

**REPORT ON
ANNUAL GROUNDWATER MONITORING, 2006
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA**

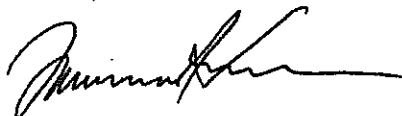
VOLUME II OF II

for

**The Boeing Company,
National Aeronautics and Space Administration (NASA),
and
U.S. Department of Energy (DOE)
Canoga Park, California**

by

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Tucson, Arizona**



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APPENDIX A

Water Level Hydrographs

**APPENDIX A
WATER LEVEL HYDROGRAPHS**

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FLUTe System Hydrographs A-257 through A-274

LIST OF HYDROGRAPHS

Shallow Wells

Figure		Well Identifier
A-1	through A-11	SH-01 through SH-11
A-12	through A-36	RS-01 through RS-25
A-37	through A-43	RS-27 through RS-32, and RS-54
A-44	through A-75	ES-01 through ES-32
A-76	through A-79	HAR-02 through HAR-04, and HAR-09
A-80	through A-84	HAR-11 through HAR-15
A-85	through A-92	HAR-27 through HAR-34

Chatsworth Formation Wells

Figure		Well Identifier
A-93	through A-96	RD-01 through RD-04
A-97	through A-99	RD-05A, RD-05B, RD-05C
A-100	through A-126	RD-06 through RD-32
A-127	through A-129	RD-33A, RD-33B, RD-33C
A-130	through A-132	RD-34A, RD-34B, RD-34C
A-133	through A-134	RD-35A, RD-35B
A-135	through A-139	RD-36A, RD-36B, RD-36C, RD-36D, and RD-37
A-140	through A-141	RD-38A, RD-38B
A-142	through A-144	RD-39A, RD-39B, and RD-40
A-145	through A-148	RD-41A, RD-41B, RD-41C, and RD-42
A-149	through A-152	RD-43A, RD-43B, RD-43C, and RD-44
A-153	through A-155	RD-45A, RD-45B, RD-45C
A-156	through A-158	RD-46A, RD-46B, and RD-47
A-159	through A-161	RD-48A, RD-48B, RD-48C
A-162	through A-165	RD-49A, RD-49B, RD-49C, and RD-50
A-166	through A-168	RD-51A, RD-51B, RD-51C
A-169	through A-172	RD-52A, RD-52B, RD-52C, and RD-53
A-173	through A-175	RD-54A, RD-54B, RD-54C
A-176	through A-177	RD-55A, RD-55B
A-178	through A-180	RD-56A, RD-56B, and RD-57
A-181	through A-183	RD-58A, RD-58B, RD-58C
A-184	through A-186	RD-59A, RD-59B, RD-59C
A-187	through A-194	RD-60 through RD-67
A-195	through A-196	RD-68A, RD-68B
A-197	through A-206	RD-69 through RD-78
A-207	through A-224	RD-80 through RD-97

LIST OF HYDROGRAPHS

Chatsworth Formation Wells - continued

Figure	Well Identifier
A-225 through A-229	HAR-01, and HAR-05 through HAR-08
A-230 through A-240	HAR-16 through HAR-26
A-241 through A-245	WS-04A through WS-08
A-246 through A-248	WS-09, WS-09A, WS-09B
A-249 through A-253	WS-11 through WS-14, and WS-SP
A-254 through A-256	OS-24 through OS-26

FLUTe System Hydrographs

Figure	Well Identifier
A-257	RD-10
A-258	RD-21
A-259	RD-22
A-260	RD-23
A-261	RD-31
A-262	RD-33A
A-263	RD-50
A-264	RD-53
A-265	RD-54A
A-266	RD-57
A-267	RD-64
A-268	RD-65
A-269	RD-72
A-270	RD-73
A-271	HAR-01
A-272	HAR-16
A-273	HAR-24
A-274	OS-24

Note: FLUTe system hydrographs were not available for well RD-07 because the transducer was inoperable.

Water levels for the following types of ports are not graphed on FLUTe hydrographs:

- 1. A port that has been consistently dry.**
- 2. An unverted port.**
- 3. A port with a consistently malfunctioning transducer.**

TABLE A-I
CONSTRUCTION DETAILS OF DISCRETE-INTERVAL MONITORING SYSTEMS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well	RD-07		RD-10		RD-21		RD-22	
Date Liner Installed	04/29/02		03/18/02		01/14/03		02/18/03	
Date Liner Removed	NA		07/23/04		NA		NA	
Top of Casing Elevation (ft msl)	1812.82		1904.43		1866.96		1853.41	
Open-hole Depth to Water (ft btc)	87.03		195		90.3		305	
Hole Total Depth (ft btc)	299.55		401		175.3		440	
	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)
Port 1	50 - 60	1757.82	171 - 181	1728.43	85-95	1776.96	310-320	1538.41
Port 2	70 - 80	1737.82	191 - 201	1708.43	105-115	1756.96	330-340	1518.41
Port 3	90 - 100	1717.82	211 - 221	1688.43	125-135	1736.96	350-360	1498.41
Port 4	110 - 120	1697.82	231 - 241	1668.43	145-155	1716.96	370-380	1478.41
Port 5	130 - 140	1677.82	251 - 261	1648.43	165-175	1696.96	390-400	1458.41
Port 6	150 - 160	1657.82	271 - 281	1628.43	--	--	410-420	1438.41
Port 7	170 - 180	1637.82	291 - 301	1608.43	--	--	430-440	1418.41
Port 8	190 - 200	1617.82	311 - 321	1588.43	--	--	--	--
Port 9	210 - 220	1597.82	331 - 341	1568.43	--	--	--	--
Port 10	230 - 240	1577.82	351 - 361	1548.43	--	--	--	--
Port 11	250 - 260	1557.82	371 - 381	1528.43	--	--	--	--
Port 12	270 - 280	1537.82	391 - 401	1508.43	--	--	--	--
Port 13	290 - 299.55	1517.82	--	--	--	--	--	--
Port 14	--	--	--	--	--	--	--	--
Port 15	--	--	--	--	--	--	--	--

See last page of Table A-I for notes and abbreviations.

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TABLE A-I
CONSTRUCTION DETAILS OF DISCRETE-INTERVAL MONITORING SYSTEMS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well	RD-23		RD-31		RD-33A		RD-50	
Date Liner Installed	01/20/03		01/25/01		01/09/03		01/15/03	
Date Liner Removed	NA		07/28/04		NA		NA	
Top of Casing Elevation (ft msl)	1838.19		1945.02		1792.97		1914.88	
Open-hole Depth to Water (ft btc)	236.15		116.32		211.58		113.31	
Hole Total Depth (ft btc)	443.2		178.5		321.75		195.3	
	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)
Port 1	231-241	1602.19	48 - 58	1892.02	211 - 221	1576.97	106-116	1803.88
Port 2	251-261	1582.19	68 - 78	1872.02	231 - 241	1556.97	126-136	1783.88
Port 3	271-281	1562.19	88 - 98	1852.02	251 - 261	1536.97	146-156	1763.88
Port 4	291-301	1542.19	108 - 118	1832.02	271 - 281	1516.97	166-176	1743.88
Port 5	311-321	1522.19	128 - 138	1812.02	291 - 301	1496.97	186-195.3	1723.88
Port 6	331-341	1502.19	148 - 158	1792.02	311 - 321	1476.97	--	--
Port 7	351-361	1482.19	168 - 178	1772.02	--	--	--	--
Port 8	371-381	1462.19	--	--	--	--	--	--
Port 9	391-396.5	1444.69	--	--	--	--	--	--
Port 10	--	--	--	--	--	--	--	--
Port 11	--	--	--	--	--	--	--	--
Port 12	--	--	--	--	--	--	--	--
Port 13	--	--	--	--	--	--	--	--
Port 14	--	--	--	--	--	--	--	--
Port 15	--	--	--	--	--	--	--	--

See last page of Table A-I for notes and abbreviations.

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TABLE A-I
CONSTRUCTION DETAILS OF DISCRETE-INTERVAL MONITORING SYSTEMS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well	RD-53		RD-54A		RD-57		RD-64	
Date Liner Installed	01/23/01		01/07/03		09/11/02		04/17/02	
Date Liner Removed	07/30/04		NA		NA		NA	
Top of Casing Elevation (ft msl)	1909.19		1841.72		1774.15		1857.04	
Open-hole Depth to Water (ft btc)	128.5		160.2		352.5		231.82	
Hole Total Depth (ft btc)	161		283.8		418.3		403.0	
	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)
Port 1	74 - 79	1832.69	150.5 - 160.5	1686.22	228 - 238	1541.15	170.5 - 180.5	1681.54
Port 2	84 - 89	1822.69	170.5 - 180.5	1666.22	248 - 258	1521.15	190.5 - 200.5	1661.54
Port 3	94 - 99	1812.69	190.5 - 200.5	1646.22	268 - 278	1501.15	210.5 - 220.5	1641.54
Port 4	104 - 109	1802.69	210.5 - 220.5	1626.22	288 - 298	1481.15	230.5 - 240.5	1621.54
Port 5	114 - 119	1792.69	230.5 - 240.5	1606.22	308 - 318	1461.15	250.5 - 260.5	1601.54
Port 6	124 - 129	1782.69	250.5 - 260.5	1586.22	328 - 338	1441.15	270.5 - 280.5	1581.54
Port 7	134 - 139	1772.69	270.5 - 280.5	1566.22	348 - 358	1421.15	290.5 - 300.5	1561.54
Port 8	144 - 149	1762.69	--	--	368 - 378	1401.15	310.5 - 320.5	1541.54
Port 9	154 - 159	1752.69	--	--	388 - 398	1381.15	330.5 - 340.5	1521.54
Port 10	--	--	--	--	408 - 418	1361.15	350.5 - 360.5	1501.54
Port 11	--	--	--	--	--	--	370.5 - 380.5	1481.54
Port 12	--	--	--	--	--	--	390.5 - 400.5	1461.54
Port 13	--	--	--	--	--	--	--	--
Port 14	--	--	--	--	--	--	--	--
Port 15	--	--	--	--	--	--	--	--

See last page of Table A-I for notes and abbreviations.

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TABLE A-I
CONSTRUCTION DETAILS OF DISCRETE-INTERVAL MONITORING SYSTEMS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well	RD-65		RD-72		RD-73		HAR-01	
Date Liner Installed	10/29/02		04/02/01		02/02/01		03/08/01	
Date Liner Removed	NA		NA		07/28/04		07/26/04	
Top of Casing Elevation (ft msl)	1819.14		1907.25		1901.60		1874.13	
Open-hole Depth to Water (ft btc)	227		78.82		70.08		48.31	
Hole Total Depth (ft btc)	397		184		140		108	
	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)
Port 1	165 - 167	1645.64	45 - 55	1857.25	27 - 32	1872.1	13 - 18	1858.63
Port 2	187 - 197	1625.64	65 - 75	1837.25	37 - 42	1862.1	23 - 28	1848.63
Port 3	207 - 217	1605.64	85 - 95	1817.25	47 - 52	1852.1	33 - 38	1838.63
Port 4	224 - 237	1585.64	105 - 115	1797.25	57 - 62	1842.1	43 - 48	1828.63
Port 5	247 - 257	1565.64	125 - 135	1777.25	67 - 72	1832.1	53 - 58	1818.63
Port 6	267 - 277	1545.64	145 - 155	1757.25	77 - 82	1822.1	63 - 68	1808.63
Port 7	287 - 299	1525.64	165 - 175	1737.25	87 - 92	1812.1	73 - 78	1798.63
Port 8	307 - 317	1505.64	185 - 195	1717.25	97 - 102	1802.1	83 - 88	1788.63
Port 9	327 - 337	1485.64	--	--	107 - 112	1792.1	93 - 98	1778.63
Port 10	347 - 357	1465.64	--	--	117 - 122	1782.1	103 - 108	1768.63
Port 11	367 - 377	1445.64	--	--	127 - 132	1772.1	--	--
Port 12	387 - 397	1425.64	--	--	137 - 140	1762.1	--	--
Port 13	--	--	--	--	--	--	--	--
Port 14	--	--	--	--	--	--	--	--
Port 15	--	--	--	--	--	--	--	--

See last page of Table A-I for notes and abbreviations.

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TABLE A-I
CONSTRUCTION DETAILS OF DISCRETE-INTERVAL MONITORING SYSTEMS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well	HAR-16		HAR-24		OS-24	
Date Liner Installed	06/19/01		04/06/01		07/09/01	
Date Liner Removed	07/26/04		07/26/04		Partially Removed	
Top of Casing Elevation (ft msl)	1872.31		1906.89		1947.30	
Open-hole Depth to Water (ft btc)	Unknown		75.3		285	
Hole Total Depth (ft btc)	114		112.5		513	
	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)	Depth of Open Interval (ft btc)	Midpoint Monitoring Elevation (ft msl)
Port 1	0 - 4	1870.31	37 - 42	1867.39	223 - 233	1719.3
Port 2	9 - 14	1860.81	47 - 52	1857.39	243 - 253	1699.3
Port 3	19 - 24	1850.81	57 - 62	1847.39	263 - 273	1679.3
Port 4	29 - 34	1840.81	67 - 72	1837.39	283 - 293	1659.3
Port 5	39 - 44	1830.81	77 - 82	1827.39	303 - 313	1639.3
Port 6	49 - 54	1820.81	87 - 92	1817.39	323 - 333	1619.3
Port 7	59 - 64	1810.81	97 - 102	1807.39	343 - 353	1599.3
Port 8	69 - 74	1800.81	107 - 112	1797.39	363 - 373	1579.3
Port 9	79 - 84	1790.81	--	--	383 - 393	1559.3
Port 10	89 - 94	1780.81	--	--	403 - 413	1539.3
Port 11	99 - 104	1770.81	--	--	423 - 433	1519.3
Port 12	109 - 114	1760.81	--	--	443 - 453	1499.3
Port 13	--	--	--	--	463 - 473	1479.3
Port 14	--	--	--	--	483 - 493	1459.3
Port 15	--	--	--	--	503 - 513	1439.3

See last page of Table A-I for notes and abbreviations.

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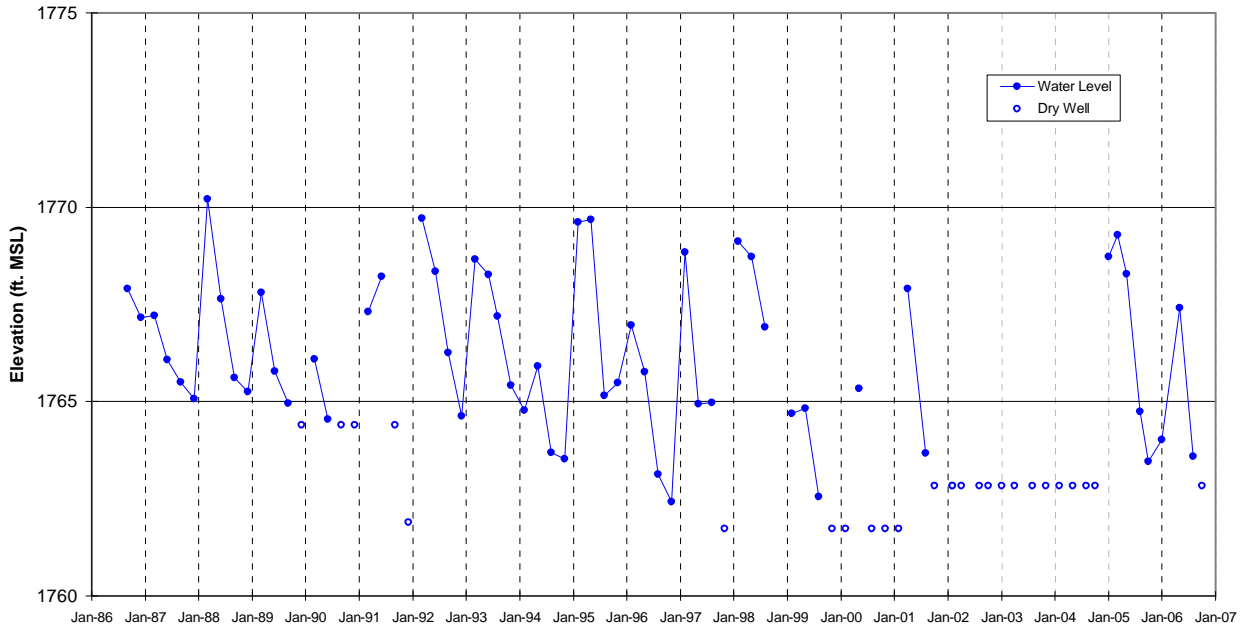
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TABLE A-I
NOTES AND ABBREVIATIONS

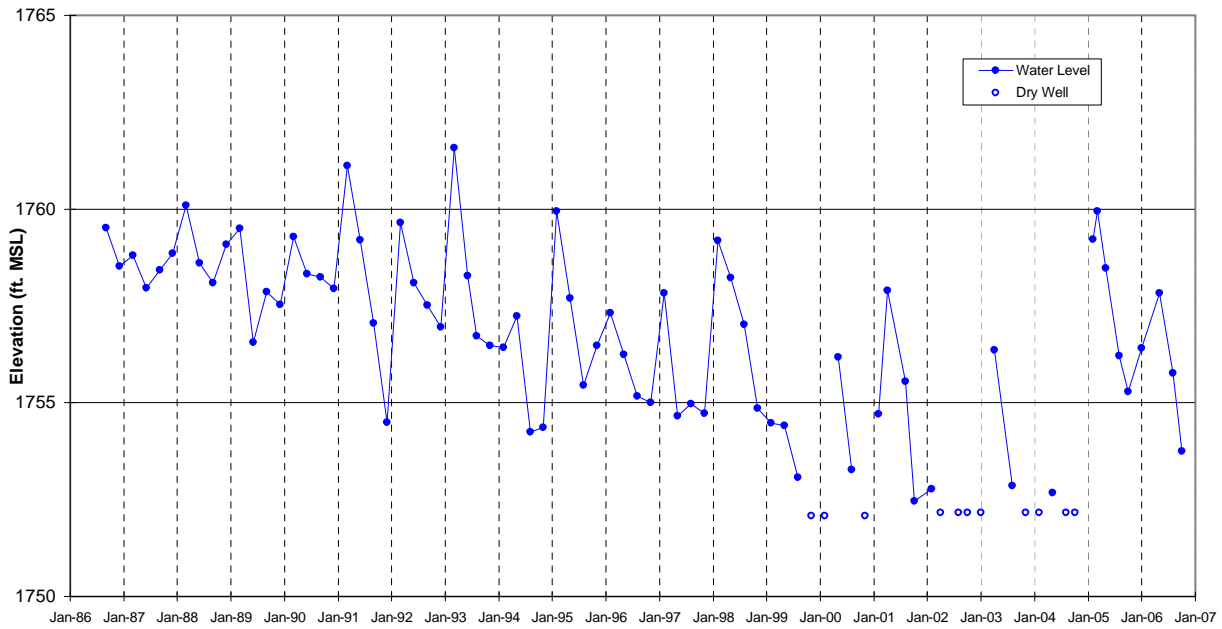
ft btc	=	Feet below top of casing.
ft msl	=	Feet above mean sea level.
NA	=	Not applicable
--	=	No FLUTe port installed.

HAR-01, HAR-16, HAR-24, RD-53, and RD-73 have/had alternating open and blank intervals at 5-foot frequencies (i.e., 5 feet open then 5 feet closed).

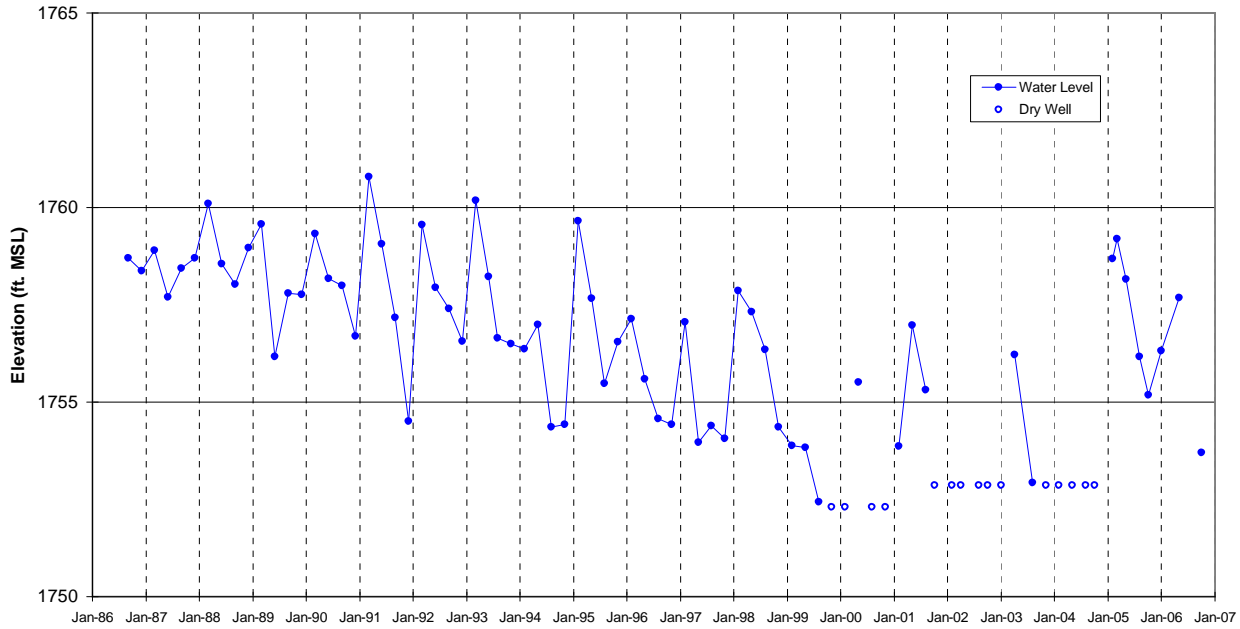
RD-07, RD-10, RD-21, RD-22, RD-23, RD-31, RD-33A, RD-50, RD-54A, RD-57, RD-64, RD-65, RD-72, and OS-24 have/had alternating open and blank intervals at 10-foot frequencies (i.e., 10 feet open then 10 feet closed).



WATER LEVEL HYDROGRAPH
 Shallow Well SH-01
Figure A-1

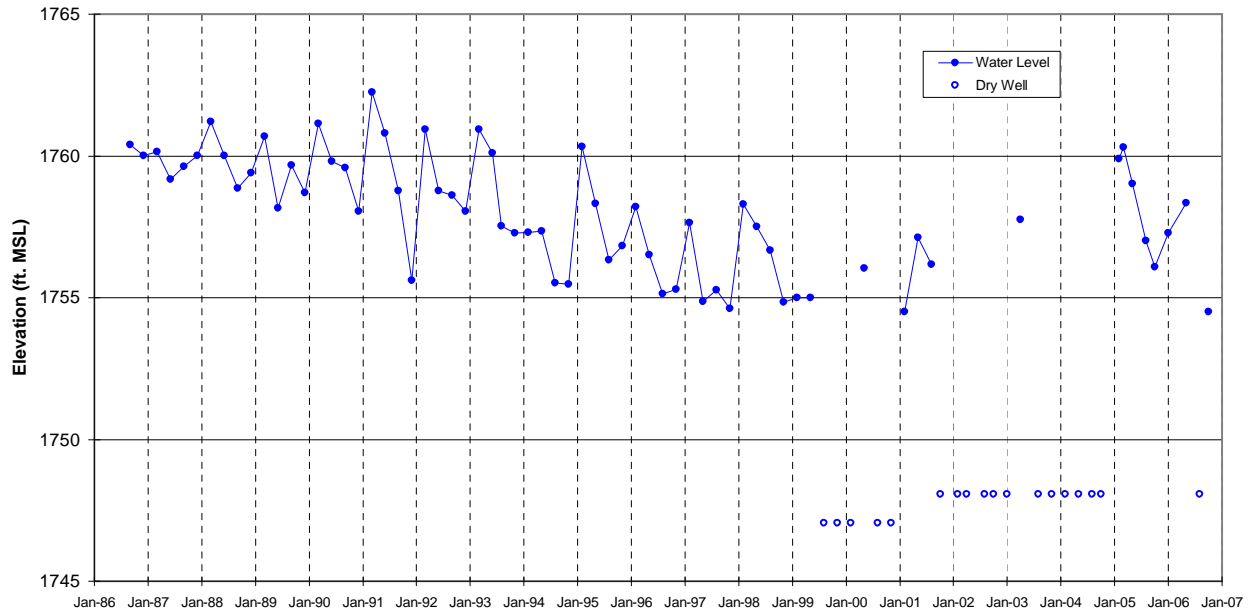


WATER LEVEL HYDROGRAPH
 Shallow Well SH-02
Figure A-2

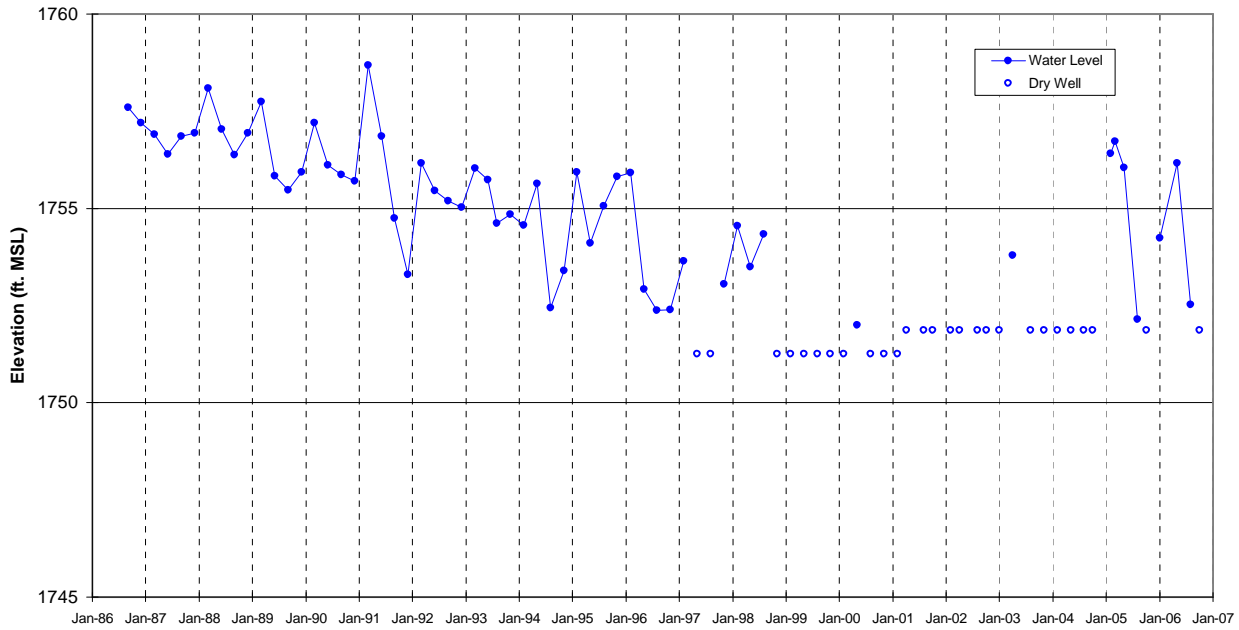


WATER LEVEL HYDROGRAPH
Shallow Well SH-03
Figure A-3

Dry well elevations were corrected in January 2007.

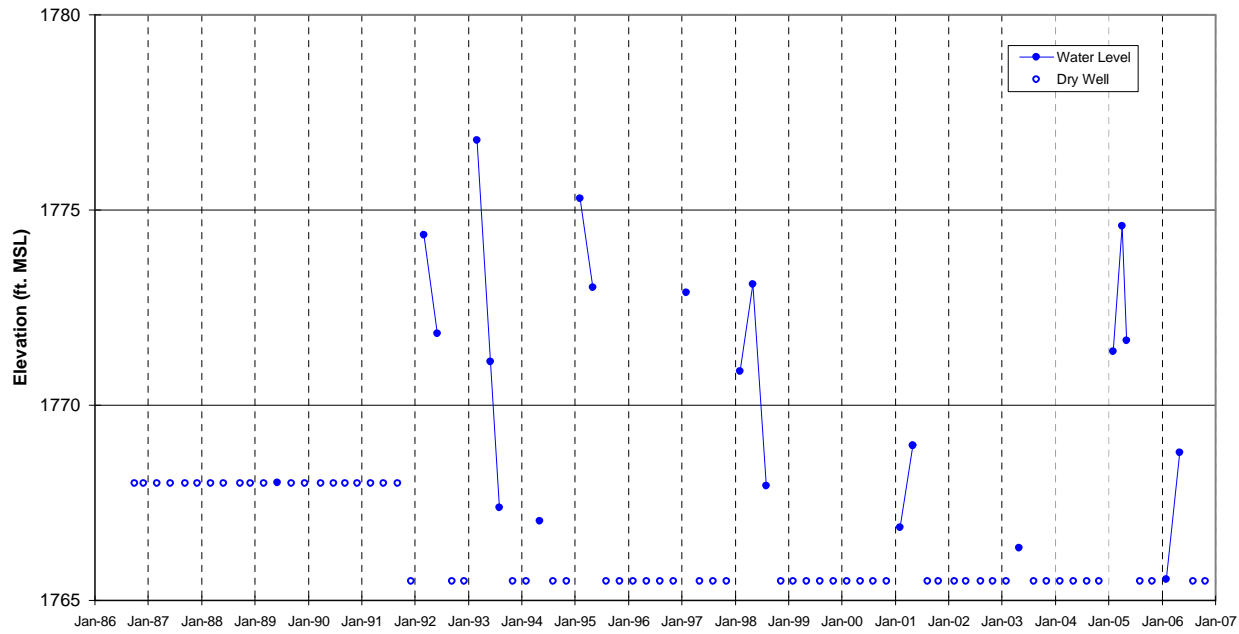


WATER LEVEL HYDROGRAPH
Shallow Well SH-04
Figure A-4

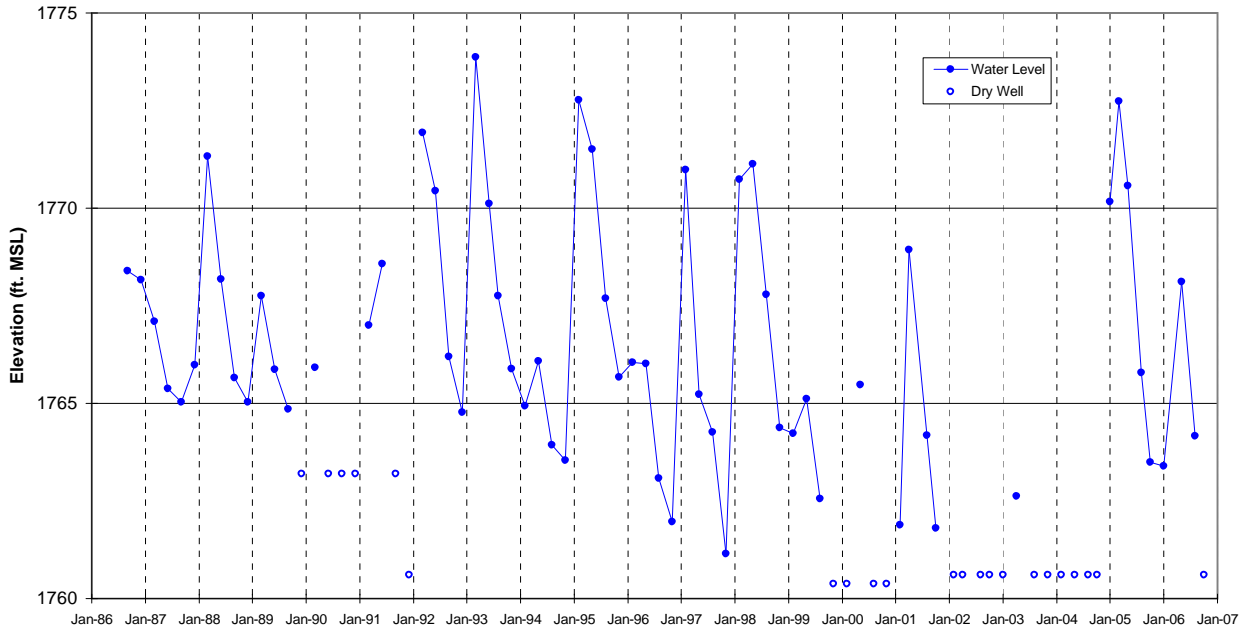


WATER LEVEL HYDROGRAPH
Shallow Well SH-05
Figure A-5

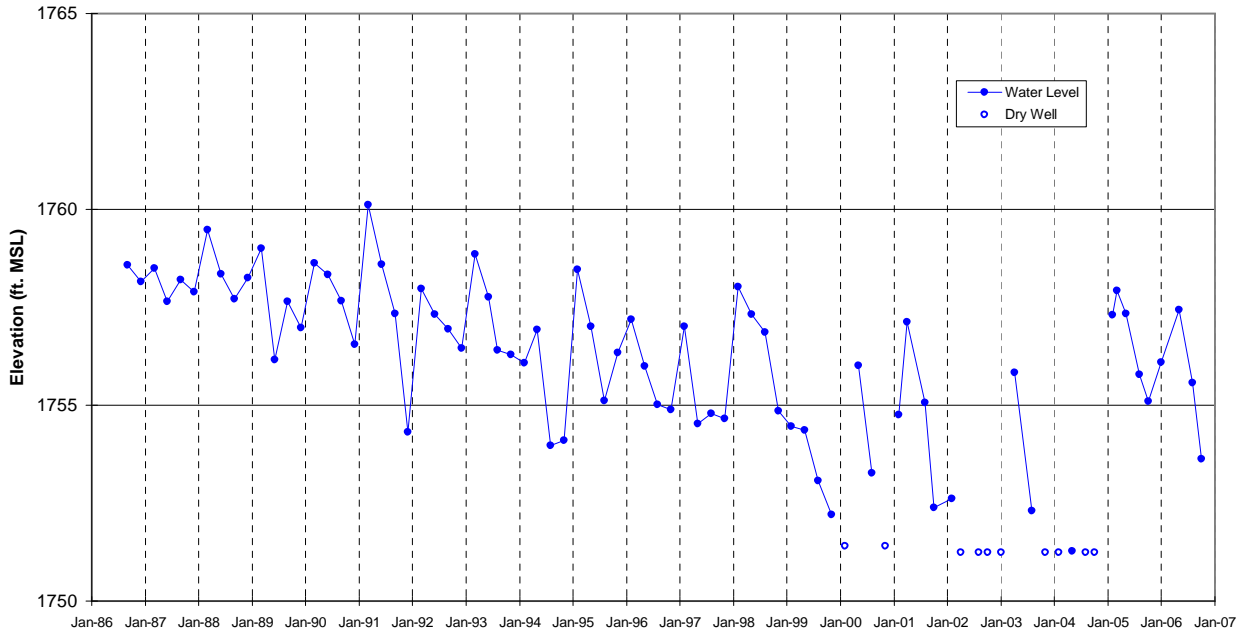
Dry well elevations were corrected in January 2007.



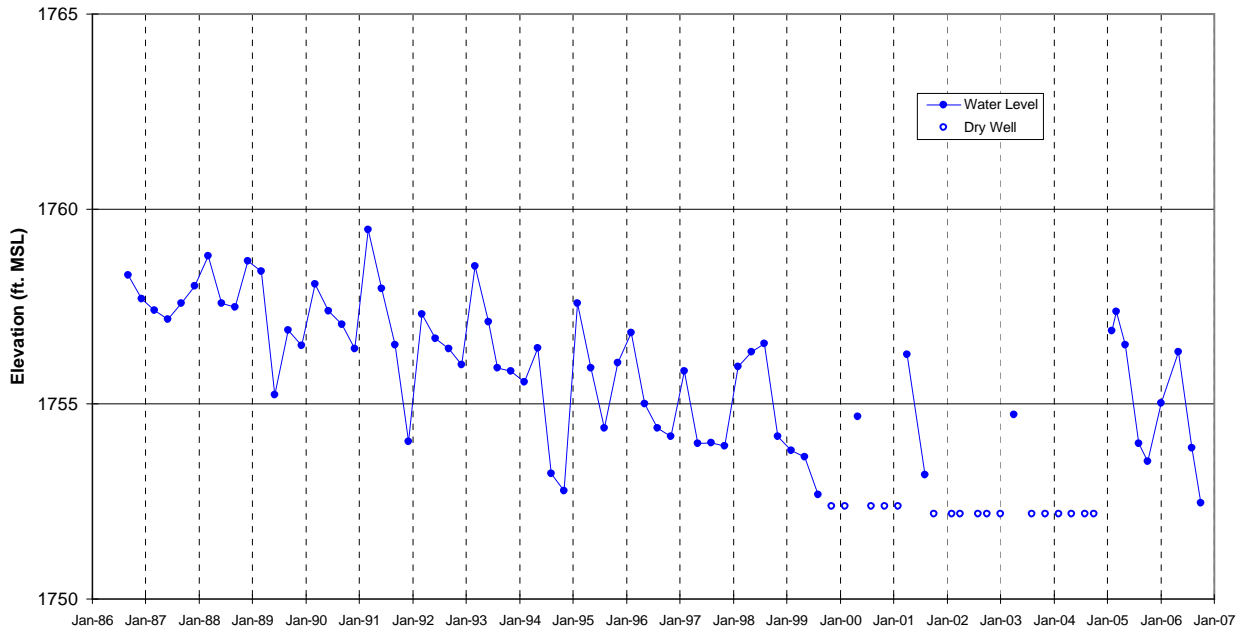
WATER LEVEL HYDROGRAPH
Shallow Well SH-06
Figure A-6



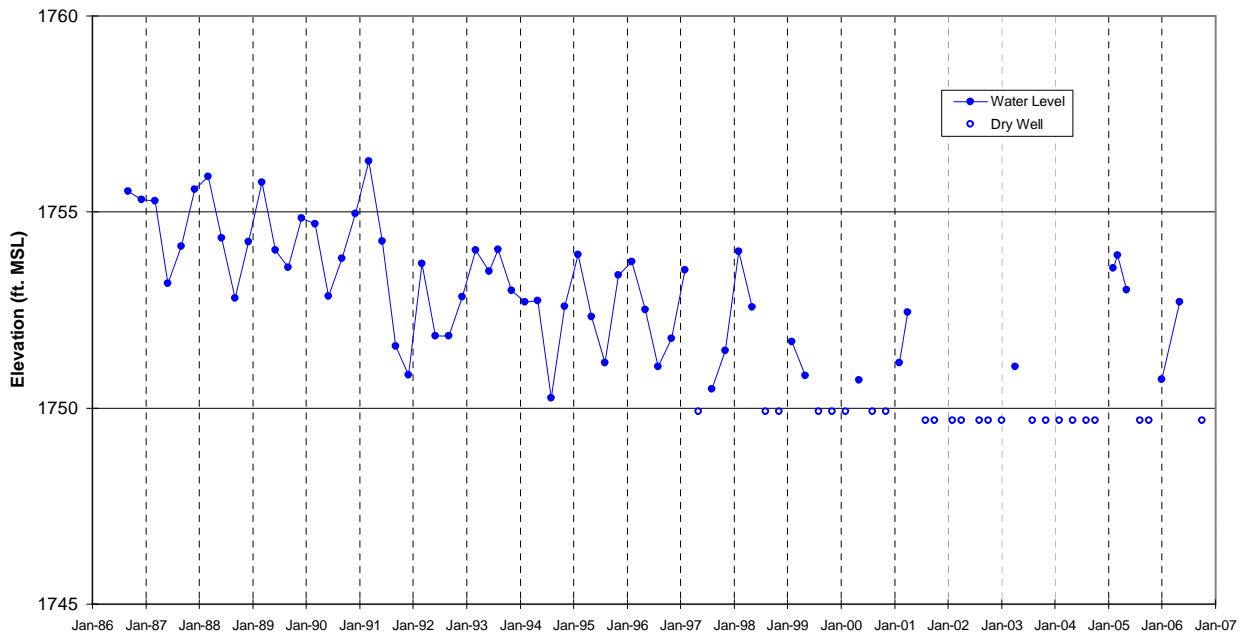
WATER LEVEL HYDROGRAPH
 Shallow Well SH-07
Figure A-7



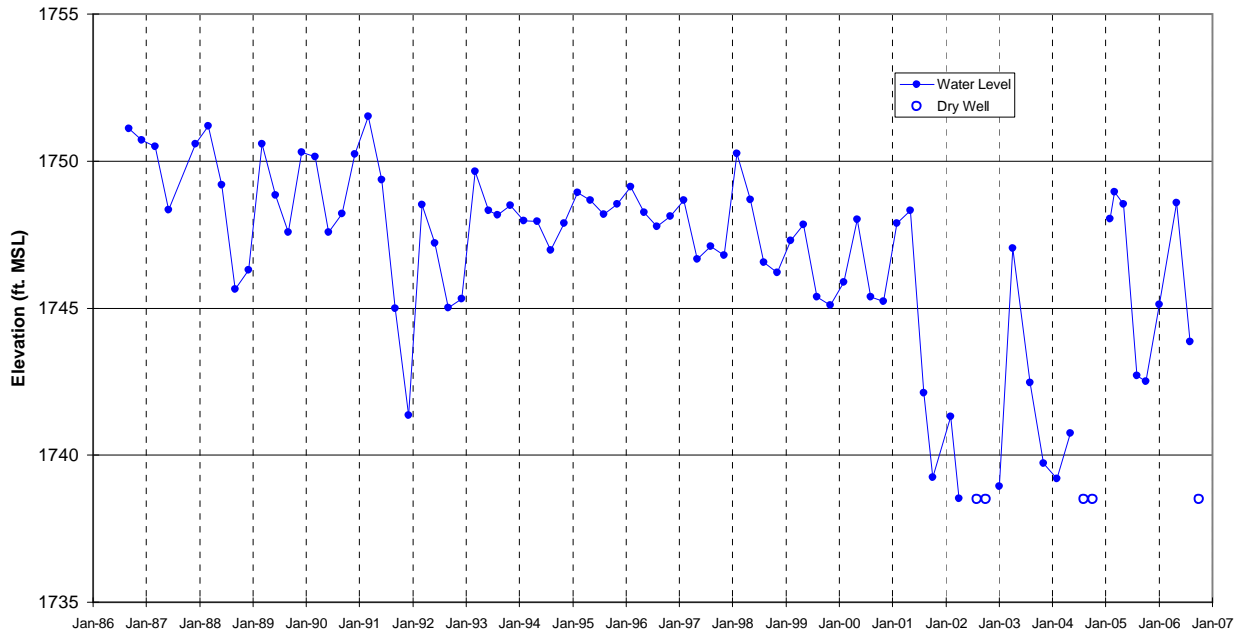
WATER LEVEL HYDROGRAPH
 Shallow Well SH-08
Figure A-8



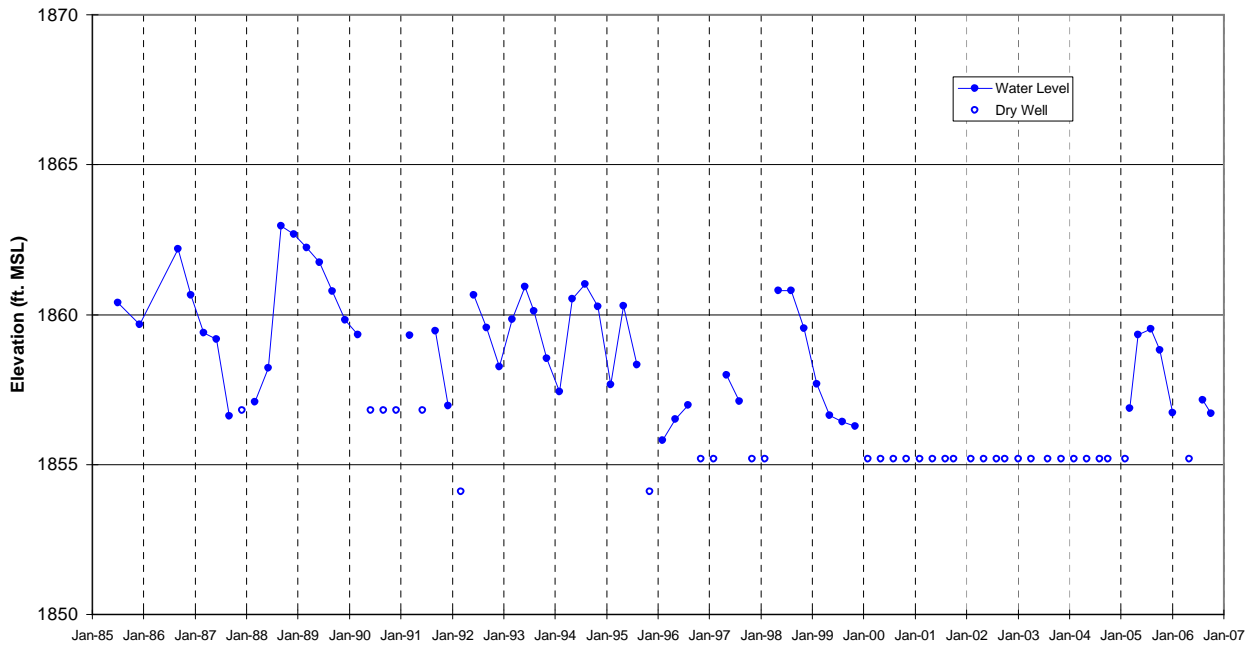
WATER LEVEL HYDROGRAPH
Shallow Well SH-09
Figure A-9



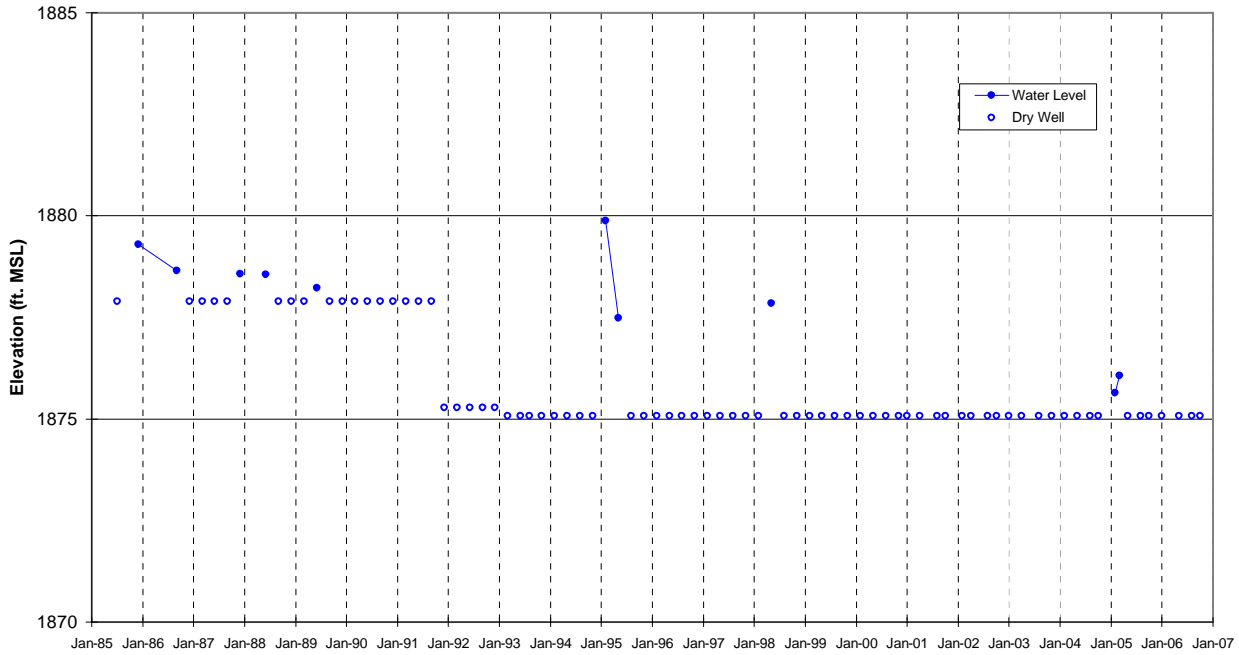
WATER LEVEL HYDROGRAPH
Shallow Well SH-10
Figure A-10



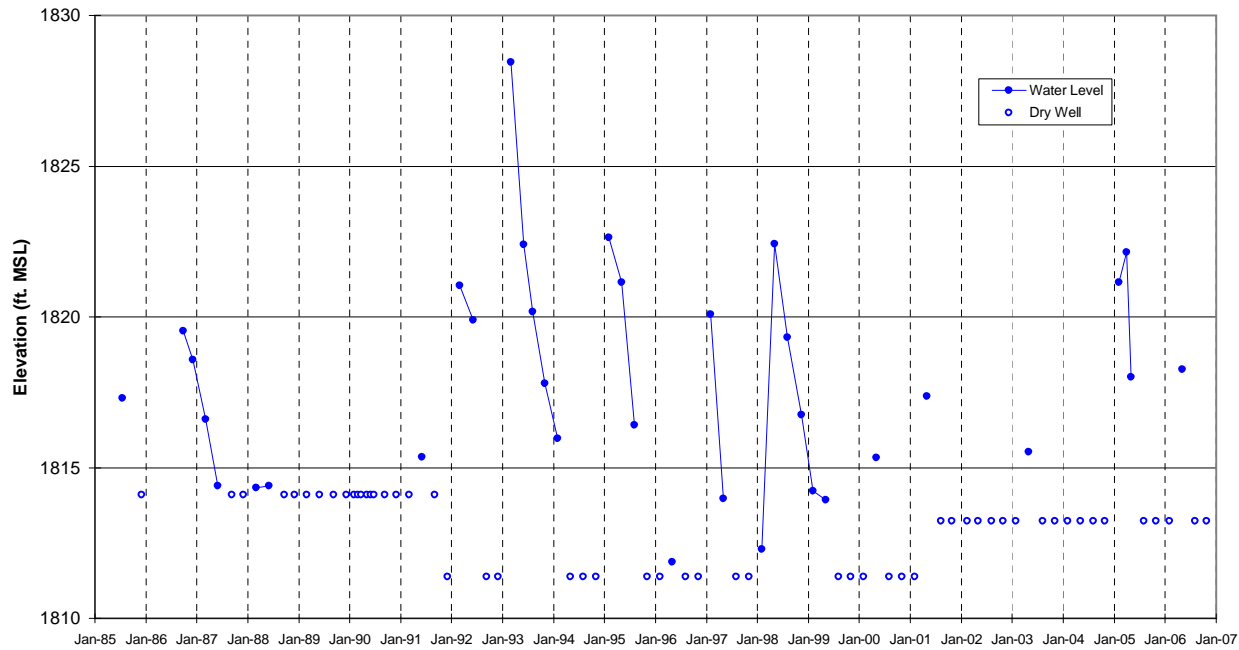
WATER LEVEL HYDROGRAPH
 Shallow Well SH-11
Figure A-11



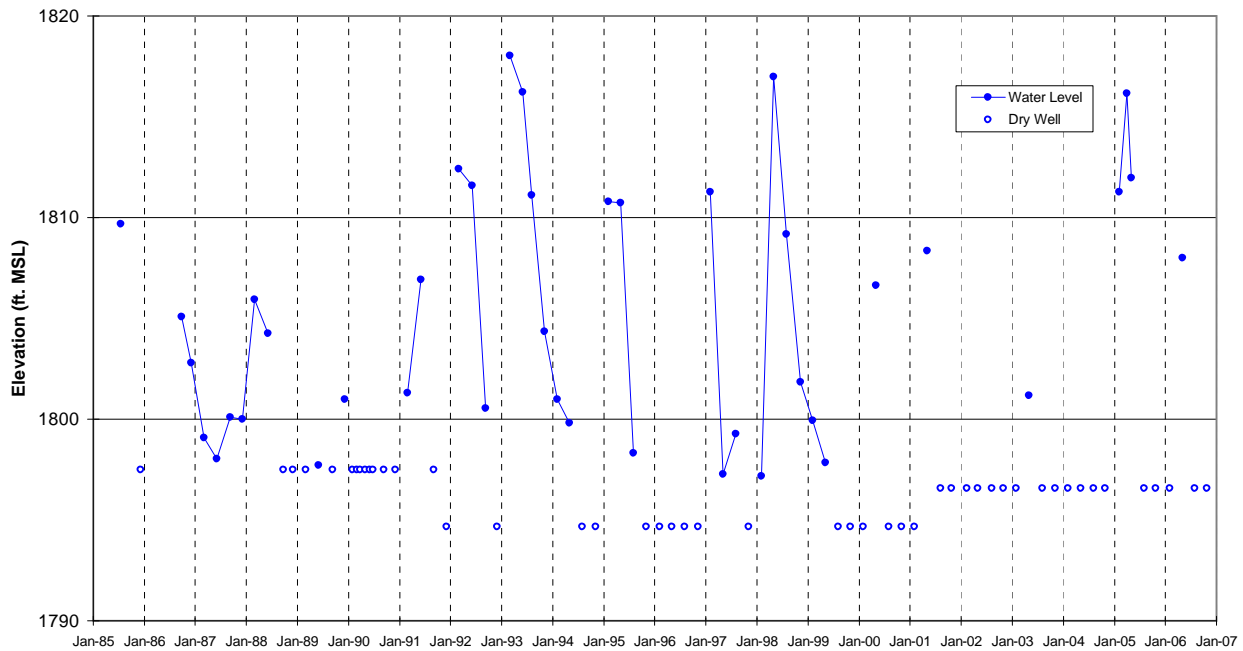
WATER LEVEL HYDROGRAPH
 Shallow Well RS-01
Figure A-12



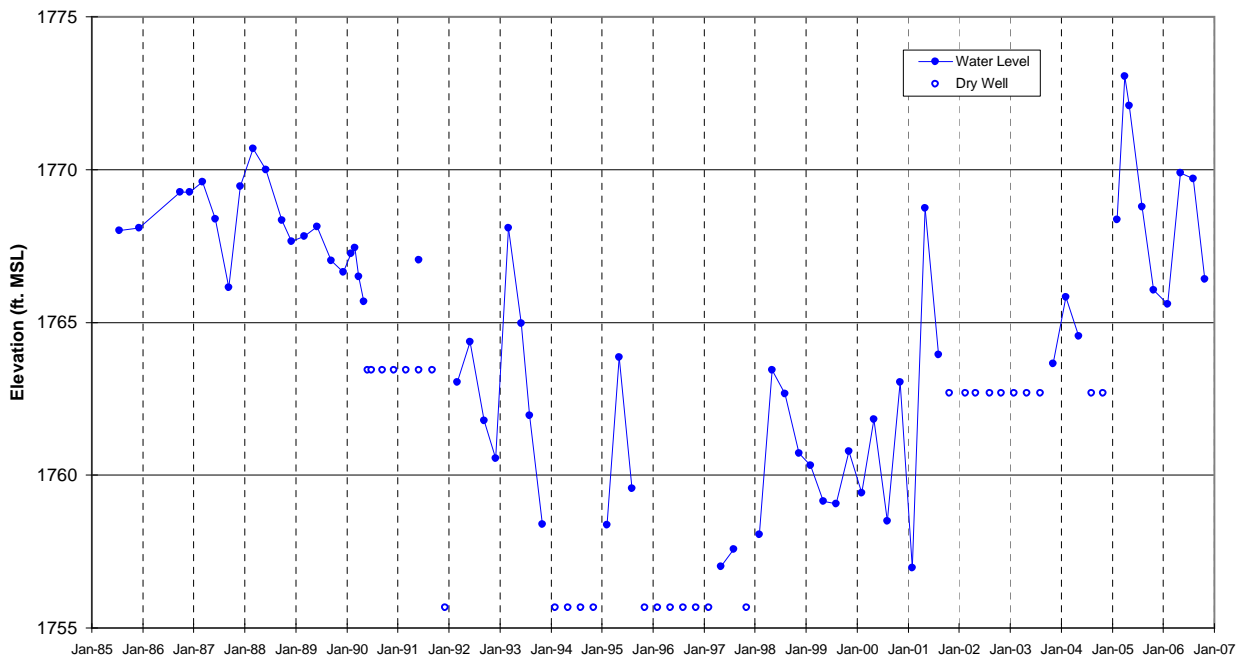
WATER LEVEL HYDROGRAPH
Shallow Well RS-02
Figure A-13



WATER LEVEL HYDROGRAPH
Shallow Well RS-03
Figure A-14

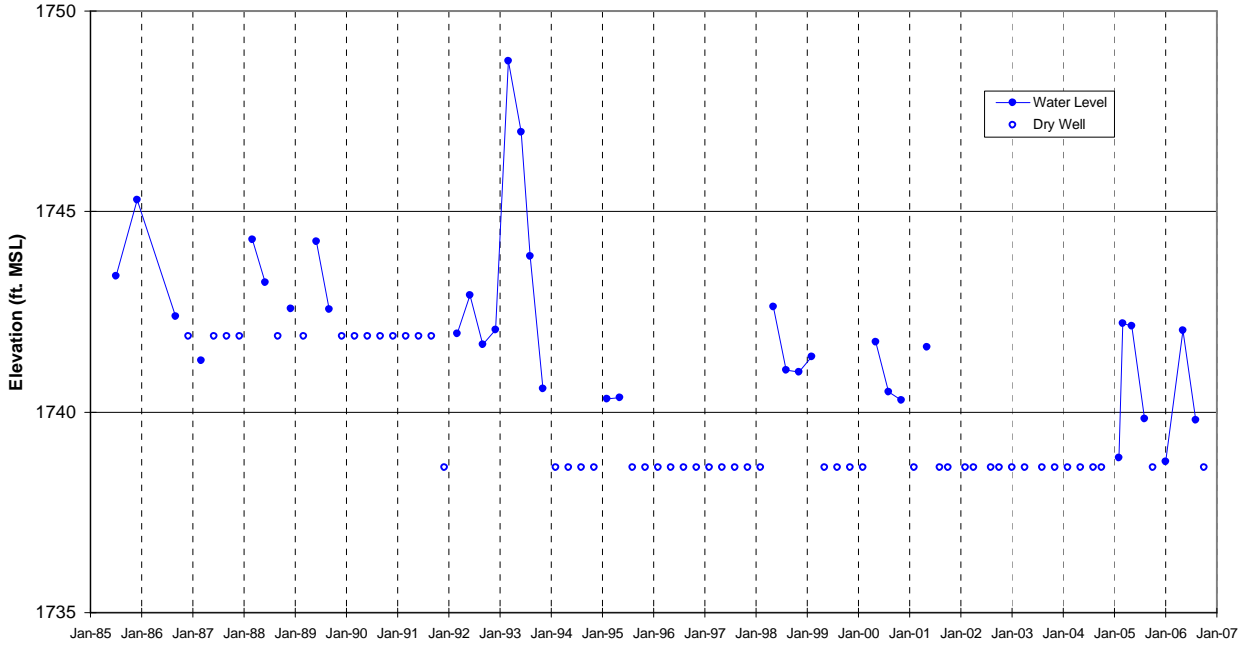


WATER LEVEL HYDROGRAPH
Shallow Well RS-04
Figure A-15



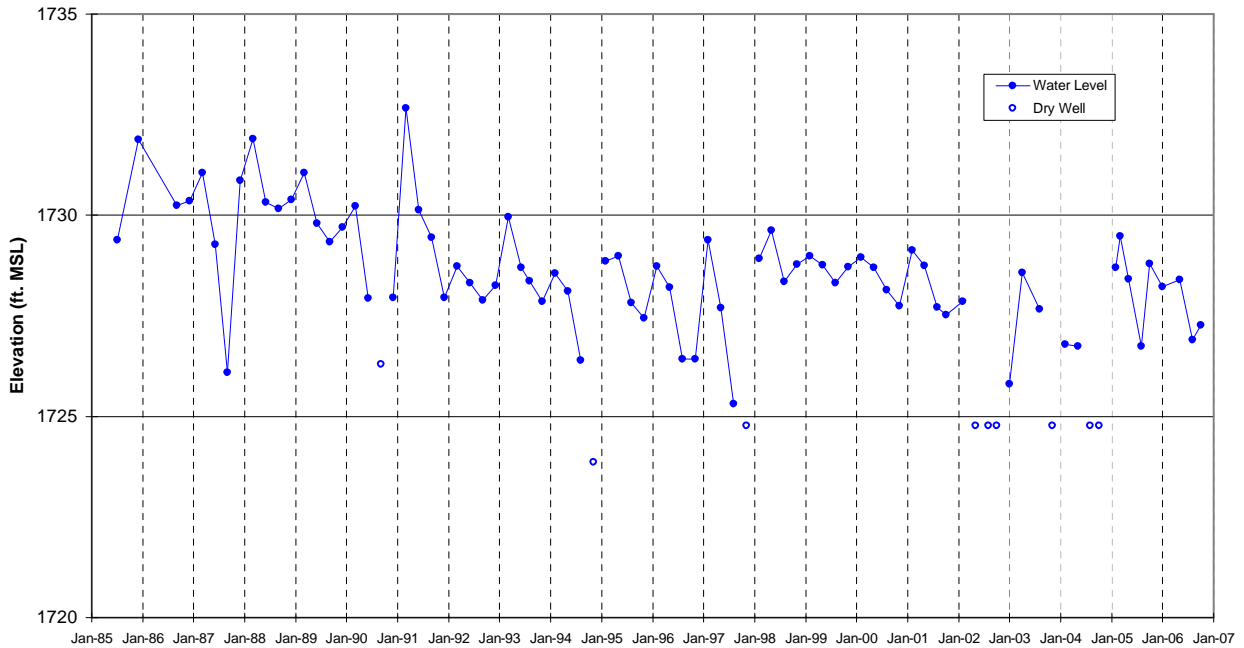
WATER LEVEL HYDROGRAPH
Shallow Well RS-05
Figure A-16

Dry well elevations were corrected in January 2007.

