	VS	3.08	VS	5.78	VS	9.45	L	14.21	L	18.04	L				
2184	>7025.6	>3509.3	292.7	C	L	L	S	1.67	VS	1.80	VS	2.14	S	3.26	VS	5.76	S	9.42	L	14.22	L	14.71	L	17.60	L
2186	96.8	71.4	46.4	1969	M	VS	VS	1.67	VS	2.15	VS	2.72	VS	4.84	VS	5.79	VS	9.42	L	14.20	L	18.03	L		
2195	17.7	201.8	21.2	1983	VS	S	VS	1.68	VS	2.14	VS	3.22	VS	4.86	VS	5.82	VS	9.21	VS	14.24	S	14.74	S	18.02	M
2200	>1166.4	448.1	207.4	C	L	S	S	1.69	VS	2.04	VS	2.15	VS	3.26	VS	5.81	VS	9.52	L	14.34	L	18.27	L		
2201	603.0	490.2	151.5	C	L	S	S	1.71	VS	2.19	VS	2.33	VS	3.32	VS	6.04	VS	9.28	L	14.20	S	17.97	S		
2202	17.8	4.2	2.0	1950	VS	VS	VS	1.71	VS	2.03	VS	2.21	VS	2.32	VS	2.96	VS	3.30	VS	3.76	S	4.89	VS	5.79	VS
2203	343.7	224.5	47.2	1987	L	S	VS	2.17	VS	3.30	VS	9.14	L	13.92	L	17.57	S								
2204	3.9	9.7	0.0	1955	VS	VS		1.85	VS	2.04	VS	2.22	VS	2.32	VS	2.73	VS	3.76	VS	4.92	VS	~9	VS	14.21	VS
2205	7.6	20.7	3.2	1960	VS	VS	VS	1.71	VS	1.86	VS	2.03	VS	2.32	VS	2.75	VS	3.27	VS	4.88	VS	9.27	VS	~14	VS
2206	16.8	45.2	4.0	1966	VS	VS	VS	2.20	VS	2.32	VS	2.77	VS	3.75	VS	4.85	VS	9.24	VS	14.19	S	~18	VS		
2207	4.7	0.0	0.0	≤1940	VS			1.86	VS	2.04	VS	2.20	VS	2.30	VS	2.83	VS	3.74	VS	4.85	VS	5.81	VS	9.18	S
2208	257.7	174.1	26.1	1981	L	VS	VS	1.70	VS	2.19	VS	3.34	VS	9.20	S	14.09	S	17.88	S						
2209	44.6	13.3	0.0	1958	S	VS		2.04	VS	2.32	VS	2.76	VS	3.49	VS	3.77	VS	5.90	VS	9.16	VS	~14	VS	17.84	VS
2210	0.3	3.3	0.0	1949	VS	VS		1.72	VS	1.86	VS	2.04	VS	2.19	VS	2.33	VS	2.76	VS	3.72	VS	3.84	VS	4.86	VS
2211	3.6	9.5	0.0	1955	VS	VS		1.70	VS	1.85	VS	2.02	VS	2.31	VS	2.75	VS	4.87	VS	5.79	VS	14.61	VS	~18	VS
2212	21.4	>2969.7	7.3	C	VS	L	VS	1.73	VS	1.87	VS	2.03	VS	2.20	VS	2.30	VS	3.74	VS	4.86	VS	5.85	VS	9.17	S
2213	7.8	4.2	0.0	1950	VS	VS		1.69	VS	2.21	VS	2.31	VS	2.83	VS	3.75	VS	4.85	VS	5.80	VS	9.31	VS	11.29	VS
2214	571.1	475.6	14.0	C	L	S	S	2.18	VS	3.35	VS	5.80	S	9.23	S	14.20	L	17.79	L	18.32	L				
2215	594.2	274.5	32.0	1986	L	S	S	2.19	VS	3.33	VS	3.75	VS	5.82	M	9.27	L	~14	L	18.04	L				
2216	55.7	131.4	11.9	1974	S	VS	VS	2.20	VS	3.32	VS	9.26	S	14.20	S	17.98	S								
2217	379.3	99.1	8.0	1973	L	VS	VS	1.70	VS	2.20	VS	3.32	VS	3.75	VS	5.81	VS	9.27	M	14.21	L	17.99	M		
2218	4.7	399.6	0.0	C	VS	S		2.19	VS	3.28	VS	3.88	VS	5.87	S	9.25	S	14.75	M	17.99	L				
2219	32.8	70.4	11.9	1968	S	VS	VS	2.19	VS	3.32	VS	4.88	VS	9.24	M	14.16	L	~18	VS						
2220	8.7	22.0	1.4	1960	VS	VS	VS	2.22	VS	3.29	VS	3.75	VS	4.87	VS	9.23	VS	14.19	L						
2221	8.2	8.1	0.0	1952	VS	VS		1.87	VS	2.04	VS	2.32	VS	3.75	VS	4.90	VS	9.19	VS	~14	VS	17.90	M		
2222	78.2	60.1	14.1	1969	S	VS	VS	2.21	VS	2.32	VS	2.75	VS	2.87	VS	3.33	VS	3.88	VS	9.25	S	14.18	S	~18	VS
2223	14.3	9.3	18.0	1953	VS	VS	VS	2.20	VS	3.72	VS	4.85	VS	9.12	S	~14	VS	~18	VS						
2224	22.3	69.5	1.7	1969	VS	VS	VS	1.69	VS	2.19	VS	4.82	VS	9.12	VS	13.95	VS	~18	VS						
2225	603.5	391.6	79.6	2000	L	S	VS	2.18	VS	3.31	VS	9.26	S	13.91	S	17.64	L								
2226	81.6	141.6	39.6	1975	S	VS	VS	1.70	VS	2.19	VS	3.31	VS	3.71	VS	9.10	M	~14	VS	17.82	L				