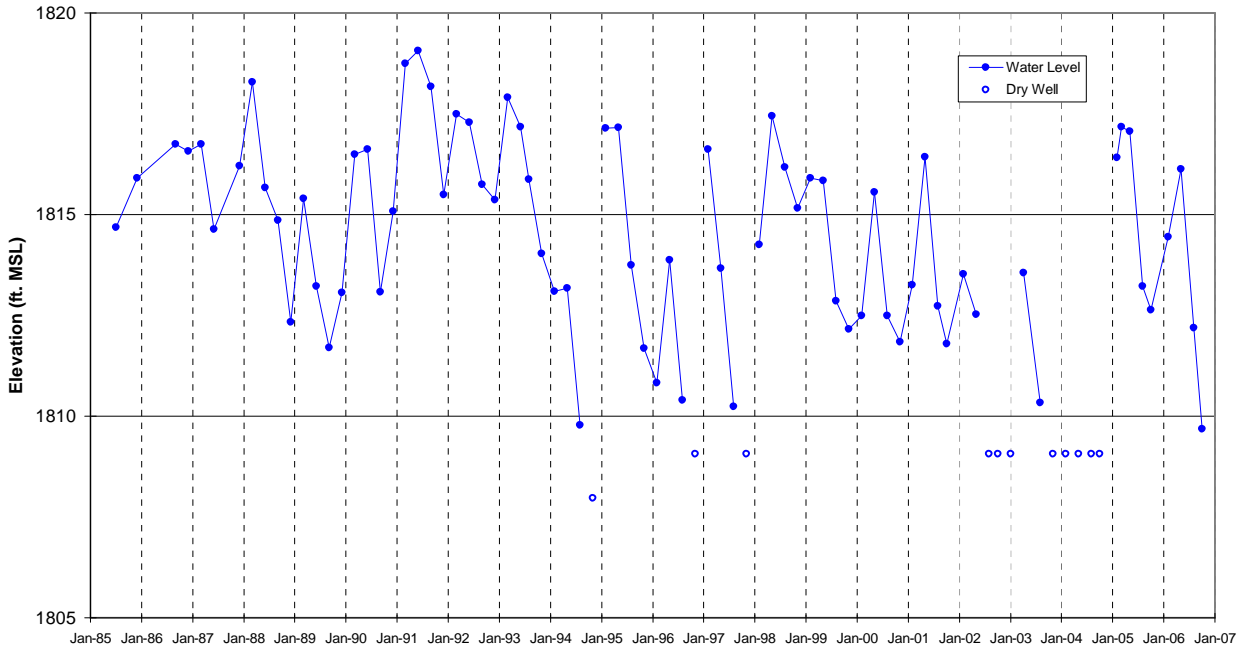


WATER LEVEL HYDROGRAPH
 Shallow Well RS-06
Figure A-17

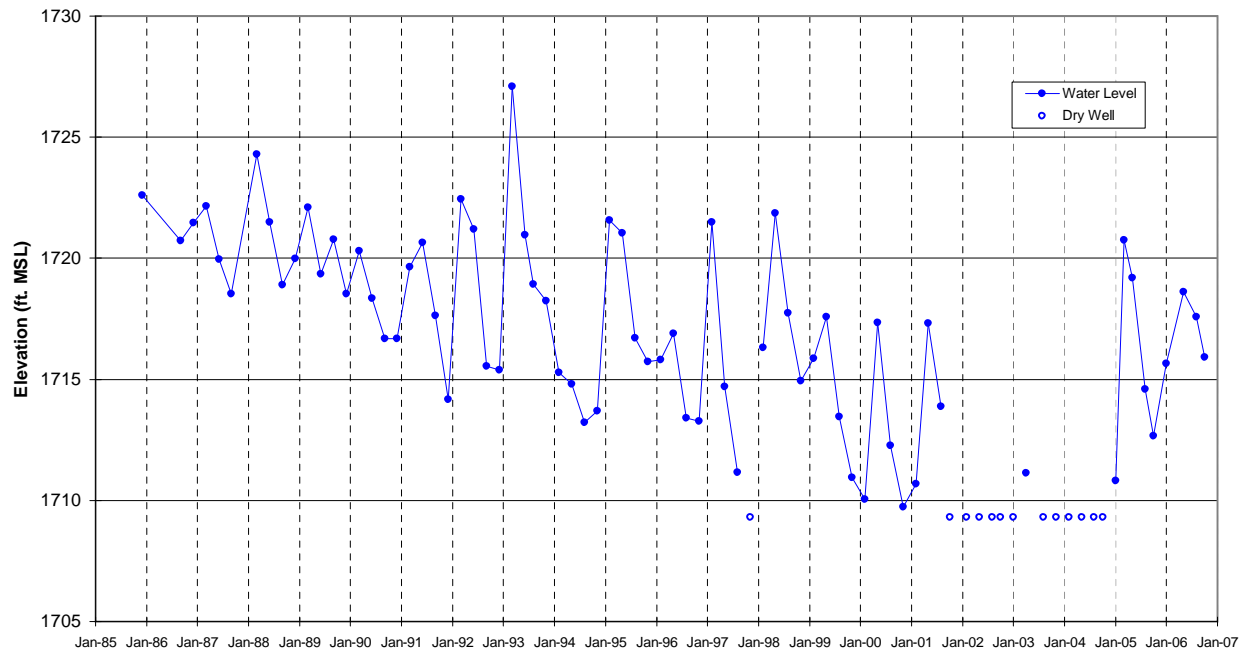
Dry well elevations were corrected in January 2007.



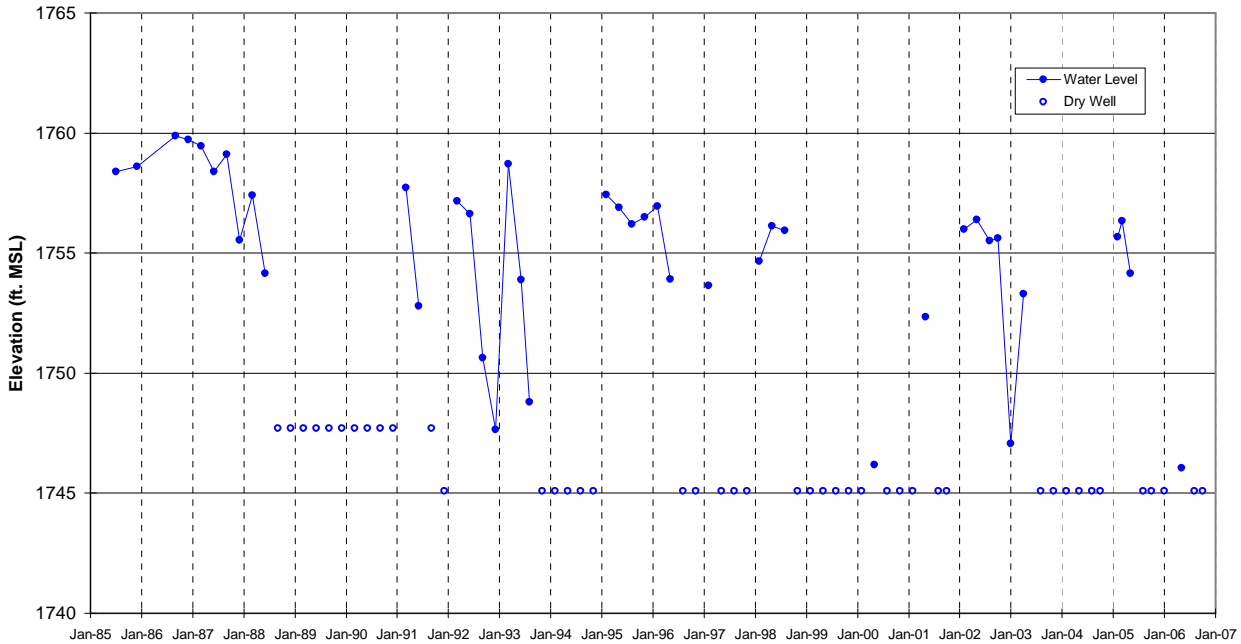
WATER LEVEL HYDROGRAPH
 Shallow Well RS-07
Figure A-18



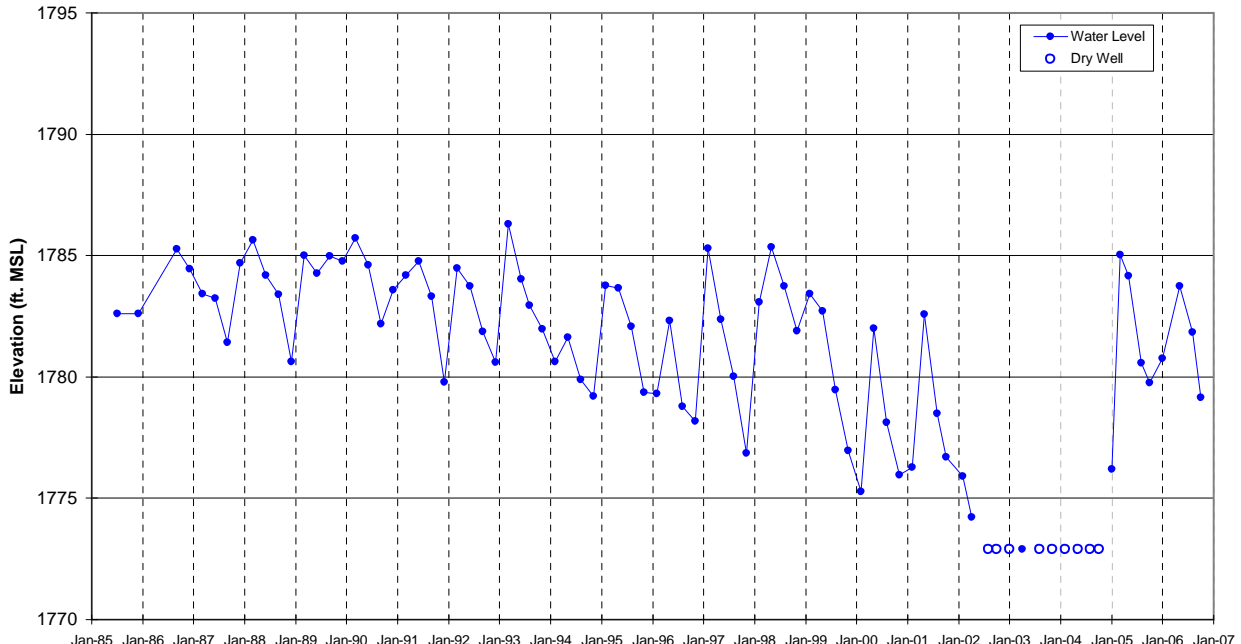
WATER LEVEL HYDROGRAPH
Shallow Well RS-08
Figure A-19



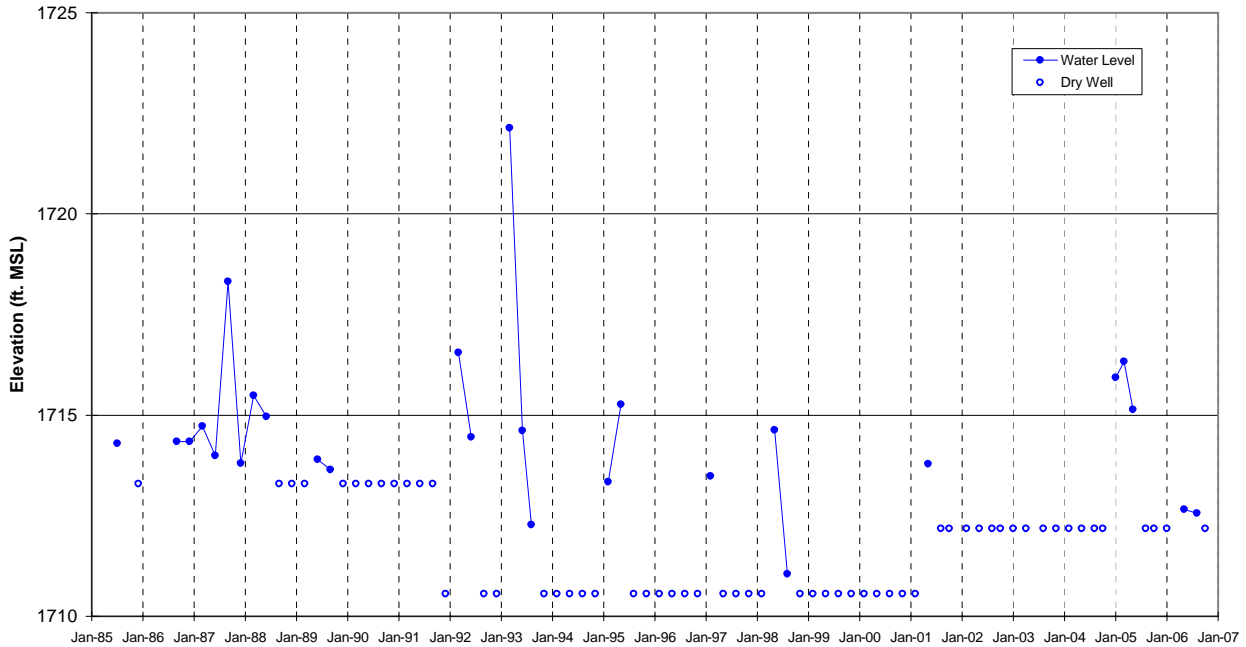
WATER LEVEL HYDROGRAPH
Shallow Well RS-09
Figure A-20



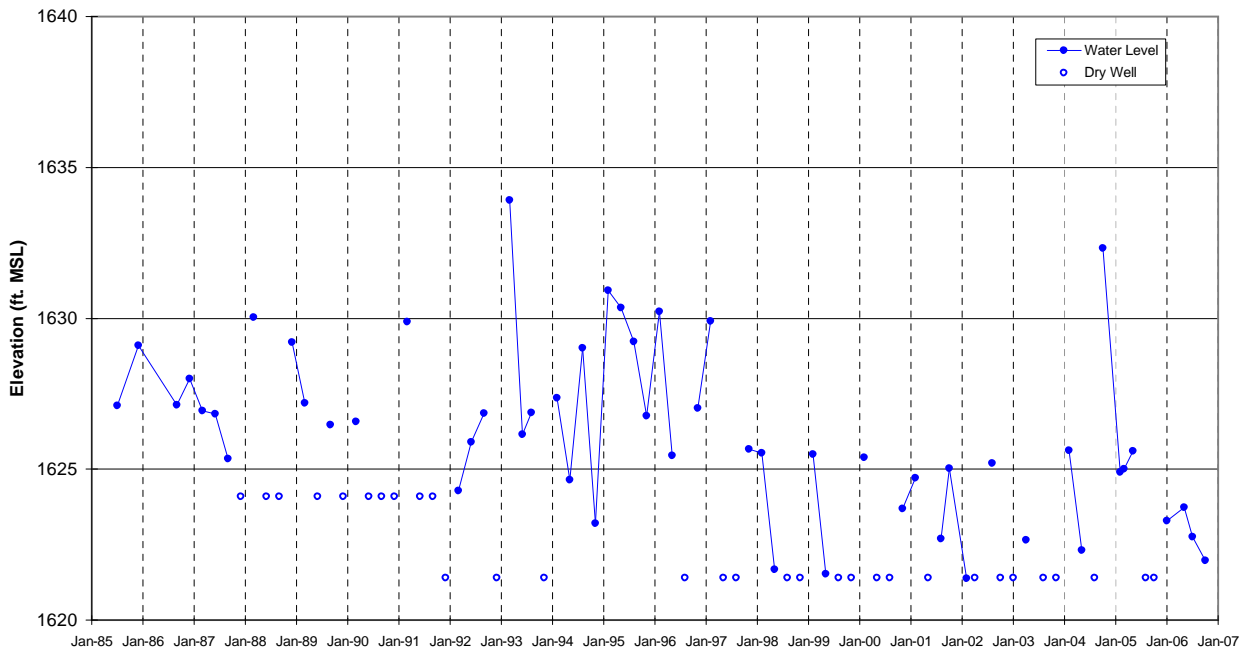
WATER LEVEL HYDROGRAPH
 Shallow Well RS-10
Figure A-21



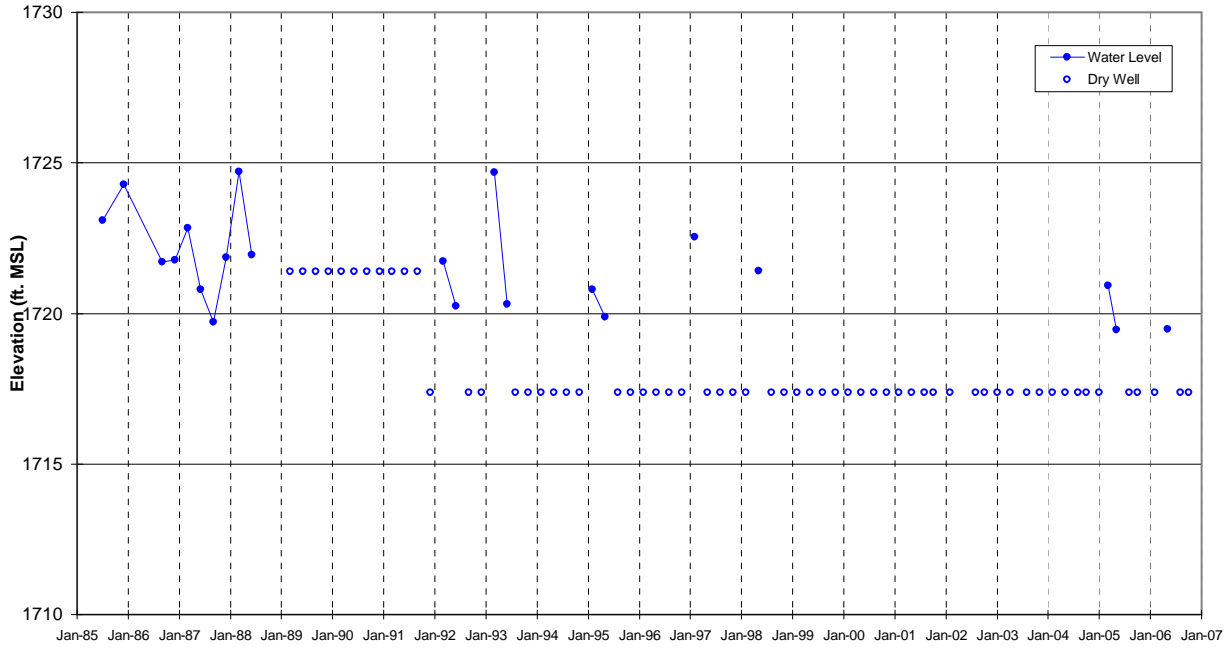
WATER LEVEL HYDROGRAPH
 Shallow Well RS-11
Figure A-22



WATER LEVEL HYDROGRAPH
Shallow Well RS-12
Figure A-23

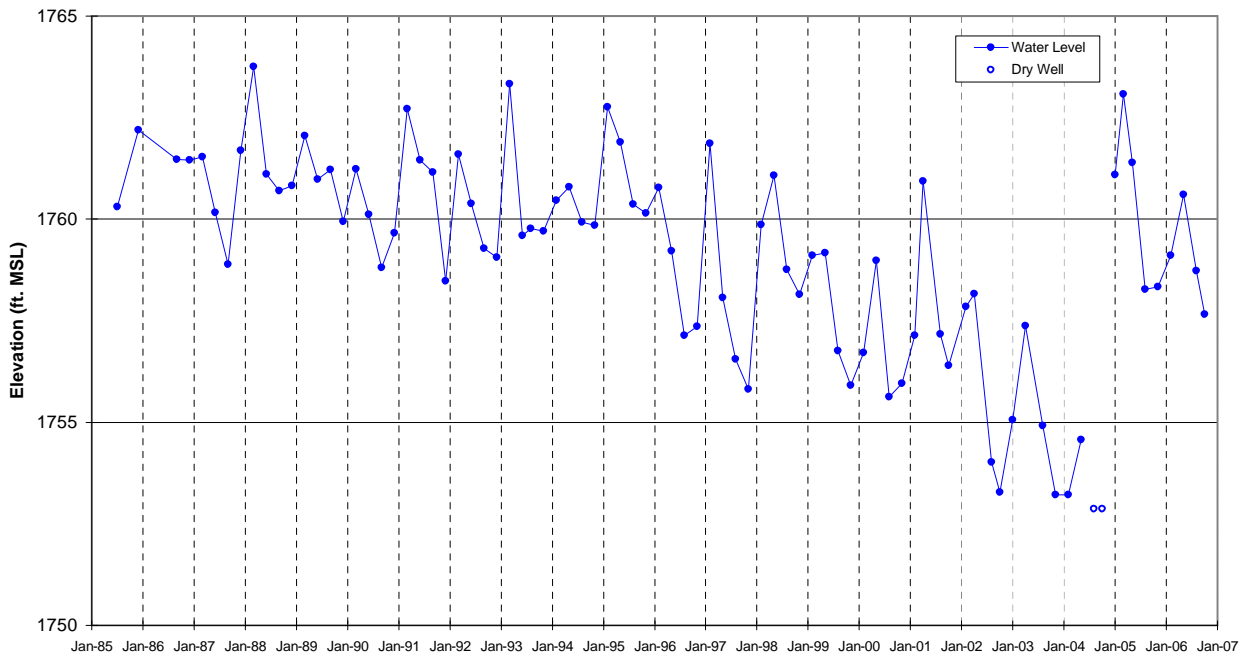


WATER LEVEL HYDROGRAPH
Shallow Well RS-13
Figure A-24

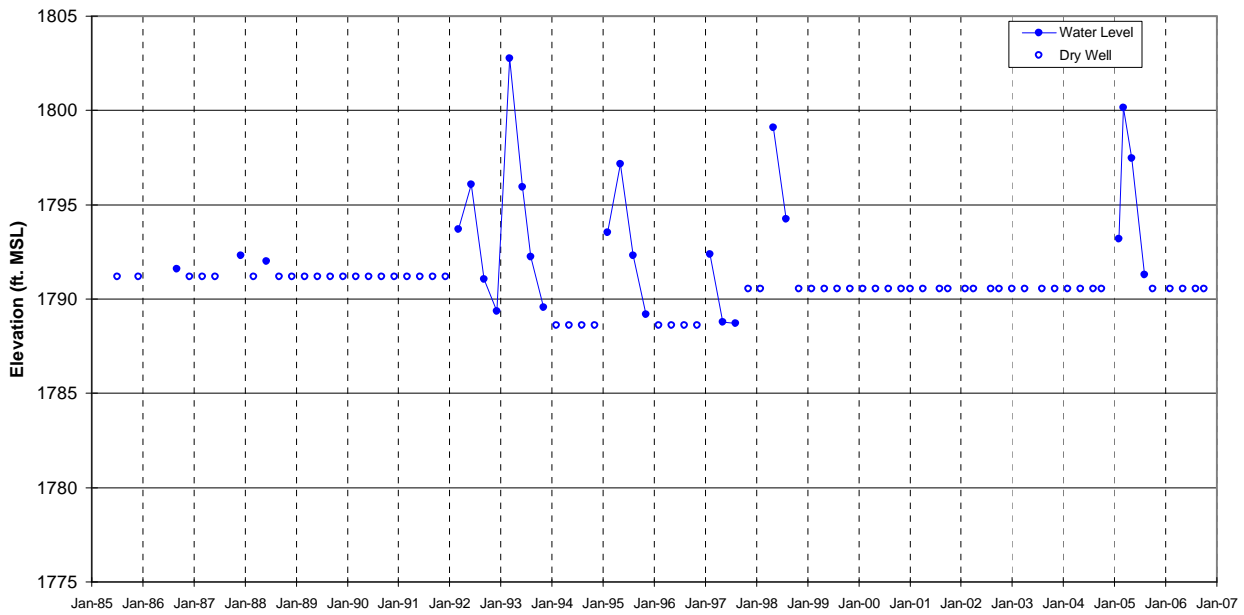


WATER LEVEL HYDROGRAPH
Shallow Well RS-14
Figure A-25

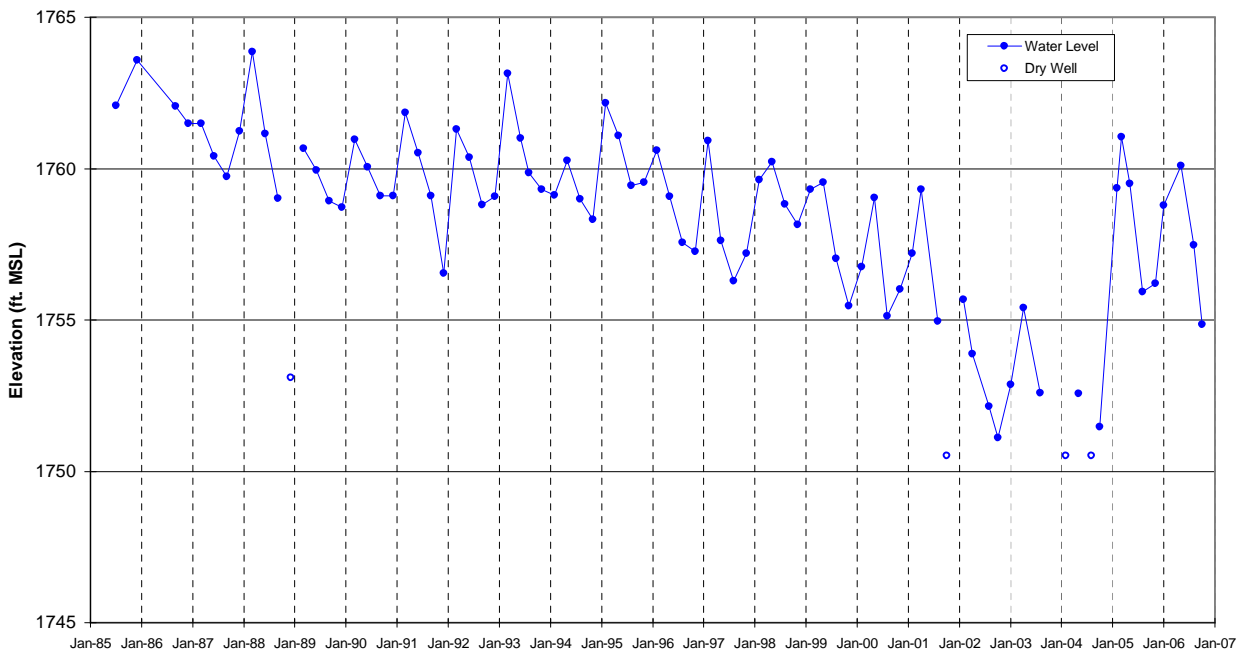
Dry well elevations were corrected in January 2007.



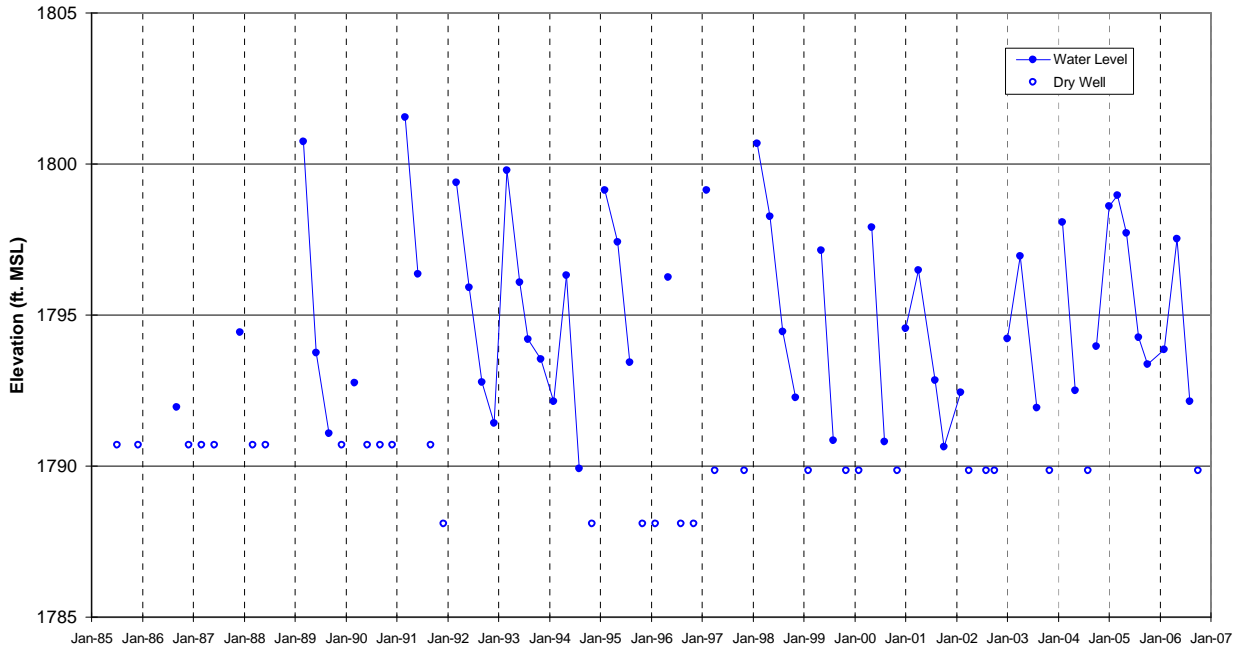
WATER LEVEL HYDROGRAPH
Shallow Well RS-15
Figure A-26



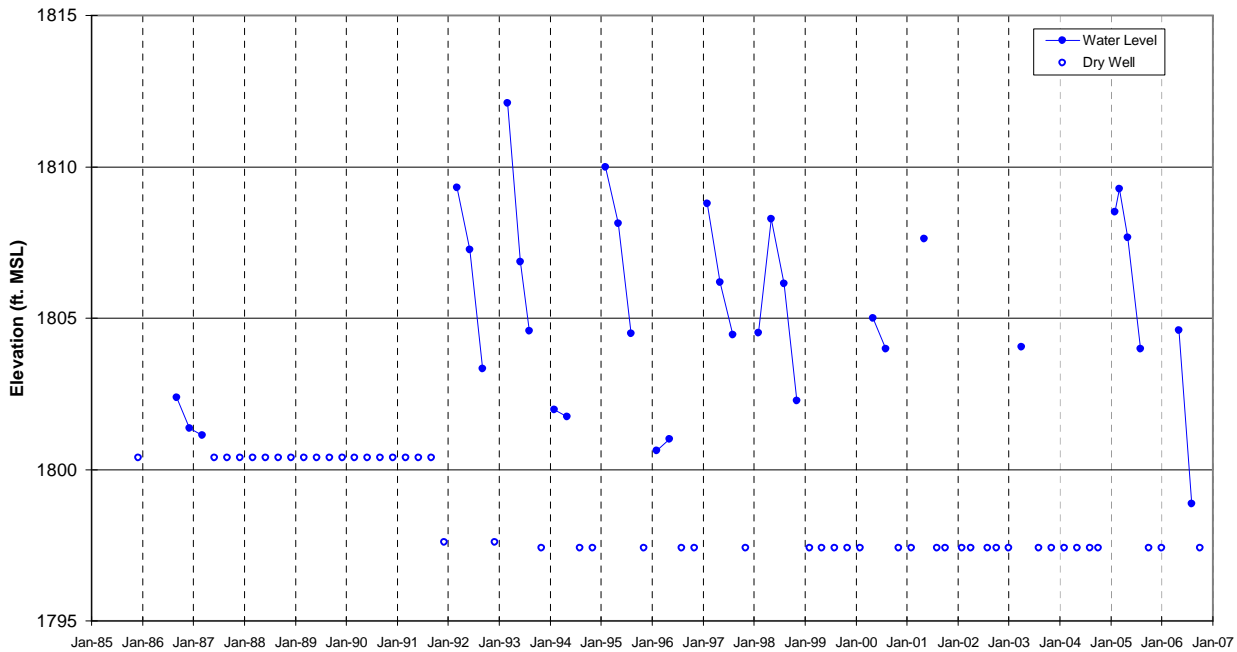
WATER LEVEL HYDROGRAPH
 Shallow Well RS-16
Figure A-27



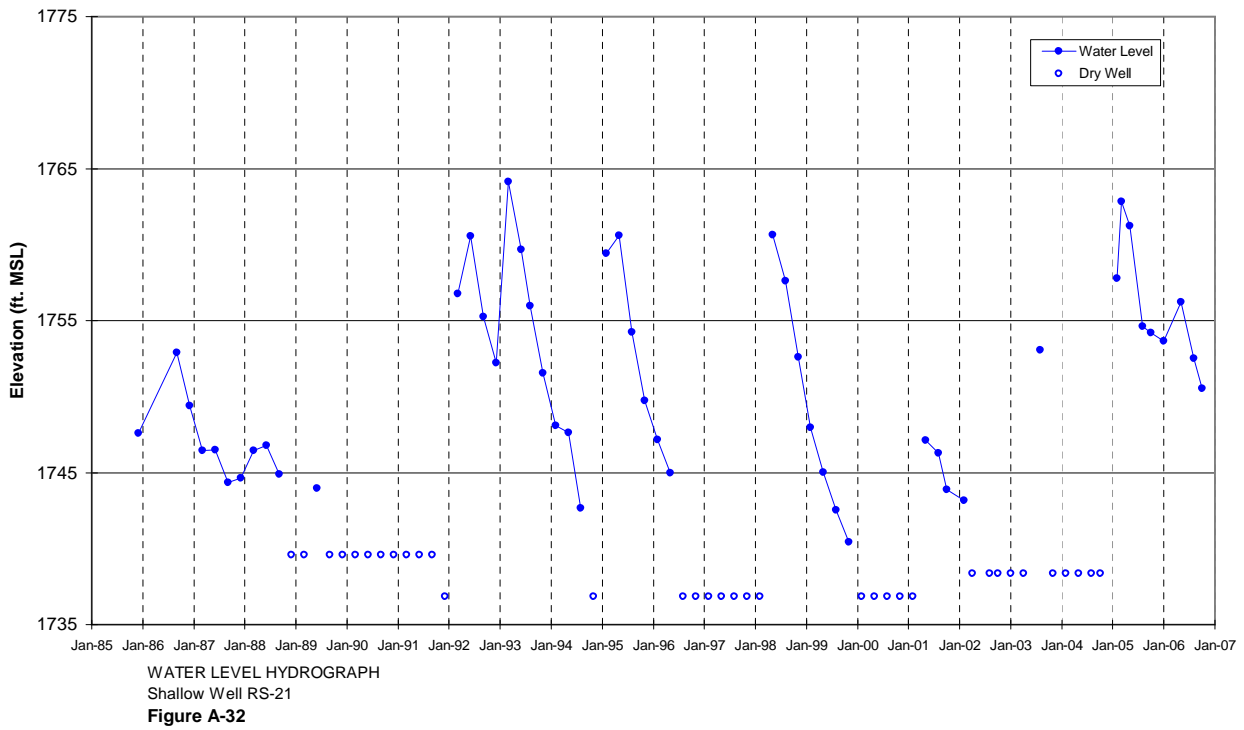
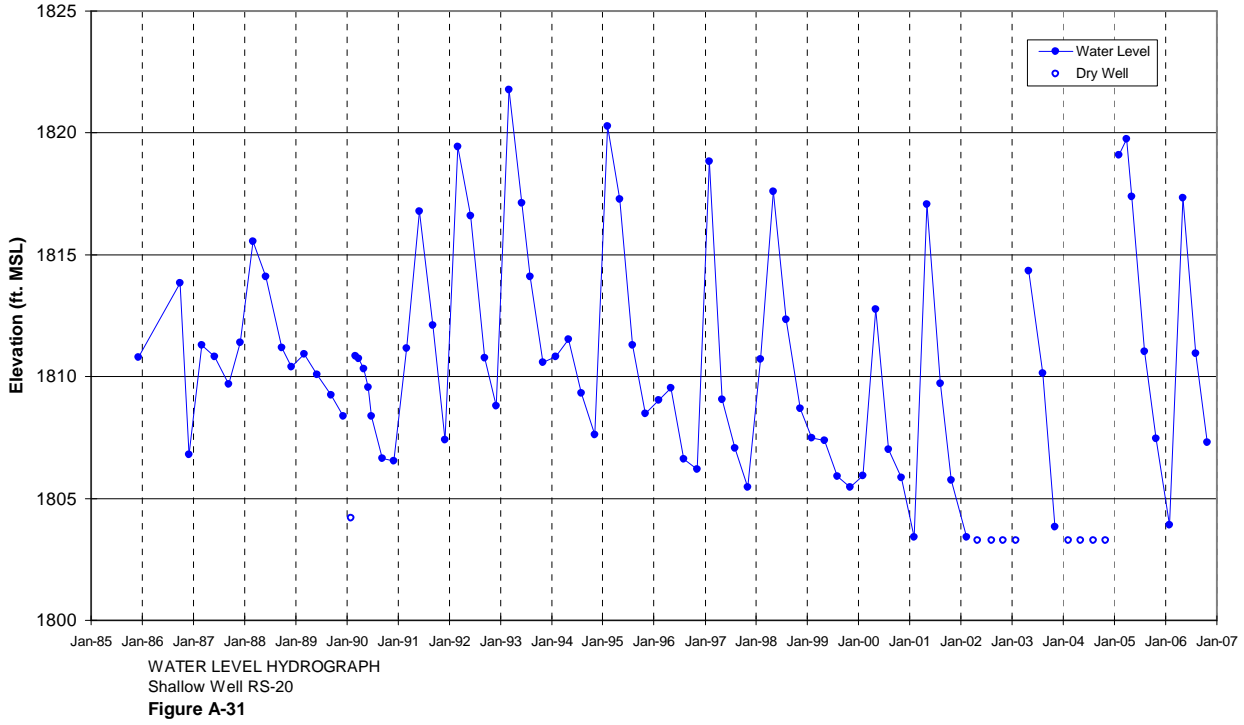
WATER LEVEL HYDROGRAPH
 Shallow Well RS-17
Figure A-28

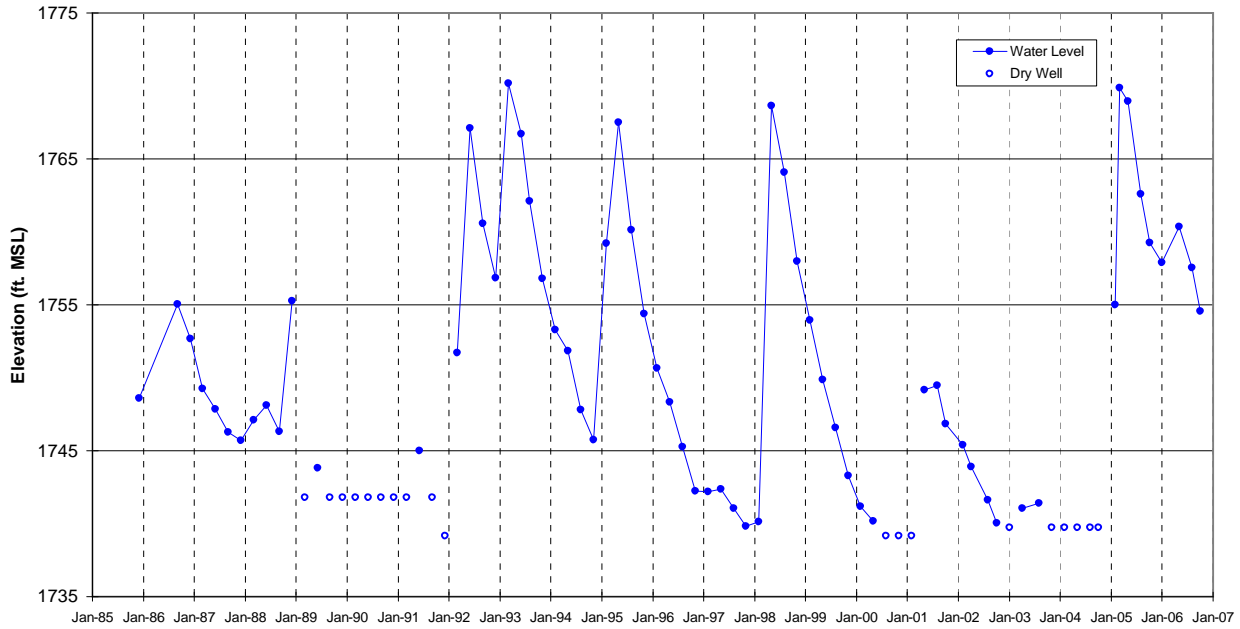


WATER LEVEL HYDROGRAPH
 Shallow Well RS-18
Figure A-29



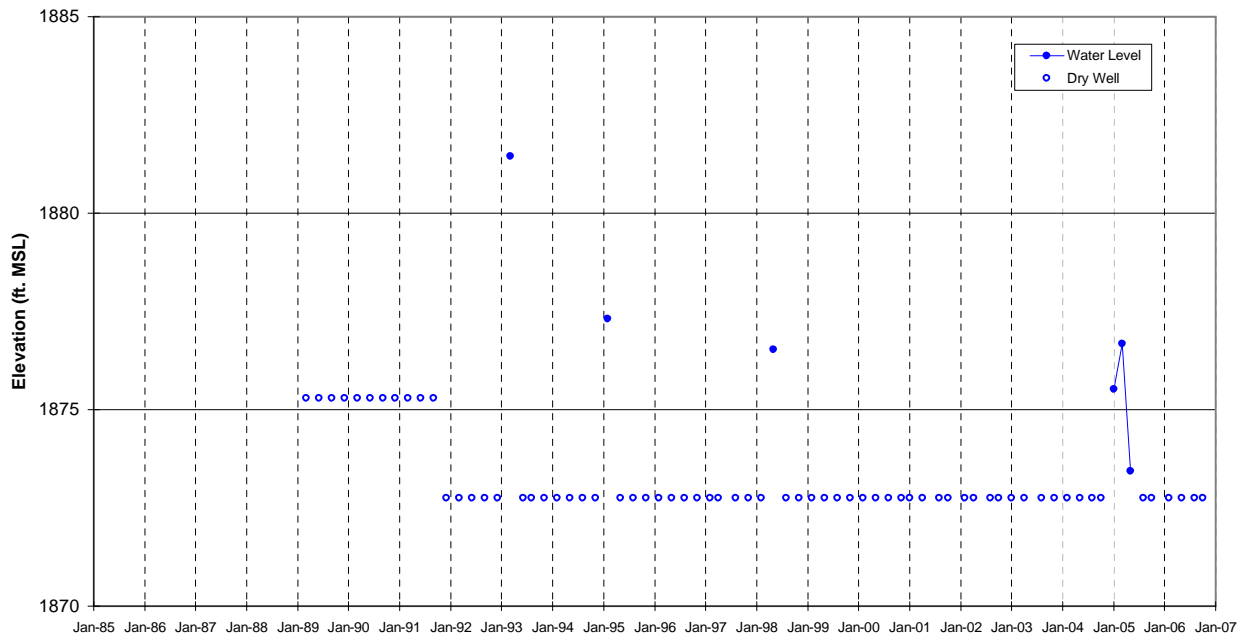
WATER LEVEL HYDROGRAPH
 Shallow Well RS-19
Figure A-30





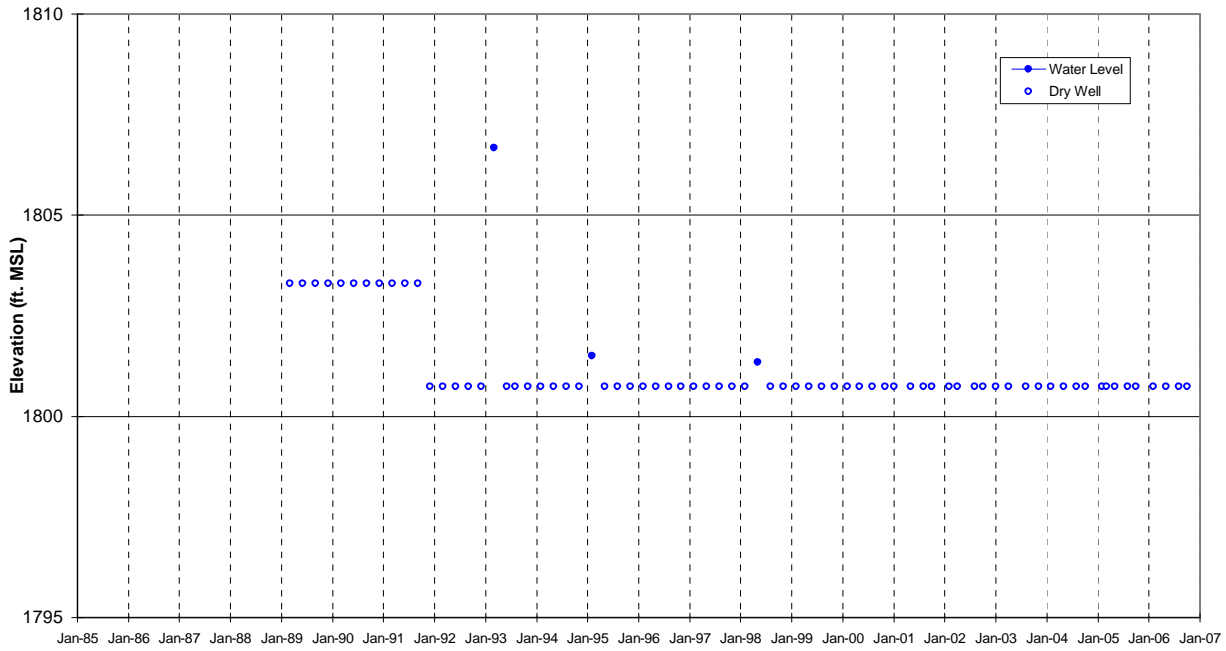
WATER LEVEL HYDROGRAPH
Shallow Well RS-22
Figure A-33

Dry well elevations were corrected in January 2007.

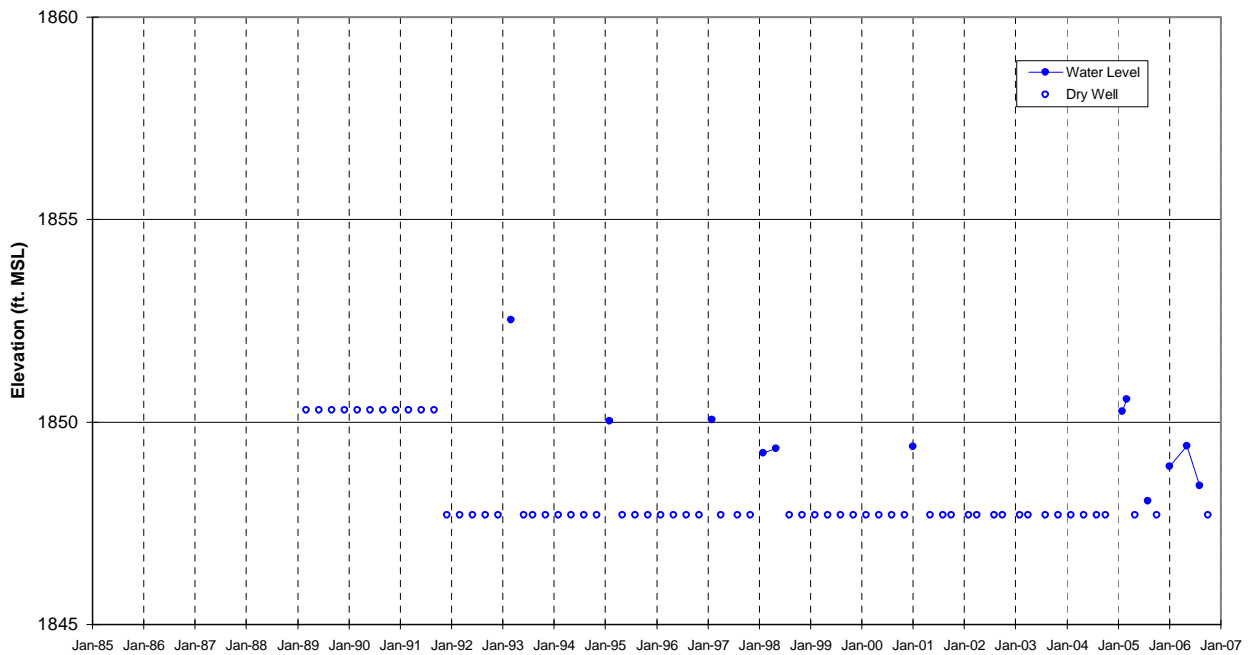


WATER LEVEL HYDROGRAPH
Shallow Well RS-23
Figure A-34

Dry well elevations were corrected in January 2007.

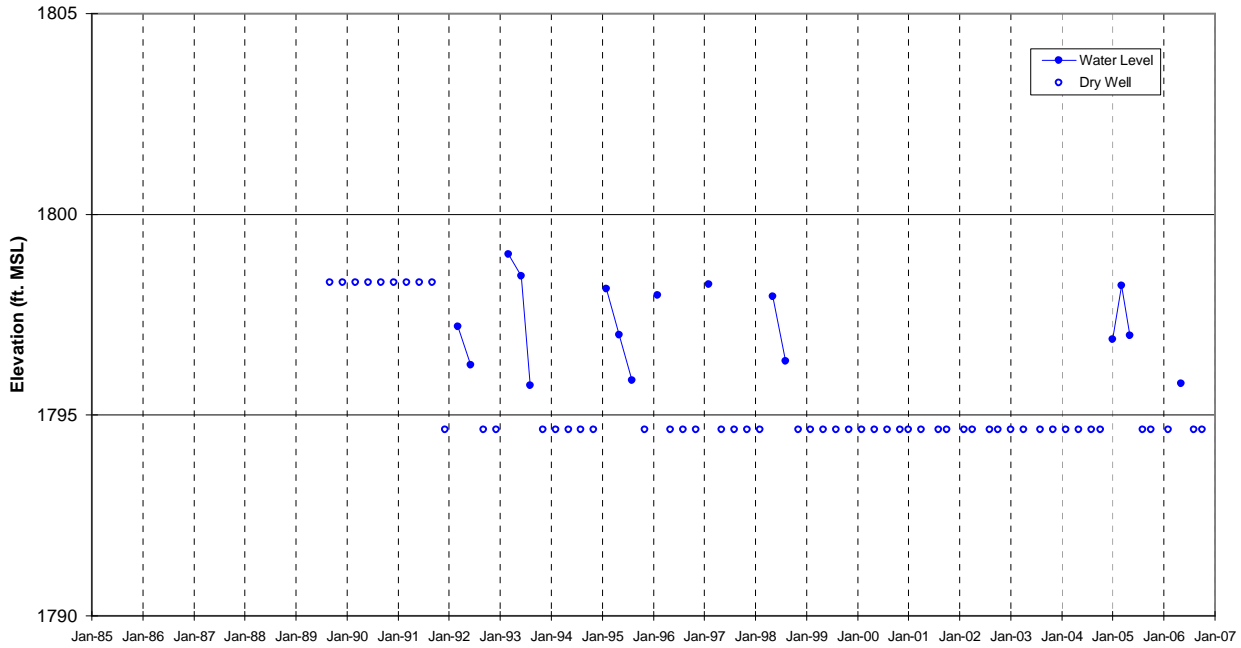


WATER LEVEL HYDROGRAPH
Shallow Well RS-24
Figure A-35



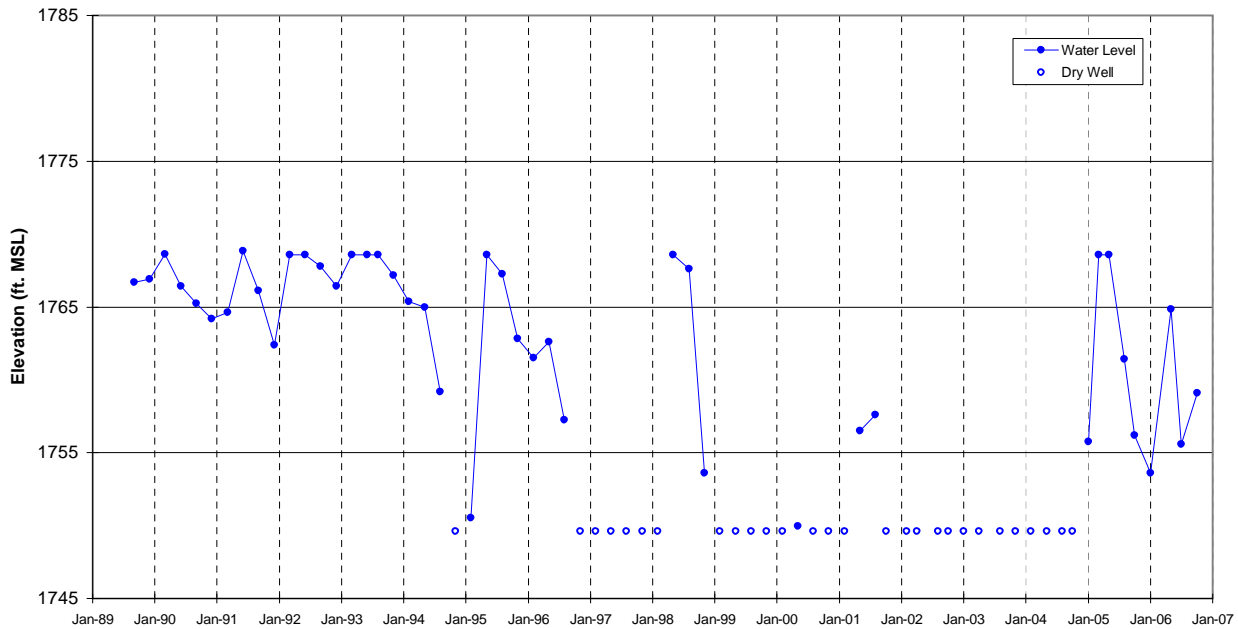
WATER LEVEL HYDROGRAPH
Shallow Well RS-25
Figure A-36

Dry well elevations were corrected in January 2007.

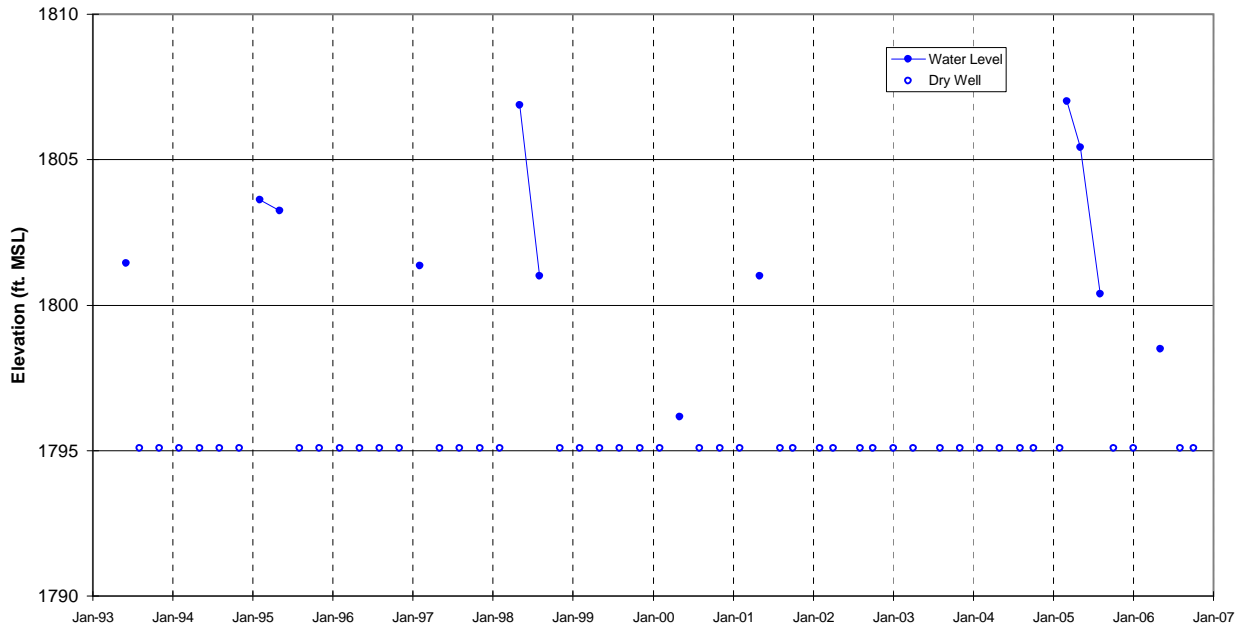


WATER LEVEL HYDROGRAPH
Shallow Well RS-27
Figure A-37

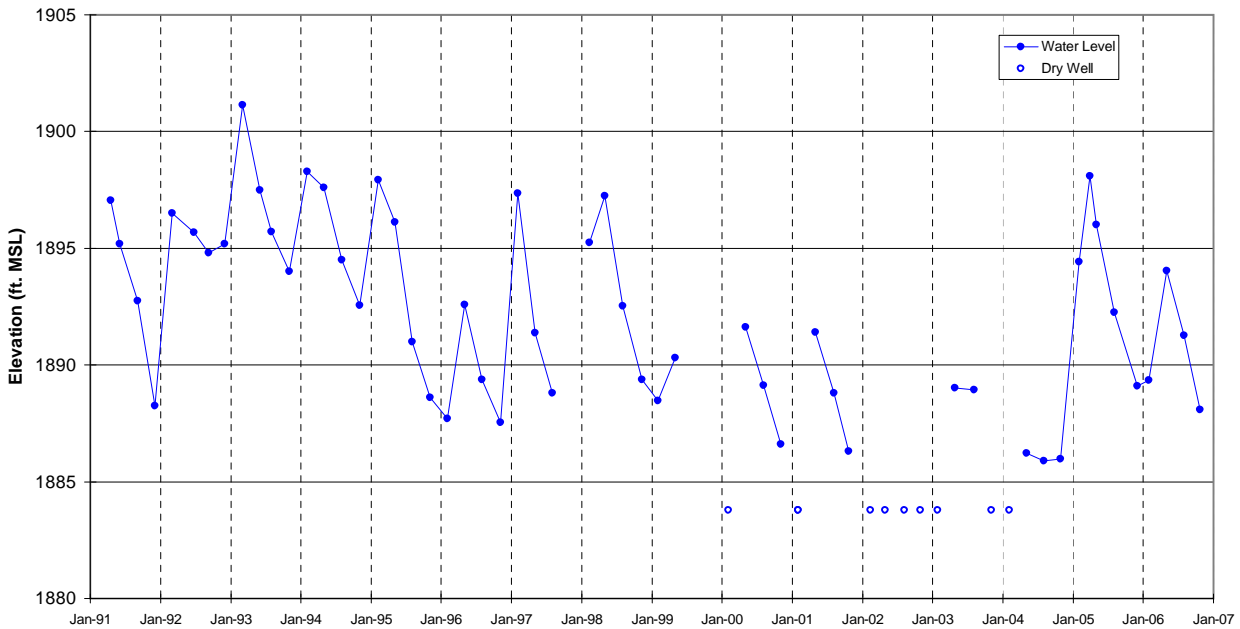
Dry well elevations were corrected in January 2007.



WATER LEVEL HYDROGRAPH
Shallow Well RS-28
Figure A-38

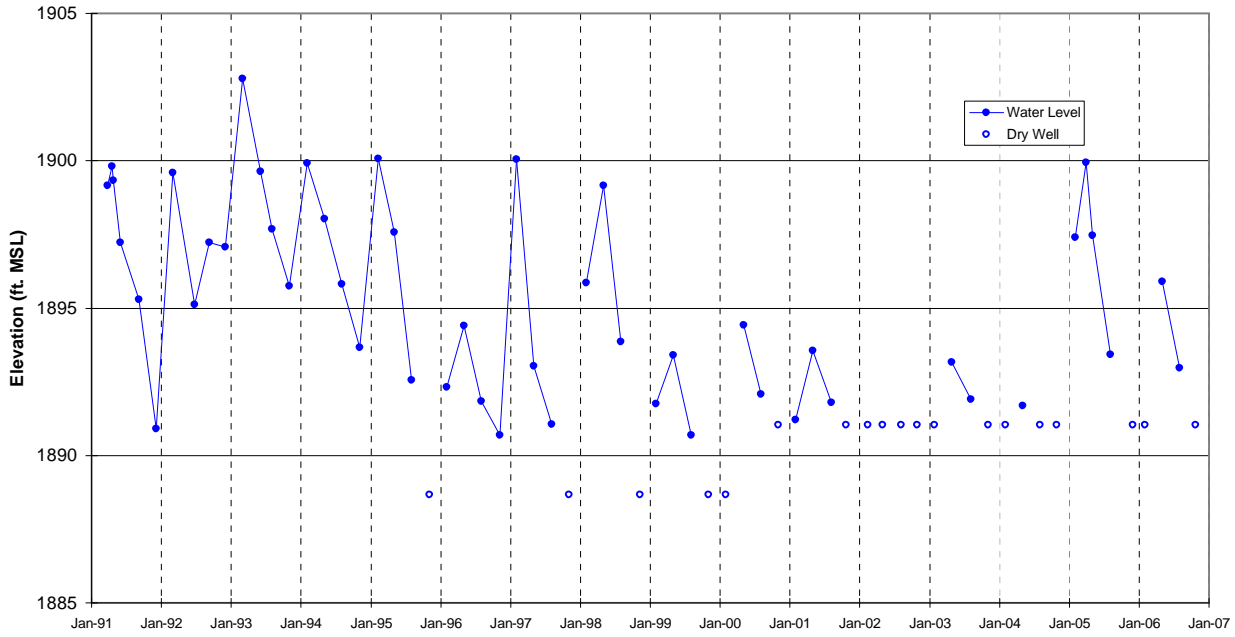


WATER LEVEL HYDROGRAPH
Shallow Well RS-29
Figure A-39

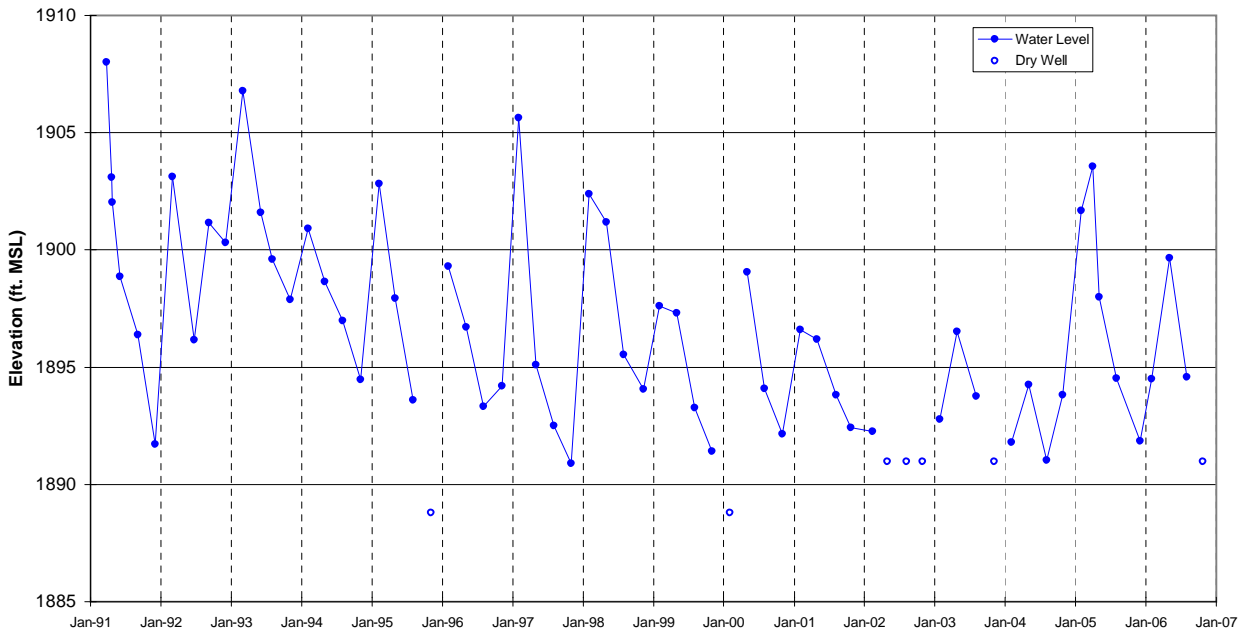


WATER LEVEL HYDROGRAPH
Shallow Well RS-30
Figure A-40

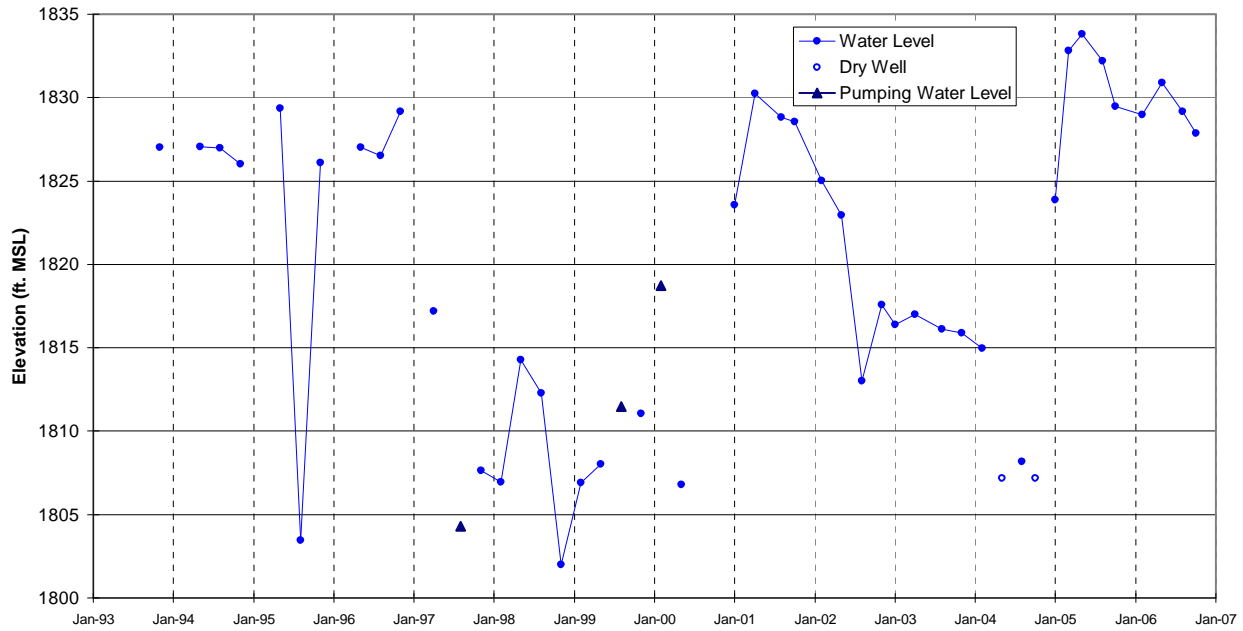
Dry well elevations were corrected in January 2007.



WATER LEVEL HYDROGRAPH
Shallow Well RS-31
Figure A-41

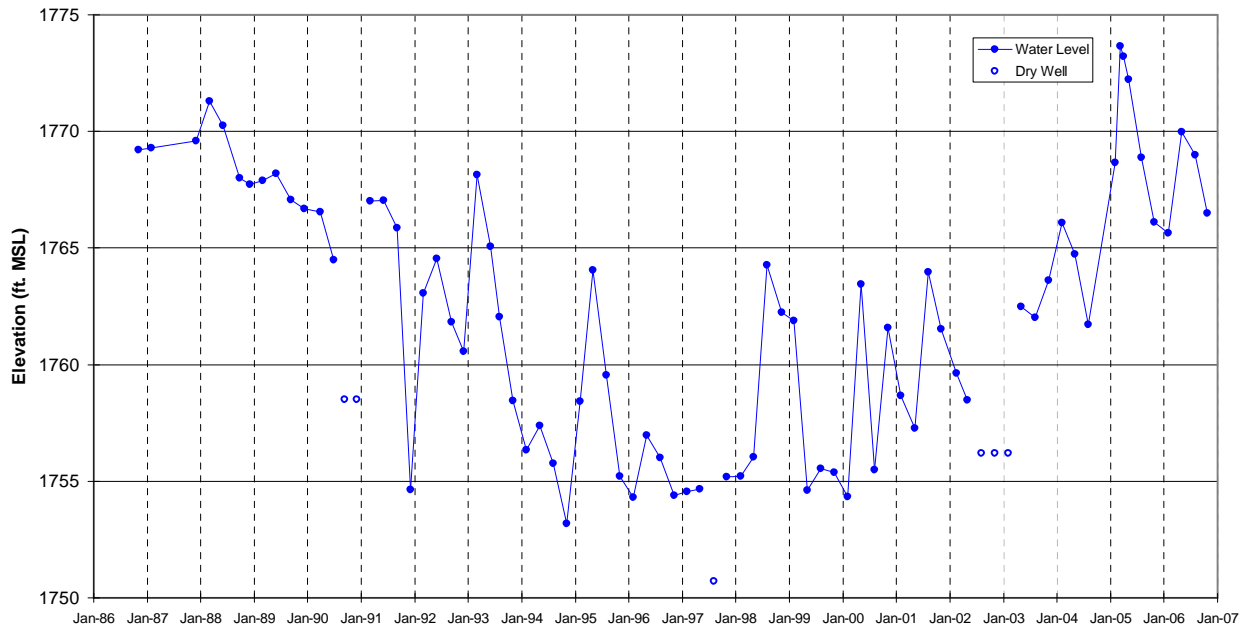


WATER LEVEL HYDROGRAPH
Shallow Well RS-32
Figure A-42

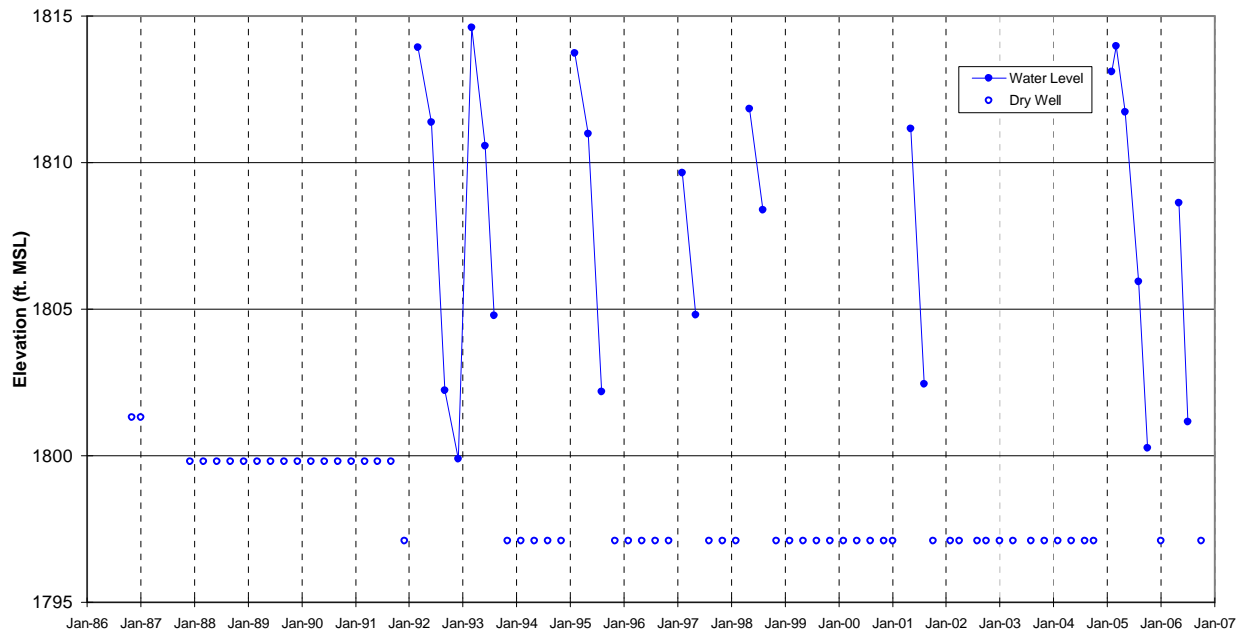


WATER LEVEL HYDROGRAPH
Shallow Well RS-54
Figure A-43

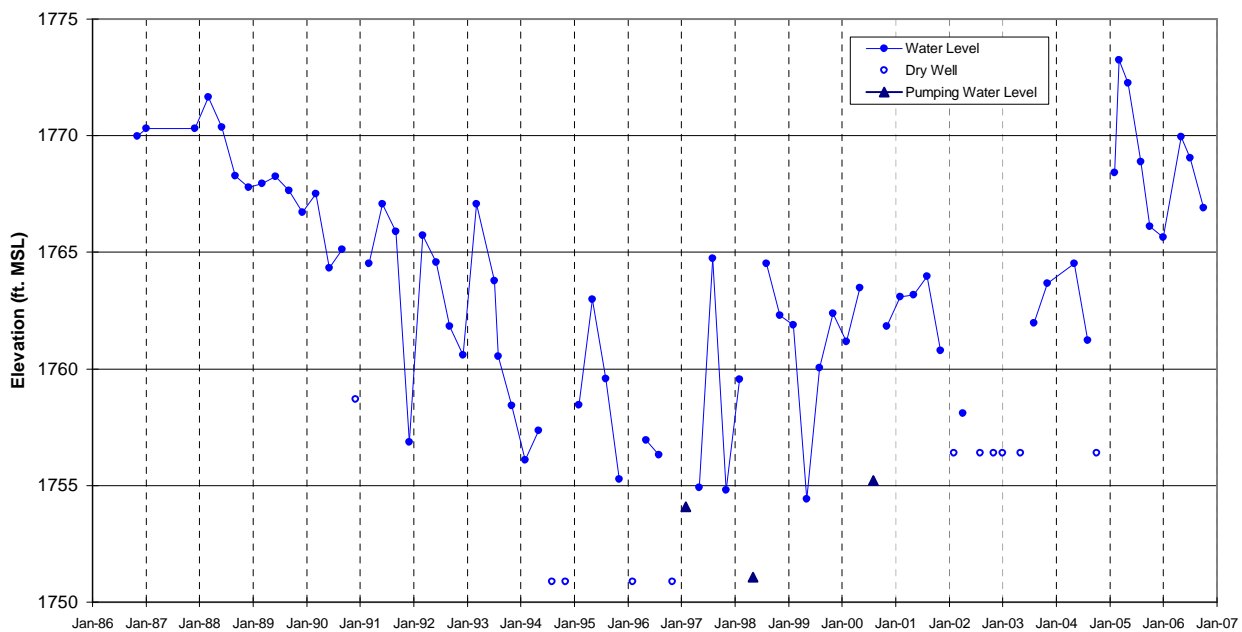
Dry well elevations were corrected in January 2007.



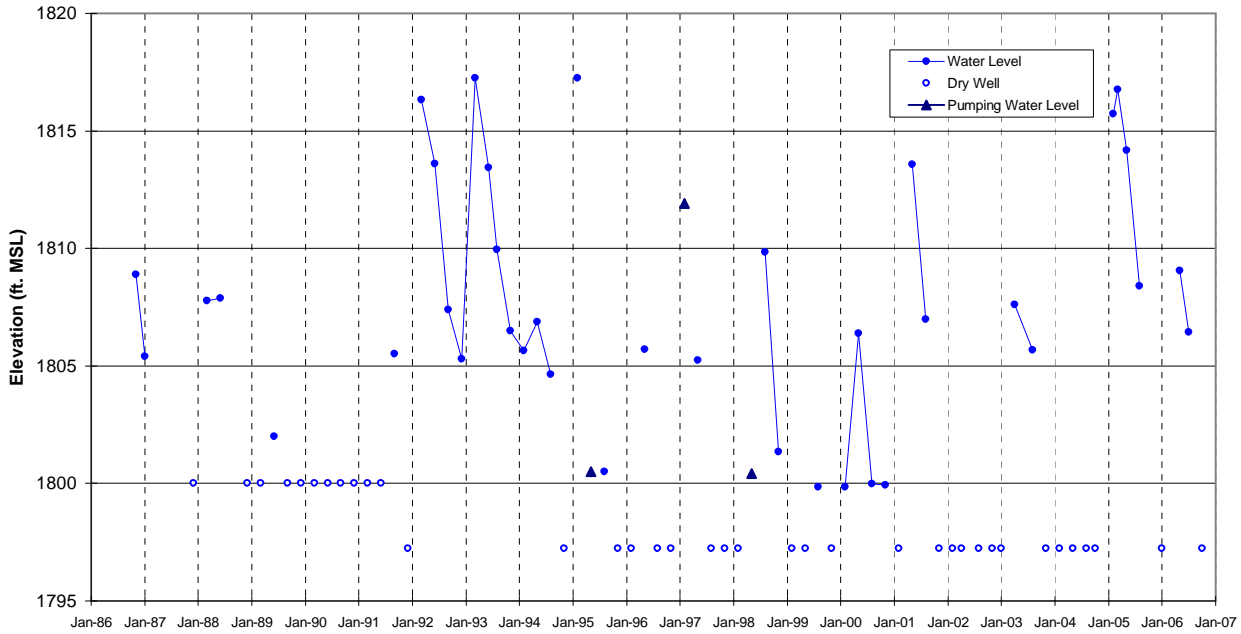
WATER LEVEL HYDROGRAPH
Shallow Well ES-01
Figure A-44



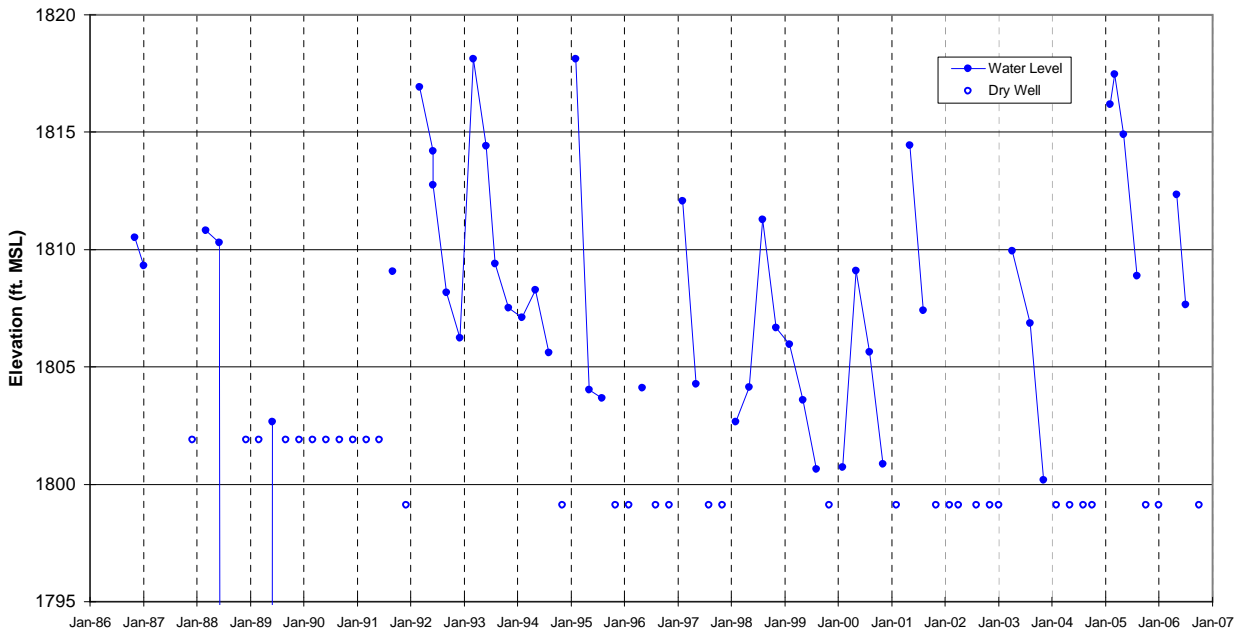
WATER LEVEL HYDROGRAPH
 Shallow Well ES-02
Figure A-45



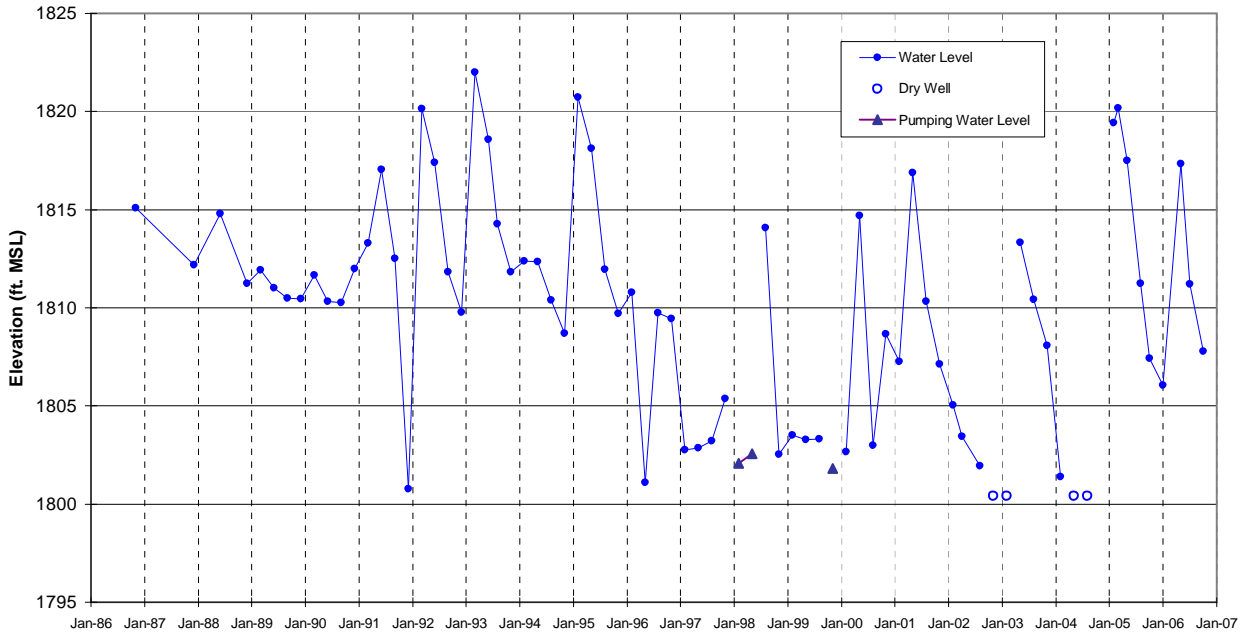
WATER LEVEL HYDROGRAPH
 Shallow Well ES-03
Figure A-46



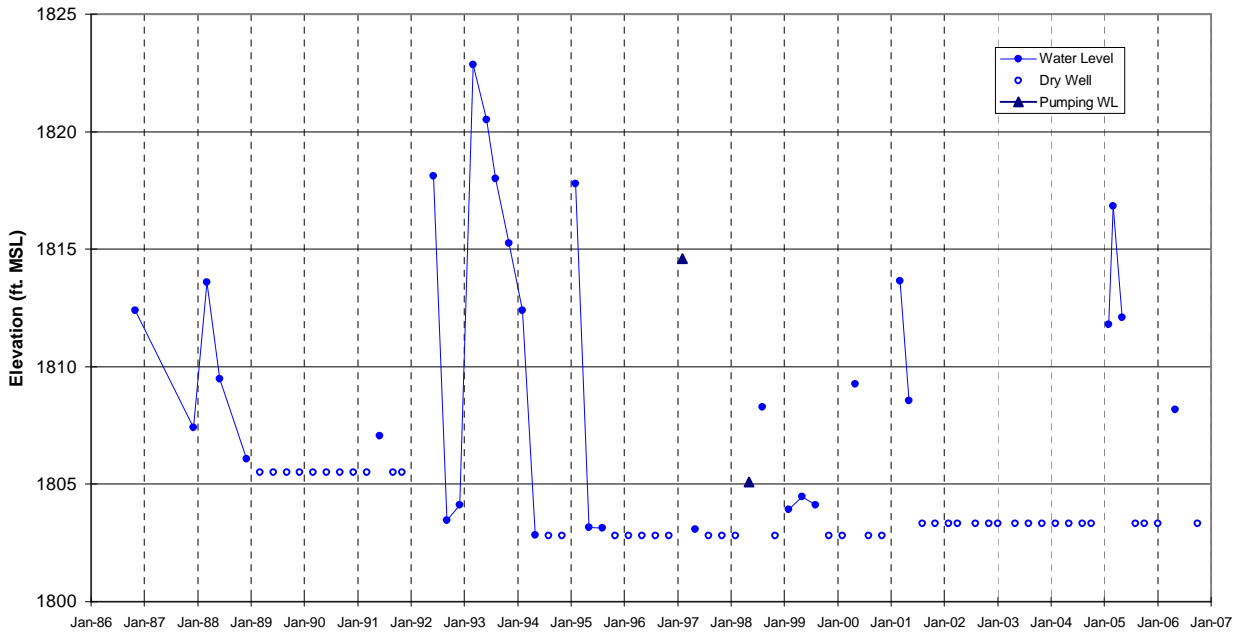
WATER LEVEL HYDROGRAPH
Shallow Well ES-04
Figure A-47



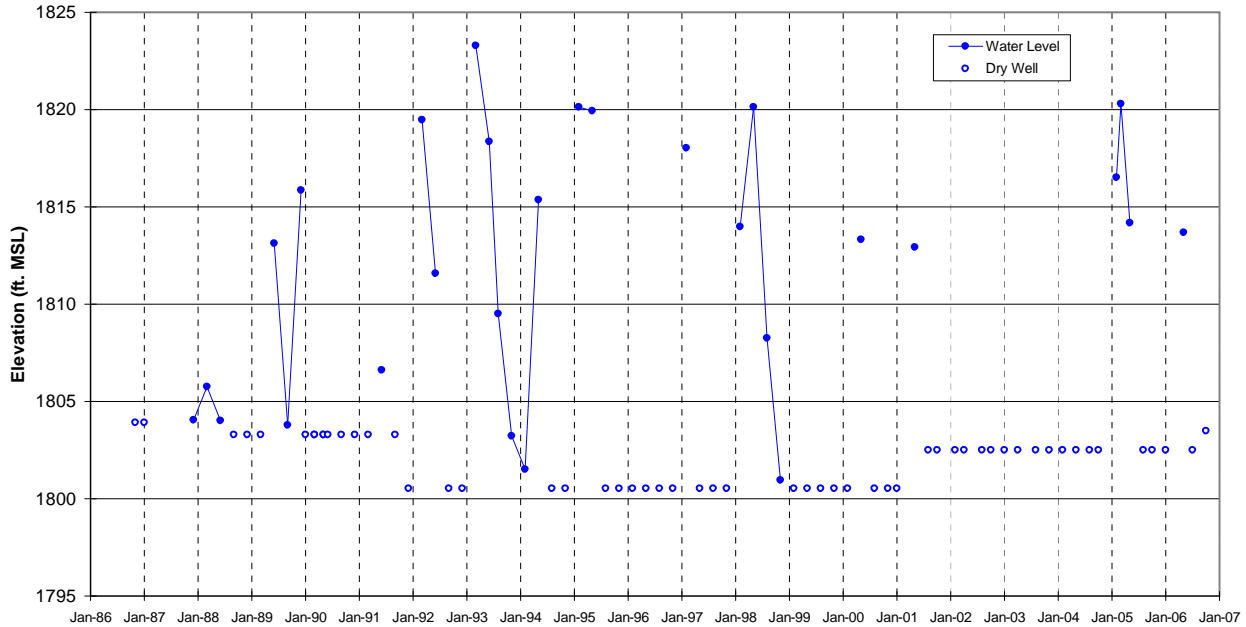
WATER LEVEL HYDROGRAPH
Shallow Well ES-05
Figure A-48



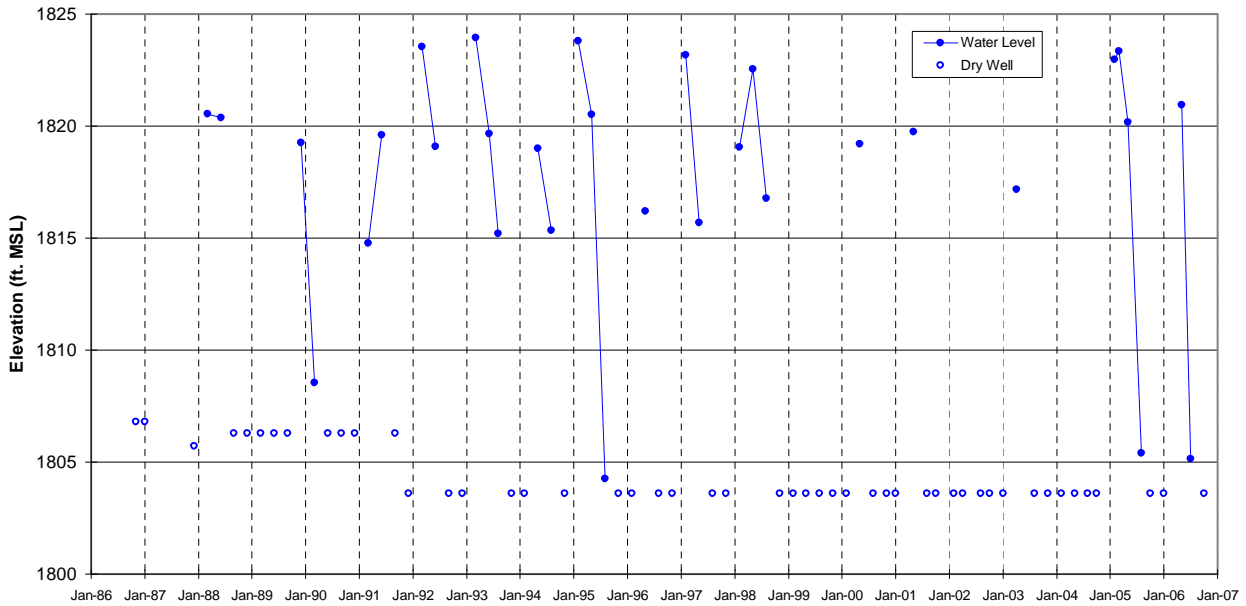
WATER LEVEL HYDROGRAPH
Shallow Well ES-06
Figure A-49



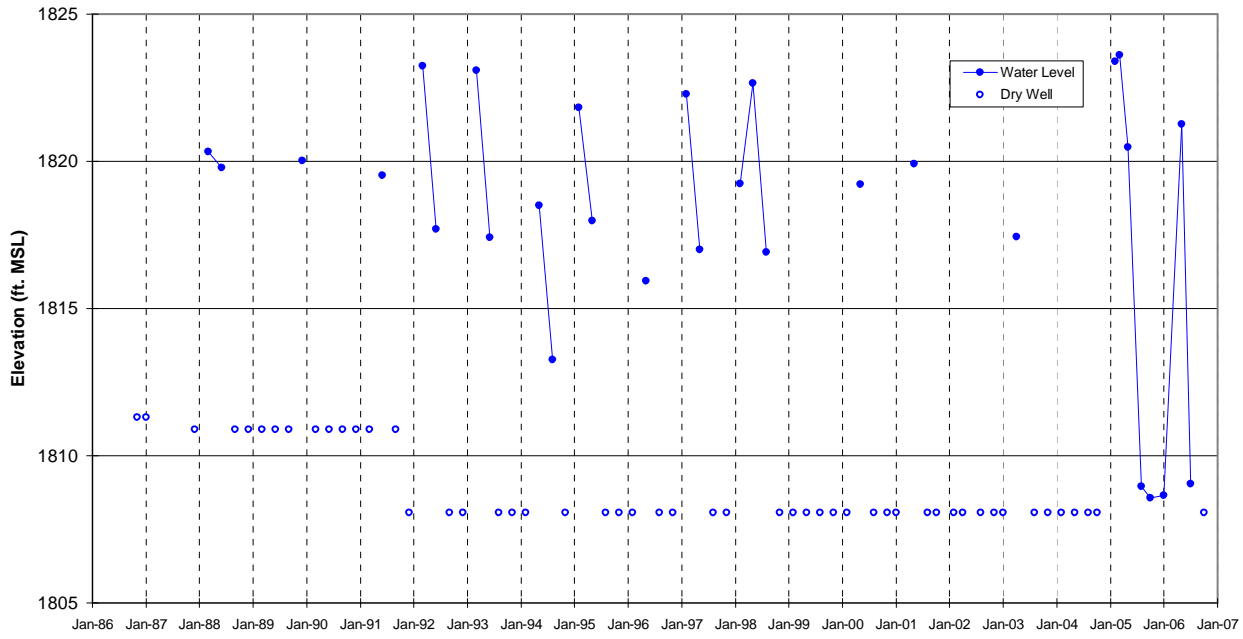
WATER LEVEL HYDROGRAPH
Shallow Well ES-07
Figure A-50



WATER LEVEL HYDROGRAPH
Shallow Well ES-08
Figure A-51

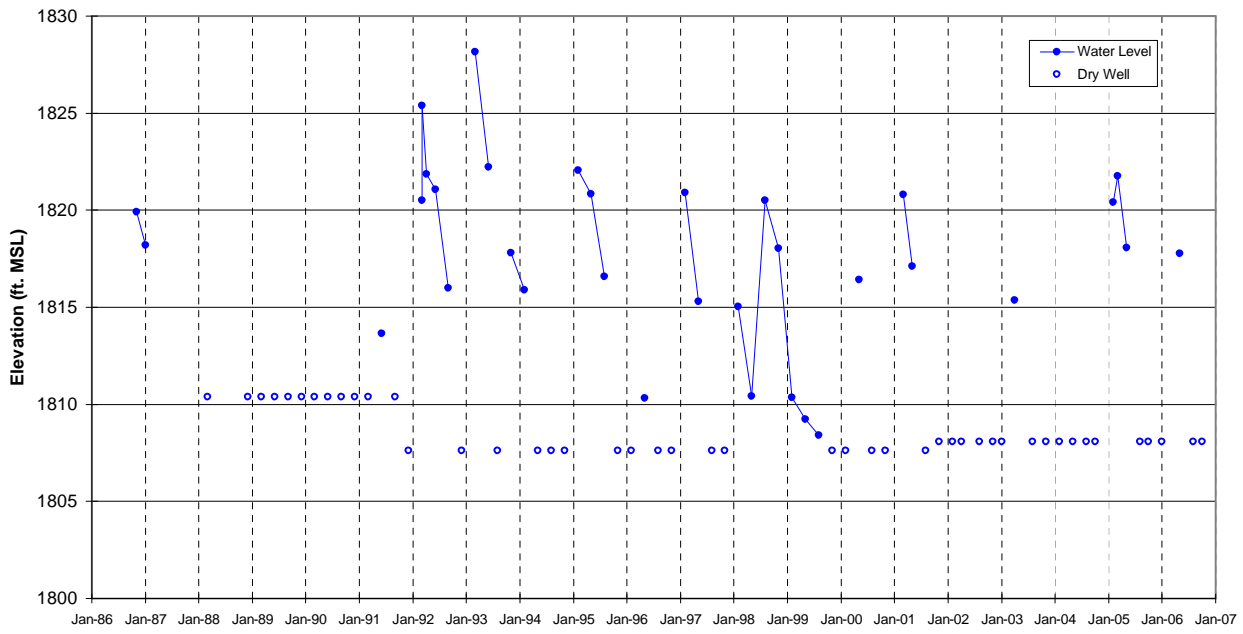


WATER LEVEL HYDROGRAPH
Shallow Well ES-09
Figure A-52

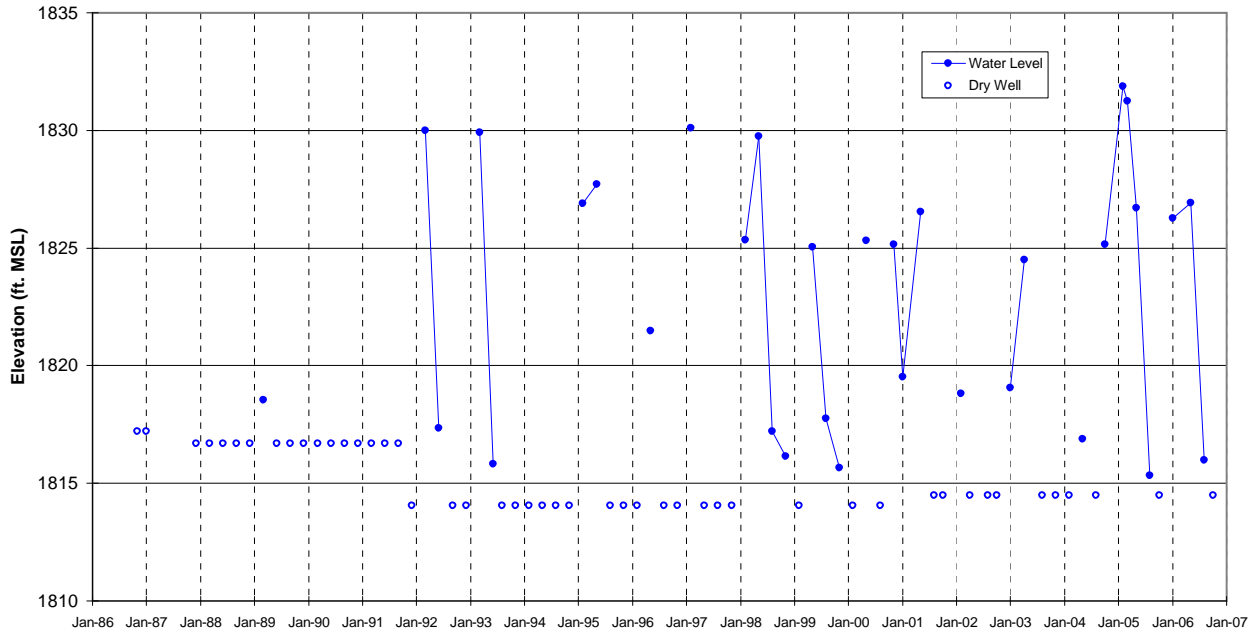


WATER LEVEL HYDROGRAPH
Shallow Well ES-10
Figure A-53

Dry well elevations were corrected in January 2007.

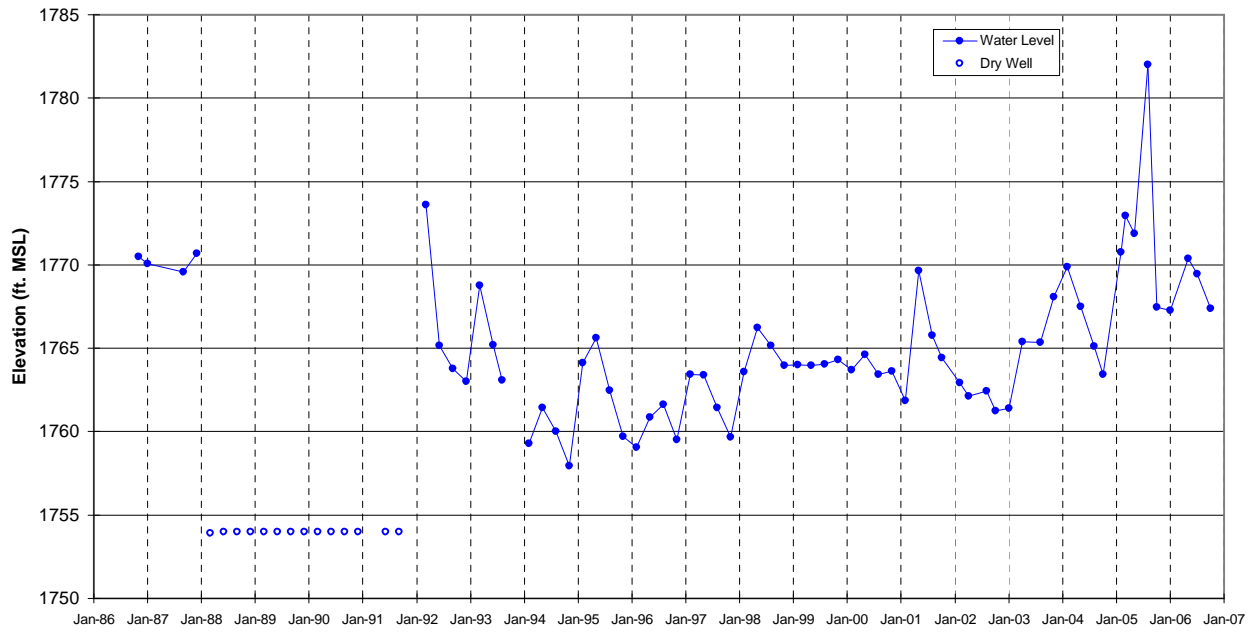


WATER LEVEL HYDROGRAPH
Shallow Well ES-11
Figure A-54

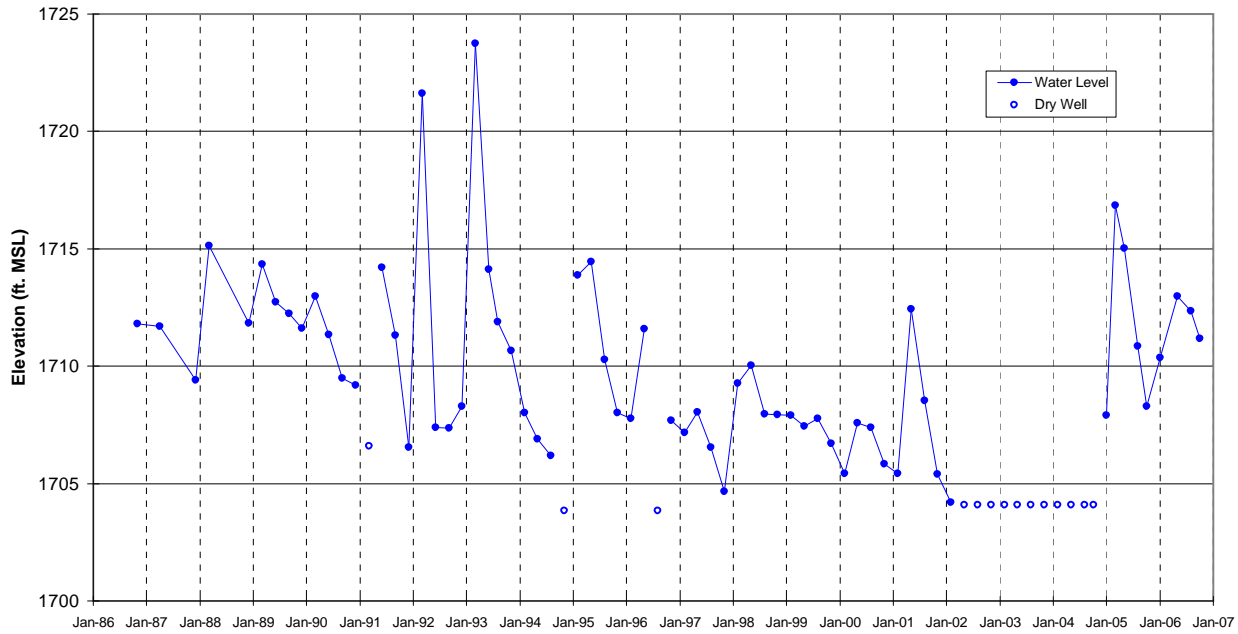


WATER LEVEL HYDROGRAPH
Shallow Well ES-12
Figure A-55

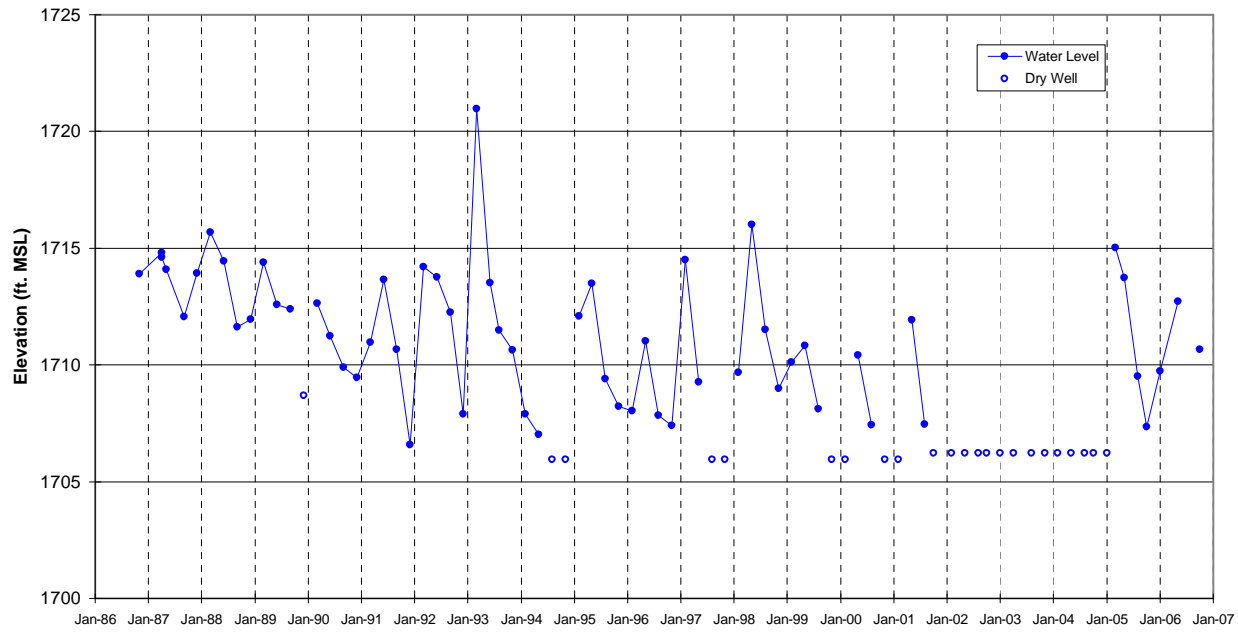
Dry well elevations were corrected in January 2007.