2227	1.9	5.9	0.0	1952	VS	VS		2.18	VS	2.30	VS	3.71	VS	4.79	VS	9.10	VS	~18	VS						
2228	498.8	251.7	60.4	1989	L	S	VS	2.17	VS	3.30	VS	3.71	VS	4.82	VS	9.26	S	13.91	L	17.56	S				
2229	169.4	91.5	18.3	1972	M	VS	VS	2.20	VS	3.33	VS	4.86	VS	9.42	S	14.13	S	17.95	S						
2230	300.3	193.2	45.3	1982	L	VS	VS	2.19	VS	3.26	VS	4.78	VS	5.80	VS	9.24	VS	14.08	S	17.85	L				
2231	149.2	60.4	11.4	1968	M	VS	VS	2.17	VS	2.72	VS	2.96	VS	3.03	VS	3.23	VS	4.77	VS	5.44	VS	5.70	VS	9.02	VS
2232	935.1	39.4	15.2	1965	L	VS	VS	2.18	VS	3.02	VS	4.76	VS	5.68	VS	9.04	VS	13.73	S						
2233	64.6	30.6	19.4	1963	S	VS	VS	1.70	VS	2.18	VS	4.78	VS	5.68	VS	9.03	S	13.77	L	17.43	VS				
2234	555.8	1385.9	66.3	C	L	M	S	2.17	VS	3.27	VS	4.76	VS	9.24	M	13.81	L	17.46	M						
2235	53.7	64.5	10.9	1968	S	VS	VS	2.18	VS	3.71	VS	4.79	VS	~9	VS	~14	VS	~18	VS						
2236	586.1	1825.6	43.3	C	L	M	VS	2.17	VS	3.30	VS	~9	L	14.34	M	17.47	L								
2237	270.0	113.8	80.4	1972	L	VS	VS	2.18	VS	2.92	VS	3.71	VS	4.80	VS	5.71	VS	9.27	S	13.92	L	17.62	L		
2238	214.6	103.3	43.2	1972	M	VS	VS	2.18	VS	3.30	VS	3.72	VS	5.72	VS	9.27	L	13.95	L	17.61	S				
2239	654.9	301.6	433.2	1990	L	S	L	1.69	VS	2.17	VS	3.30	VS	3.73	VS	4.76	VS	5.73	M	9.33	S	14.49	L	17.66	L
2254	614.5	643.1	83.0	C	L	S	VS	2.18	VS	3.31	S	3.76	VS	9.29	S	14.28	L	15.94	VS	18.02	L				
2255	684.0	812.3	75.9	C	L	S	S	1.71	VS	2.19	S	3.39	VS	4.90	VS	5.84	VS	9.30	L	14.19	L	14.50	L	18.06	L
2256	355.3	200.8	22.7	1983	L	S	VS	2.18	S	3.31	VS	3.77	VS	9.31	S	14.23	L	17.92	L	18.34	L				

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
2113																										
2139																										
2148																										
2151																										
2156																										
2157																										
2177																										
2183																										
2184																										
2186																										
2195																										
2200																										
2201																										
2202	9.27	VS	14.21	S	17.96	VS	18.25	VS	18.44	VS																
2203																										
2204	~18	VS																								
2205	~18	VS																								
2206																										
2207	11 26	VS	14.06	L	17.83	S																				
2208																										
2209																										
2210	5.79	VS	~14	VS	~18	VS																				
2211																										
2212	~14	VS	~18	VS																						
2213	14.07	M	~18	VS																						
2214																										
2215																										
2216																										
2217																										
2218																										
2219																										
2220																										
2221																										
2222																										
2223																										
2224																										
2225																										
2226																										
2227																										
2228																										
2229																										