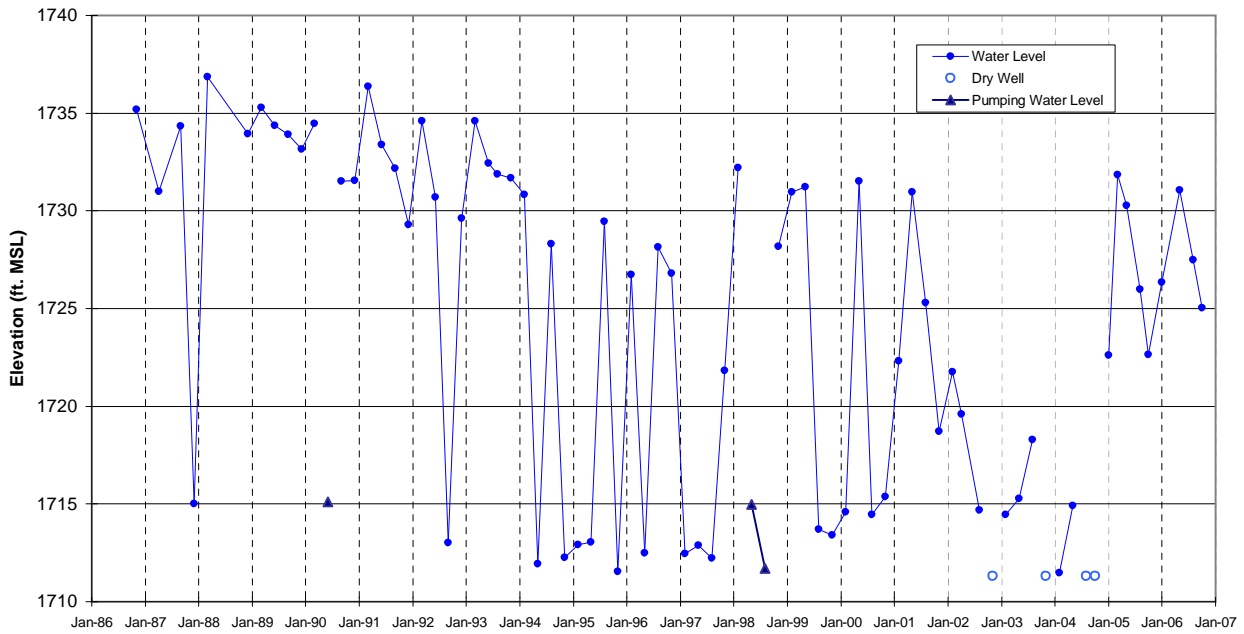
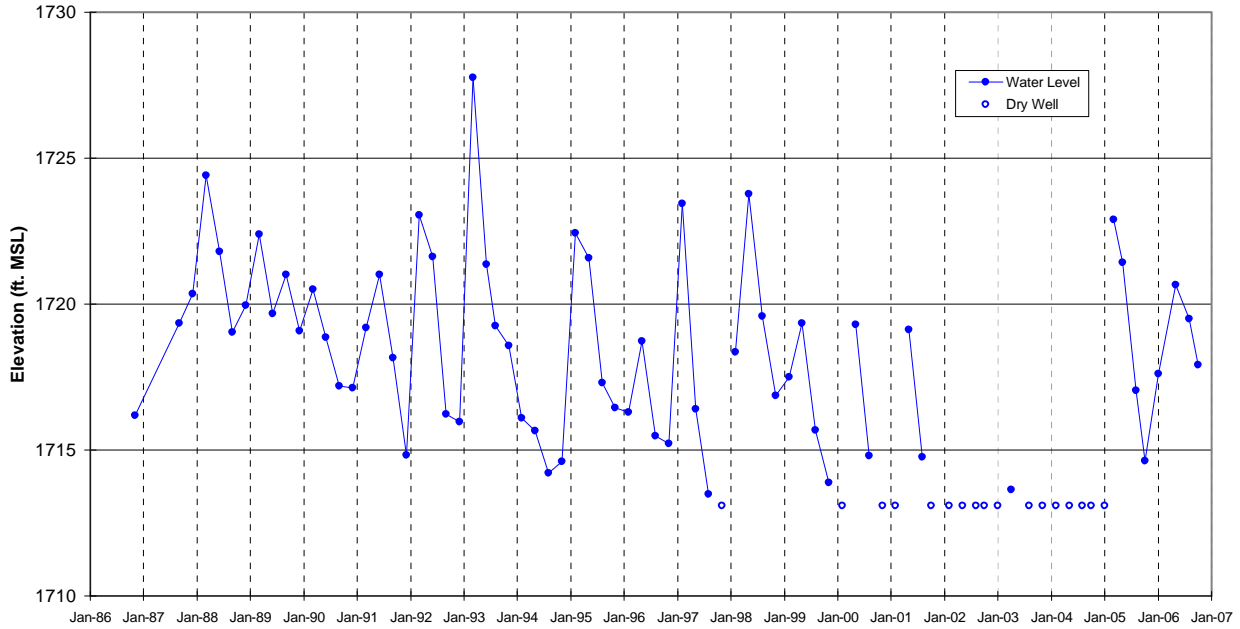
WATER LEVEL HYDROGRAPH
Shallow Well ES-13
Figure A-56

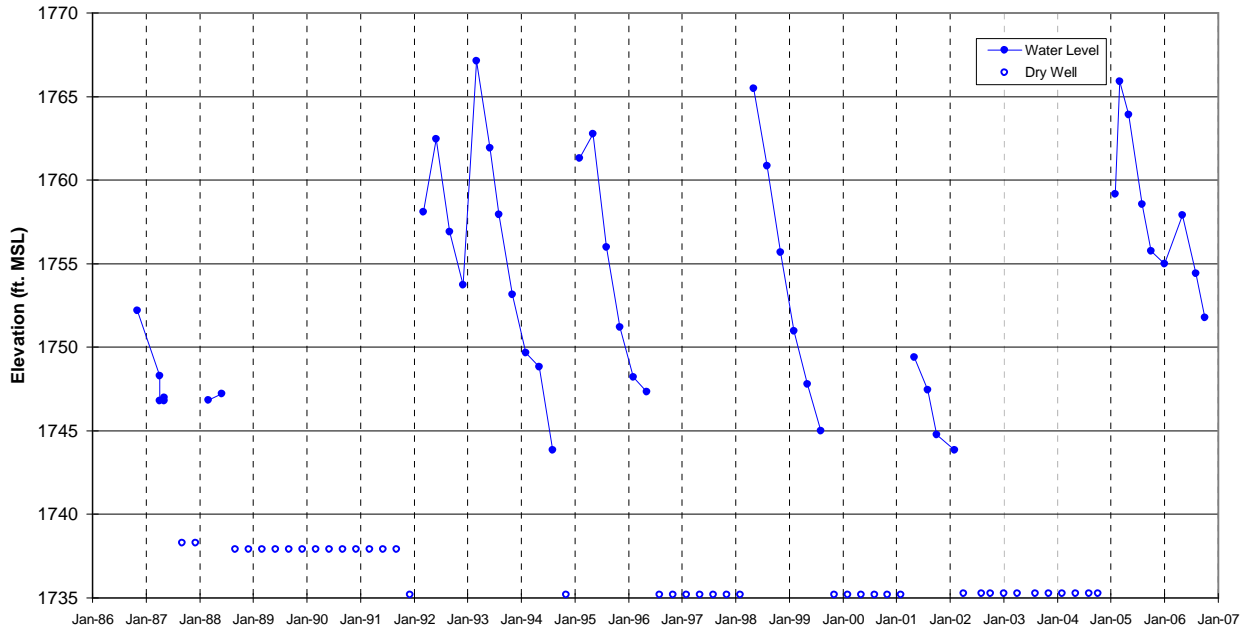


WATER LEVEL HYDROGRAPH
 Shallow Well ES-14
Figure A-57

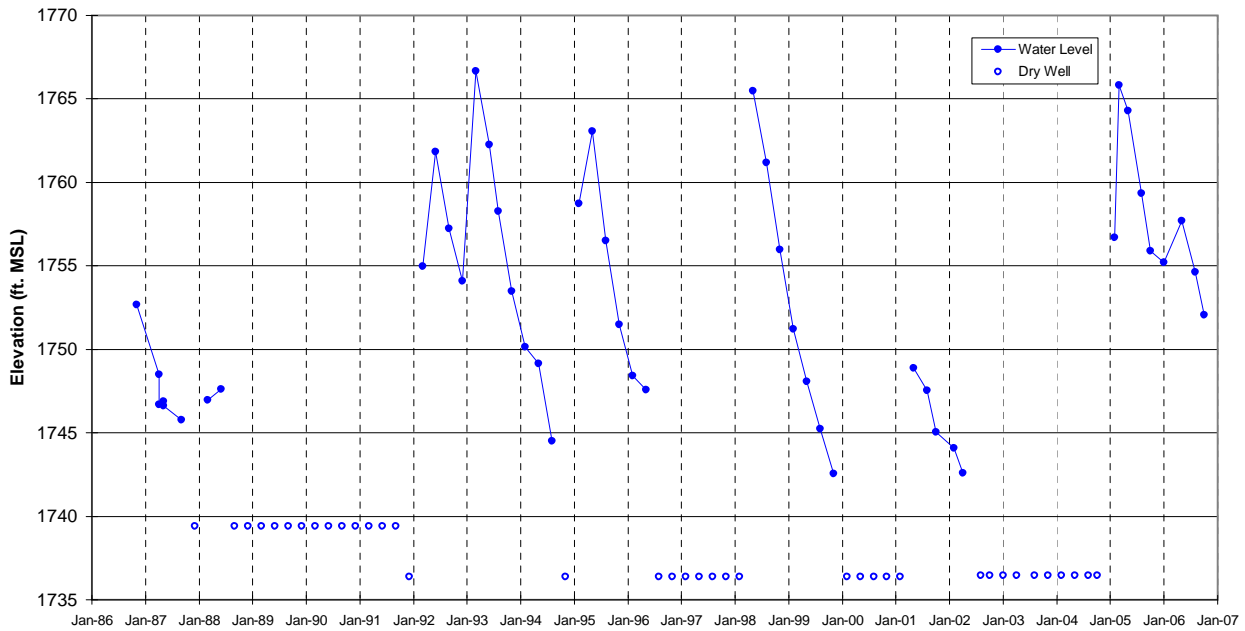


WATER LEVEL HYDROGRAPH
 Shallow Well ES-15
Figure A-58

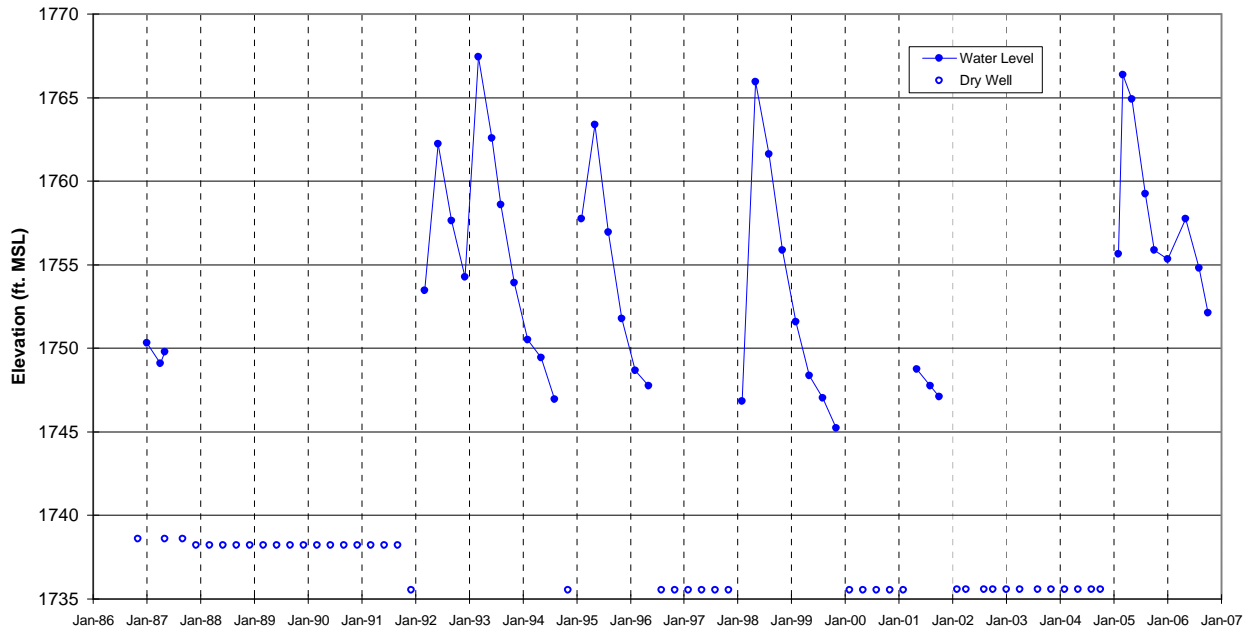




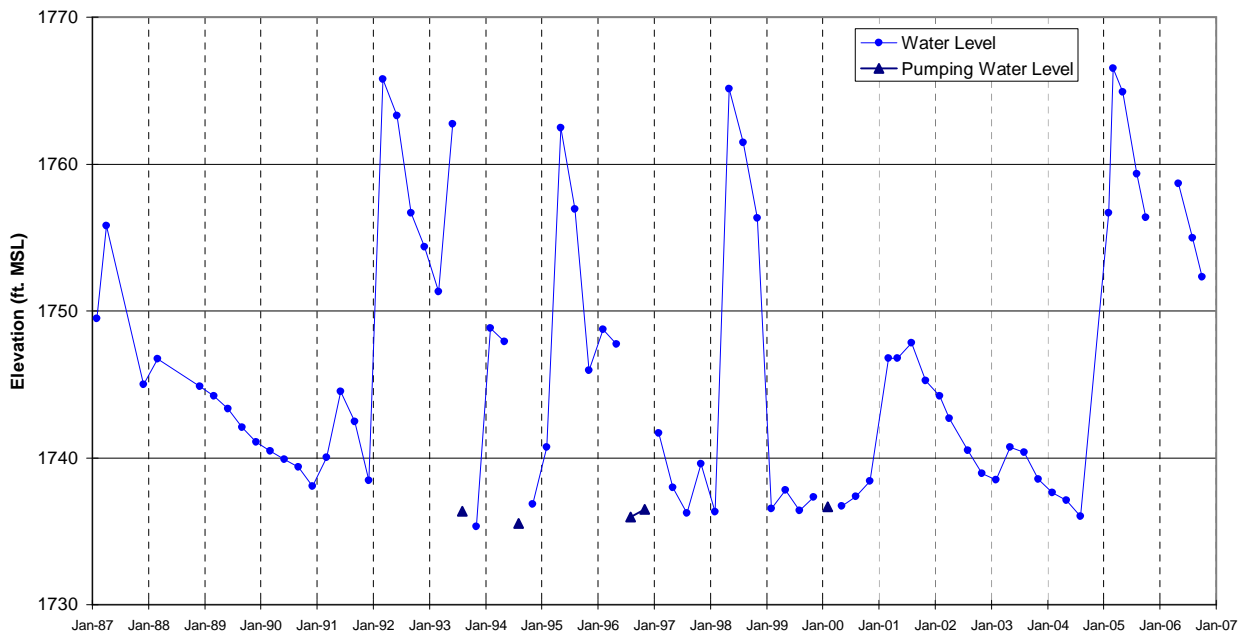
WATER LEVEL HYDROGRAPH
Shallow Well ES-18
Figure A-61



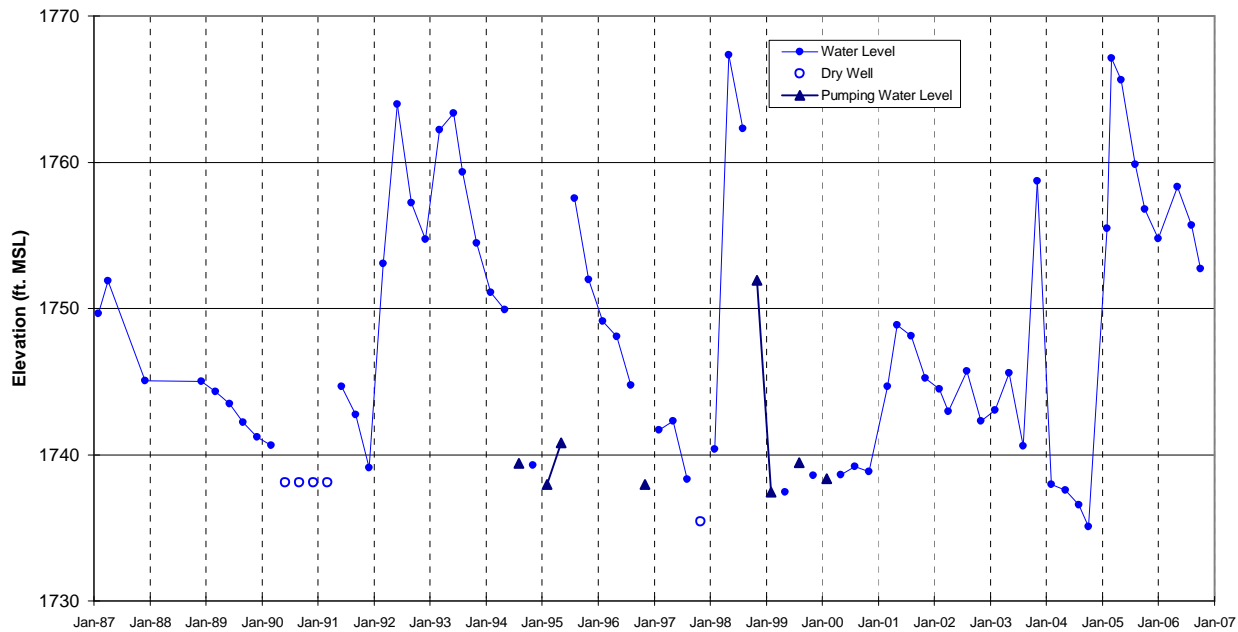
WATER LEVEL HYDROGRAPH
Shallow Well ES-19
Figure A-62



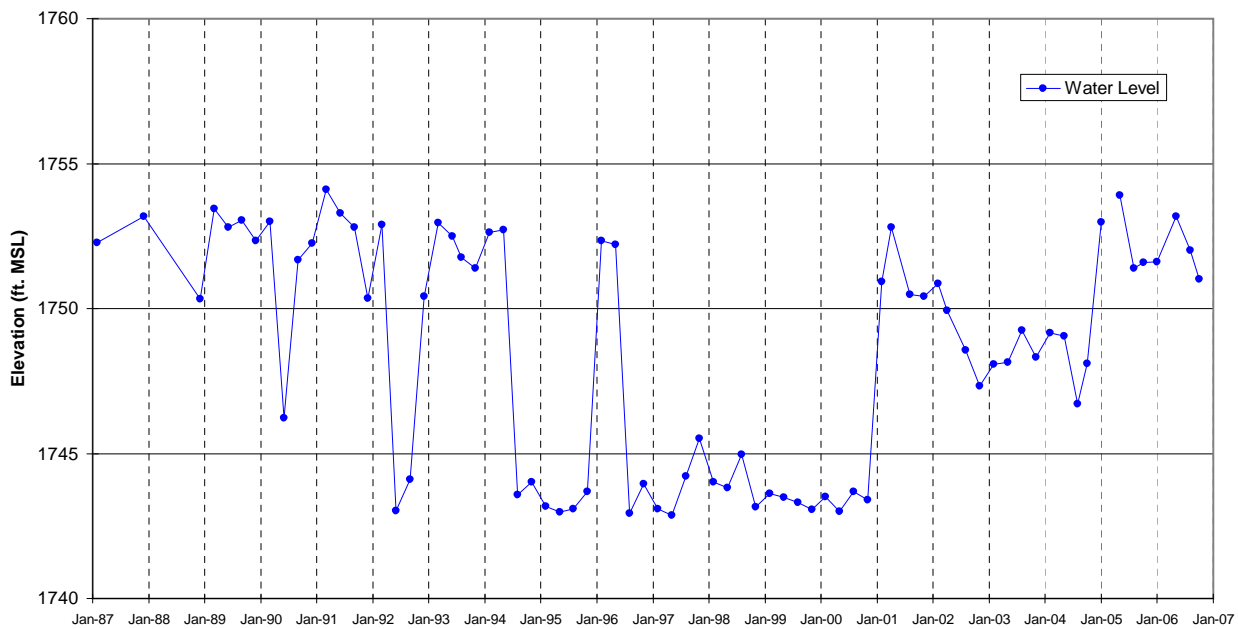
WATER LEVEL HYDROGRAPH
 Shallow Well ES-20
 Figure A-63



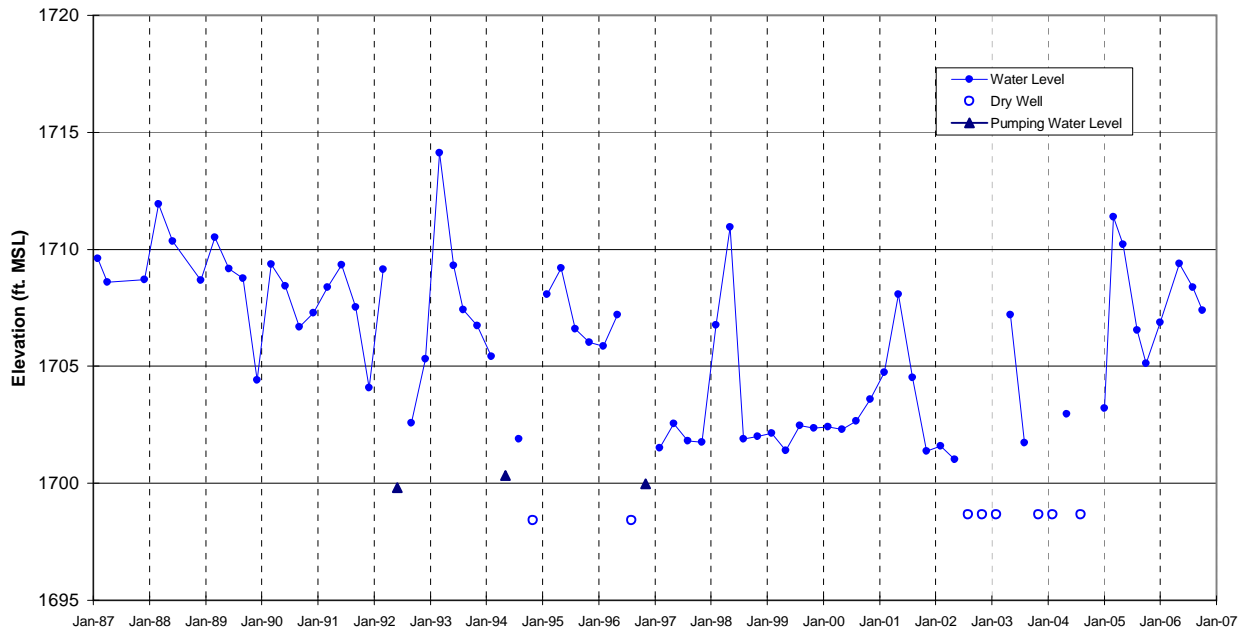
WATER LEVEL HYDROGRAPH
 Shallow Well ES-21
 Figure A-64



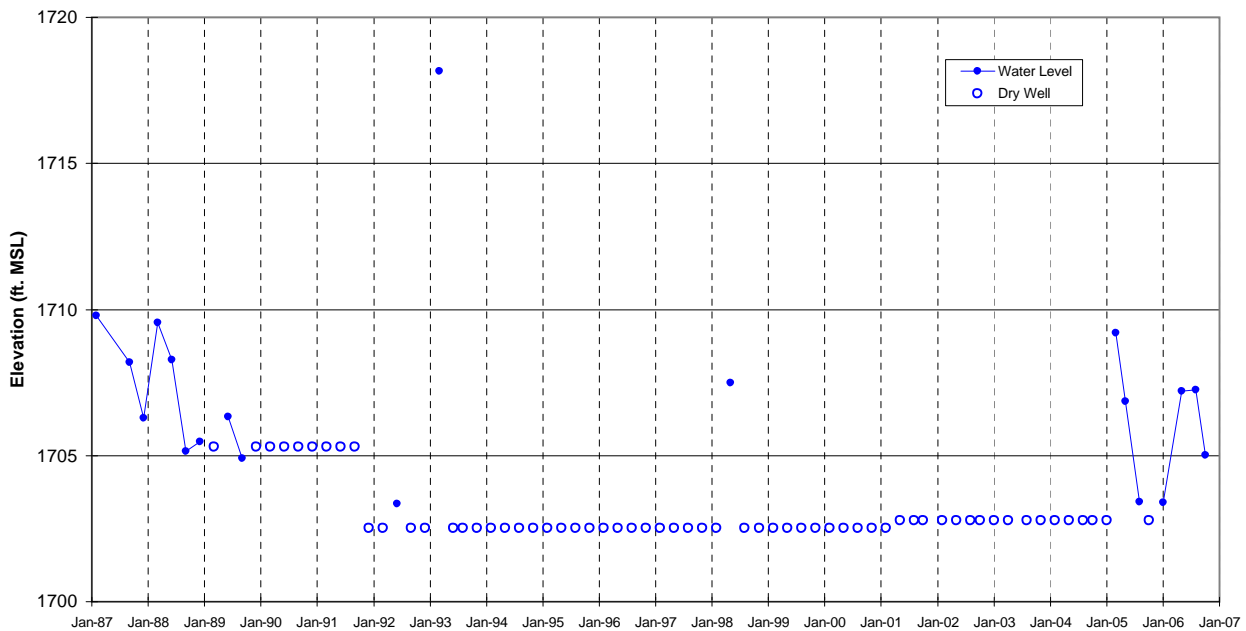
WATER LEVEL HYDROGRAPH
 Shallow Well ES-22
 Figure A-65



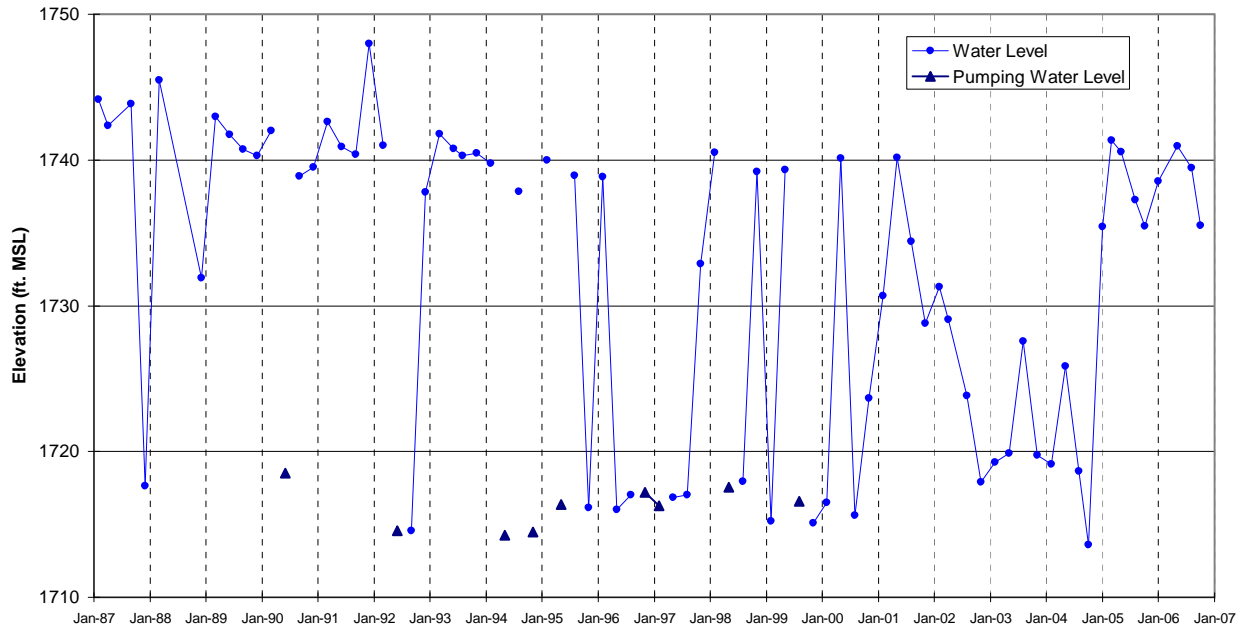
WATER LEVEL HYDROGRAPH
 Shallow Well ES-23
 Figure A-66



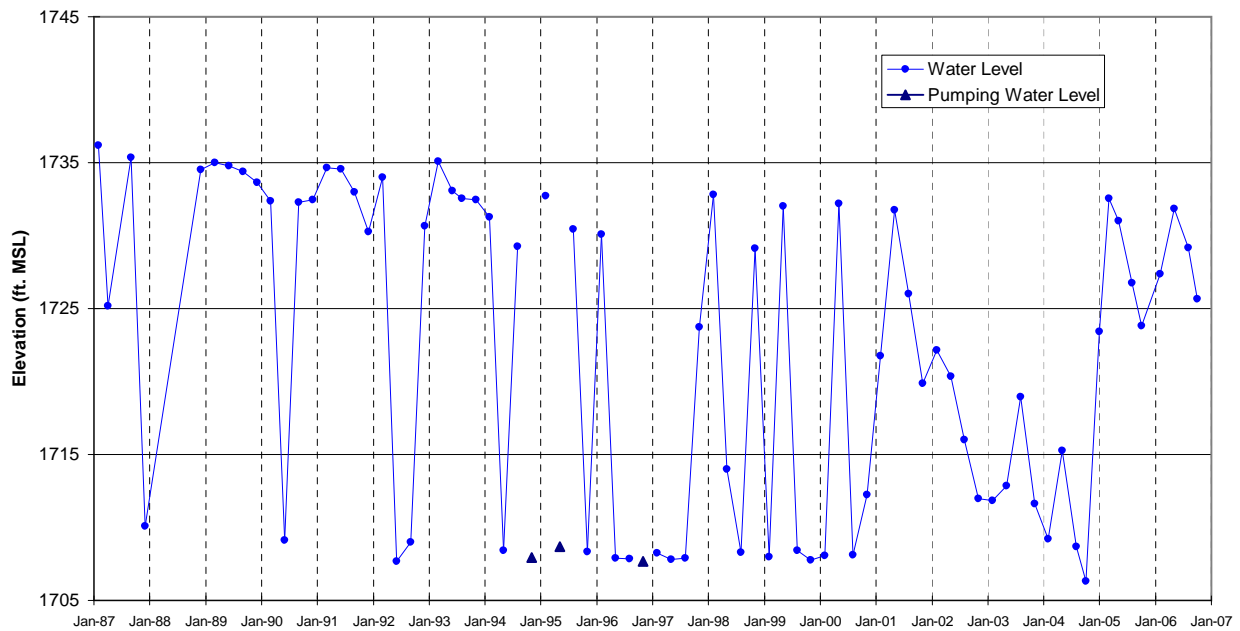
WATER LEVEL HYDROGRAPH
 Shallow Well ES-24
 Figure A-67



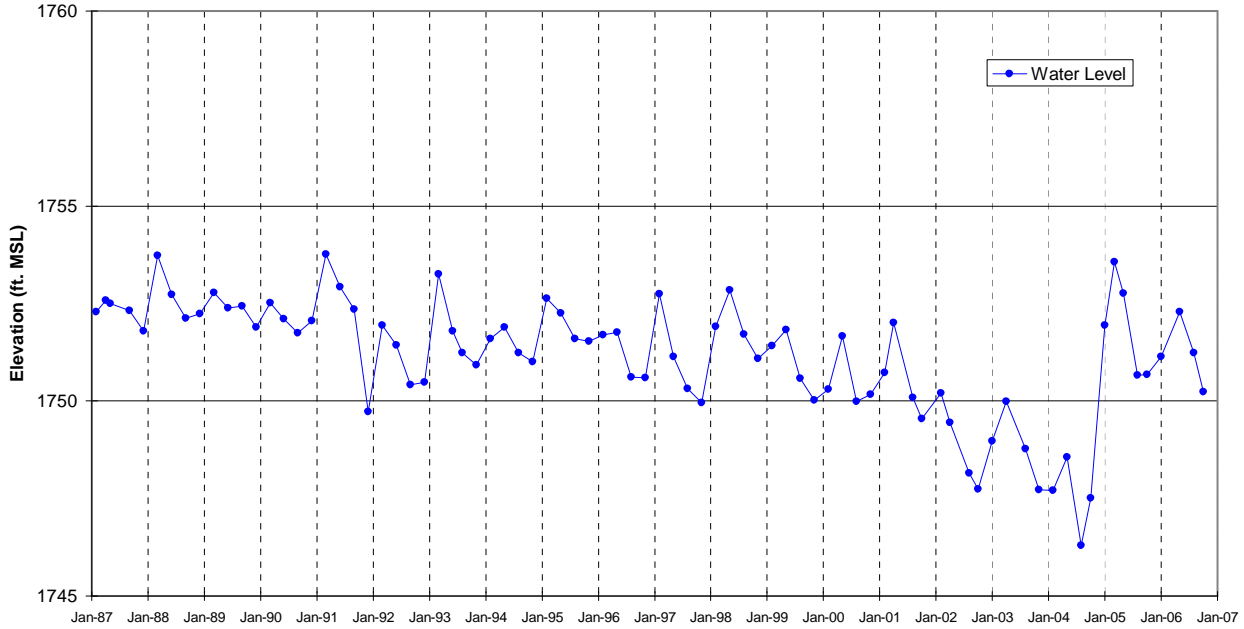
WATER LEVEL HYDROGRAPH
 Shallow Well ES-25
 Figure A-68



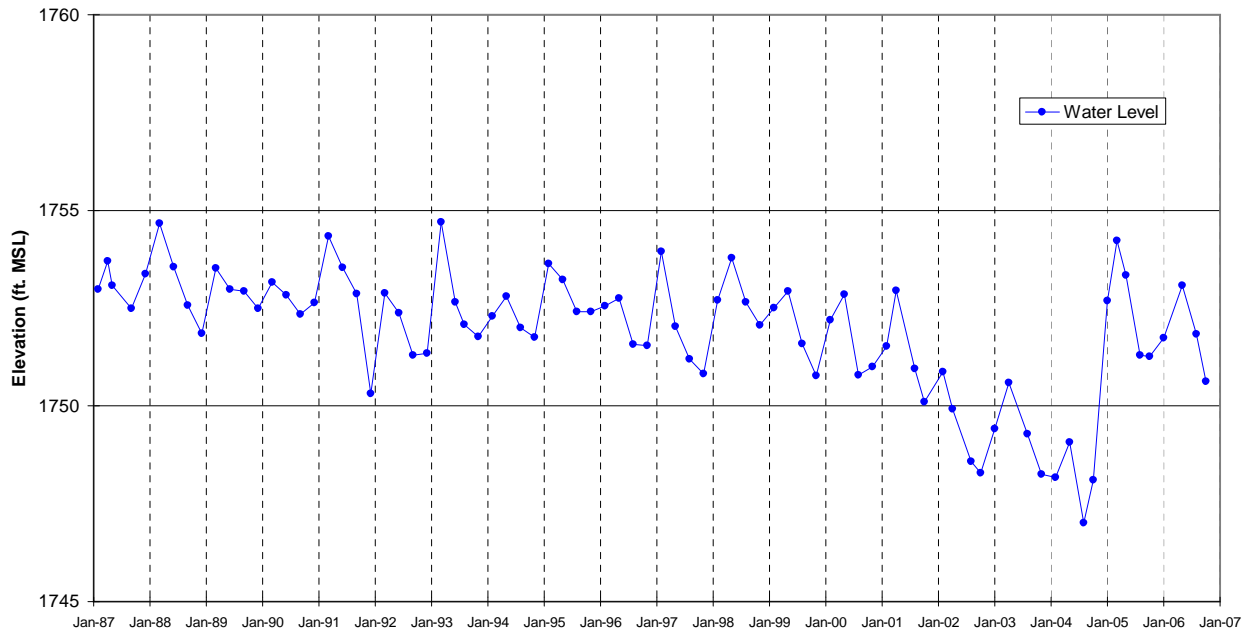
WATER LEVEL HYDROGRAPH
Shallow Well ES-26
Figure A-69



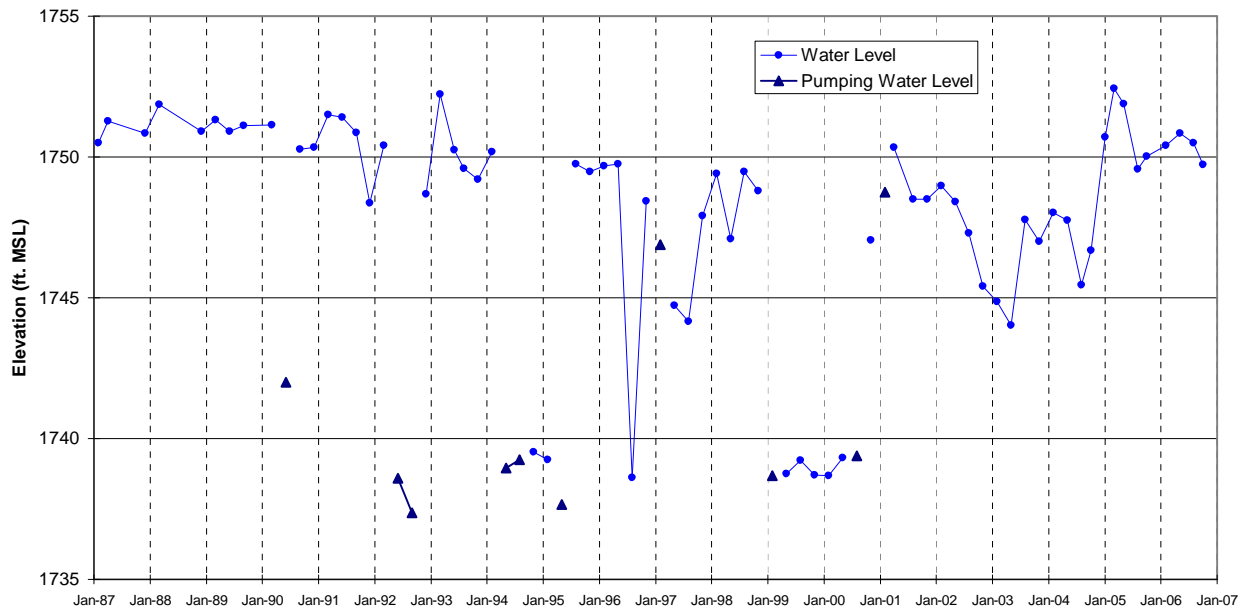
WATER LEVEL HYDROGRAPH
Shallow Well ES-27
Figure A-70



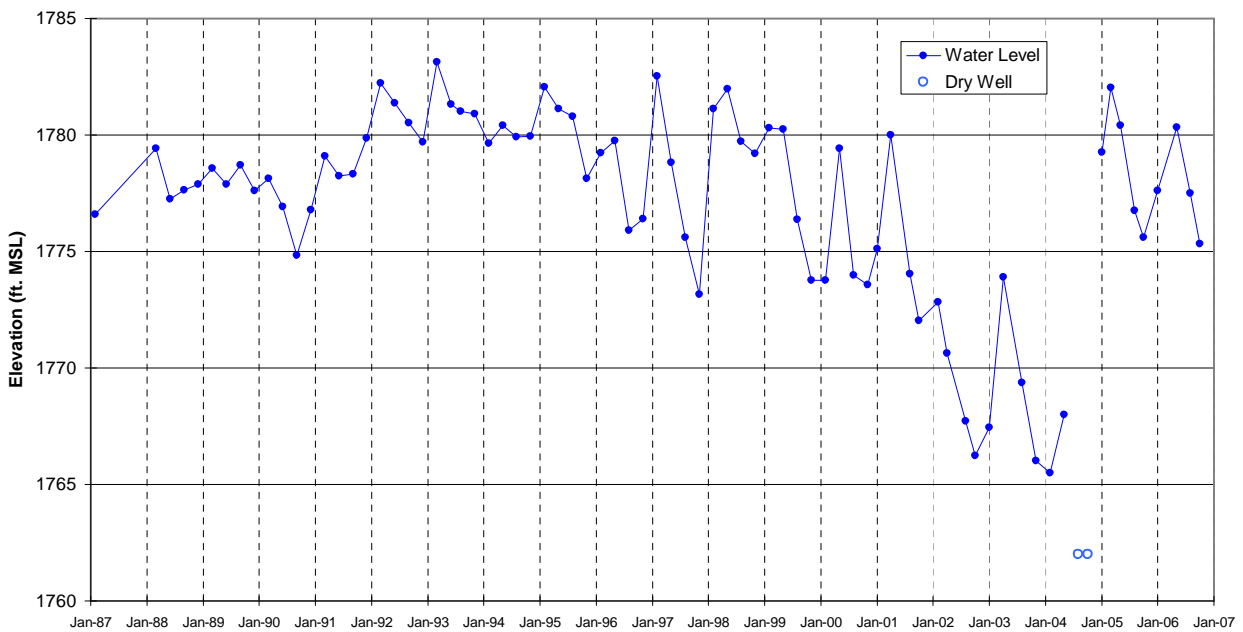
WATER LEVEL HYDROGRAPH
 Shallow Well ES-28
Figure A-71



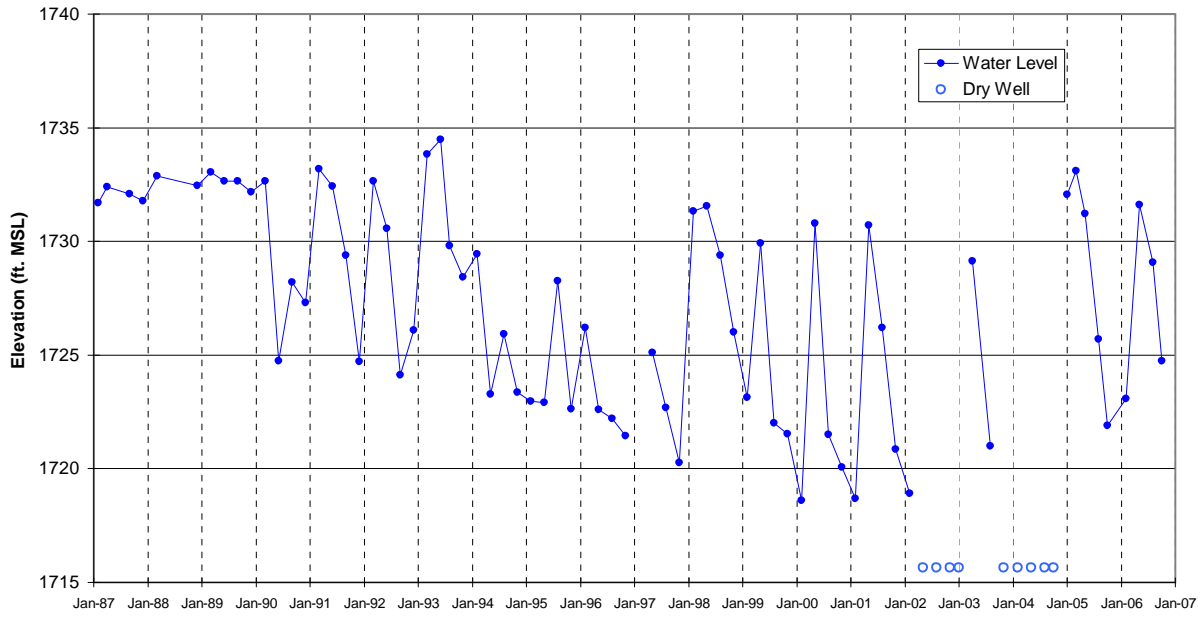
WATER LEVEL HYDROGRAPH
 Shallow Well ES-29
Figure A-72



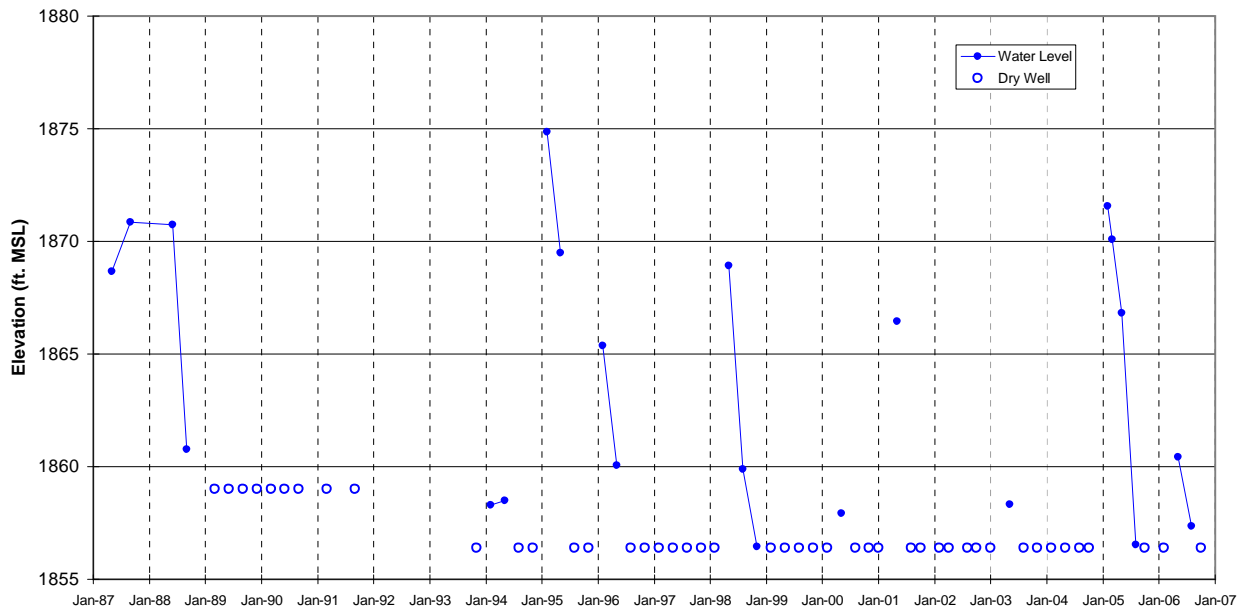
WATER LEVEL HYDROGRAPH
 Shallow Well ES-30
 Figure A-73



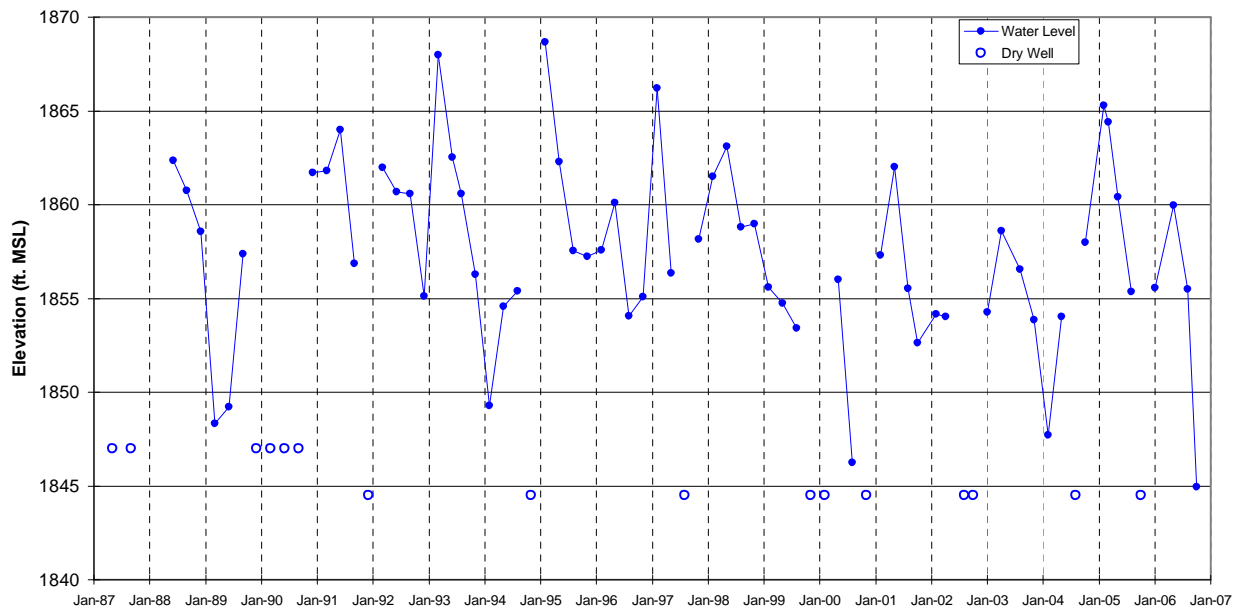
WATER LEVEL HYDROGRAPH
 Shallow Well ES-31
 Figure A-74



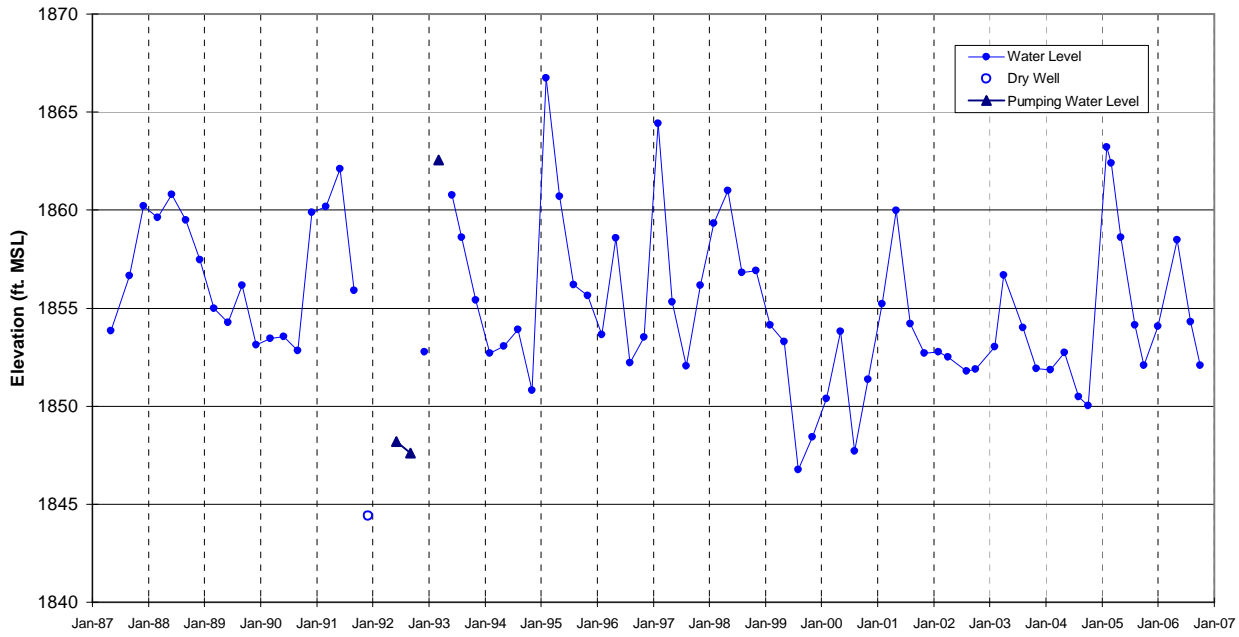
WATER LEVEL HYDROGRAPH
 Shallow Well ES-32
Figure A-75



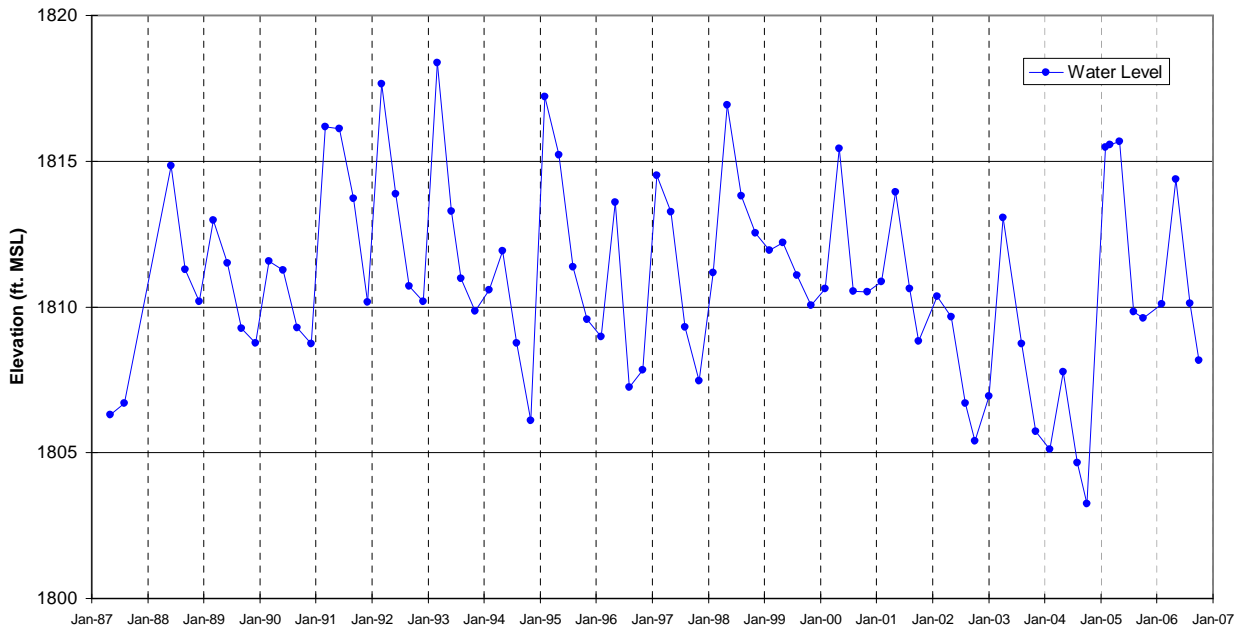
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-02
Figure A-76



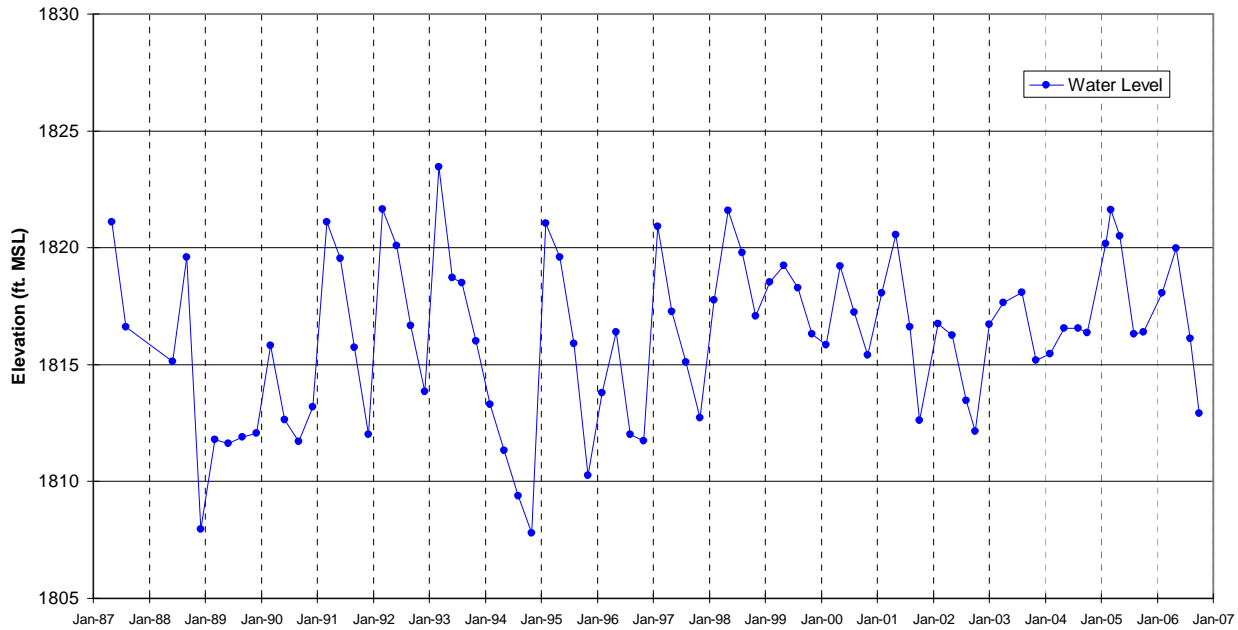
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-03
Figure A-77



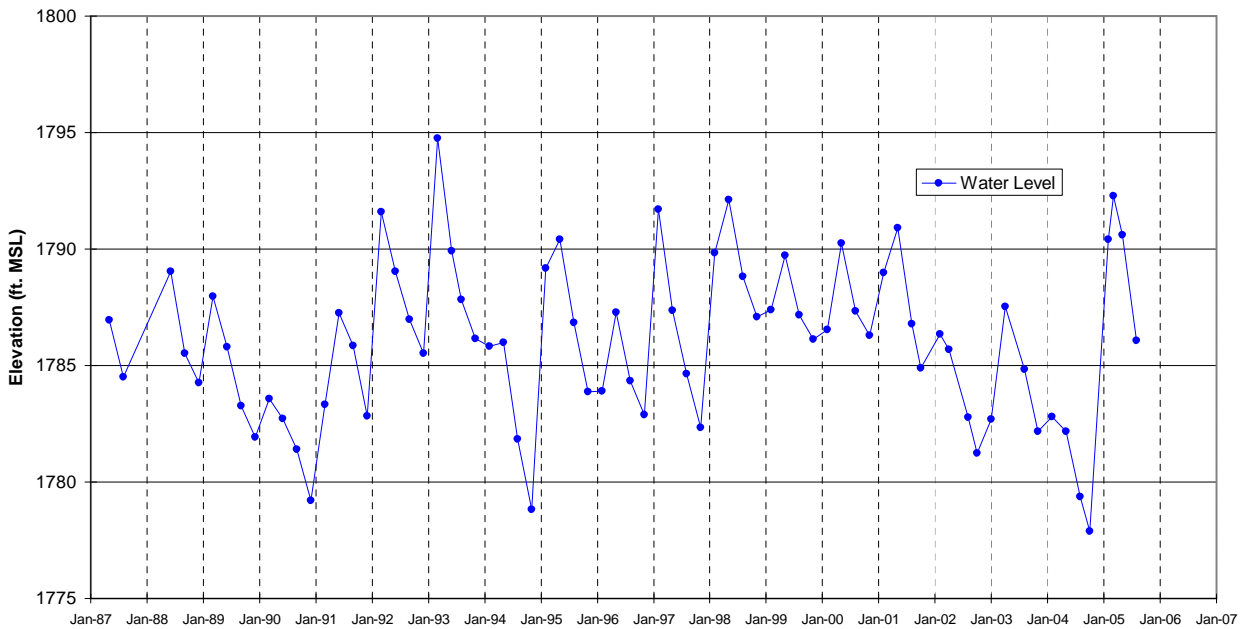
WATER LEVEL HYDROGRAPH
Shallow Well HAR-04
Figure A-78



WATER LEVEL HYDROGRAPH
Shallow Well HAR-09
Figure A-79

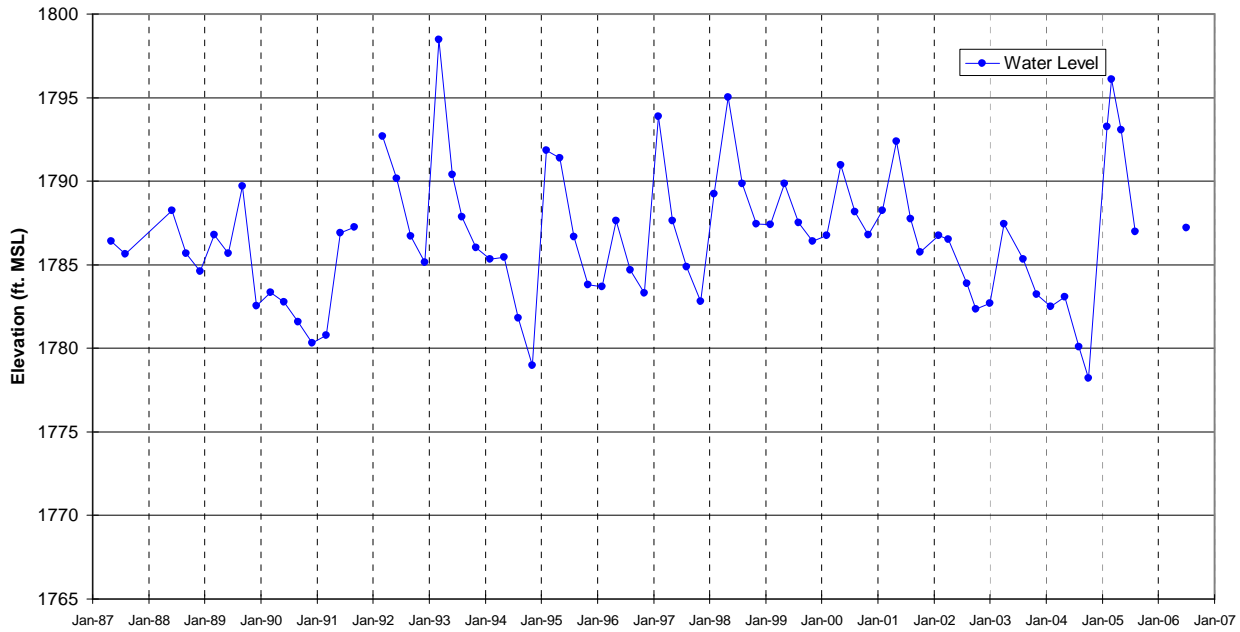


WATER LEVEL HYDROGRAPH
Shallow Well HAR-11
Figure A-80

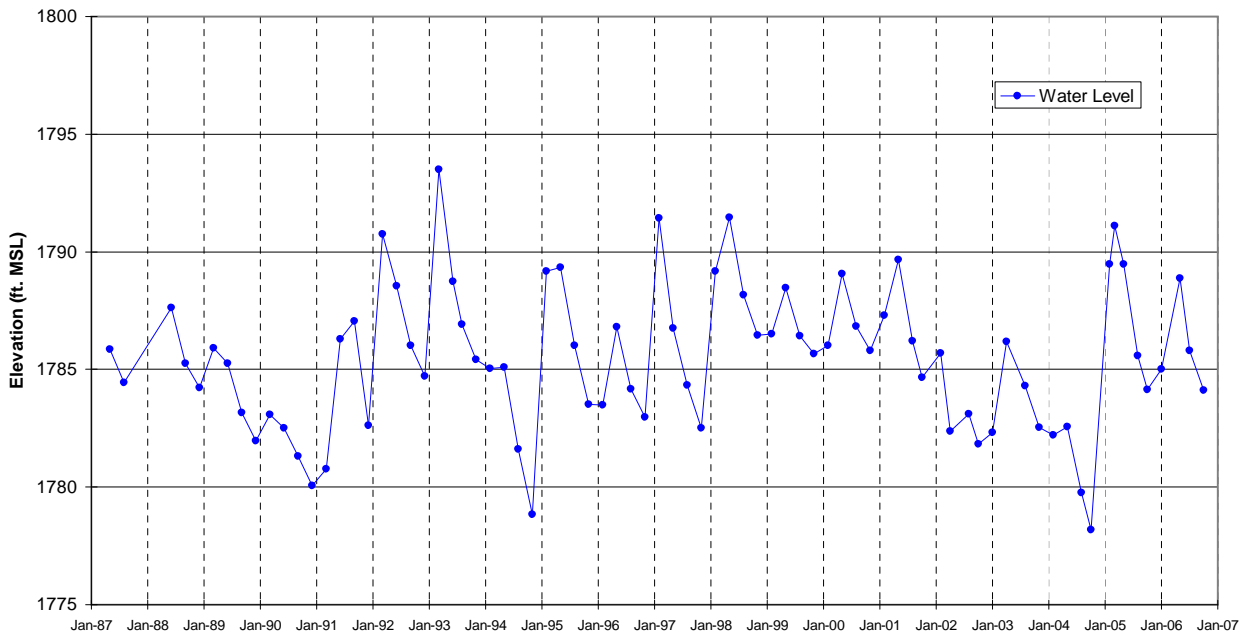


WATER LEVEL HYDROGRAPH
Shallow Well HAR-12
Figure A-81

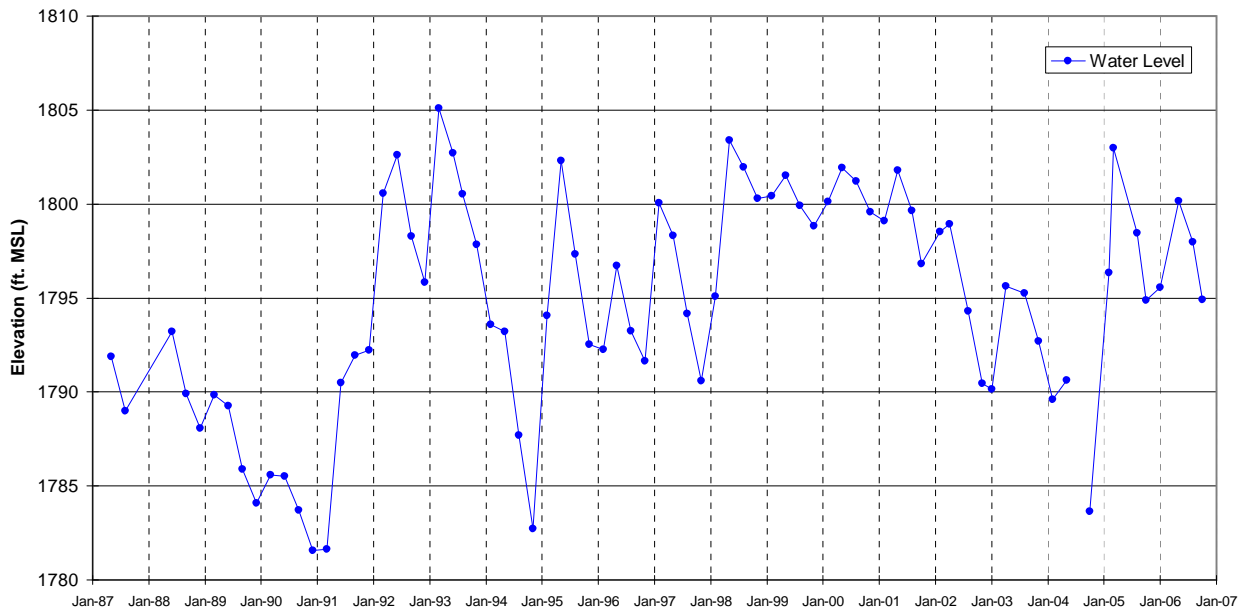
Well cap melted to casing during September 2005 Topanga fire. No access to measure water levels.



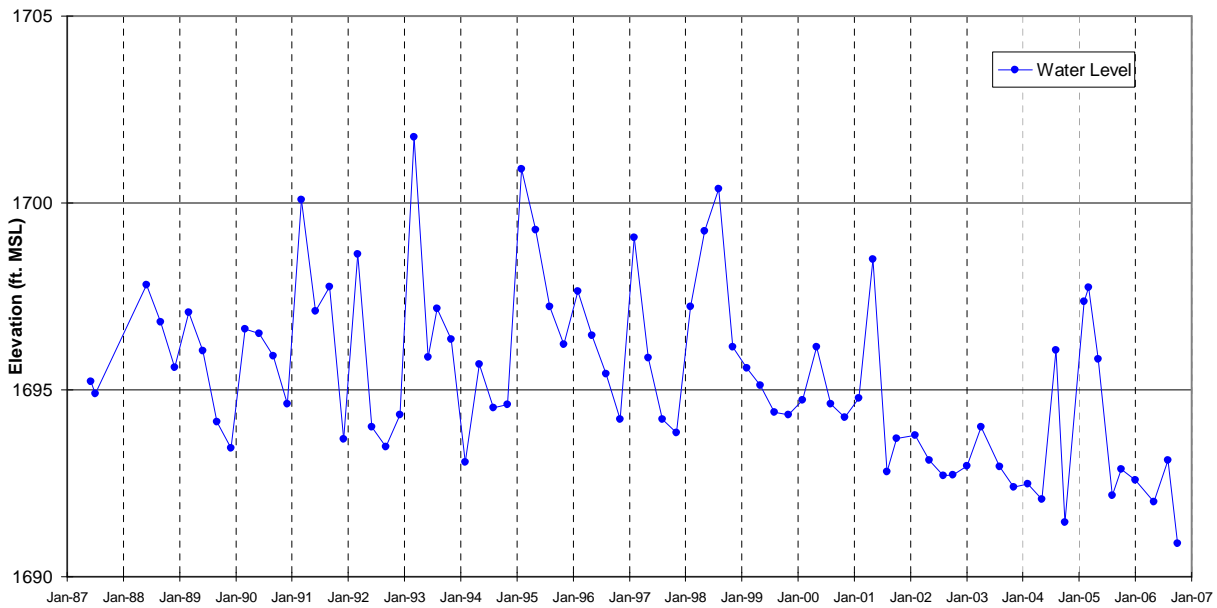
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-13
Figure A-82



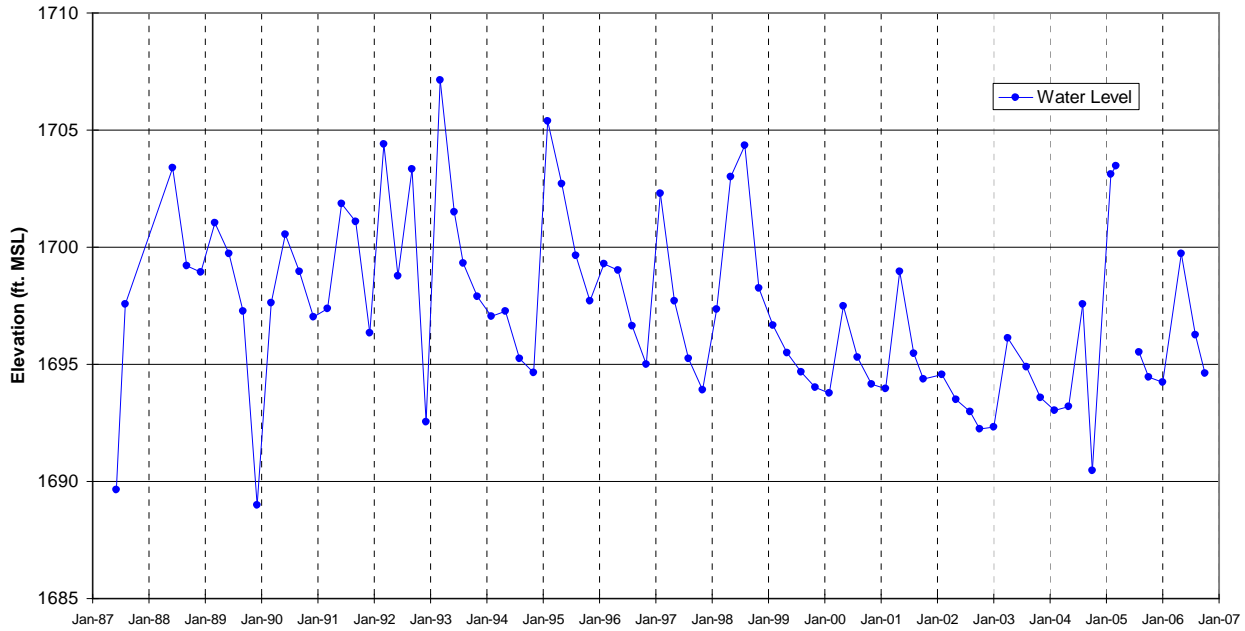
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-14
Figure A-83



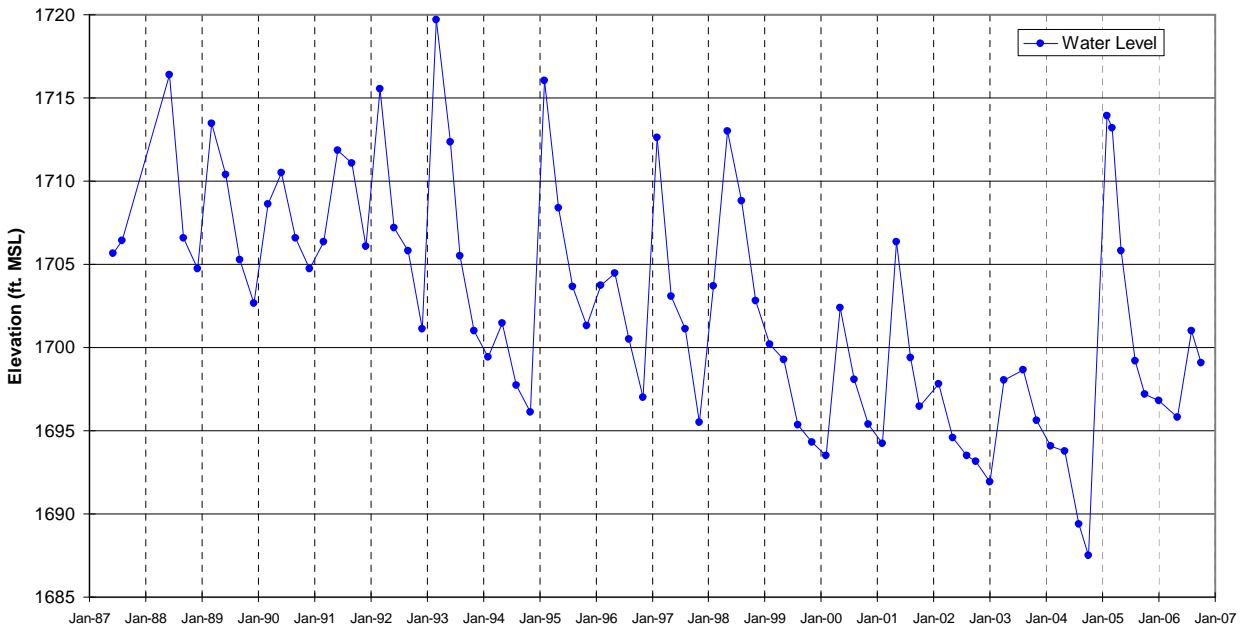
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-15
Figure A-84



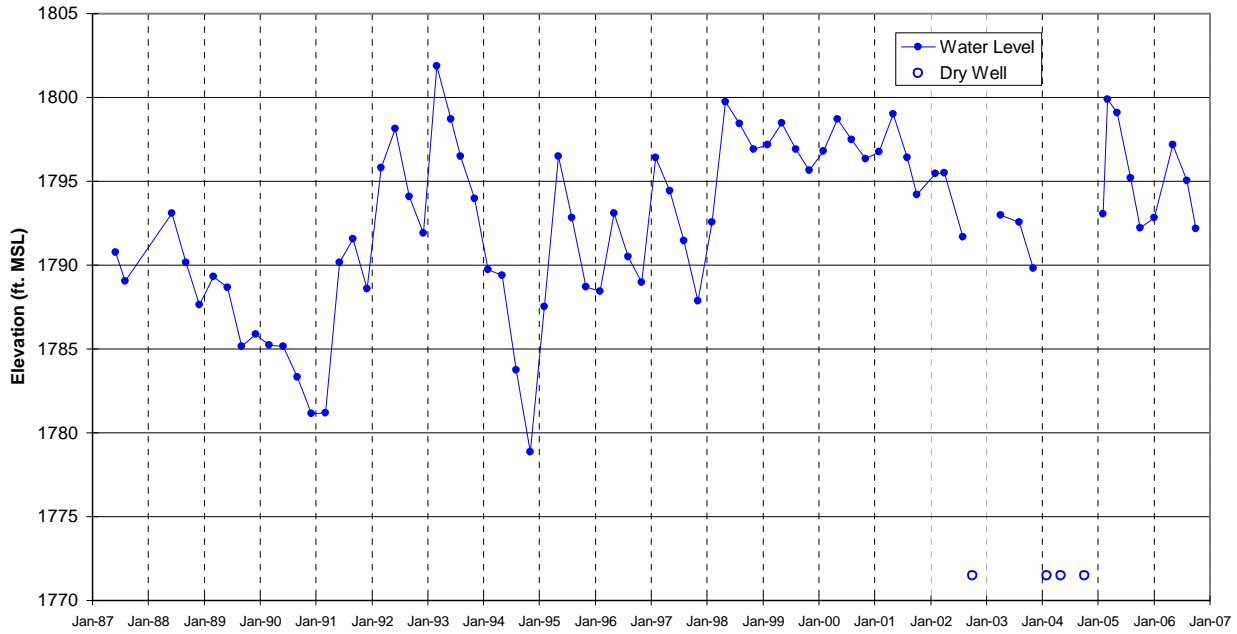
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-27
Figure A-85



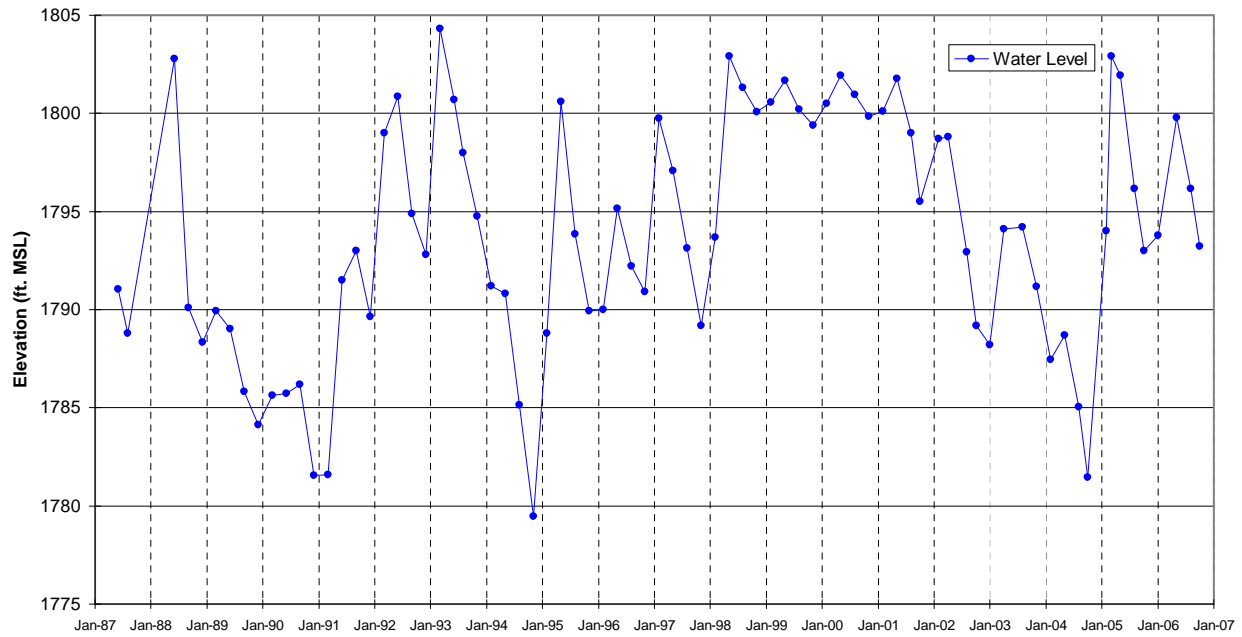
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-28
Figure A-86



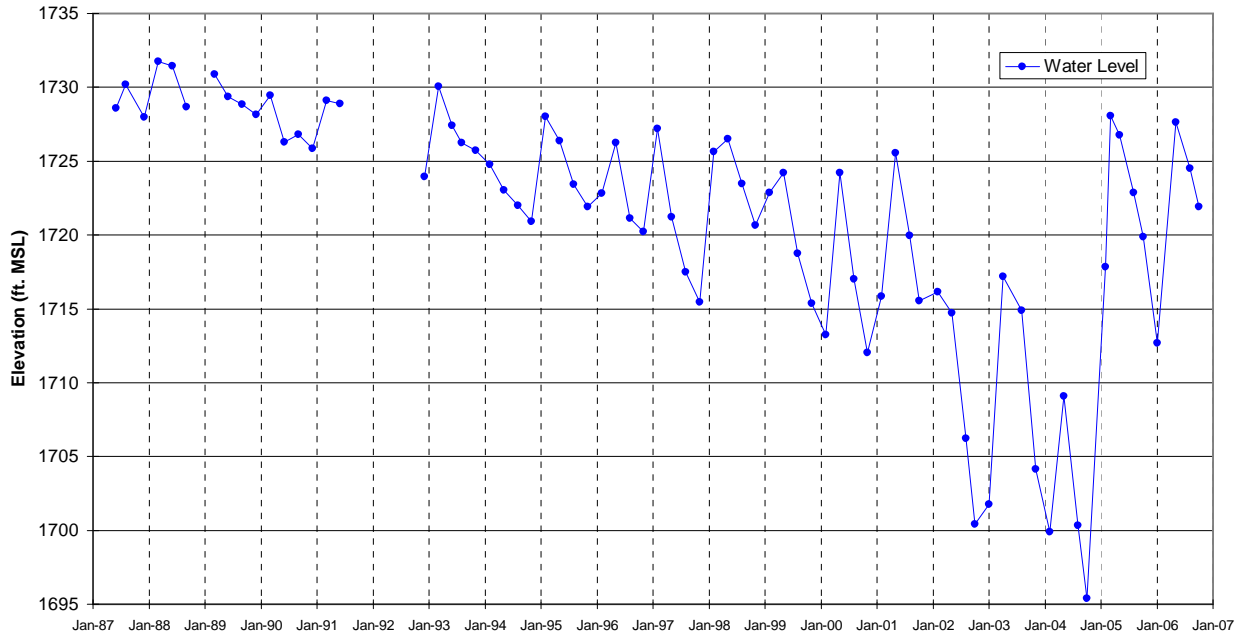
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-29
Figure A-87



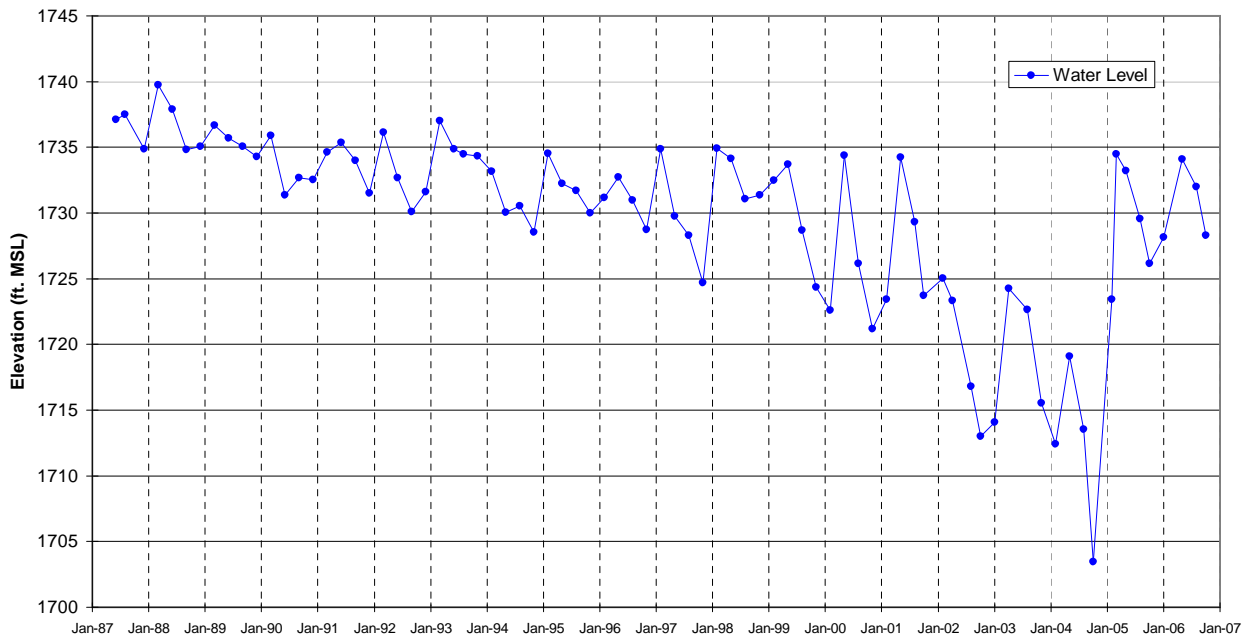
WATER LEVEL HYDROGRAPH
Shallow Well HAR-30
Figure A-88



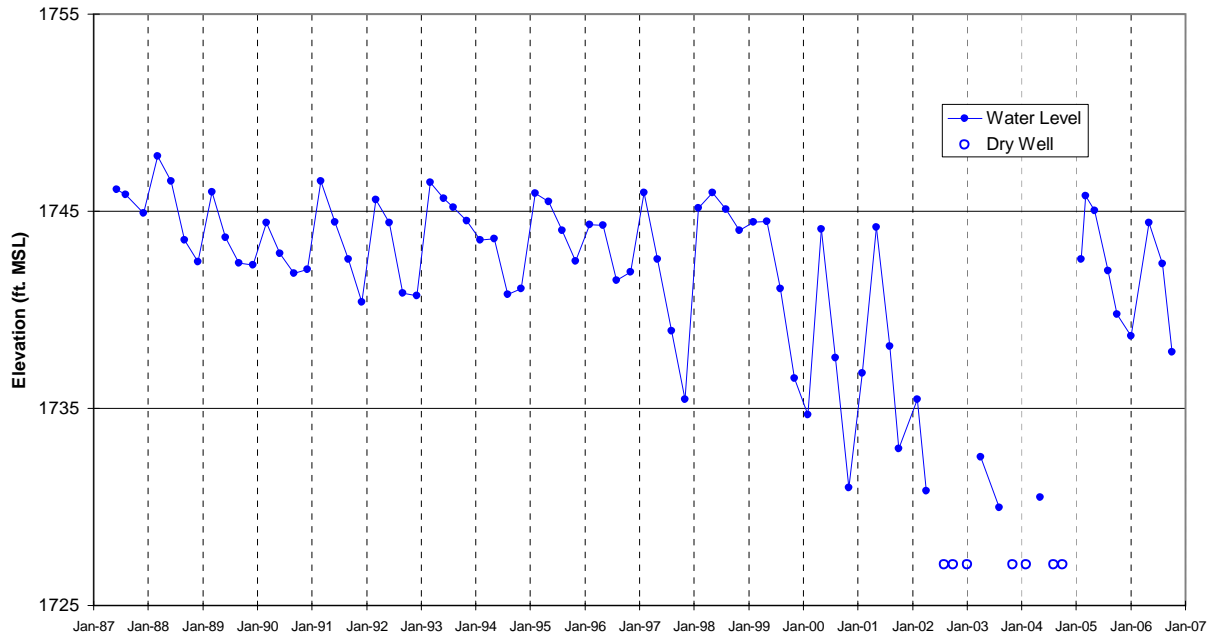
WATER LEVEL HYDROGRAPH
Shallow Well HAR-31
Figure A-89



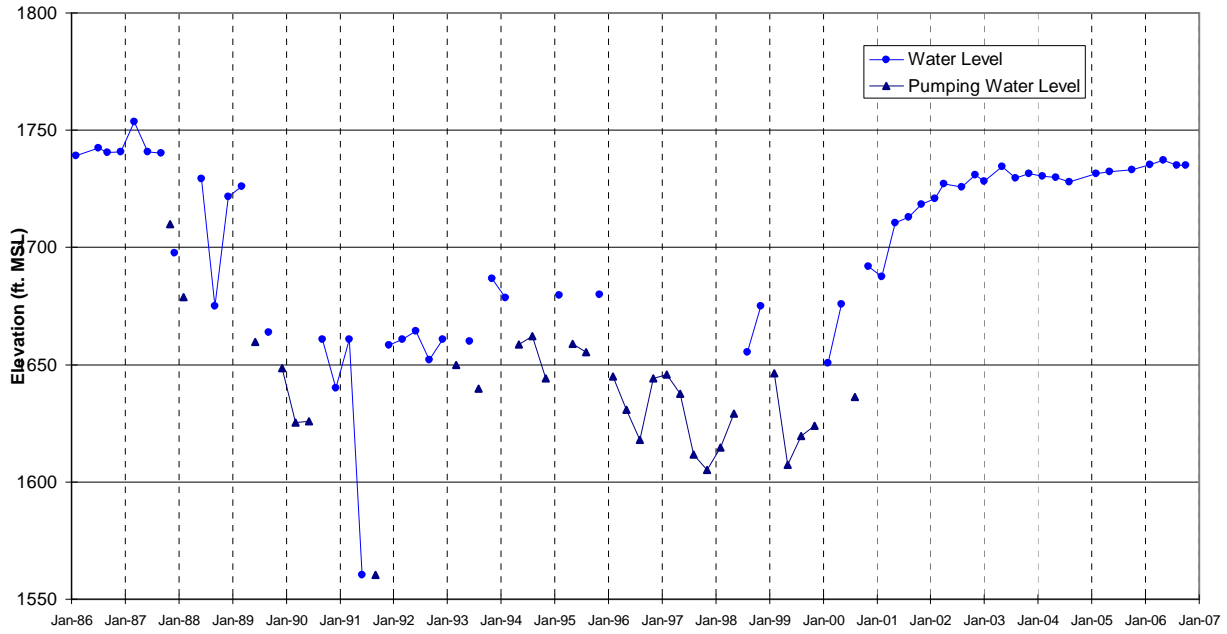
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-32
Figure A-90



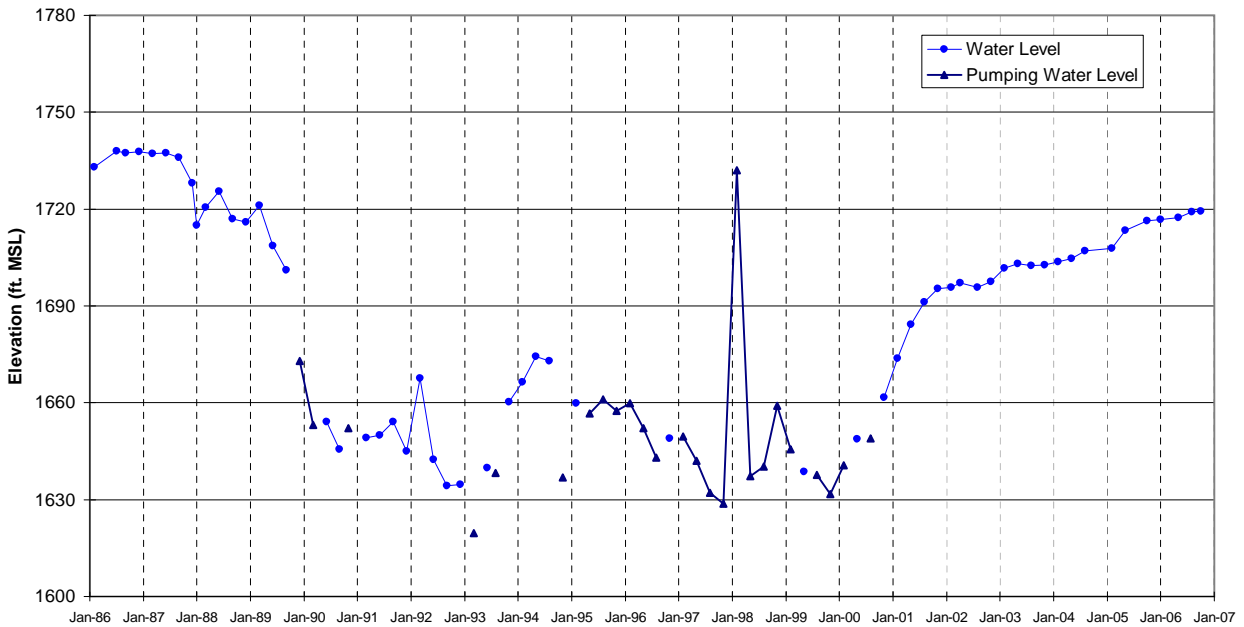
WATER LEVEL HYDROGRAPH
 Shallow Well HAR-33
Figure A-91



WATER LEVEL HYDROGRAPH
 Shallow Well HAR-34
Figure A-92

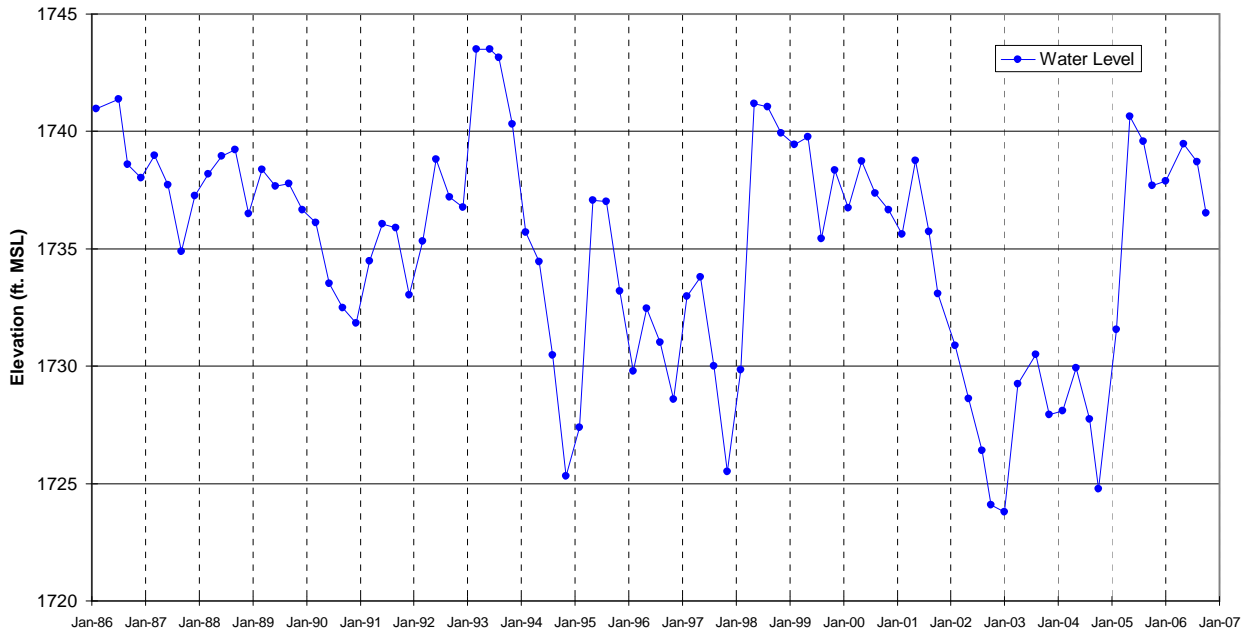


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-01
Figure A-93

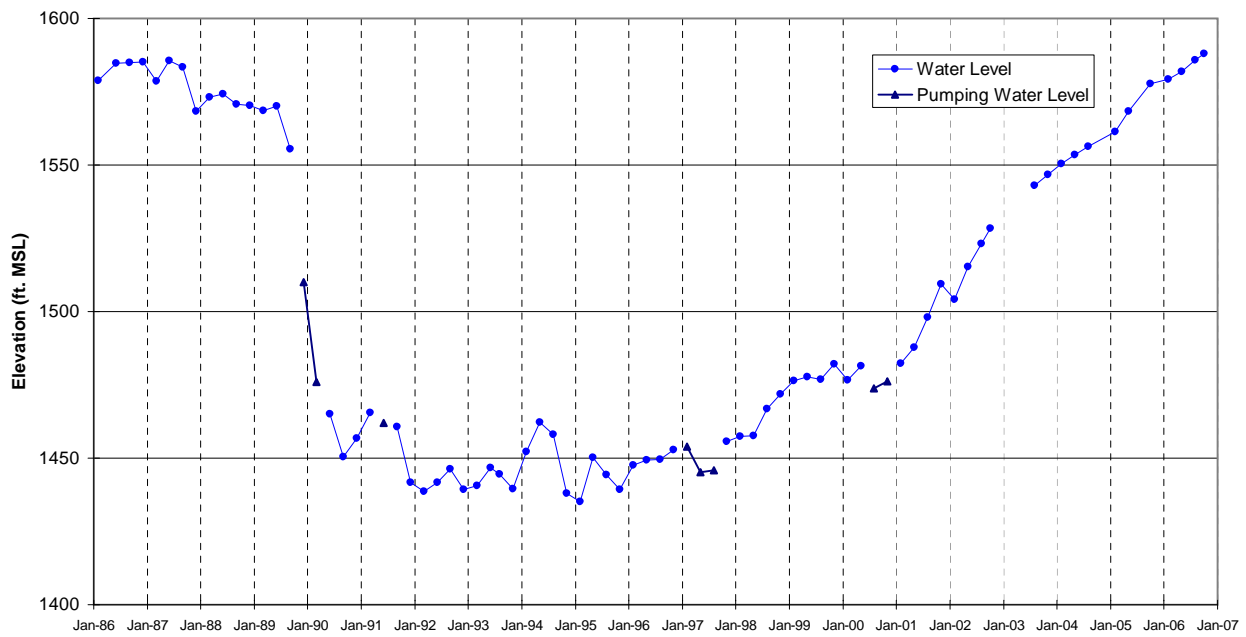


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-02
Figure A-94

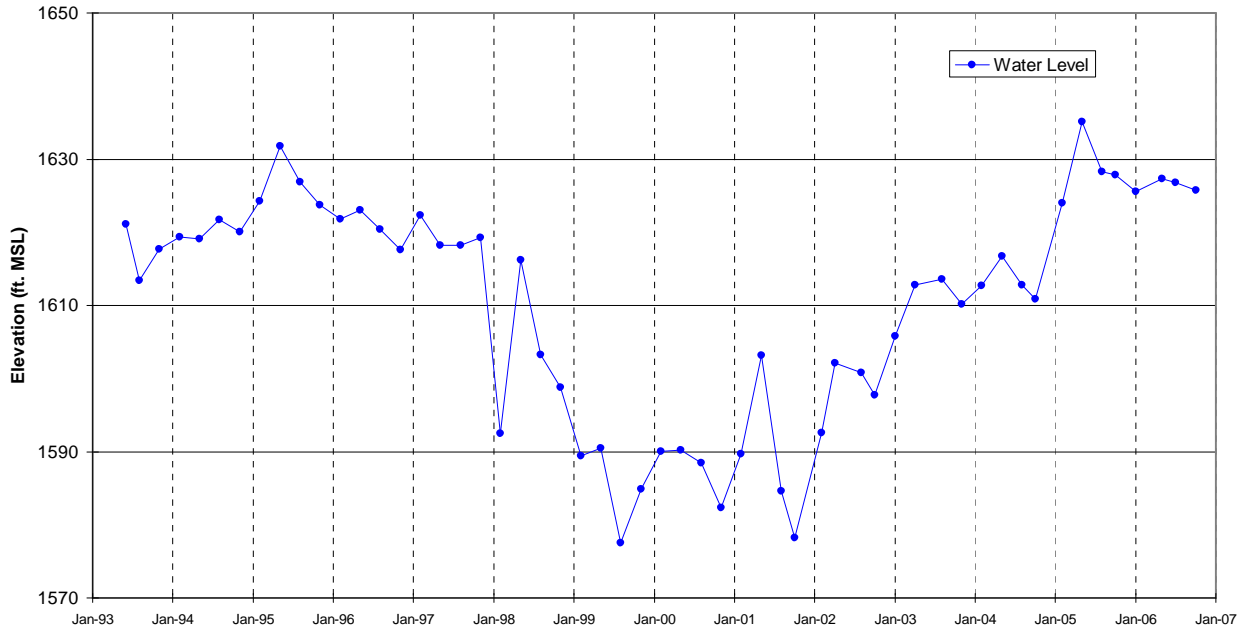
*Feb 98 field notes provided inconclusive data on the anomalously high pumping water level measurement



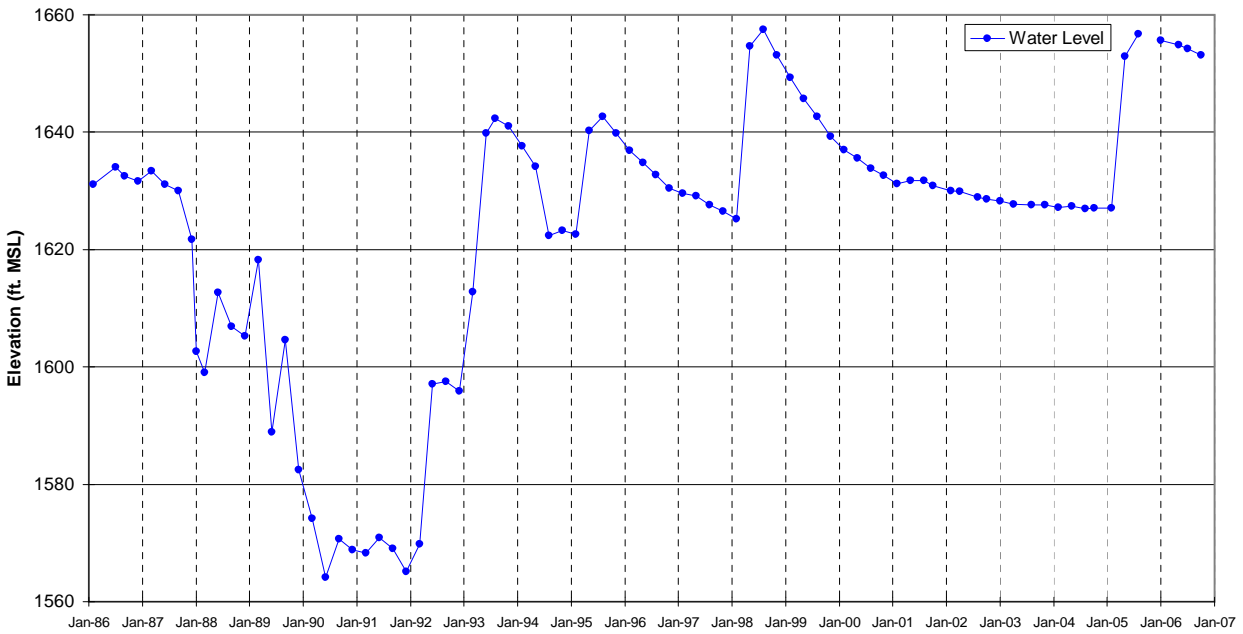
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-03
Figure A-95



WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-04
Figure A-96

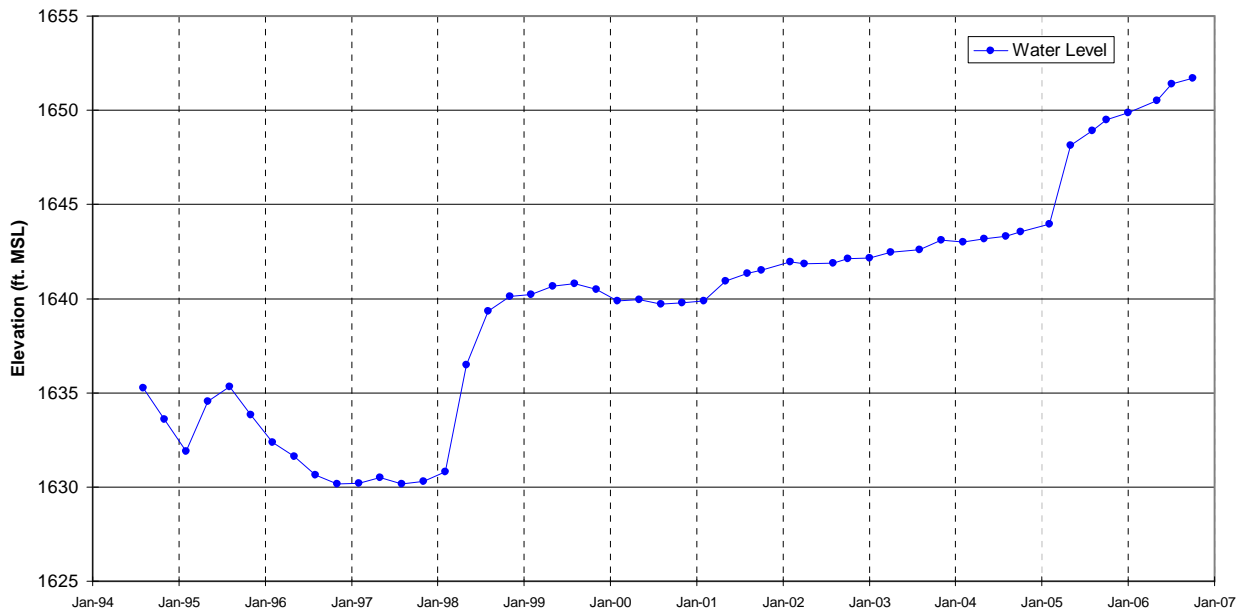


WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-05A
Figure A-97

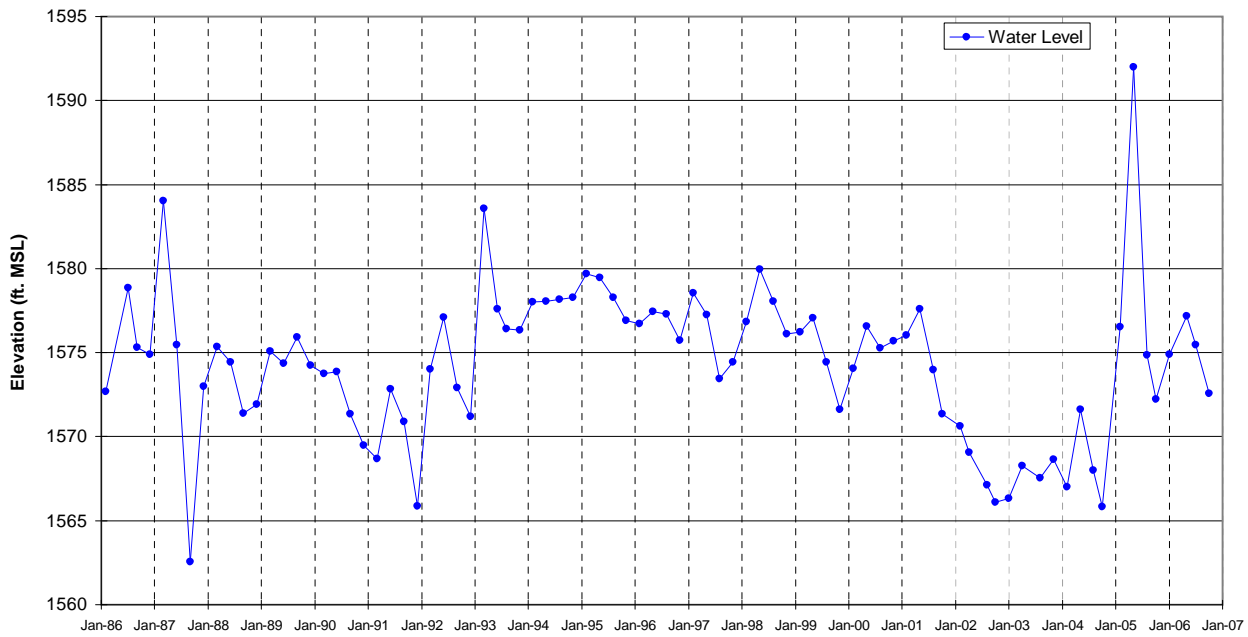


WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-05B*
Figure A-98

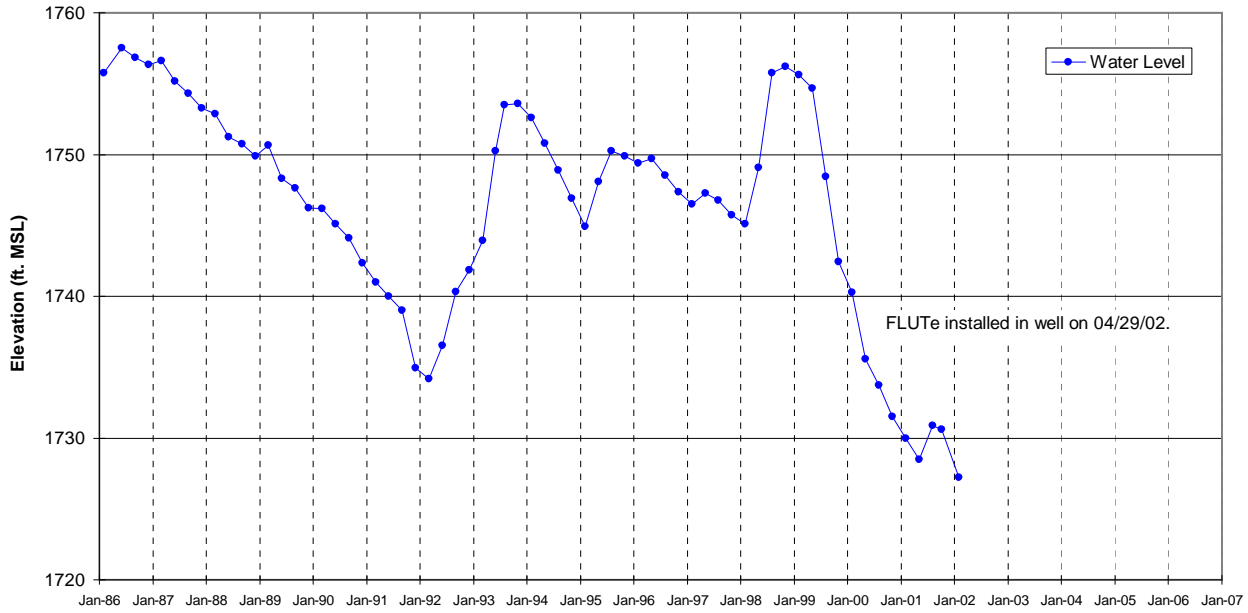
* Well known as RD-5 prior to 05/93



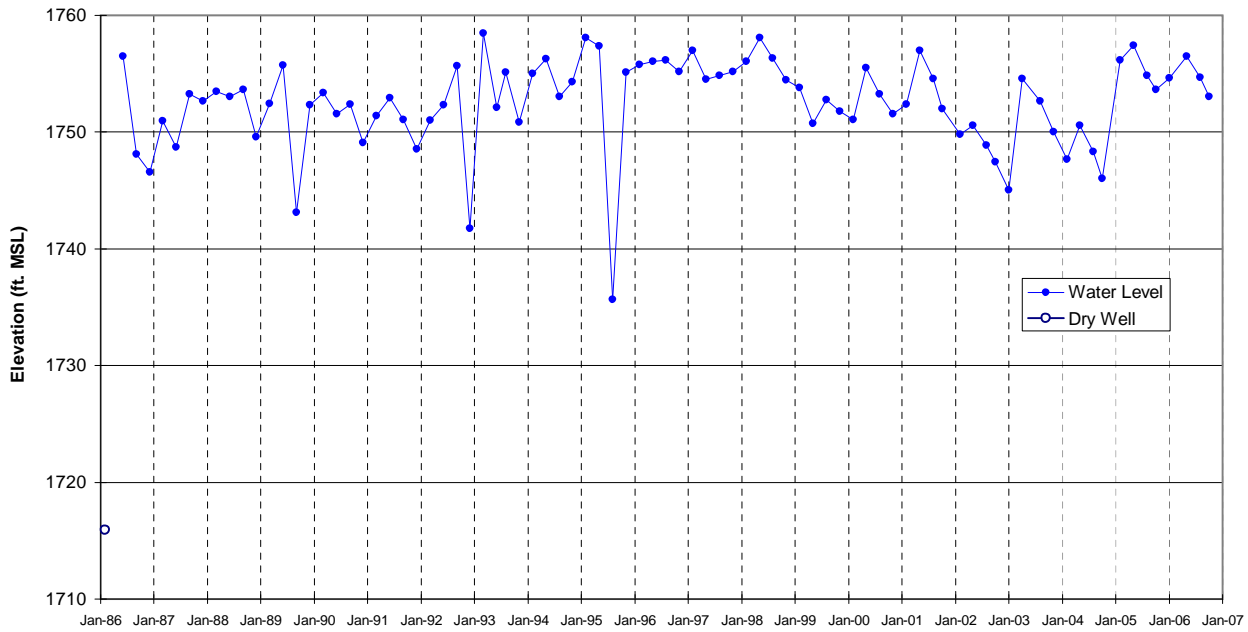
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-05C
Figure A-99



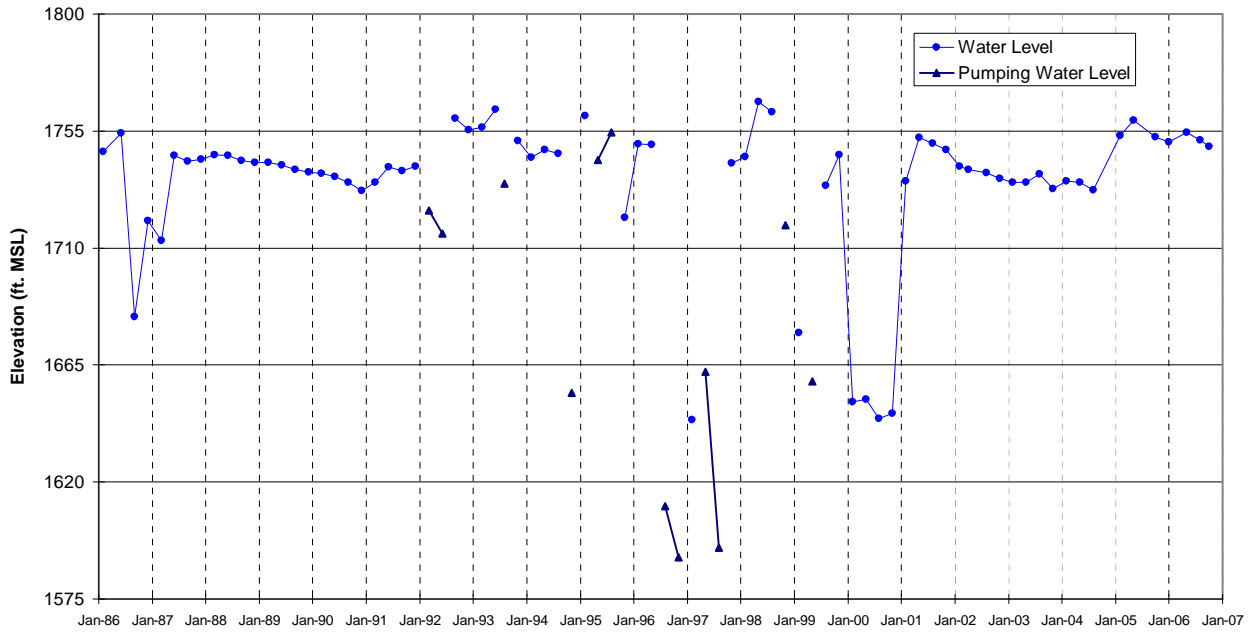
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-06
Figure A-100