2230																										
2231	13 71	VS	17.38	VS	19.86	VS																				
2232																										
2233																										
2234																										
2235																										
2236																										
2237																										
2238																										
2239	19.19	VS																								
2254																										
2255	19.34	VS																								
2256																										

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)	CFC-12 Recharge Year	CFC-11 Peak Area	CFC-12 Peak Area	CFC-113 Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
2257	>2807.5	336.6	50.8	2000	L	S	VS	1.86	VS	2.18	VS	3.34	VS	9.43	S	14.28	L	18.03	L						
2258	>8572.8	>3784.6	81.0	C	L	L	S	3.30	S	9.27	S	14.25	L	18.00	L	22.19	VS								
2416	232.8	>76788.7	41.6	C	L	L	VS	1.69	VS	1.78	VS	2.09	VS	3.29	S	3.70	VS	4.85	VS	5.89	VS	9.72	M	14.84	L
2417	532.0	375.8	89.5	1999	L	S	S	1.70	VS	1.77	VS	2.02	VS	2.09	S	3.03	VS	3.28	VS	3.55	VS	3.73	VS	4.86	L
2577	51.1	60.8	8.4	1968	S	VS	VS	1.68	VS	2.09	VS	3.67	VS	4.76	VS	5.75	VS	9.37	L	14.04	L				
2580	102.9	150.9	29.3	1977	M	S	VS	1.69	VS	2.11	VS	3.27	VS	3.67	VS	4.75	VS	5.73	VS	7.57	VS	8.12	VS	9.21	L
2581	11.6	7.9	NA	1954	VS	VS		1.72	VS	1.86	VS	1.97	VS	2.16	VS	2.29	VS	2.72	L	3.21	VS	3.38	VS	3.74	S
2582	188.1	290.4	17.9	1992	L	S	VS	1.69	VS	1.95	VS	2.10	VS	5.73	S	9.18	VS	14.00	S	14.64	VS	17.73	S		
2585	17.3	204.0	0.0	1982	VS	S		1.69	VS	2.25	VS	2.76	VS	3.23	VS	5.79	VS	9.14	L	14.02	VS				
2588	2.3	3.8	0.0	1949	VS	VS		1.69	VS	2.25	VS	2.69	VS	3.19	VS	3.67	VS	4.77	VS	9.15	VS	~14	VS		
2589	12.2	184.0	4.0	1982	VS	S	VS	1.69	VS	2.09	VS	3.23	VS	5.79	VS	9.14	M	14.63	S	17.79	S				
2590	367.7	311.0	37.1	1995	L	S	VS	1.69	VS	1.99	VS	2.11	S	3.27	VS	3.67	VS	4.77	VS	5.76	VS	9.39	M	14.02	S
2591	34.4	103.0	18.4	1972	S	VS	VS	1.72	VS	1.82	VS	2.00	VS	2.27	VS	2.73	VS	2.88	VS	3.32	VS	3.73	VS	4.83	VS
2593	>2200.5	334.1	39.9	1999	L	S	VS	1.68	VS	2.10	S	3.23	VS	3.67	VS	5.74	S	9.17	M	11.23	VS	14.07	L	14.59	L
2596	549.7	262.2	71.4	1991	L	S	VS	1.70	VS	2.10	VS	3.27	VS	5.77	VS	9.37	S	14.03	S						
2598	887.7	220.1	53.1	1985	L	S	VS	2.11	VS	3.26	VS	5.77	VS	9.24	S	~14	VS	17.83	VS						
2601	>3510.1	1196.5	46.0	C	L	M	VS	1.69	VS	1.80	VS	2.11	VS	3.27	VS	9.19	S	~11	VS	~14	VS	~18	VS		
2604	1.2	1.8	4.3	1947	VS	VS	VS	1.71	VS	1.82	VS	1.97	VS	2.17	VS	2.25	VS	2.67	VS	3.20	VS	3.51	VS	3.66	VS
2605	374.2	773.4	41.9	C	L	M	VS	1.68	VS	2.11	VS	3.25	VS	4.75	VS	5.74	VS	9.23	S	14.05	S	~18	VS		
2607	339.8	201.6	47.5	1982	L	S	VS	1.70	VS	2.11	VS	2.25	VS	3.27	VS	3.69	VS	5.76	VS	9.17	M	~18	VS		
2608	304.2	197.0	37.3	1983	L	S	VS	1.69	VS	2.11	VS	2.25	VS	2.71	VS	3.67	VS	5.75	VS	9.15	S	11.19	VS	14.05	S
2609	>8252.8	235.5	47.3	1986	L	S	VS	2.11	VS	3.24	VS	3.67	VS	5.72	VS	9.27	S	14.02	S						
2611	0.0	2.5	0.0	1948		VS		1.70	VS	1.83	VS	1.97	VS	2.25	VS	2.68	VS	3.16	VS	3.54	VS	3.66	VS	4.74	VS
2612	402.5	322.0	45.1	1999	L	S	VS	1.69	VS	1.99	VS	2.11	S	3.27	VS	3.67	S	4.75	VS	5.72	S	7.47	VS	9.44	L