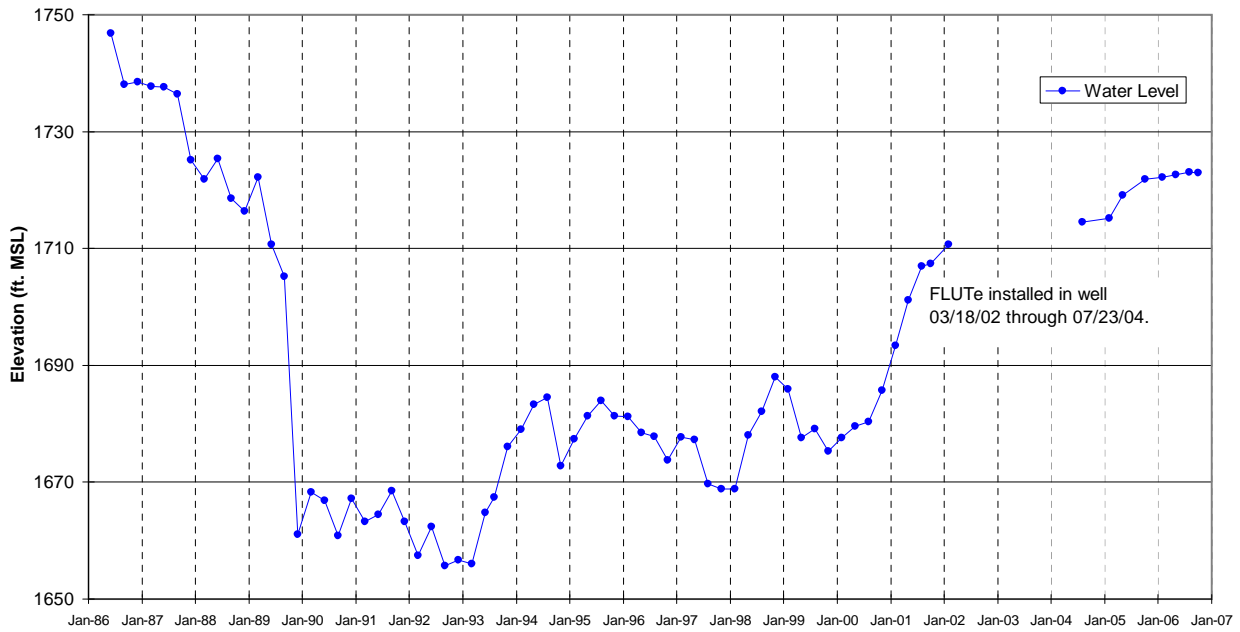
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-07
Figure A-101



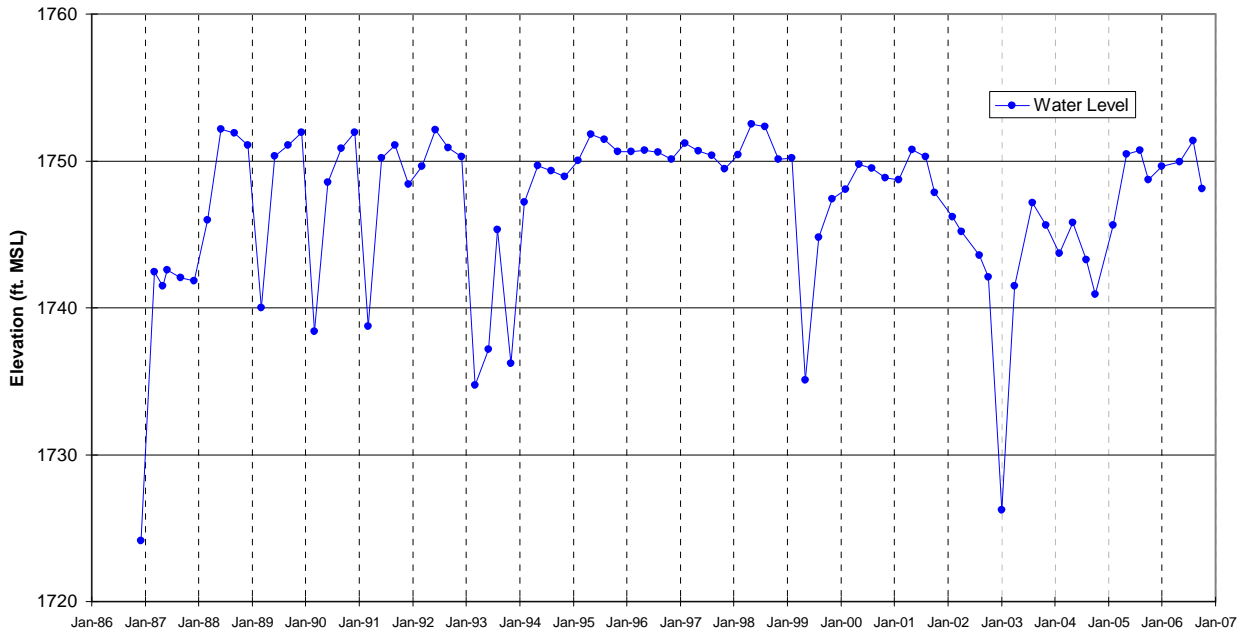
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-08
Figure A-102



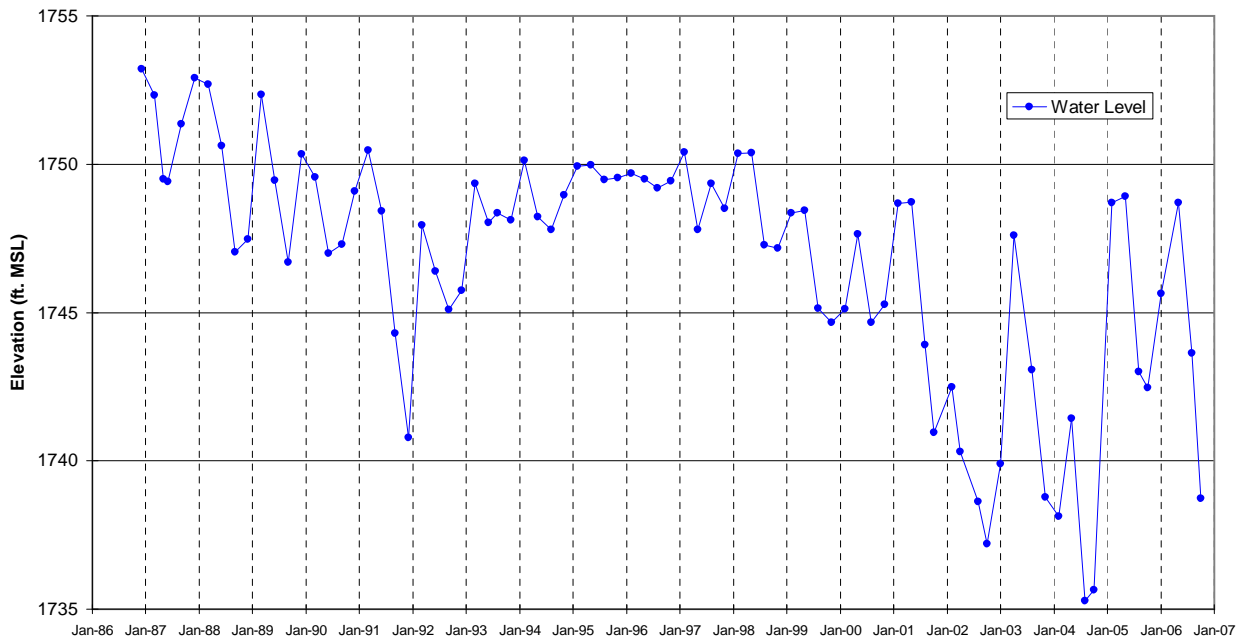
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-09
Figure A-103



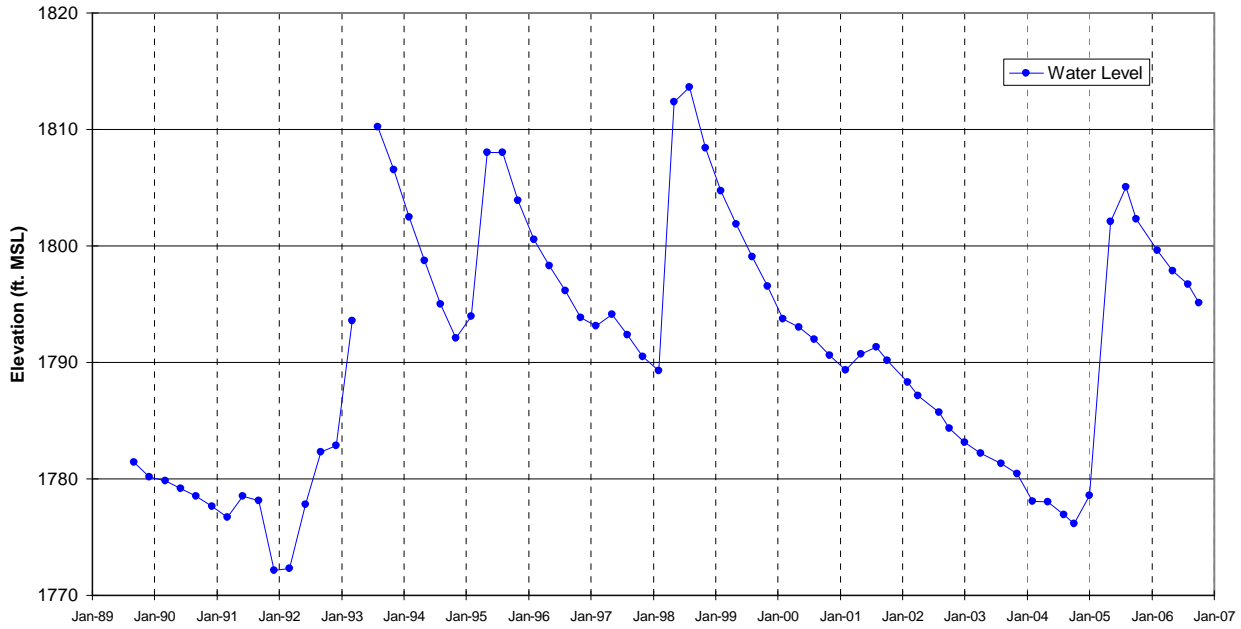
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-10
Figure A-104



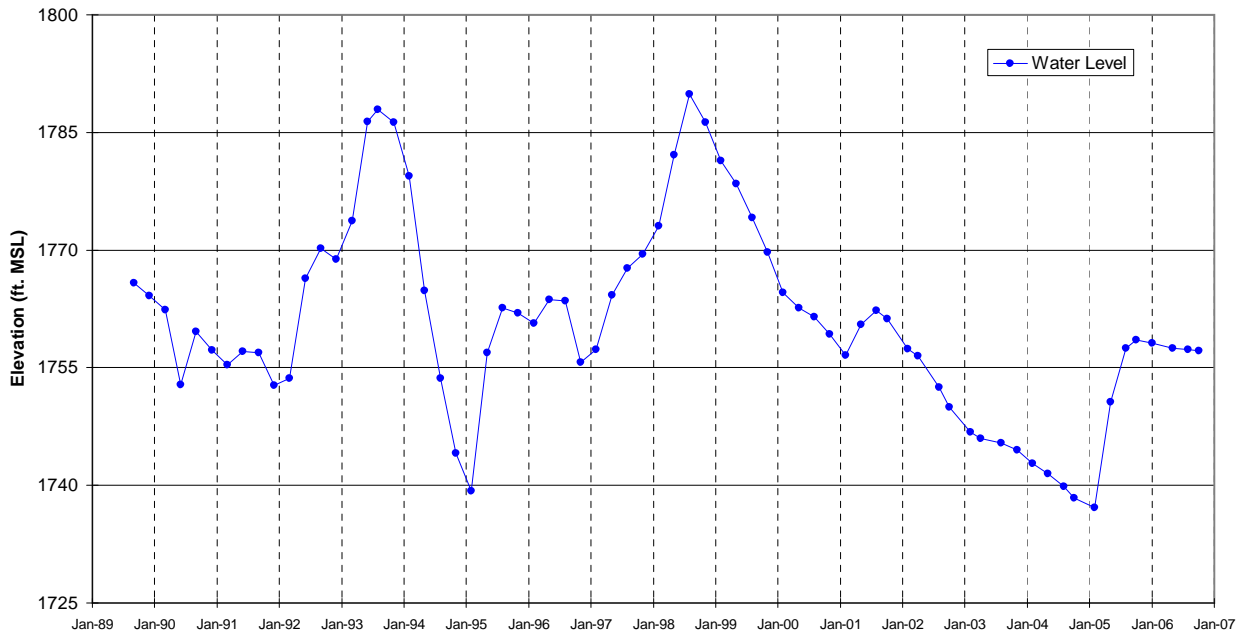
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-11
Figure A-105



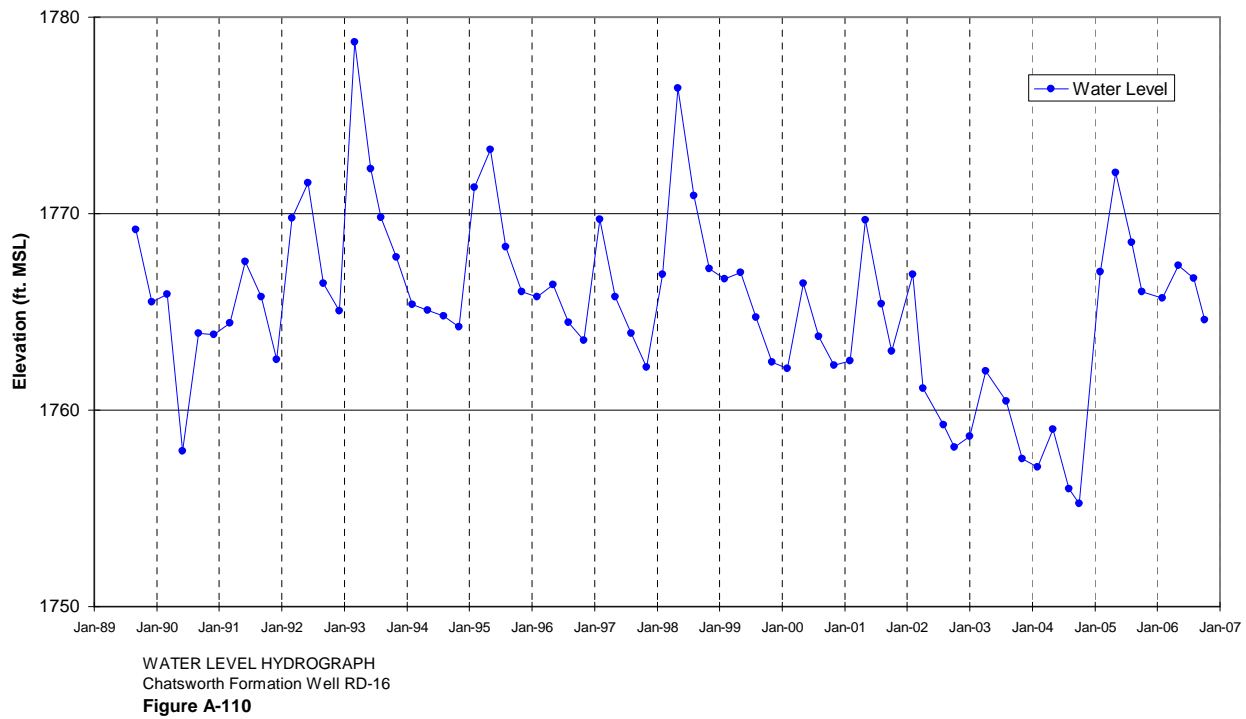
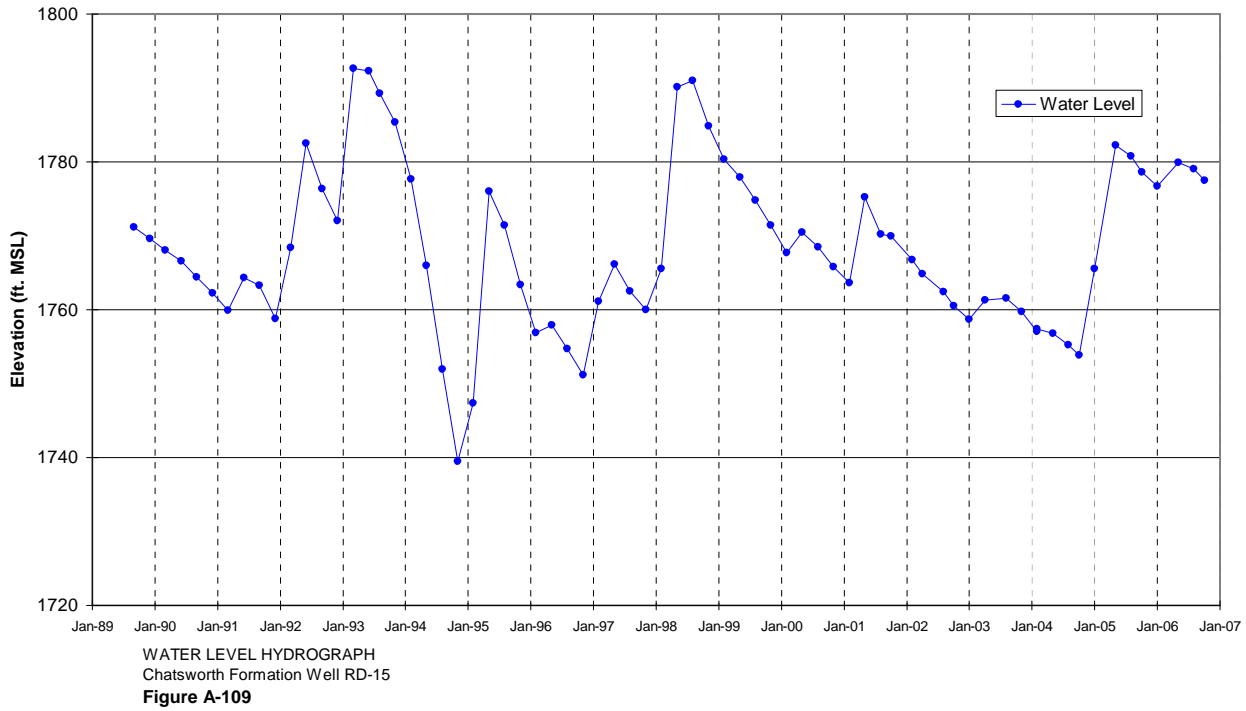
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-12
Figure A-106

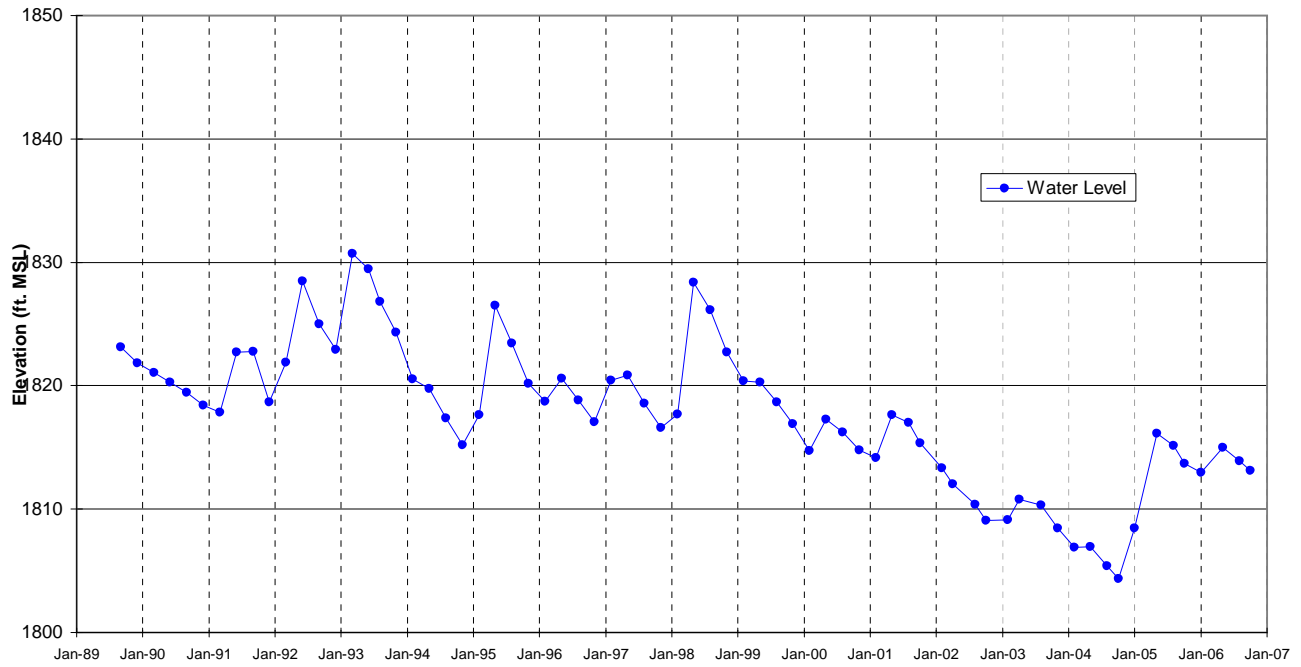


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-13
Figure A-107

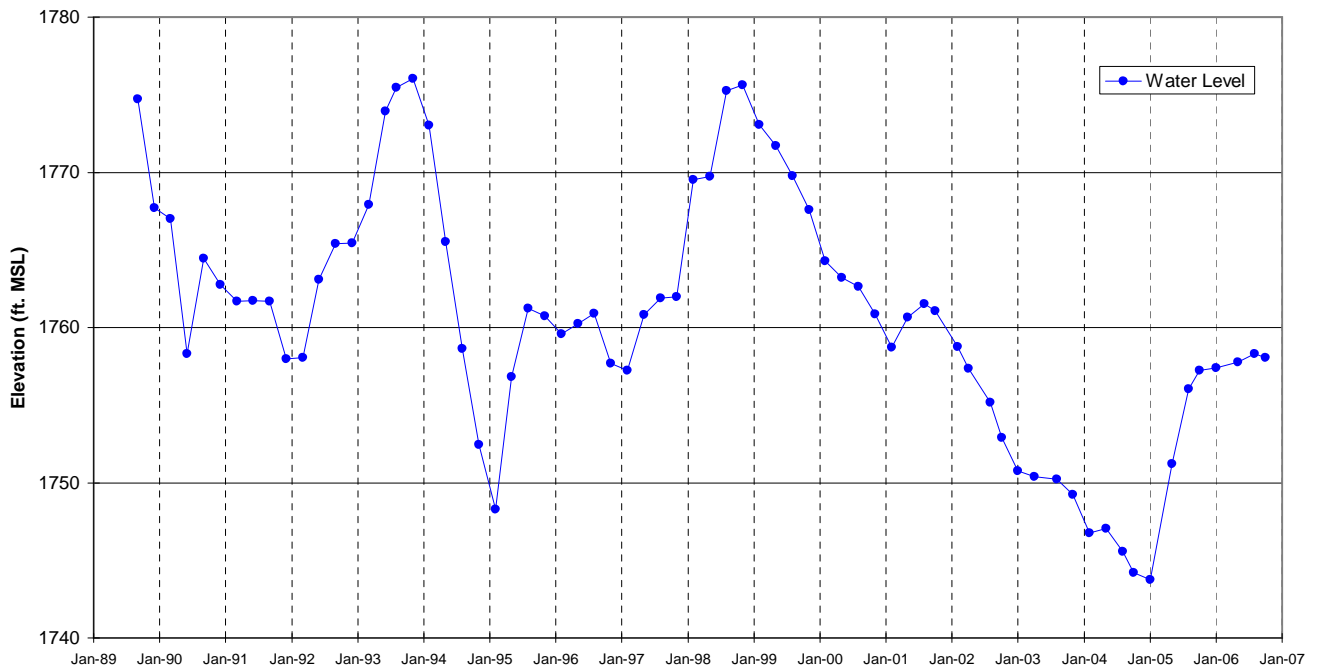


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-14
Figure A-108

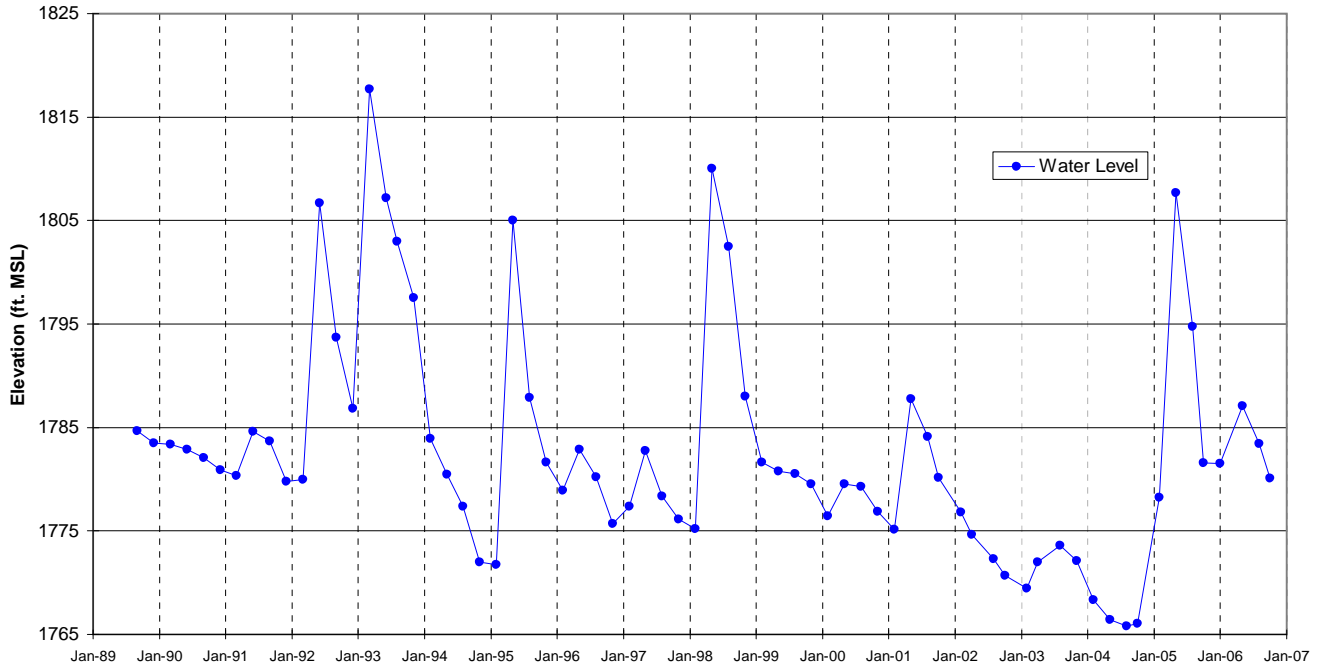




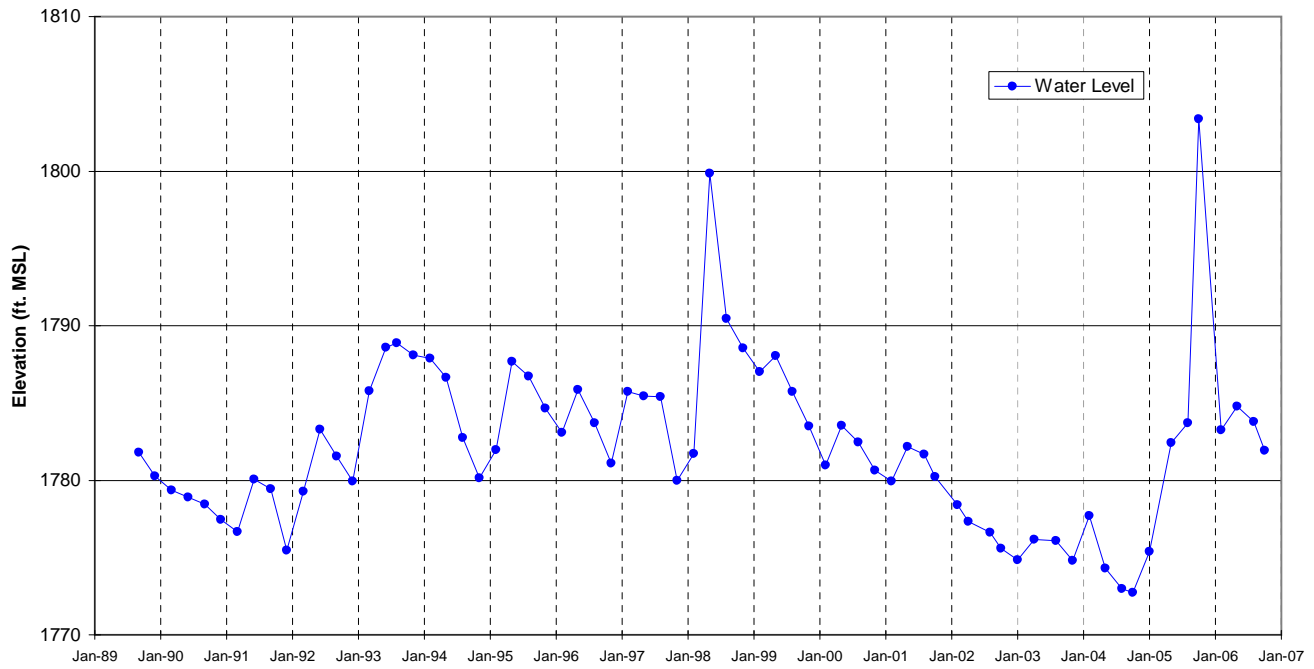
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-17
Figure A-111



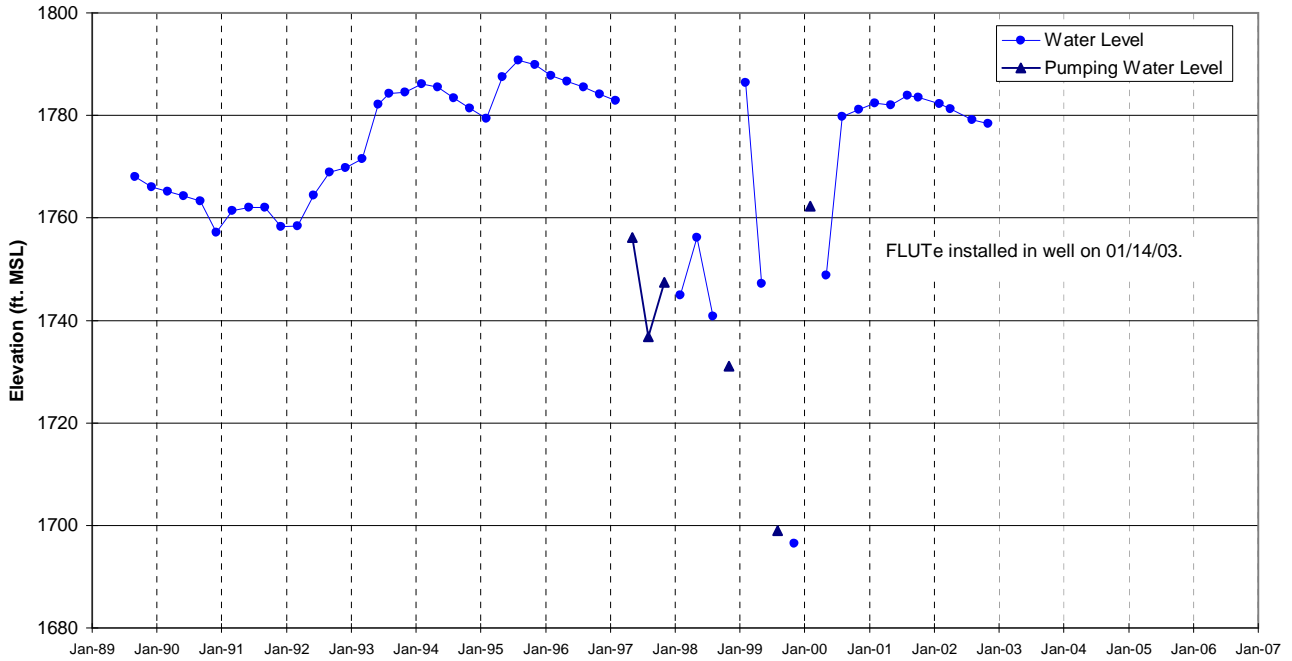
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-18
Figure A-112



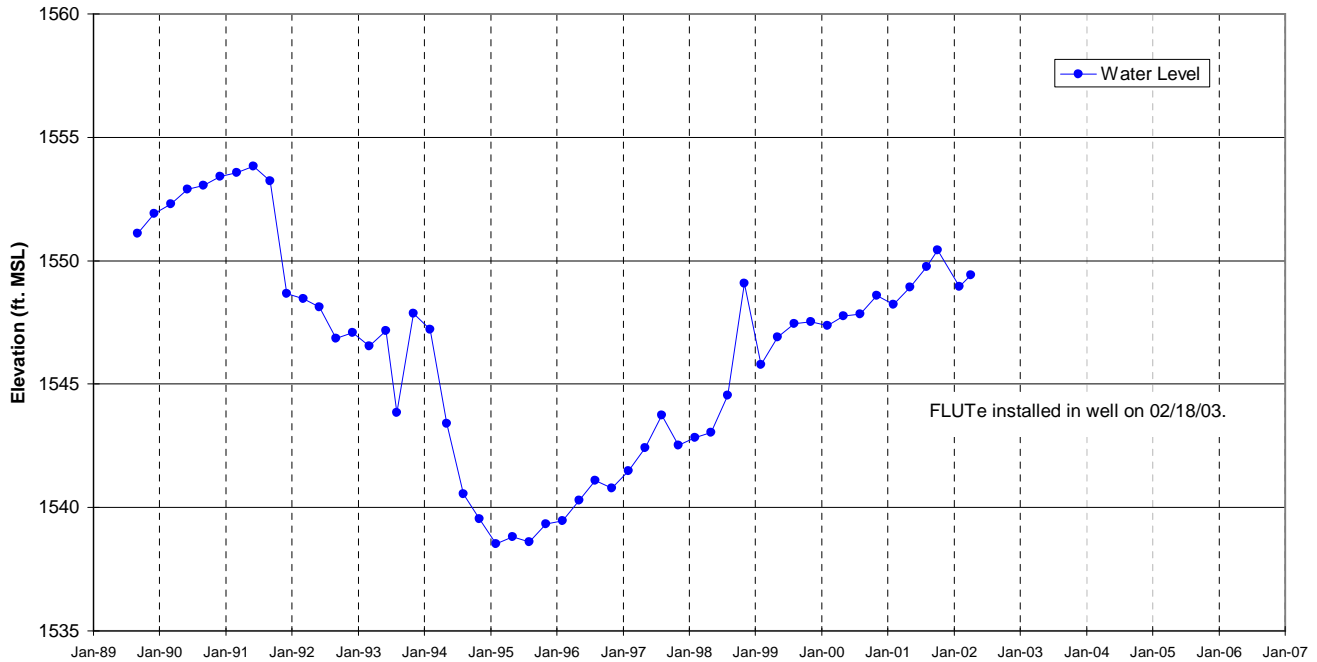
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-19
Figure A-113



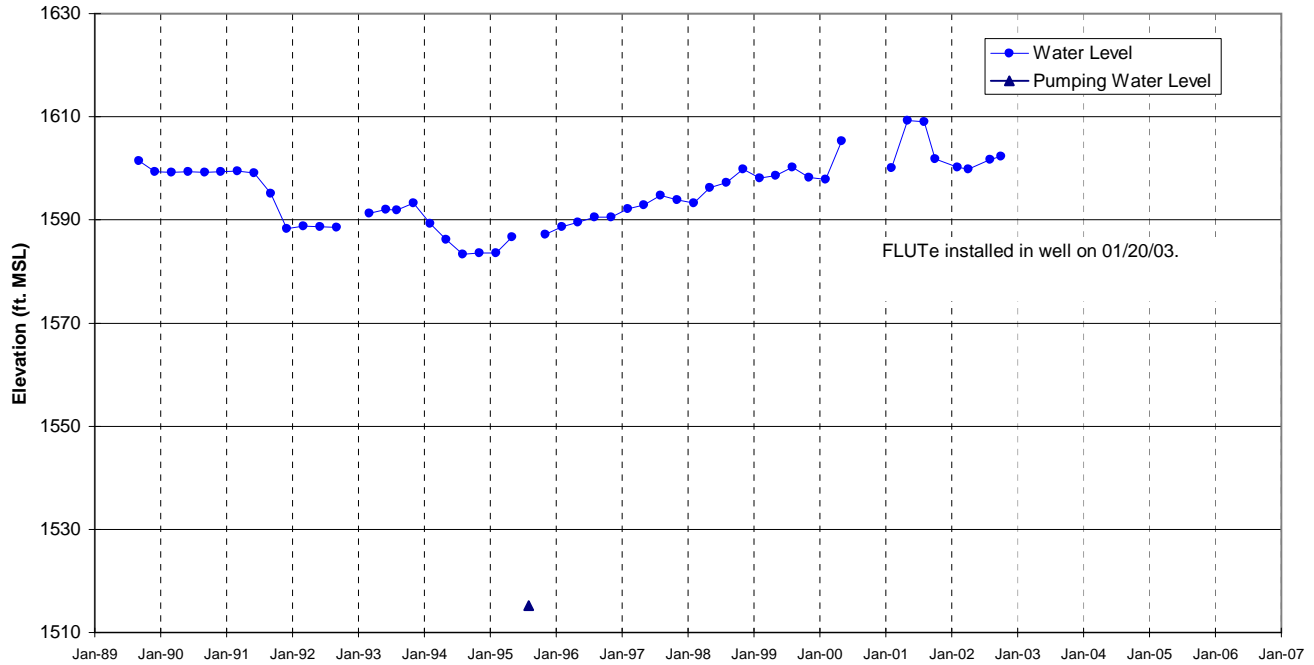
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-20
Figure A-114



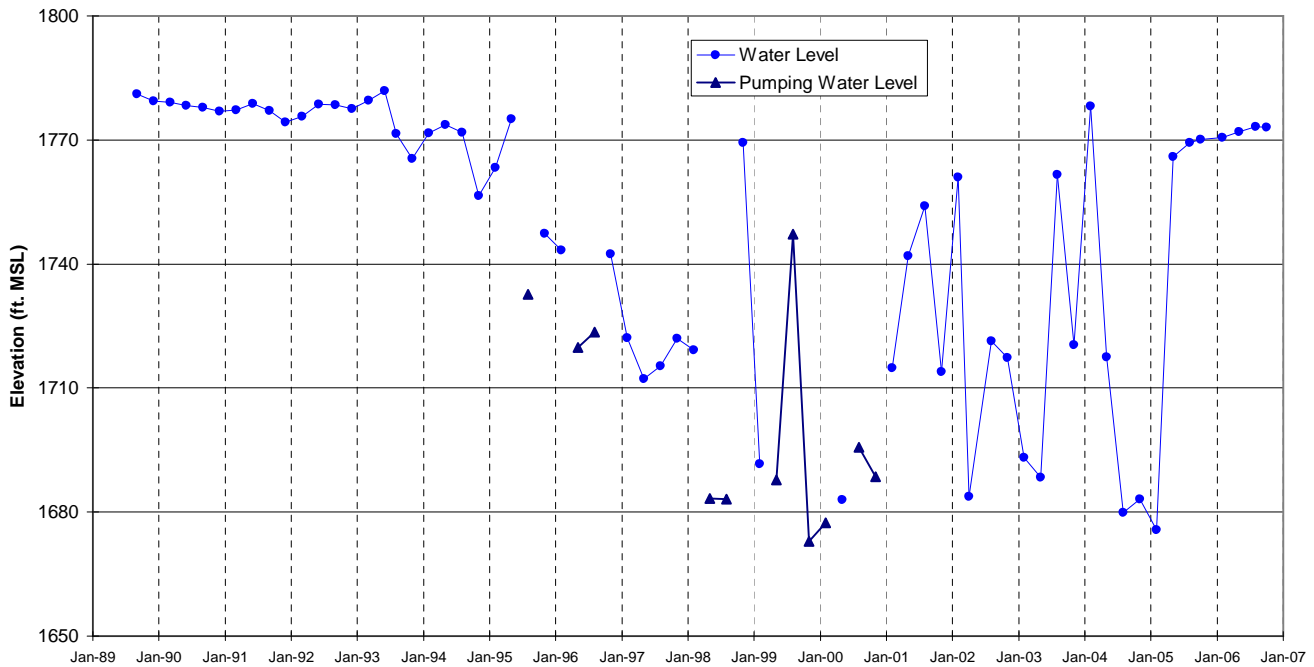
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-21
Figure A-115



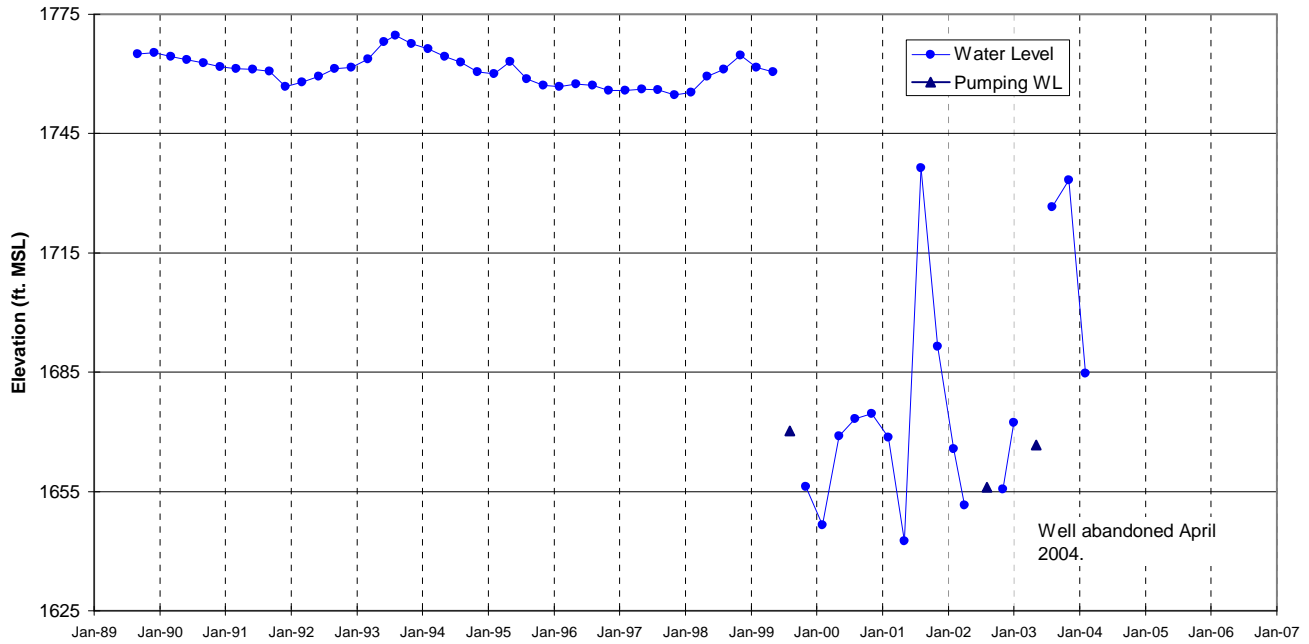
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-22
Figure A-116



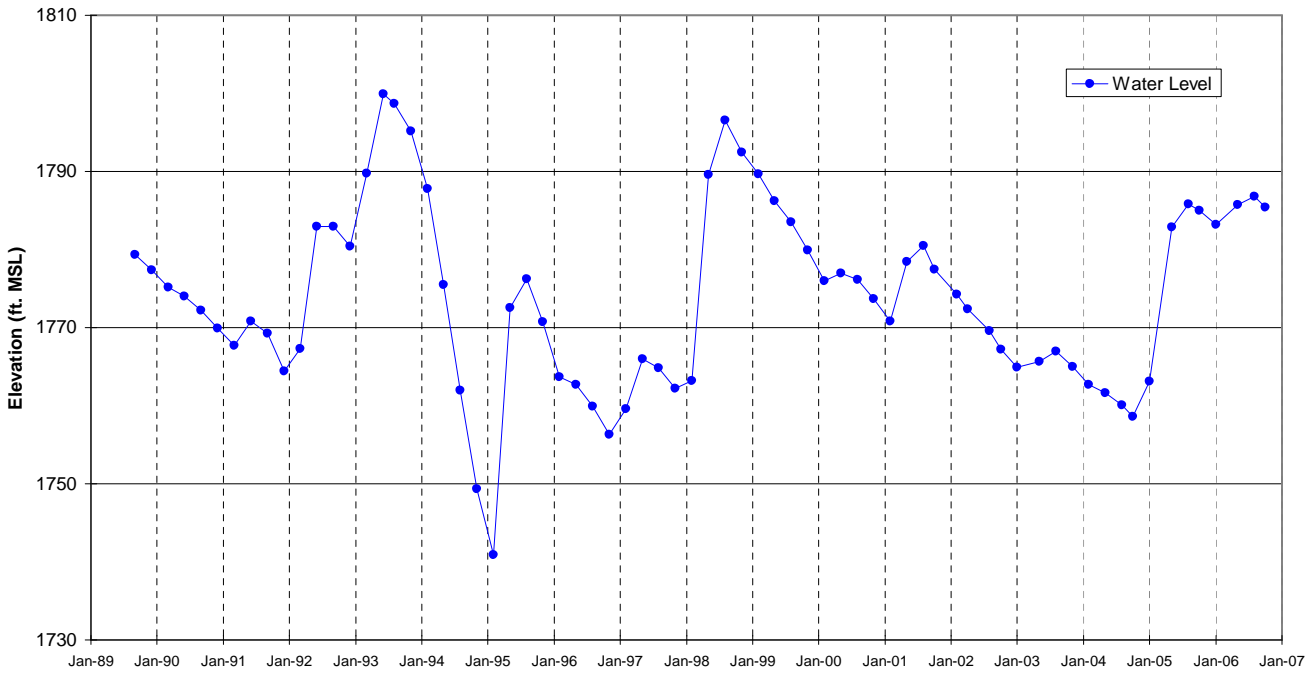
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-23
Figure A-117



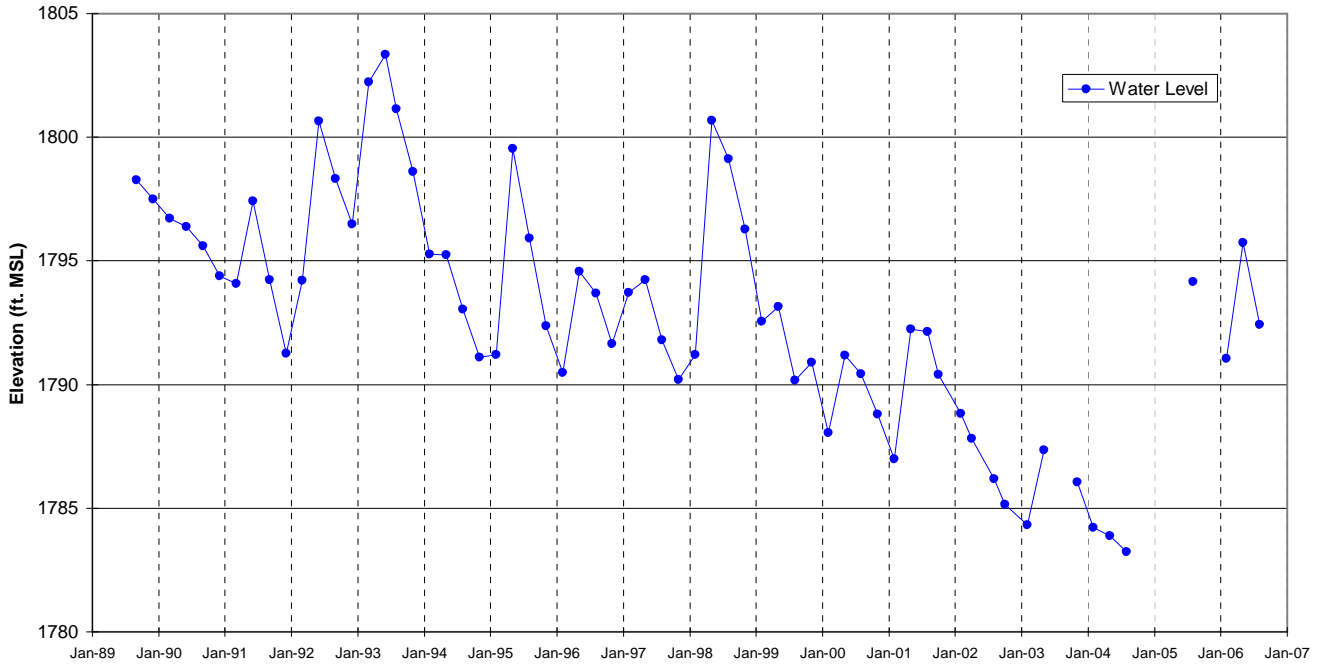
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-24
Figure A-118



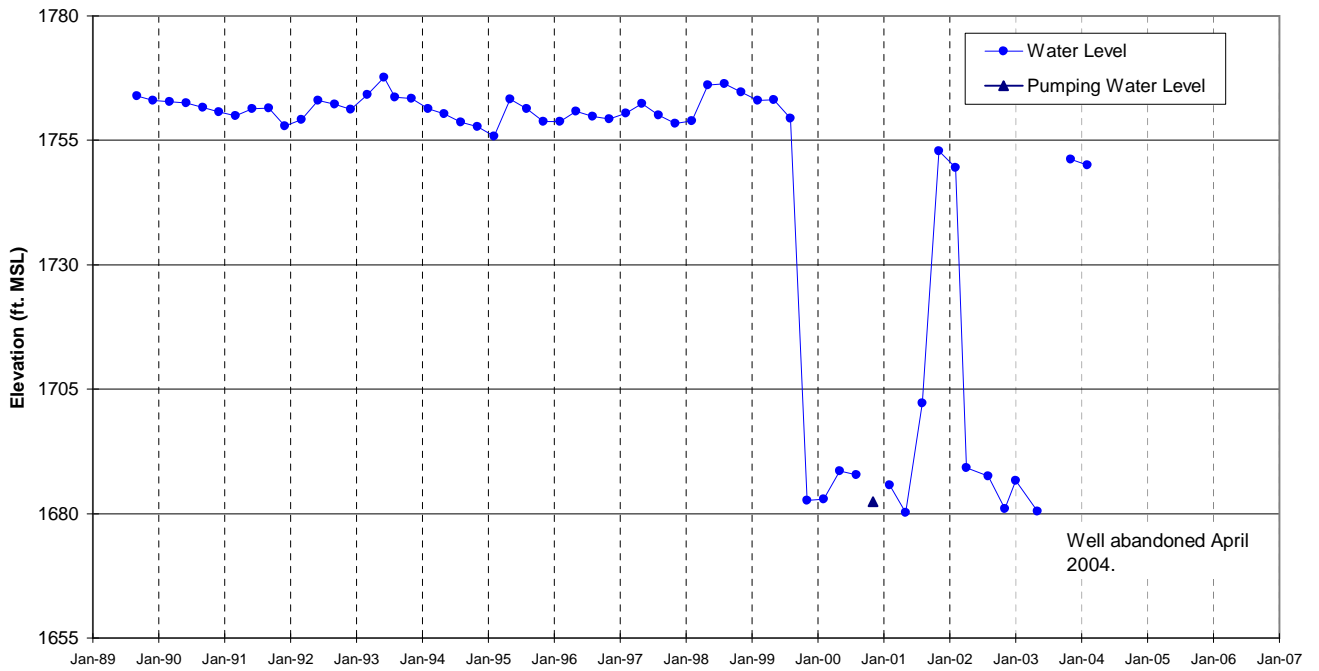
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-25
Figure A-119



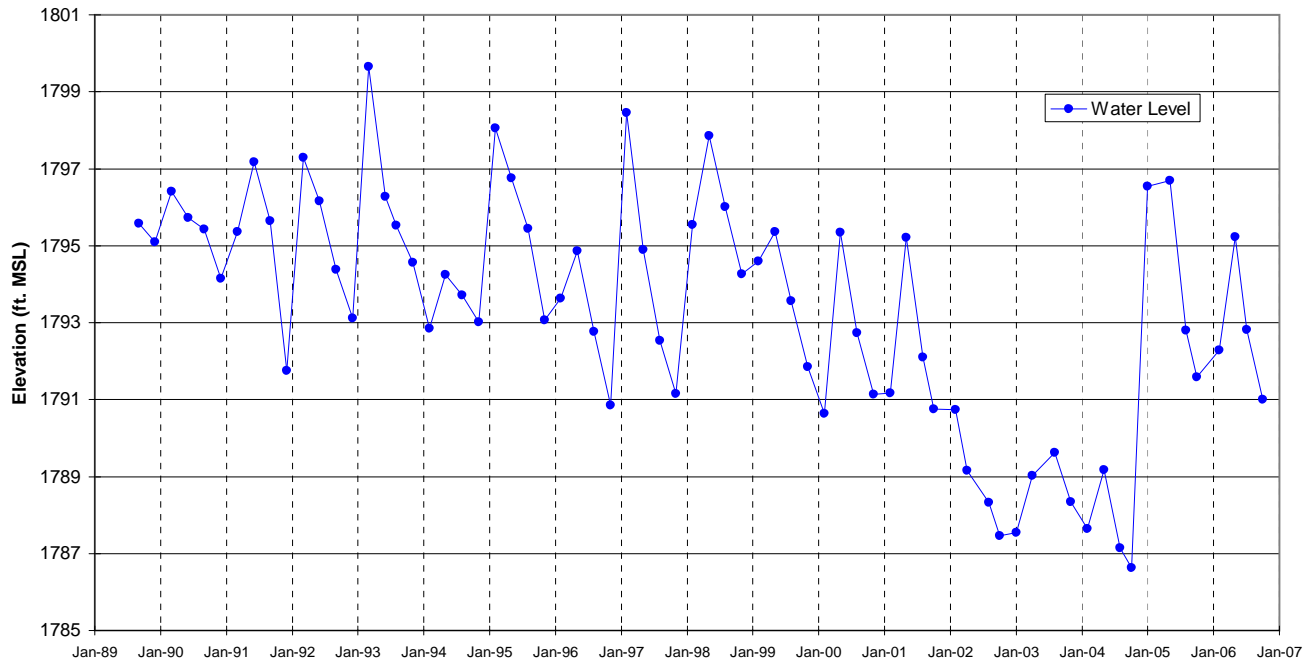
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-26
Figure A-120