2614	13.9	>71076.2	NA	C	VS	L		1.70	VS	2.25	VS	3.48	VS	3.74	VS	4.75	VS	5.79	VS	11.21	S	14.03	M	18.30	VS
2620	>2402.7	>22115.4	369.3	C	L	L	S	1.69	VS	1.85	VS	2.13	VS	3.24	VS	5.94	L	9.16	L	14.59	VS	~18	VS		
2621	0.7	>45188.7	0.0	C	VS	L		1.70	VS	2.25	VS	3.26	VS	3.67	VS	4.76	VS	5.75	VS	9.24	VS	14.01	VS		
2664	41.8	12.6	NA	1957	VS	VS		1.83	VS	1.98	VS	2.26	VS	2.79	S	3.35	VS	3.71	VS	3.95	VS	4.63	VS	5.26	VS
2665	7.2	9.3	0.0	1954	VS	VS		1.83	VS	1.98	VS	2.15	VS	2.74	VS	3.04	VS	3.70	VS	4.65	VS	5.49	VS	6.64	VS
2666	621.2	280.2	126.5	1993	L	S	L	2.14	VS	3.72	VS	5.50	S	8.69	L	13.16	L	16.65	L						
2667	5.2	1.3	0.0	1946	VS	VS		1.83	VS	1.99	VS	2.15	VS	2.25	VS	2.74	VS	3.03	VS	3.36	VS	3.73	VS	5.23	VS
2668	223.4	171.9	78.6	1980	M	VS	VS	2.14	VS	2.75	VS	3.20	VS	3.73	VS	4.63	VS	5.53	VS	8.67	L	13.14	L	16.60	S
2669	0.4	15.7	0.0	1959	VS	VS		2.32	VS	2.75	VS	3.18	VS	3.85	VS	5.80	VS	11.30	VS	14.09	VS	17.86	VS		
2670	30.3	45.7	2.1	1967	M	VS	VS	1.69	VS	2.15	VS	2.24	VS	2.69	VS	2.78	VS	3.00	VS	3.69	VS	4.63	VS	5.53	VS
2671	92.2	17.8	0.0	1960	S	VS		1.70	VS	1.84	VS	2.00	VS	2.21	VS	2.32	VS	2.60	VS	3.78	VS	4.86	VS	5.82	VS
2672	46.0	38.0	9.6	1964	S	VS	VS	2.16	VS	2.72	VS	3.21	VS	4.62	VS	8.68	S	~13	VS	16.58	VS				

Table 3. CFC and VOC data for all sites included in this report (continued)

Counter	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area	Elution Time (min.)	Peak Area
2257																										
2258																										
2416	15.98	VS	18.89	S																						
2417	5.43	VS	5.87	VS	9.80	L	14.84	L	18.97	S																
2577																										
2580	13.97	VS	18.19	VS																						
2581	4.82	S	5.60	VS	5.86	VS	7.63	VS	8.01	M	8.54	S	9.42	S	9.89	VS	10.35	S								
2582																										
2585																										
2588																										
2589																										
2590																										
2591	5.89	VS	9.61	S	11.56	VS	14.53	S																		
2593	17.85	L																								
2596																										
2598																										
2601																										
2604	4.74	VS	9.17	VS	9.21	L																				
2605																										
2607																										
2608	17.83	VS																								
2609																										
2611	5.73	VS	9.11	VS	~11	VS																				
2612	11.05	VS	11.19	VS	14.13	L	17.80	S	18.19	VS																
2614																										
2620																										
2621																										
2664	5.58	VS	5.70	VS	5.96	VS	8.68	L	11.09	VS	16.58	S														
2665	~16.5	VS																								
2666																										
2667	5.49	VS	8.62	VS	10.27	S	~13	VS	~16.5	VS																
2668																										
2669																										
2670	~9	VS	13.15	VS	16.57	S																				
2671	9.19	M	14.07	S	~18	VS																				
2672																										

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