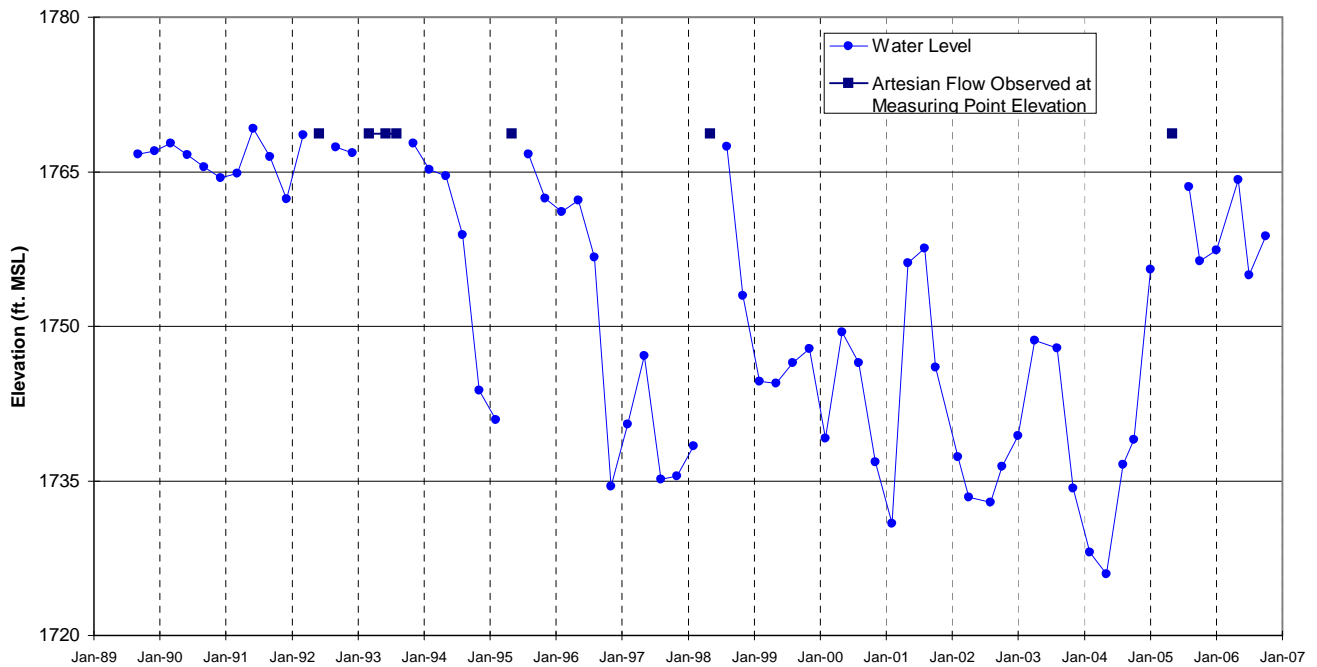
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-27
Figure A-121



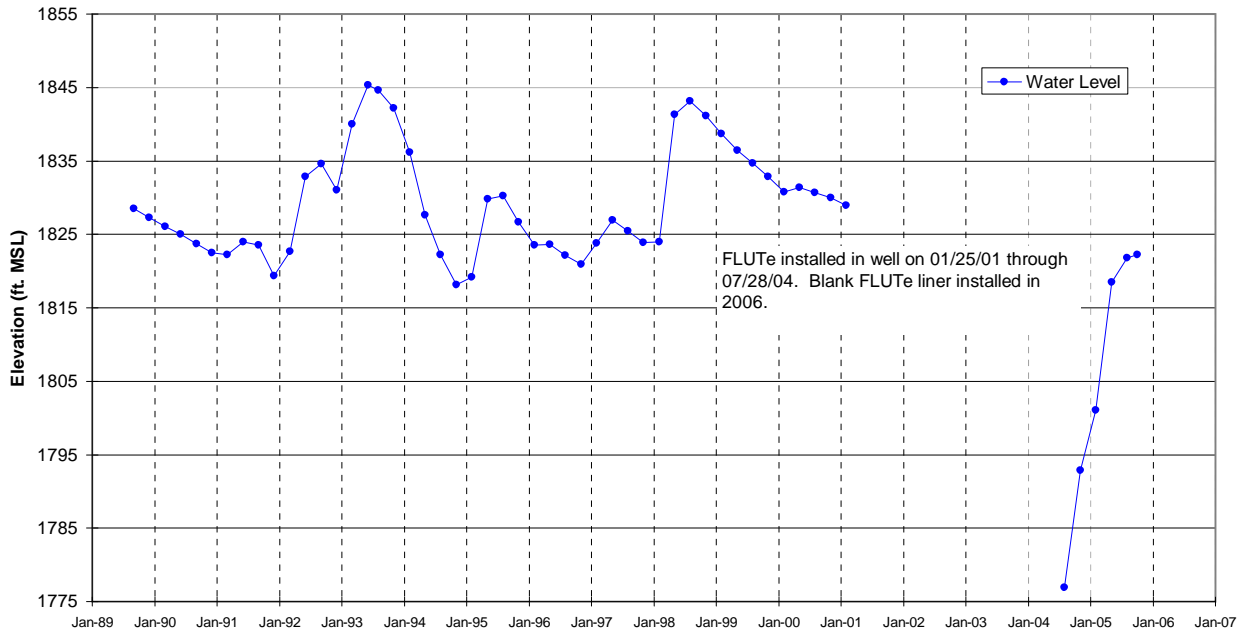
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-28
Figure A-122



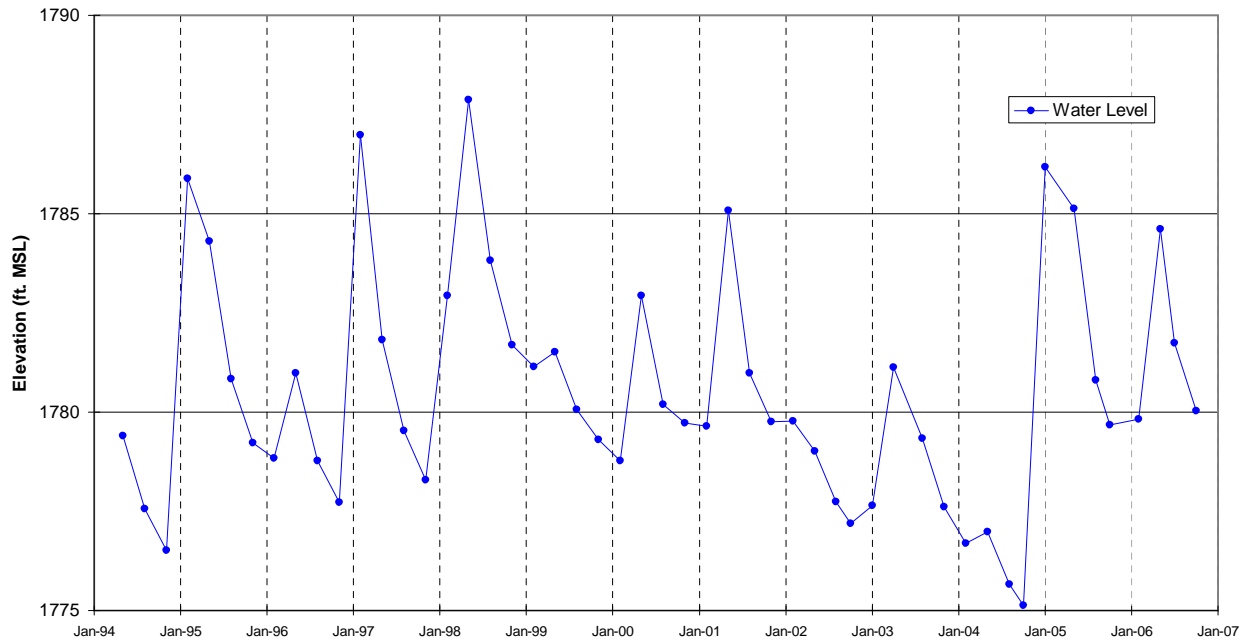
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-29
Figure A-123



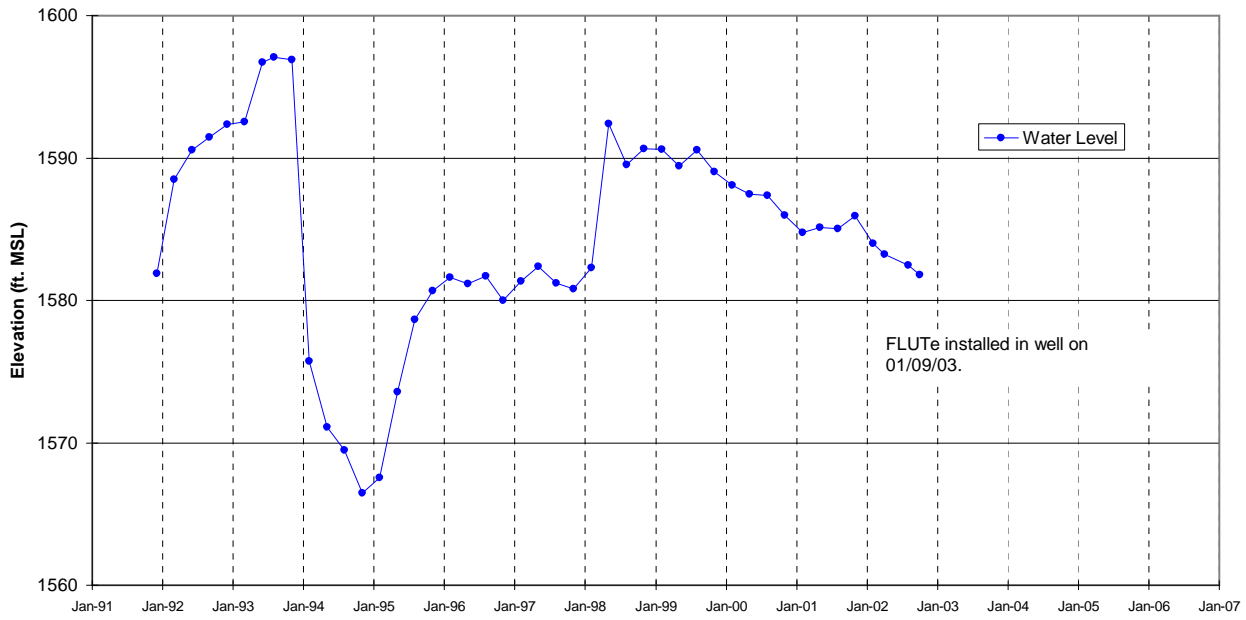
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-30
Figure A-124



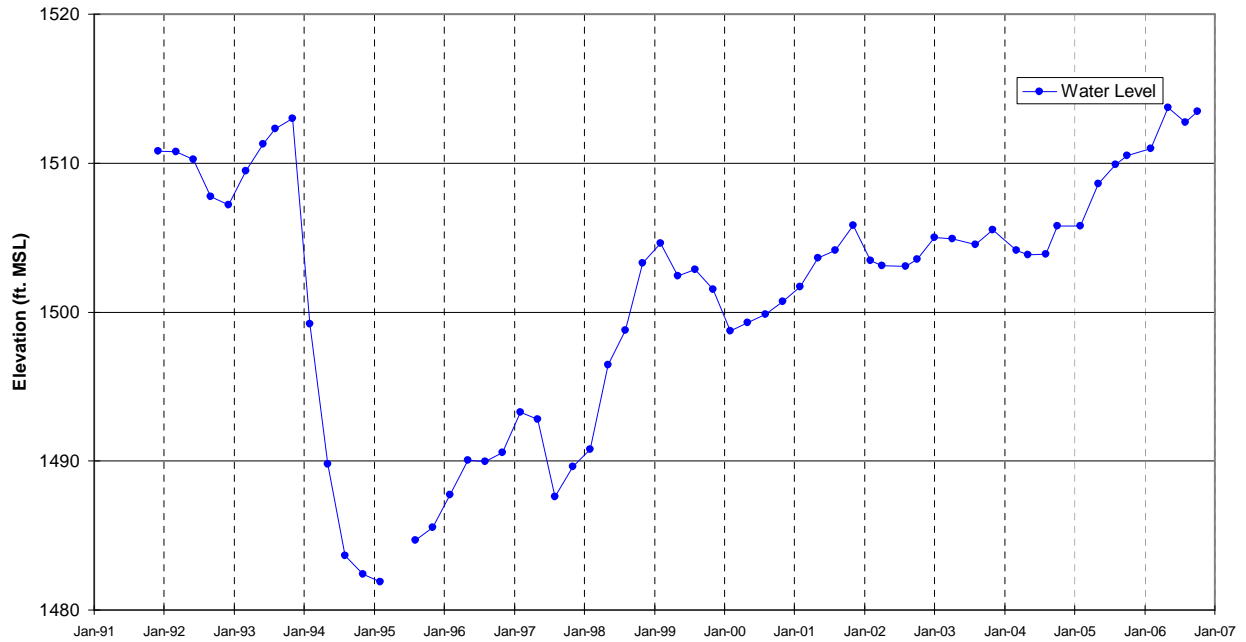
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-31
Figure A-125



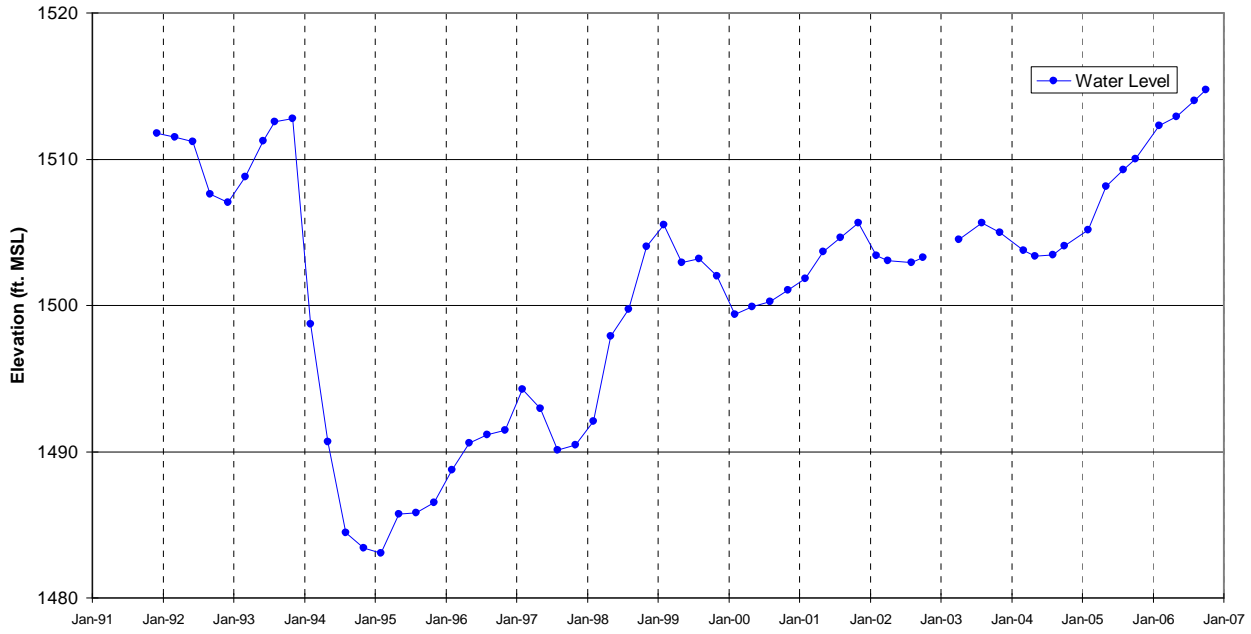
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-32
Figure A-126



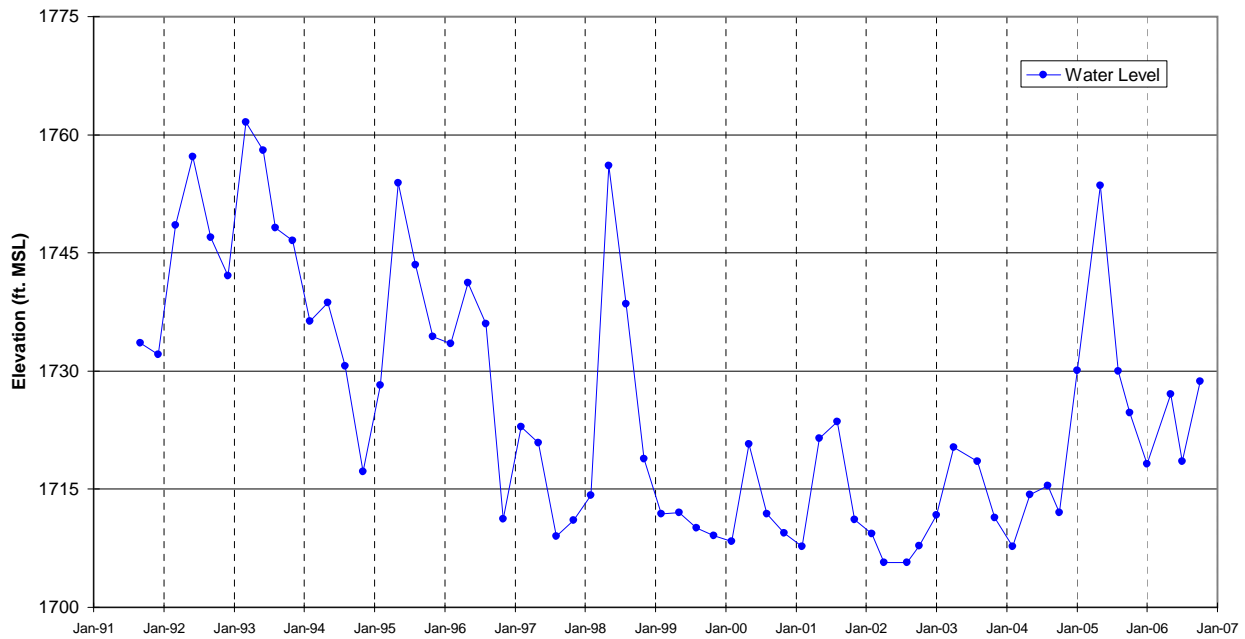
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-33A
Figure A-127



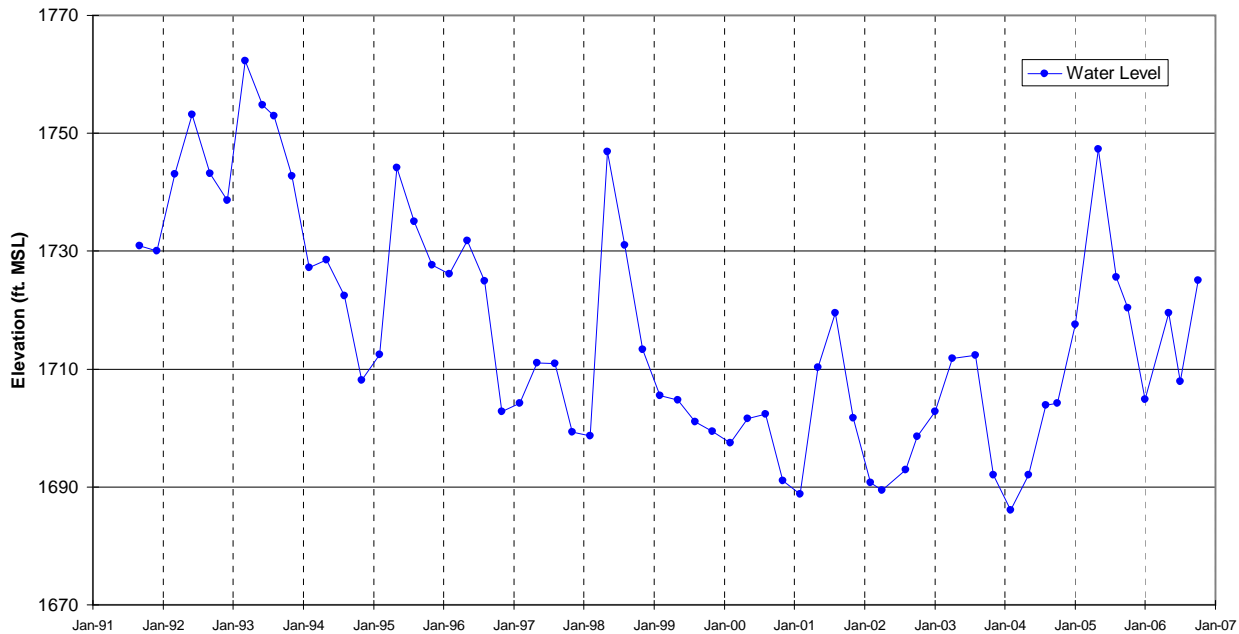
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-33B
Figure A-128



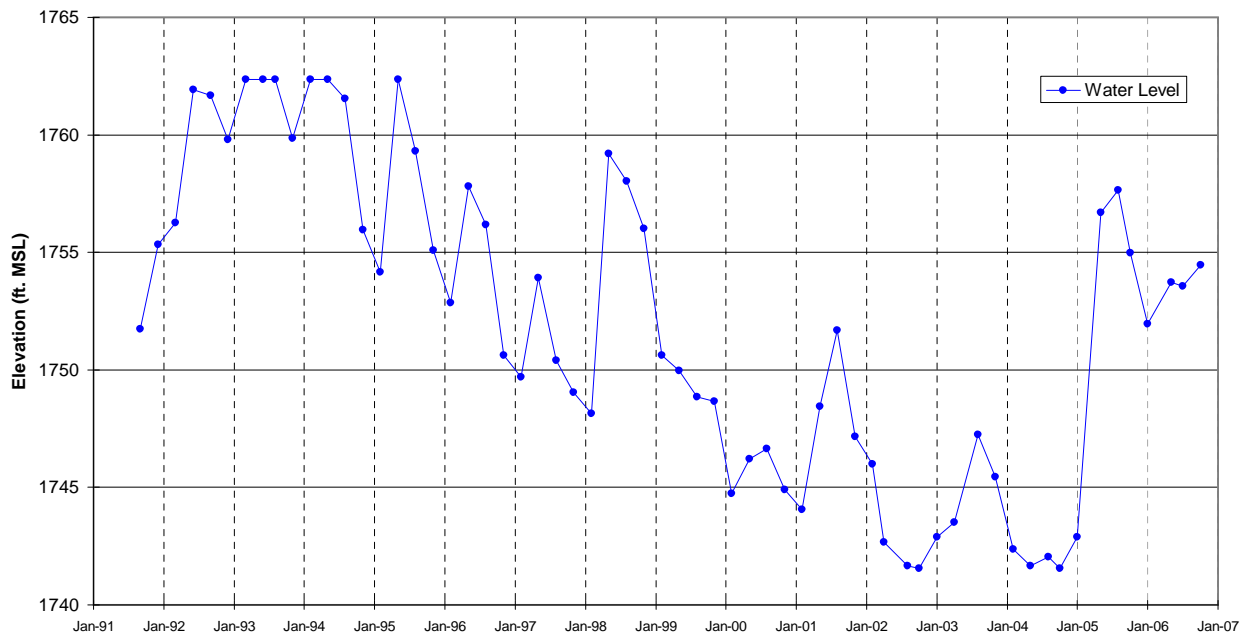
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-33C
Figure A-129



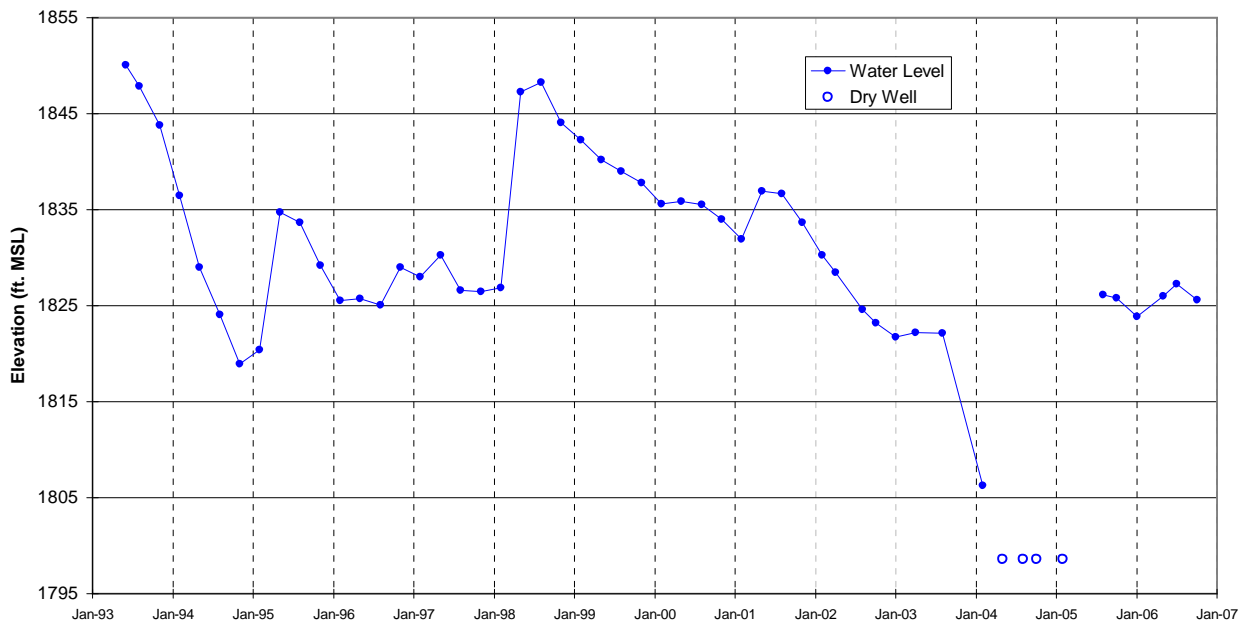
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-34A
Figure A-130



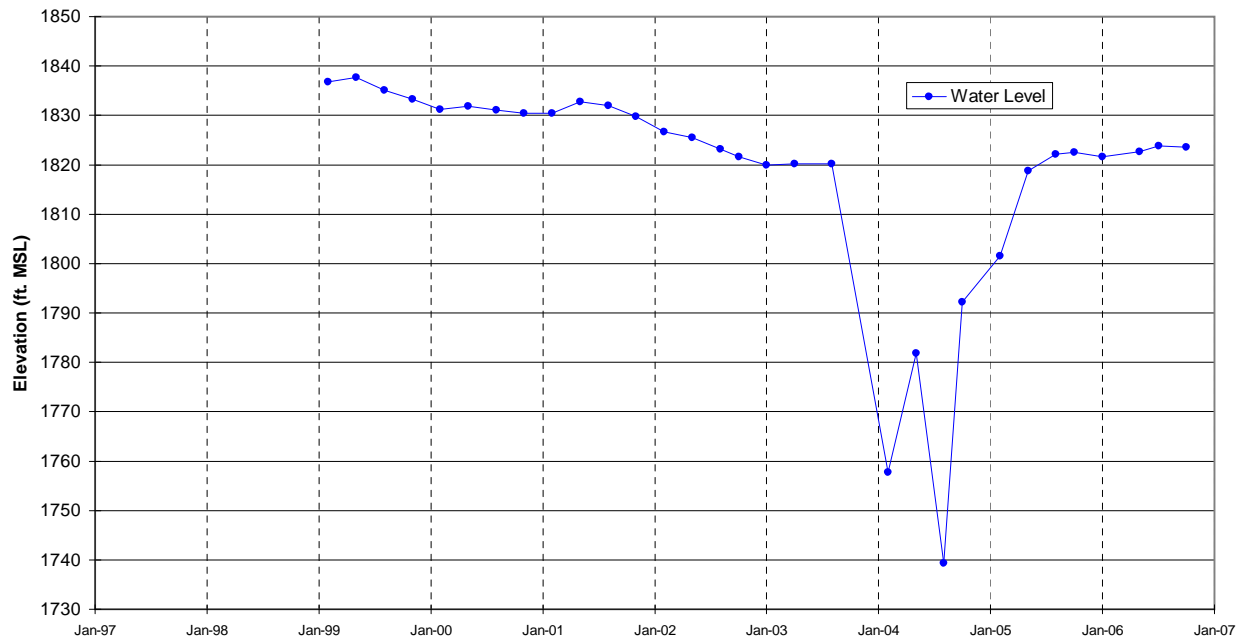
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-34B
Figure A-131



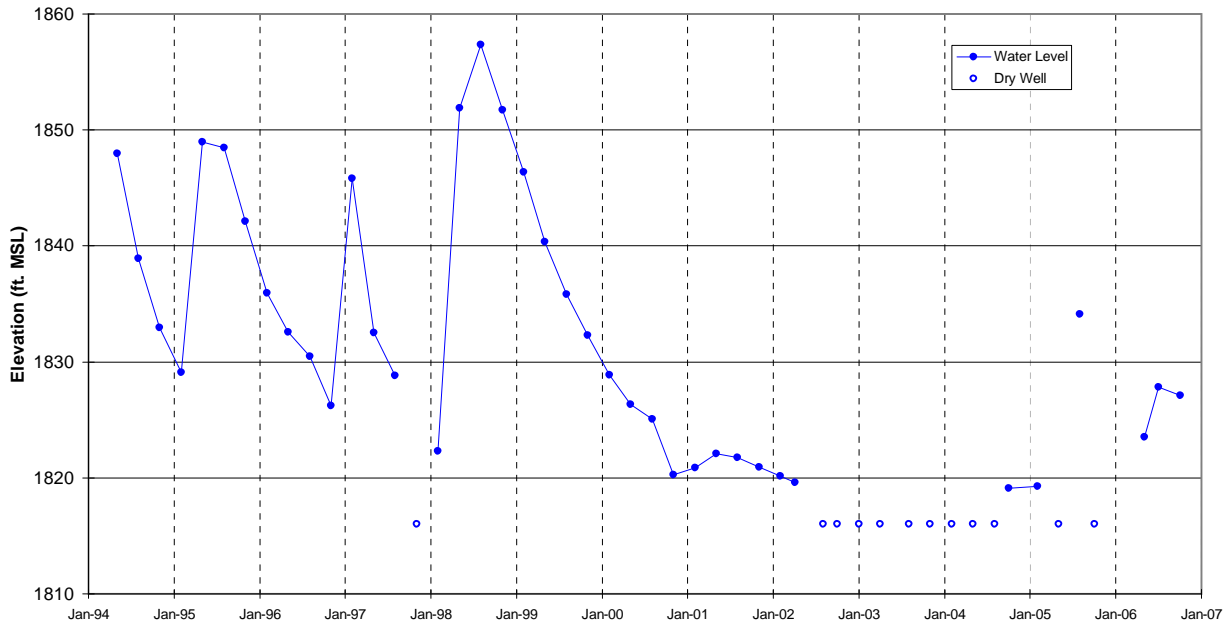
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-34C
Figure A-132



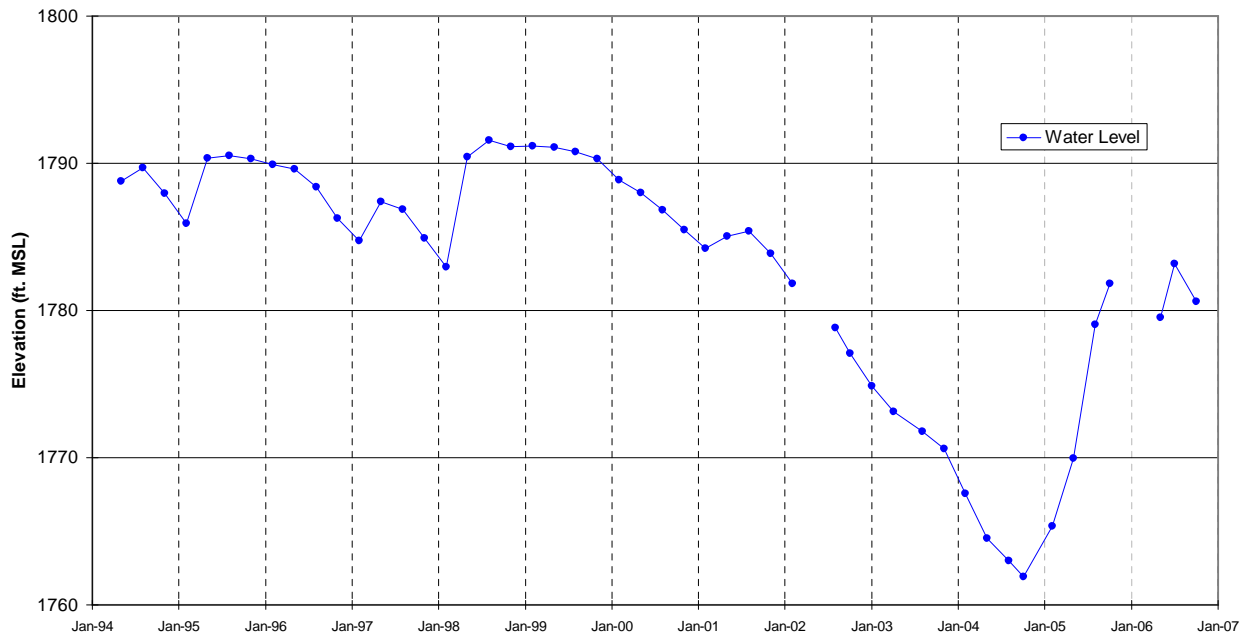
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-35A
Figure A-133



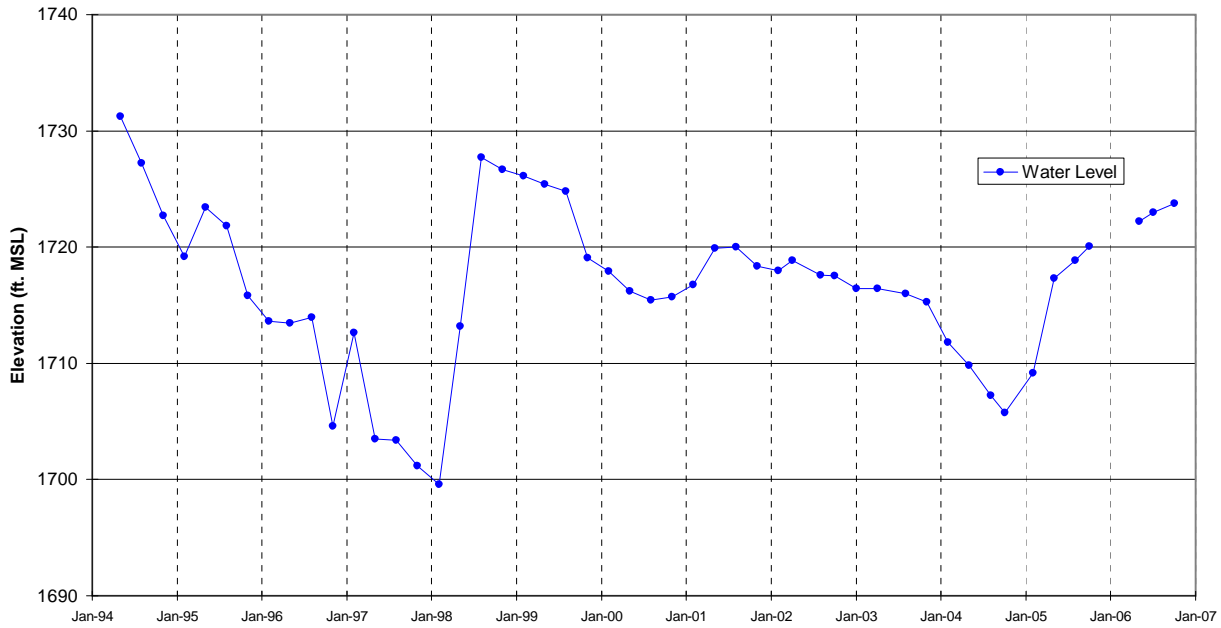
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-35B
Figure A-134



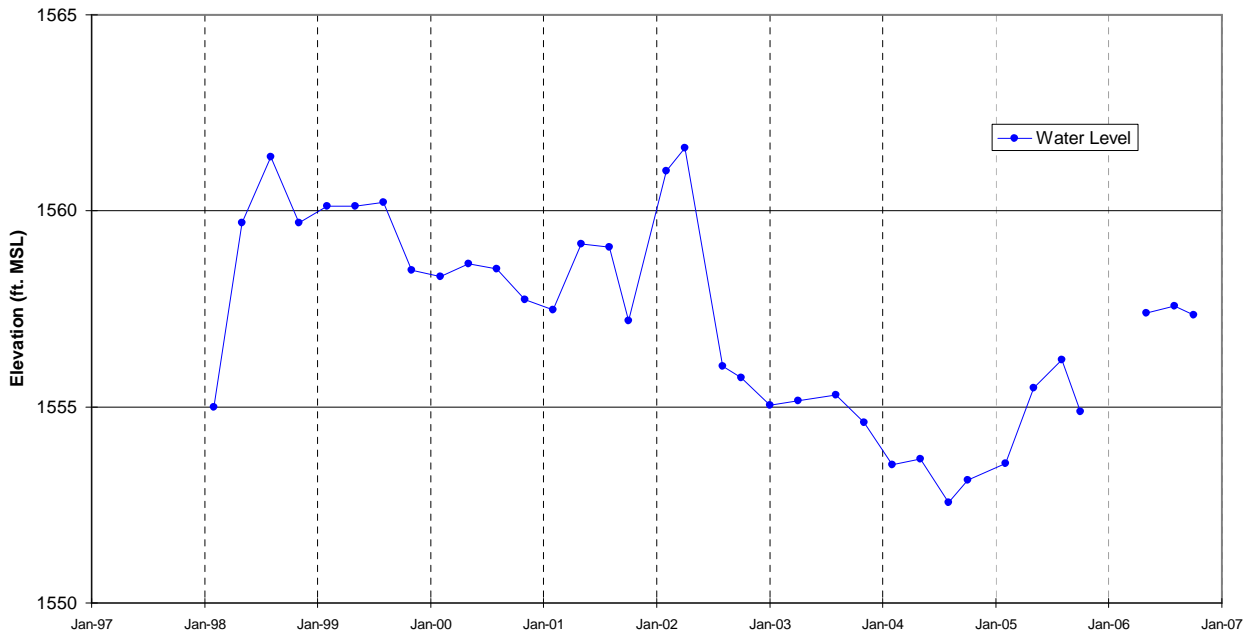
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-36A
Figure A-135



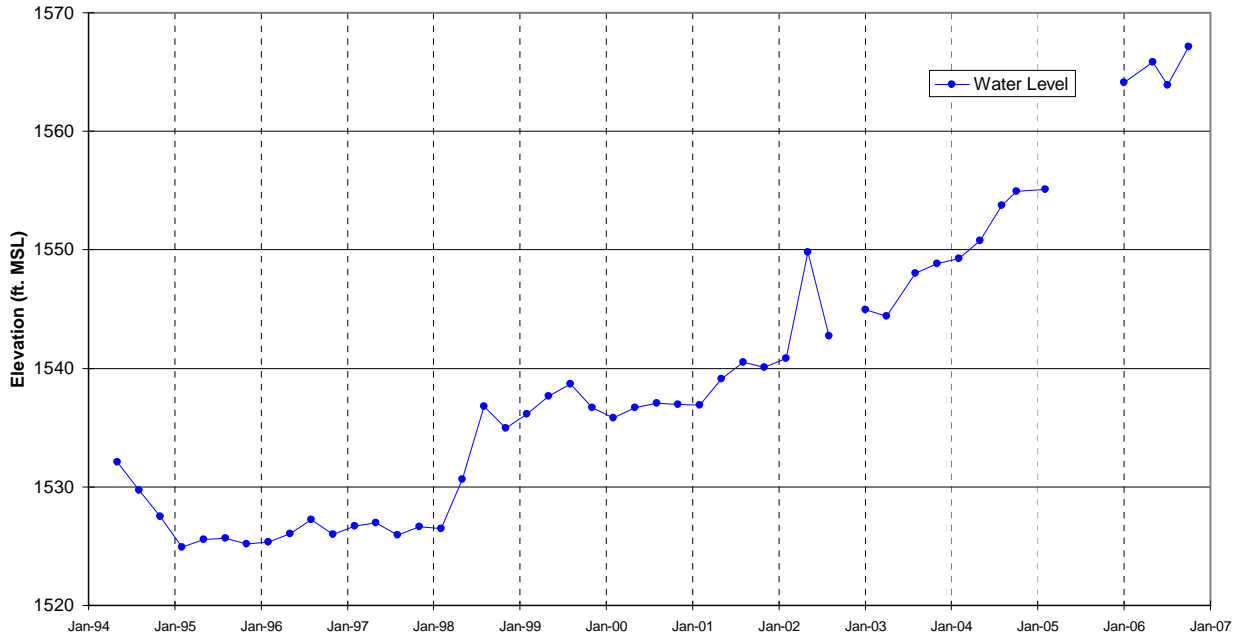
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-36B
Figure A-136



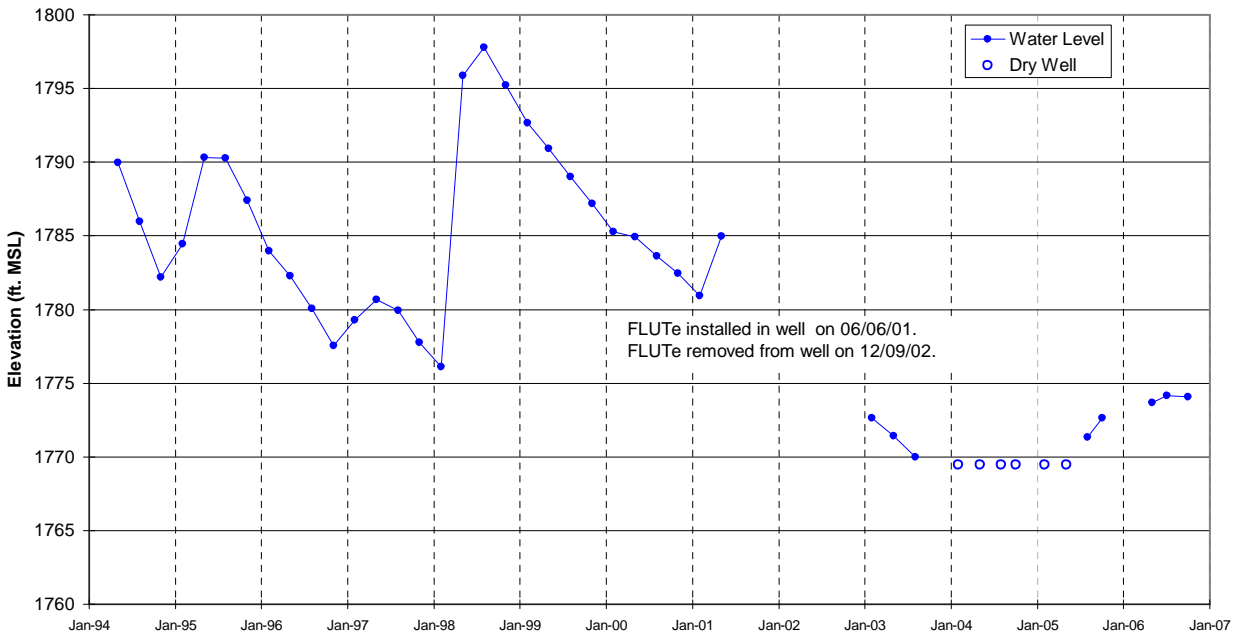
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-36C
Figure A-137



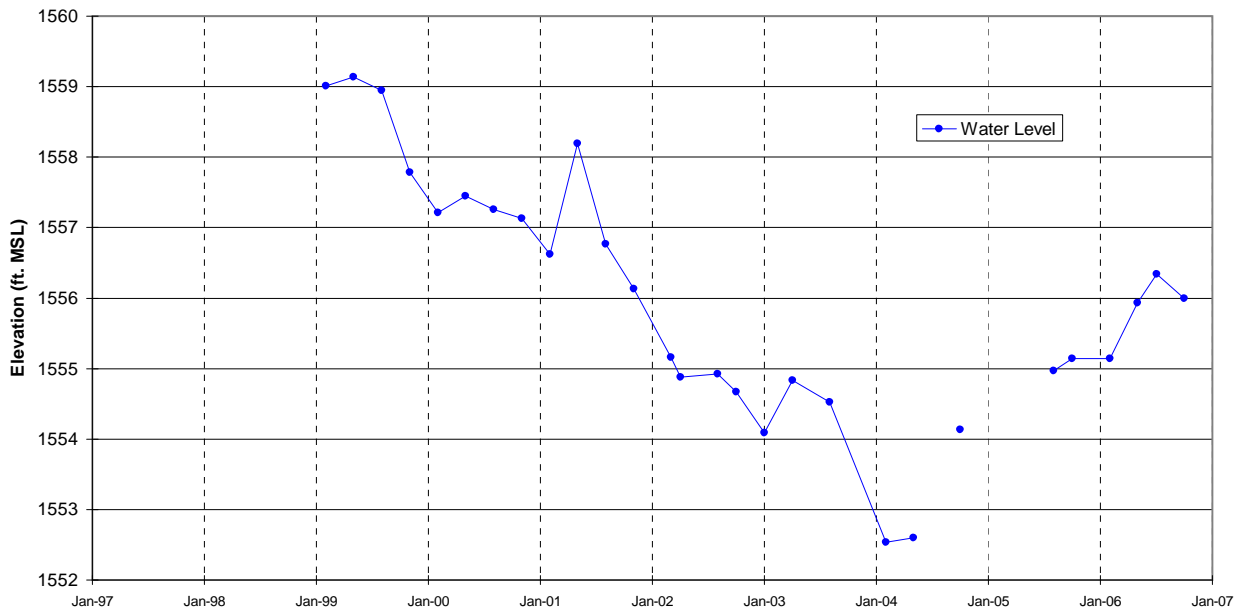
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-36D
Figure A-138



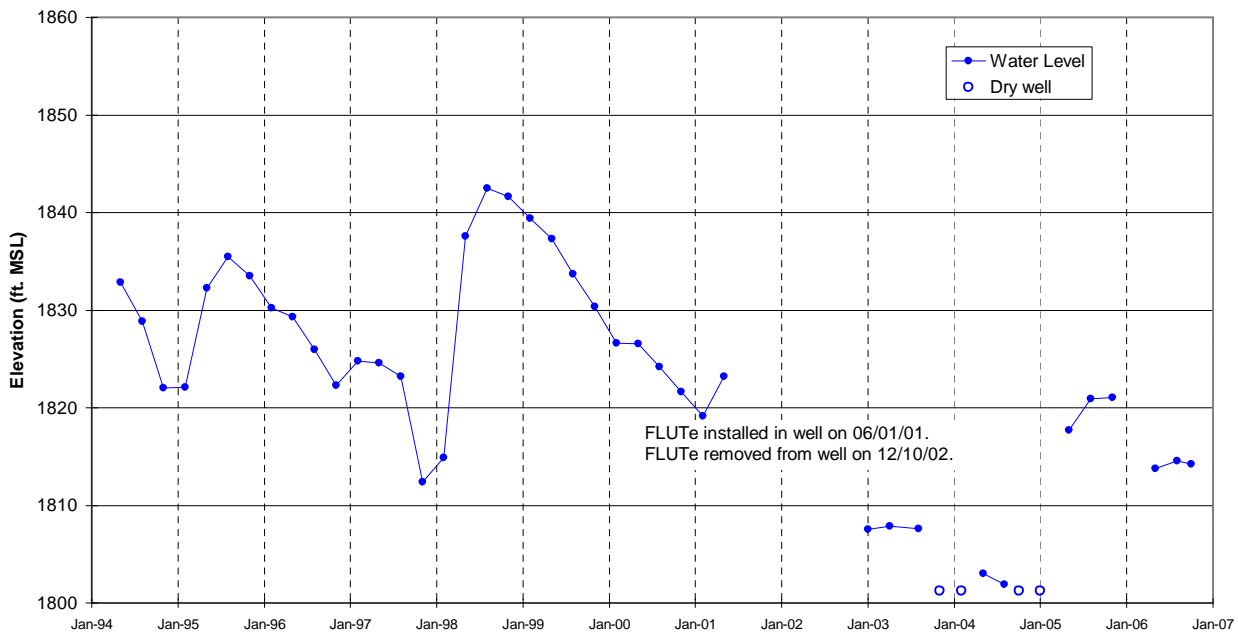
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-37
Figure A-139



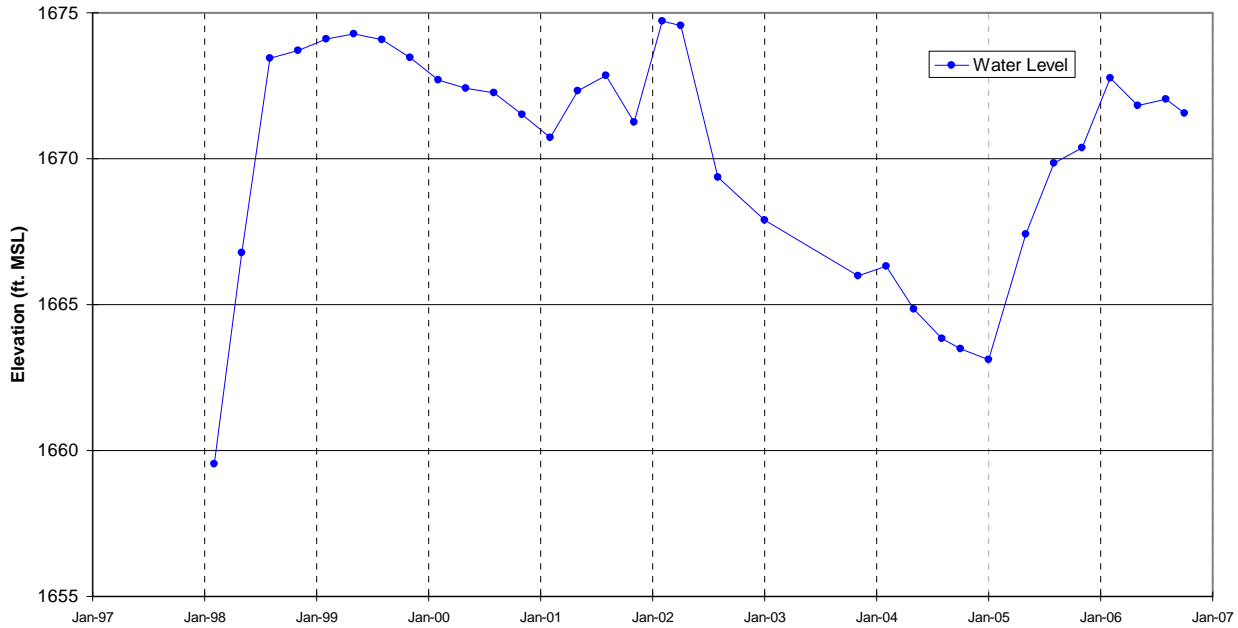
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-38A
Figure A-140



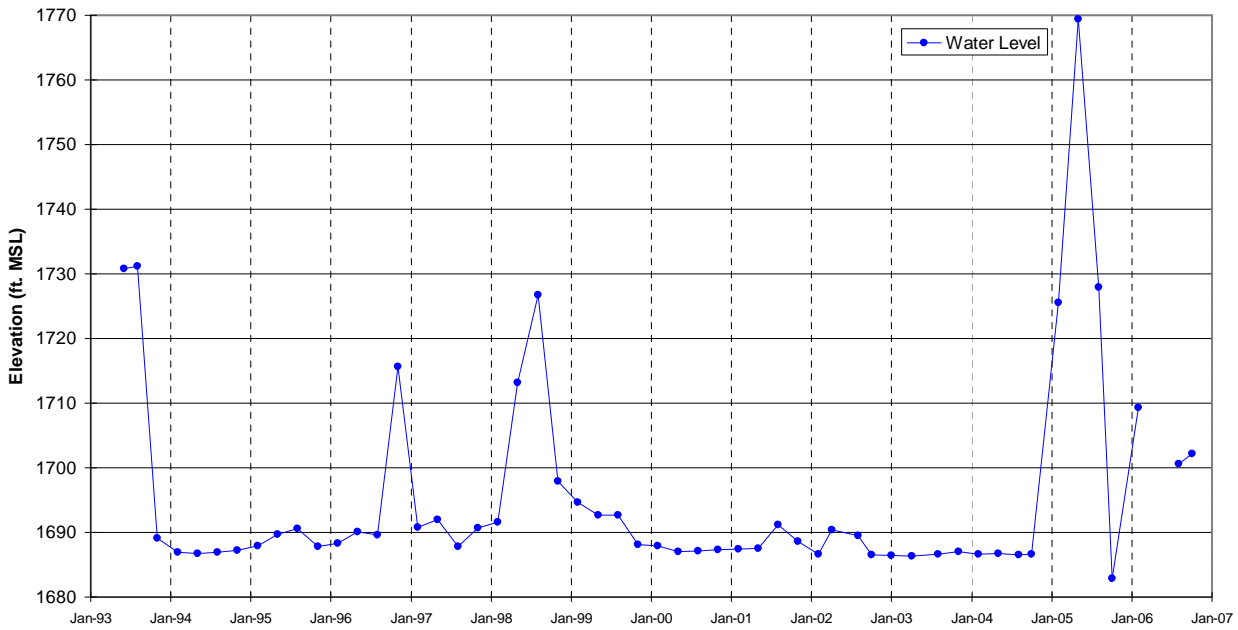
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-38B
Figure A-141



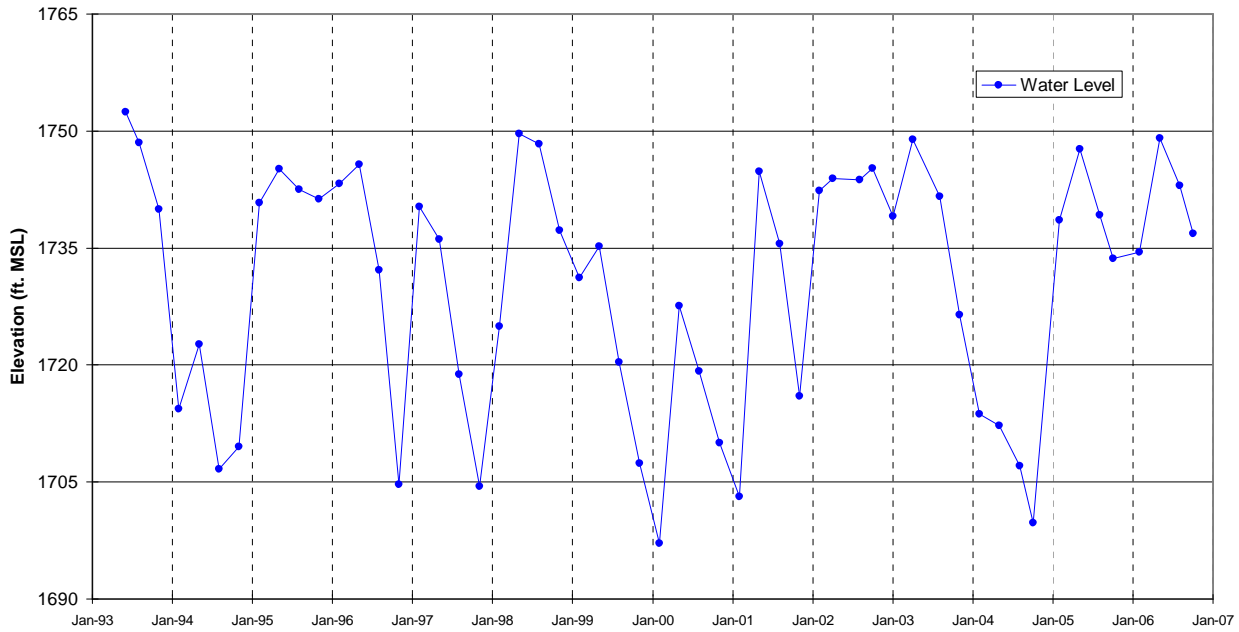
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-39A
Figure A-142



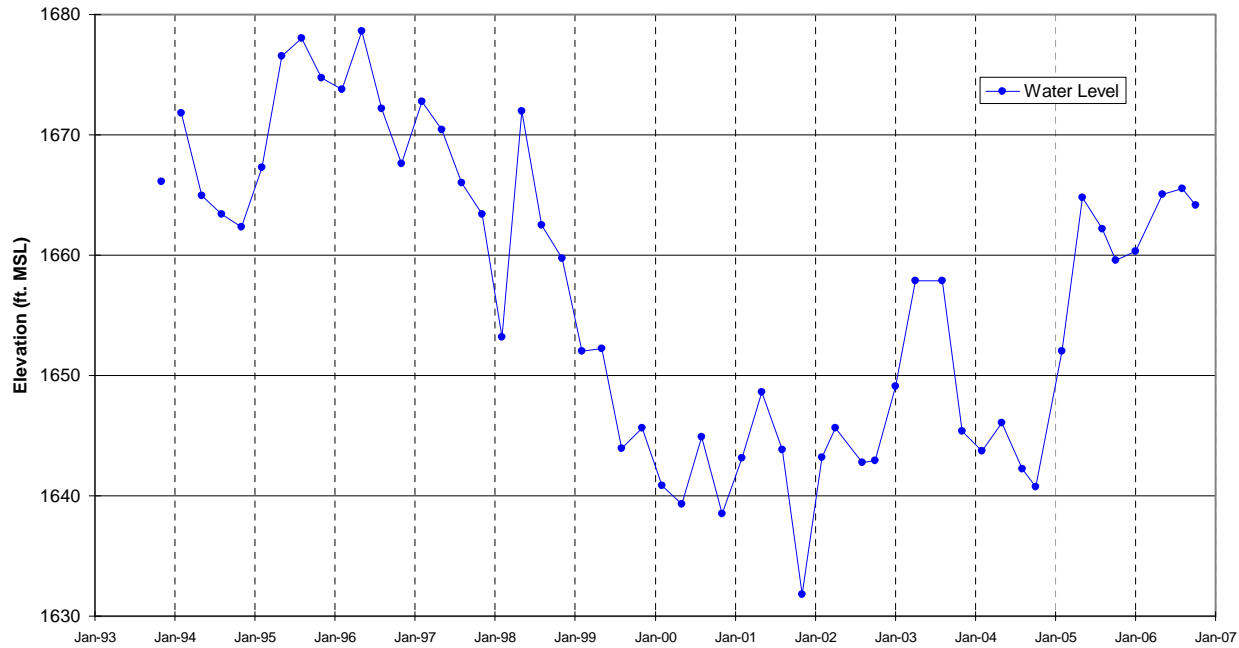
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-39B
Figure A-143



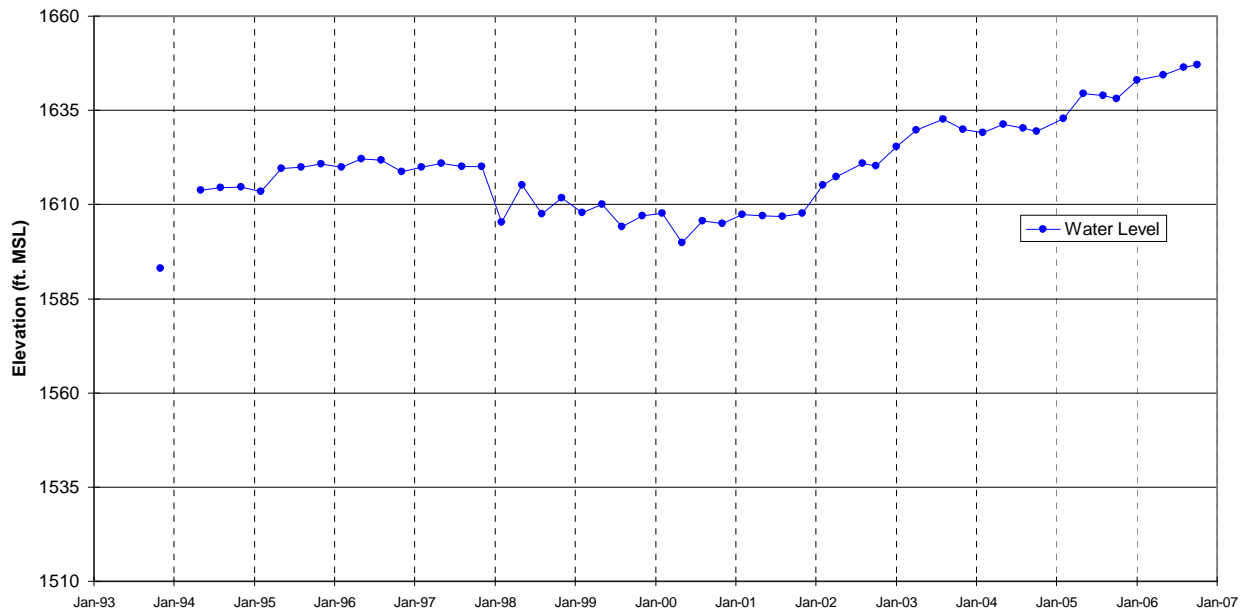
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-40
Figure A-144



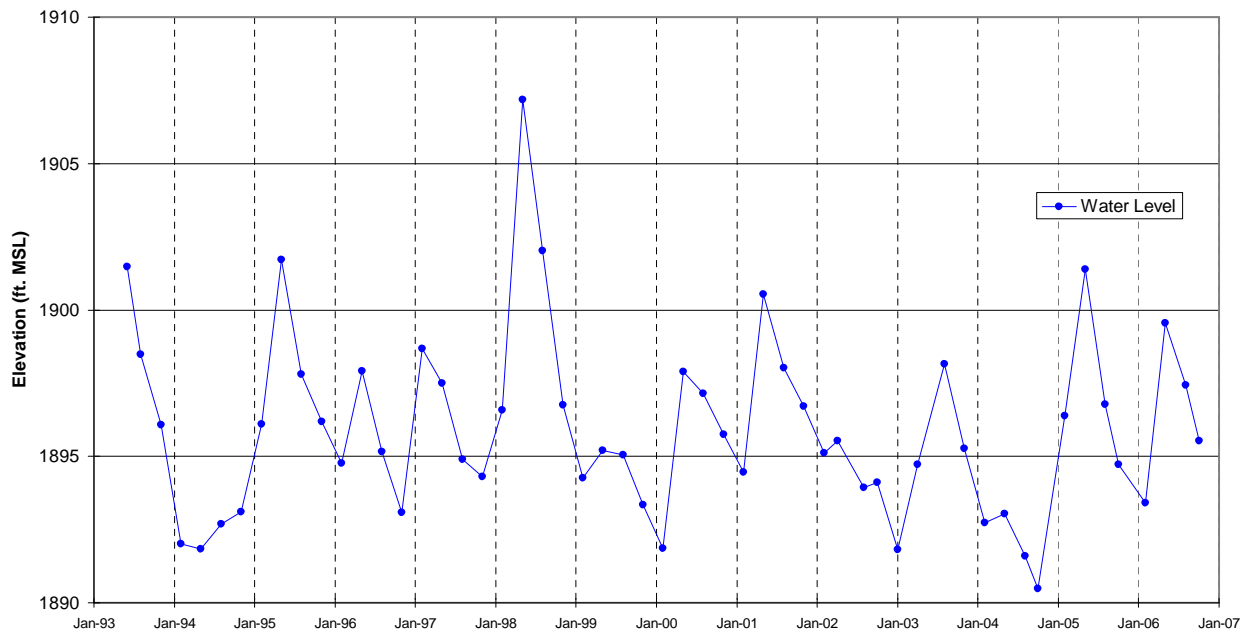
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-41A
Figure A-145



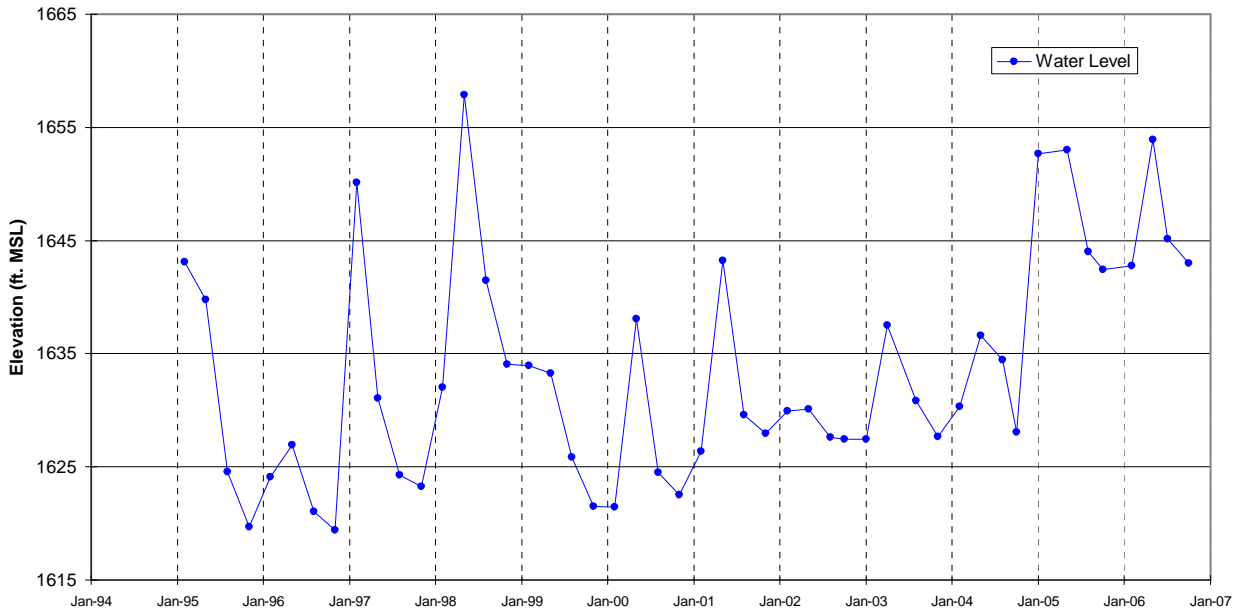
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-41B
Figure A-146



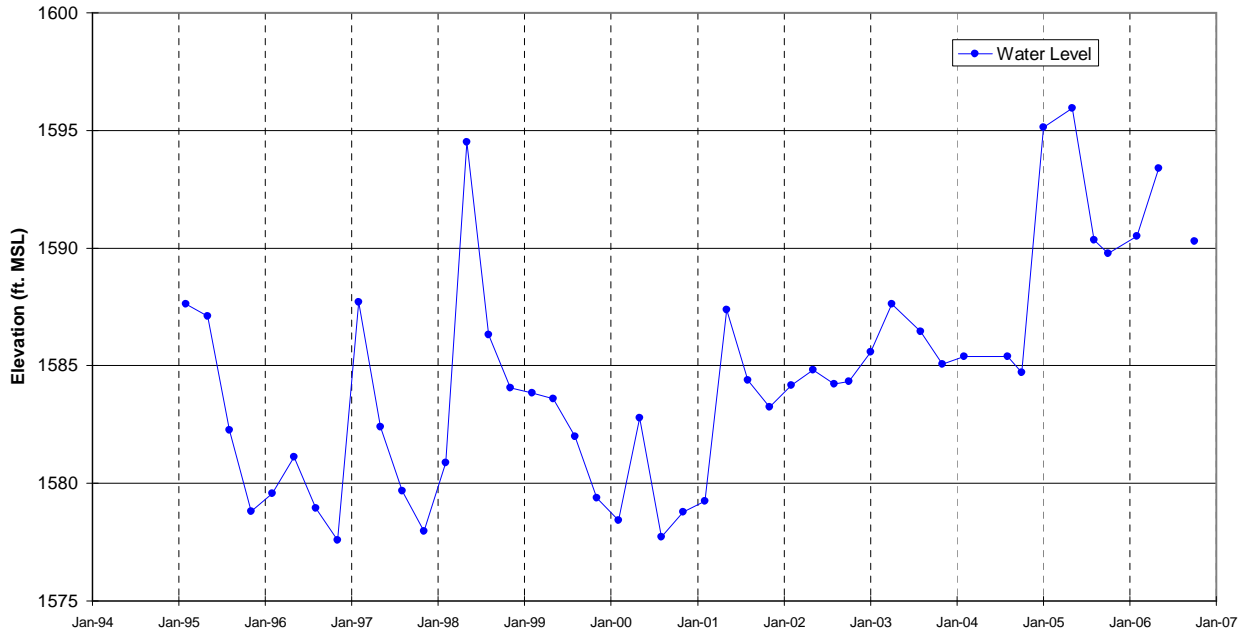
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-41C
Figure A-147



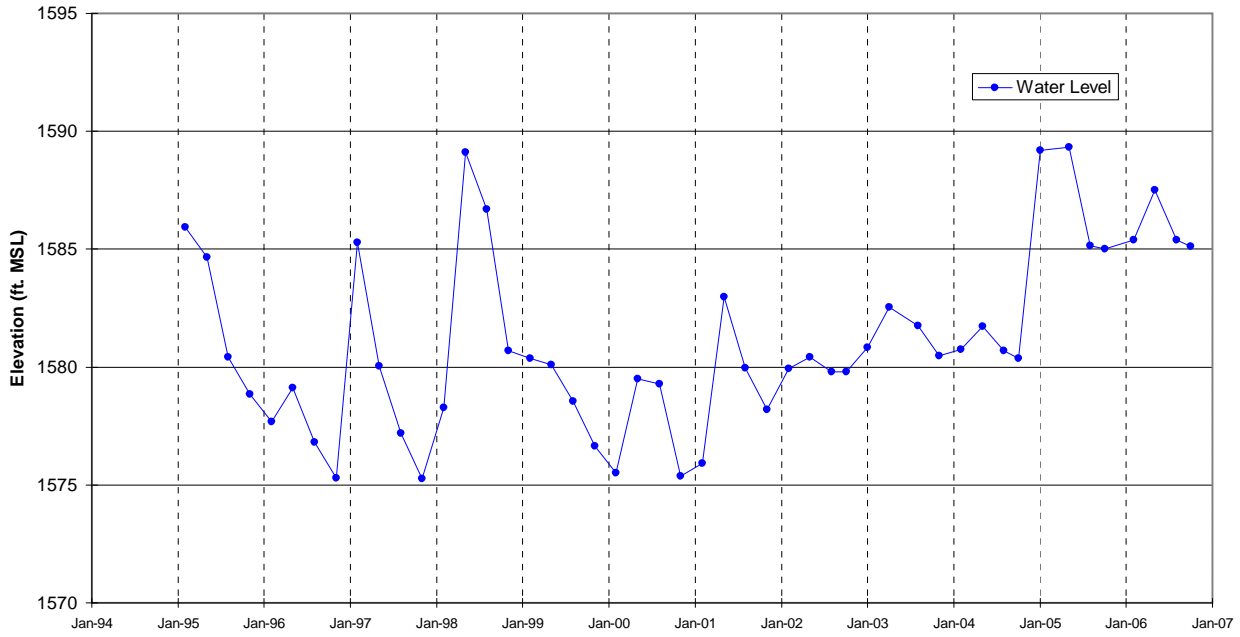
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-42
Figure A-148



WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-43A
 Figure A-149



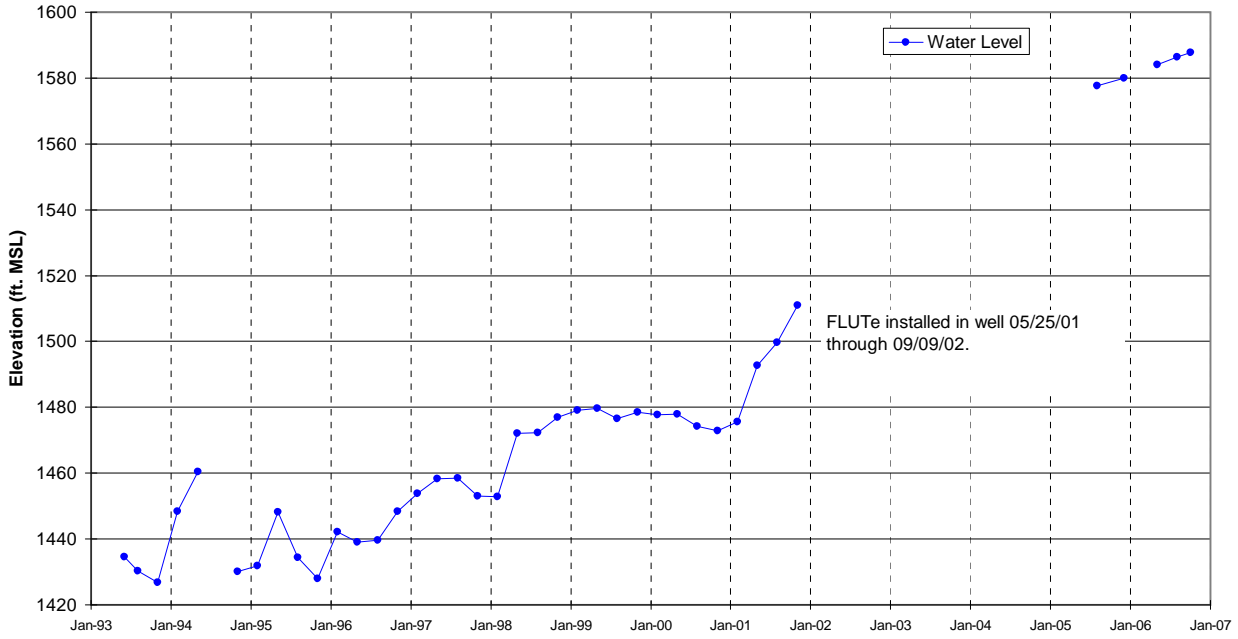
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-43B
 Figure A-150



WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-43C
Figure A-151



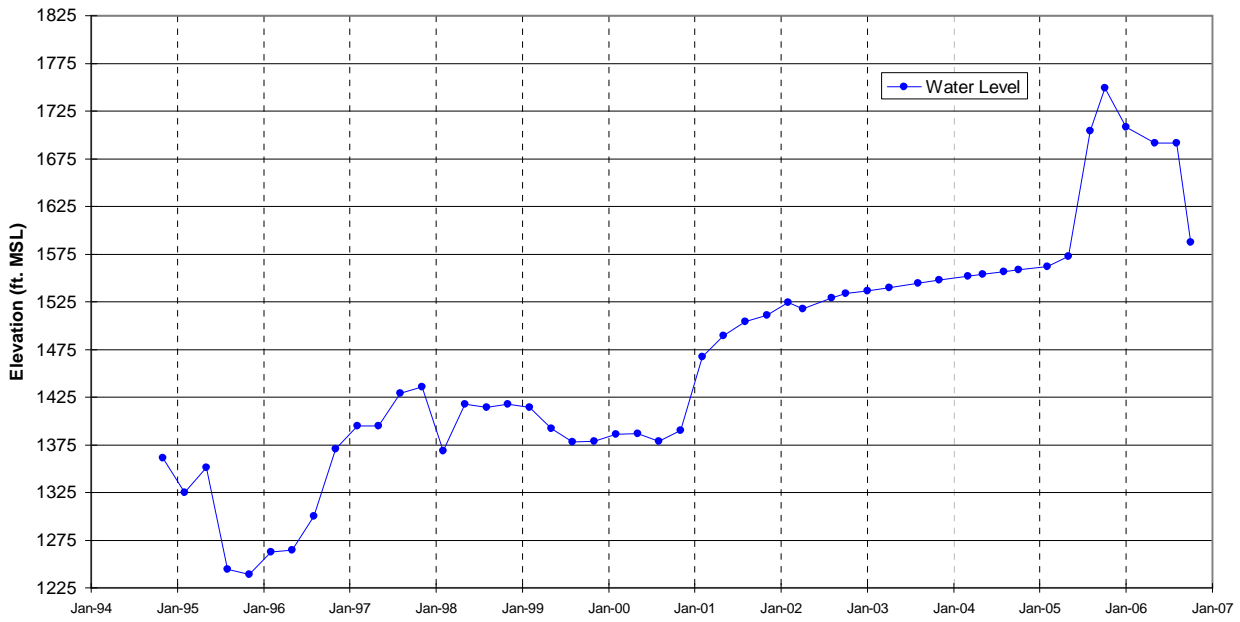
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-44
Figure A-152



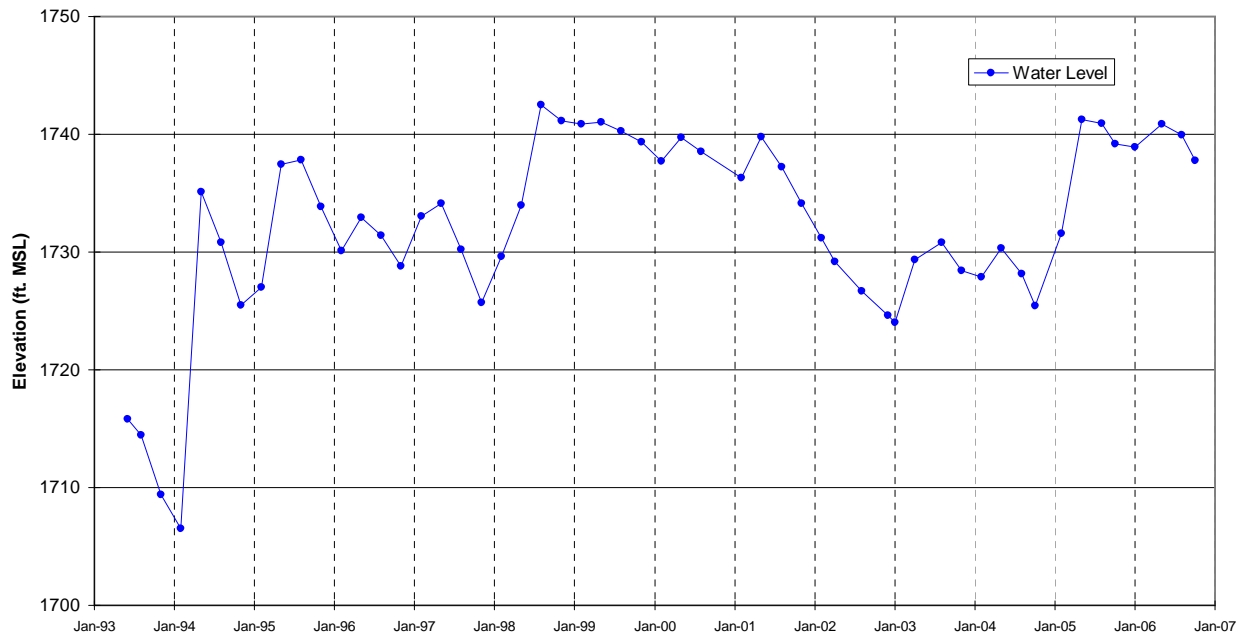
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-45A
Figure A-153



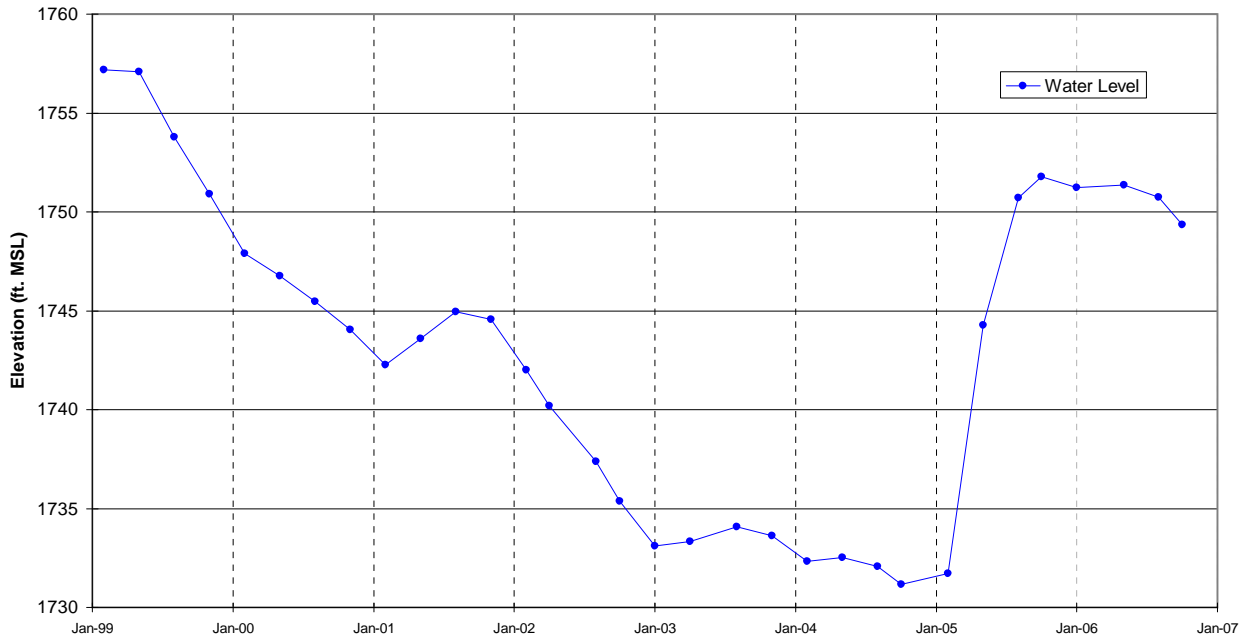
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-45B
Figure A-154



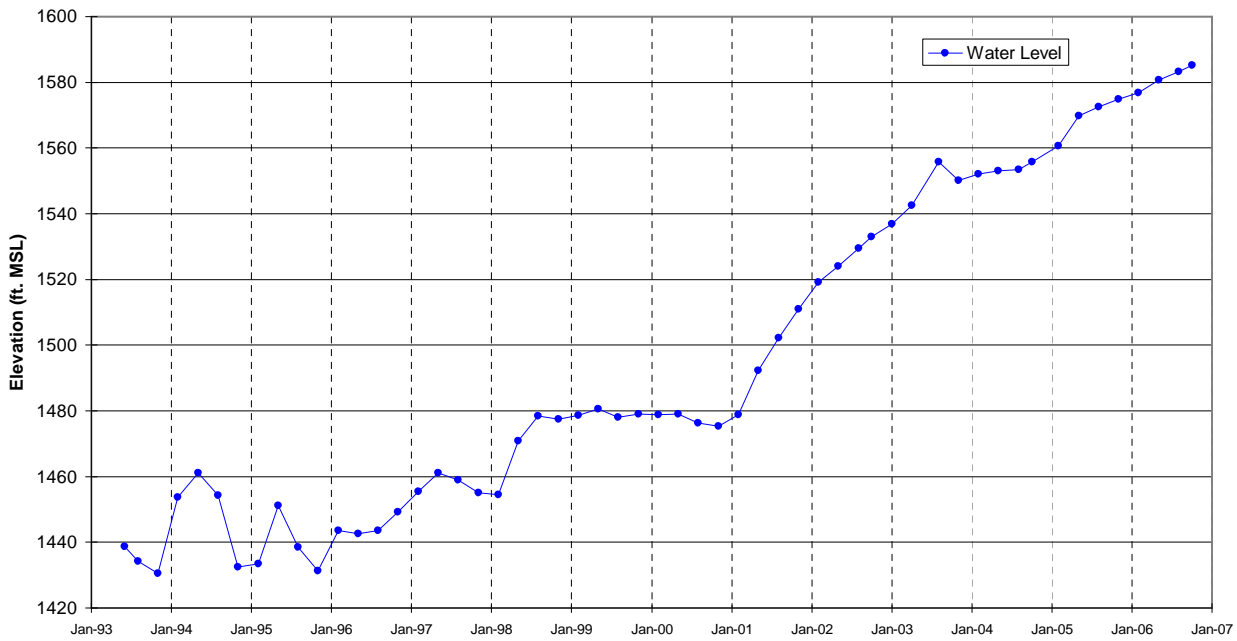
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-45C
Figure A-155



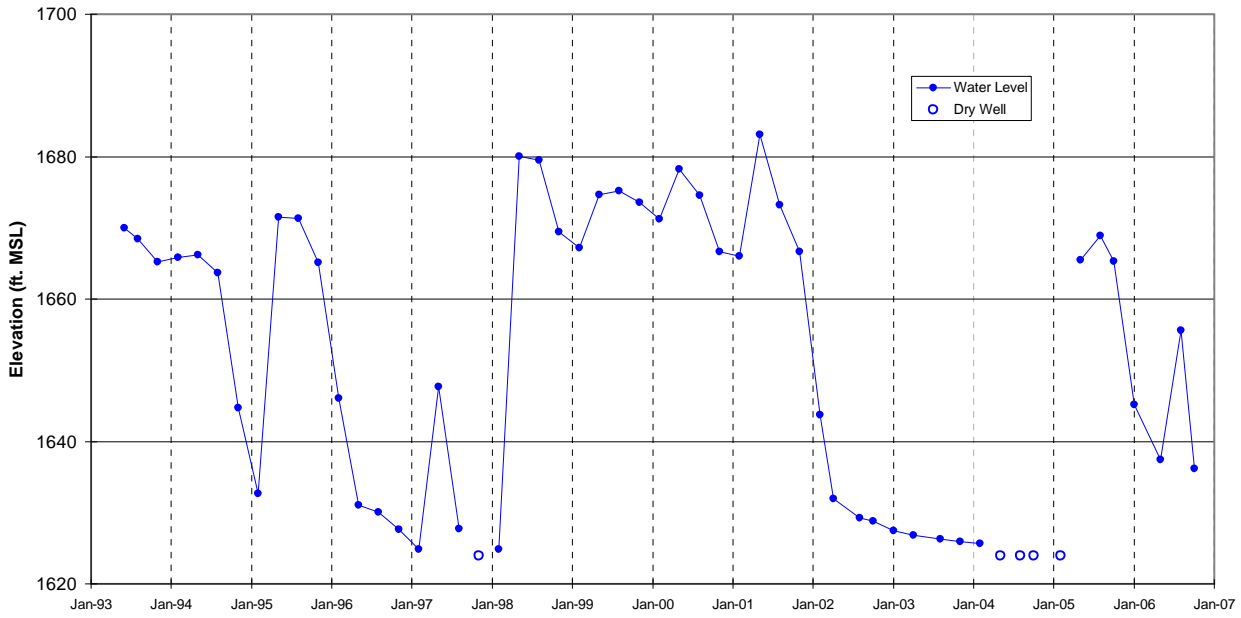
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-46A
Figure A-156



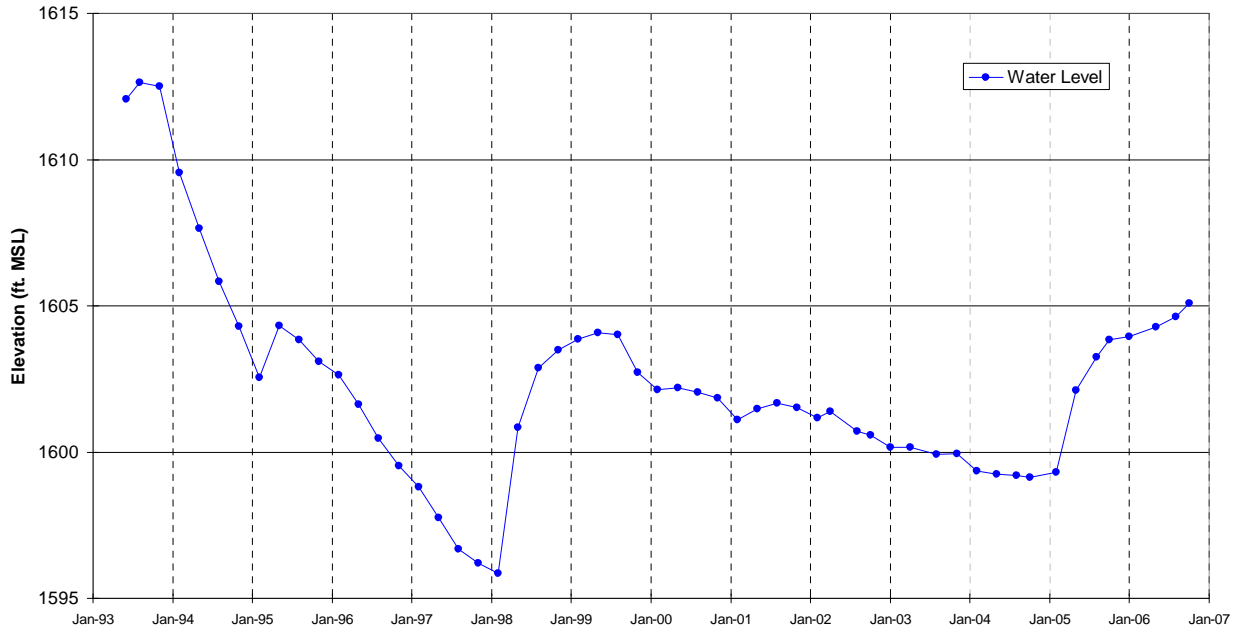
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-46B
Figure A-157



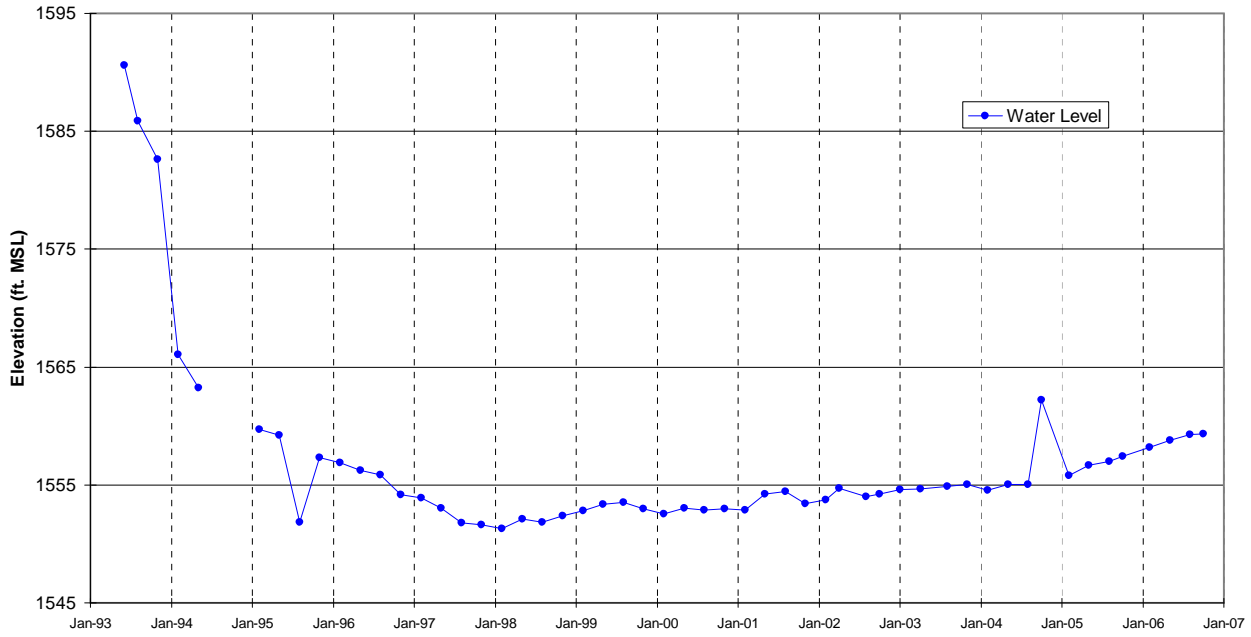
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-47
Figure A-158



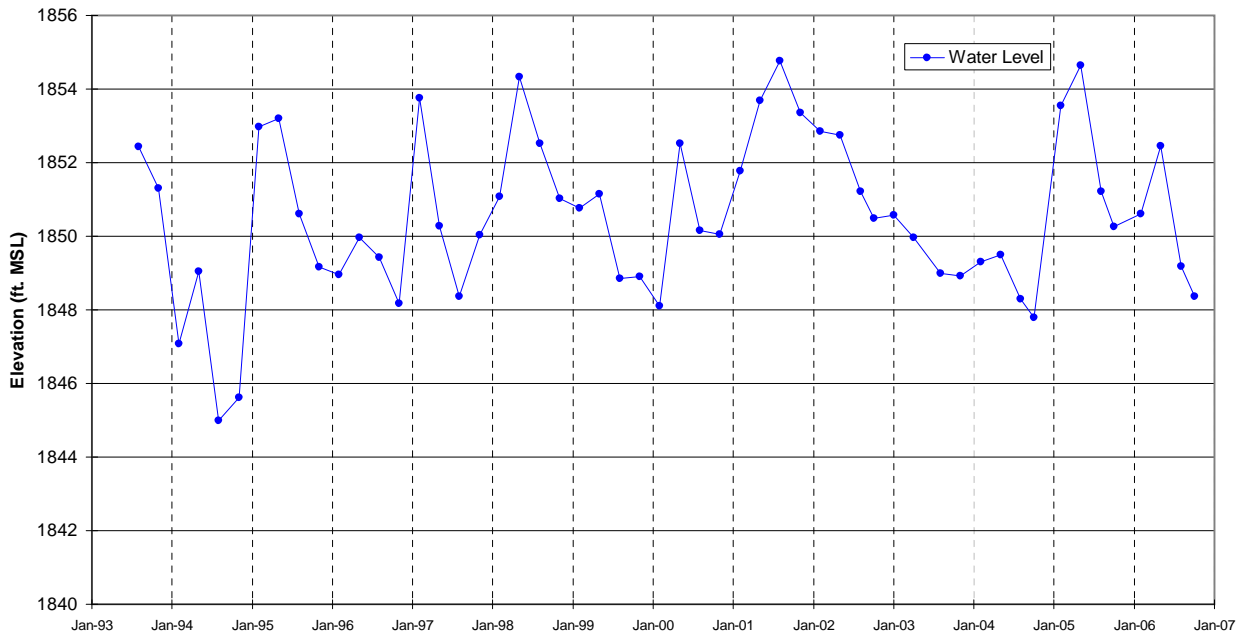
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-48A
Figure A-159



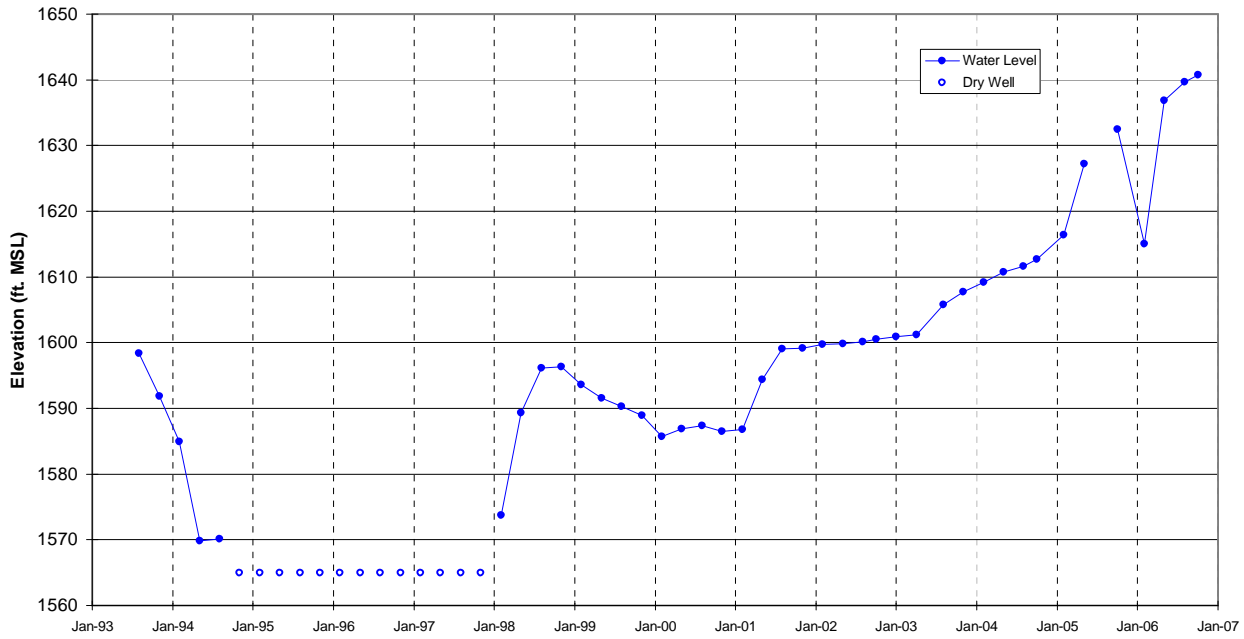
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-48B
Figure A-160



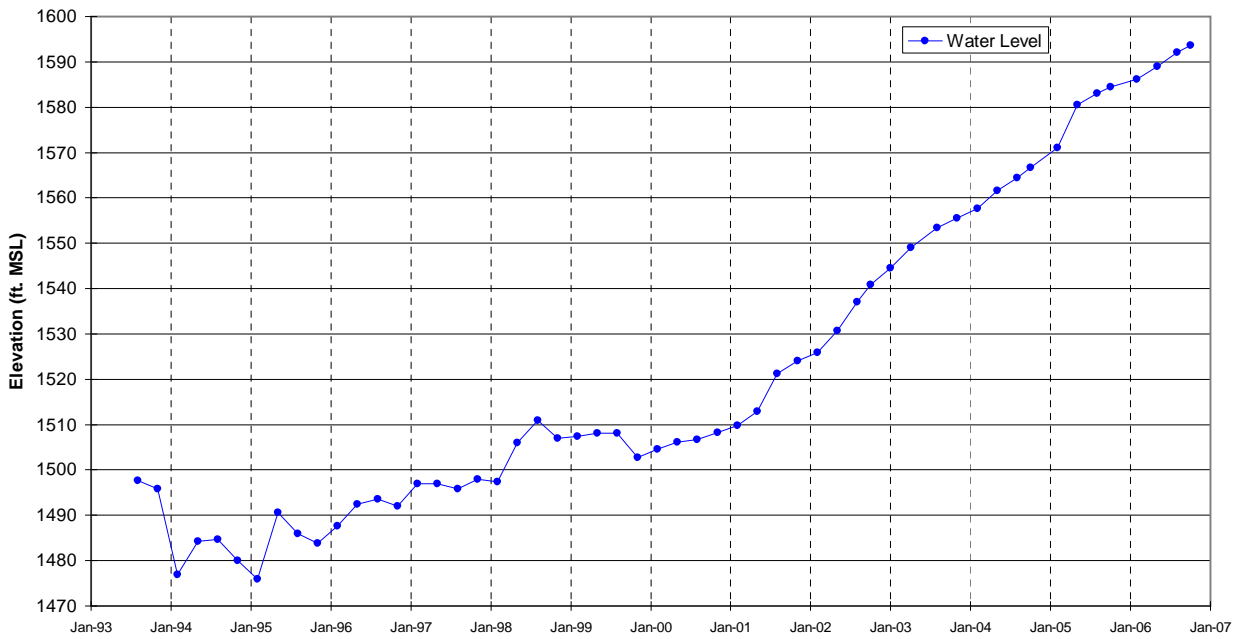
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-48C
 Figure A-161



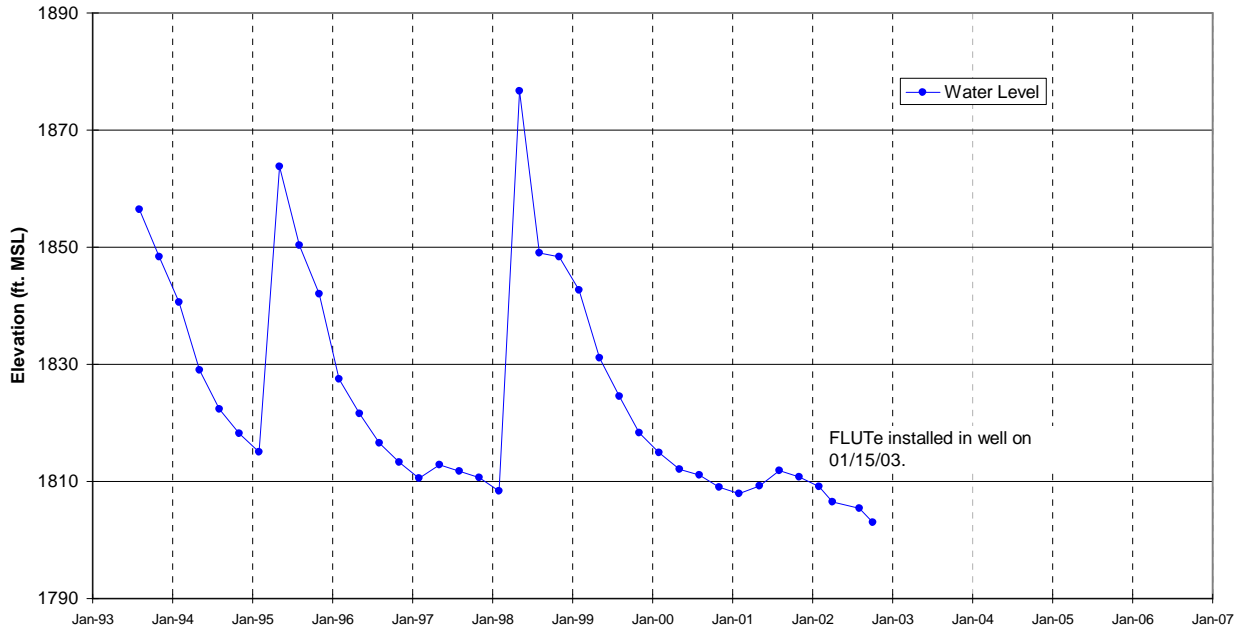
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-49A
 Figure A-162



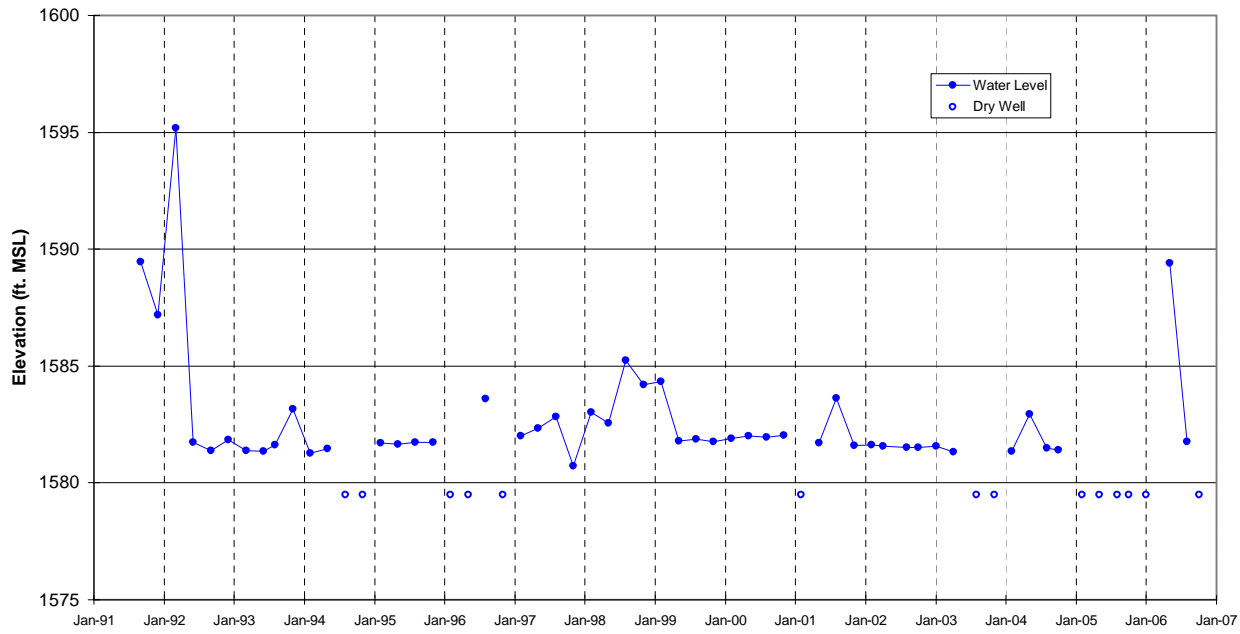
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-49B
Figure A-163



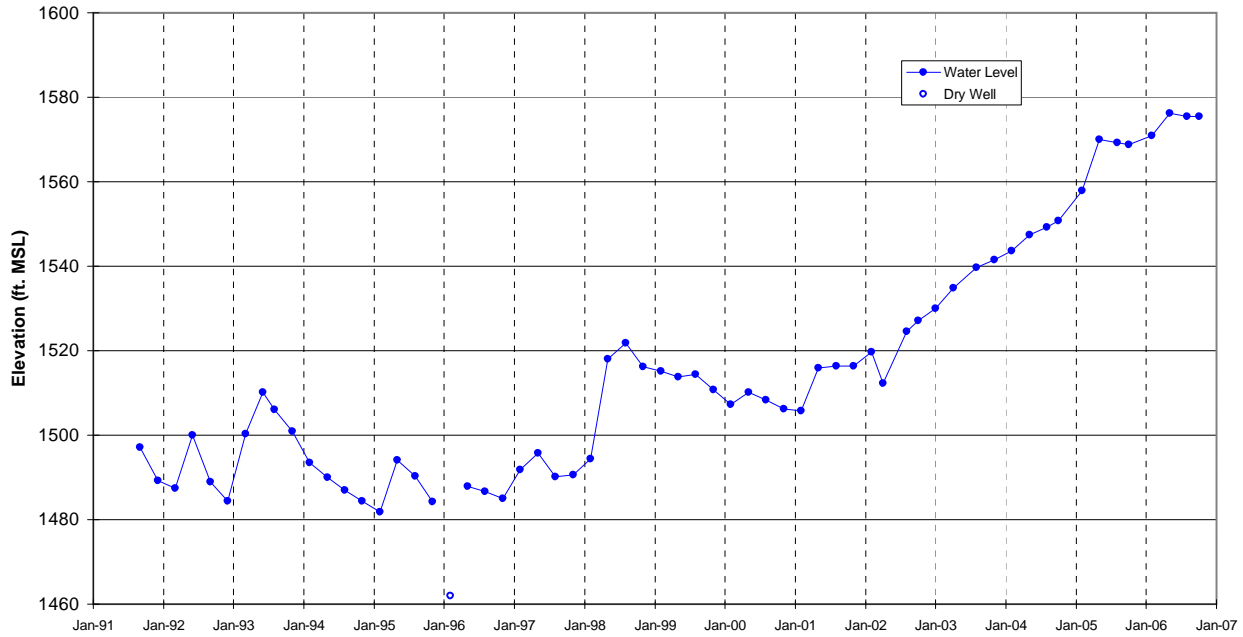
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-49C
Figure A-164



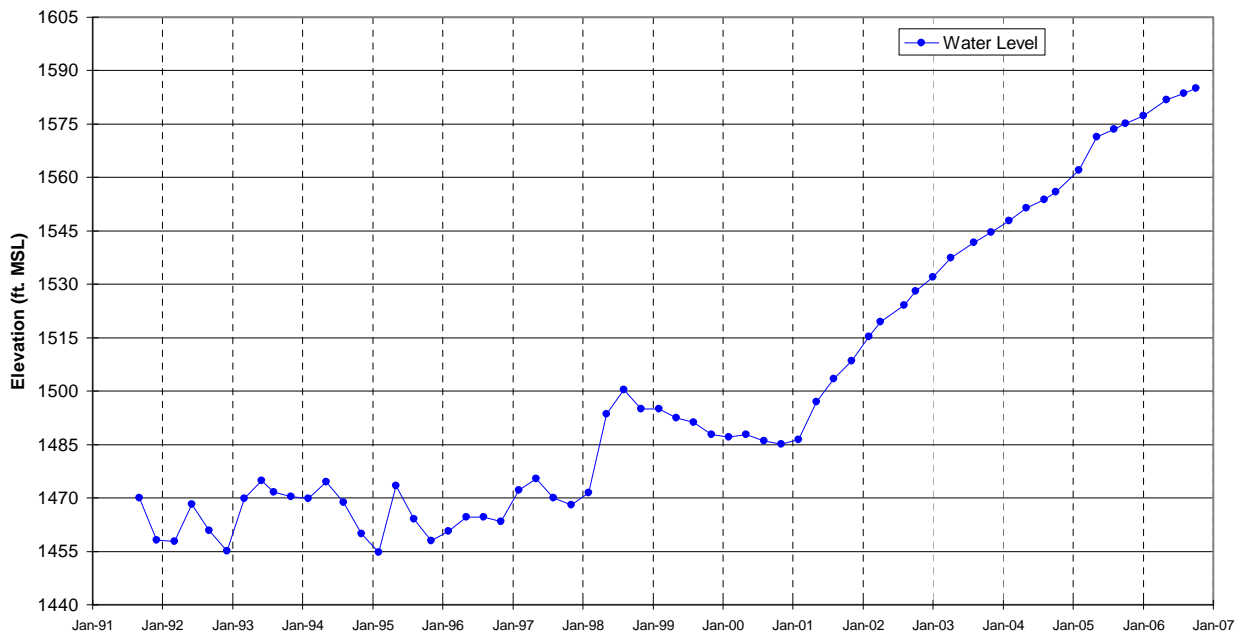
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-50
Figure A-165



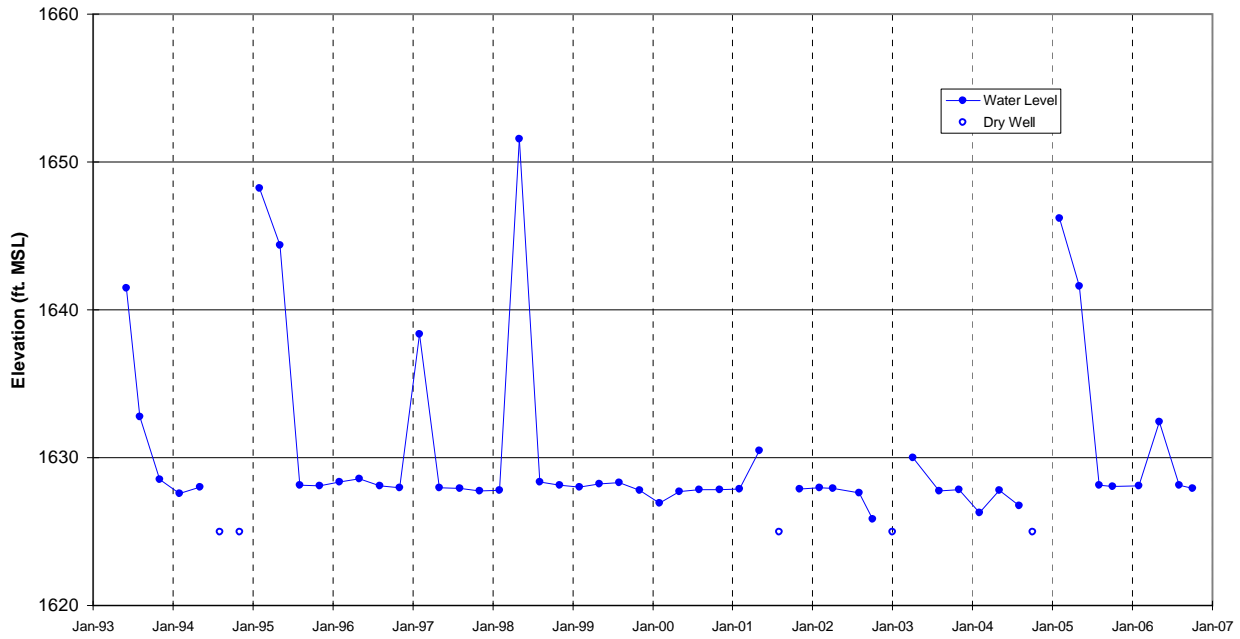
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-51A
Figure A-166



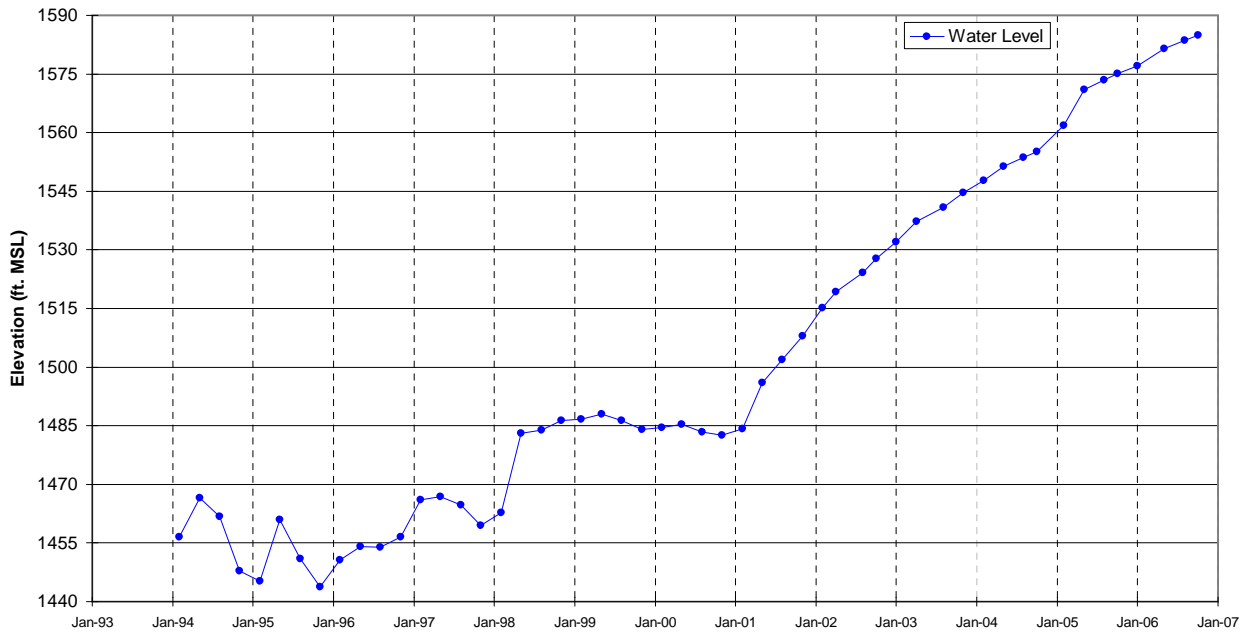
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-51B
Figure A-167



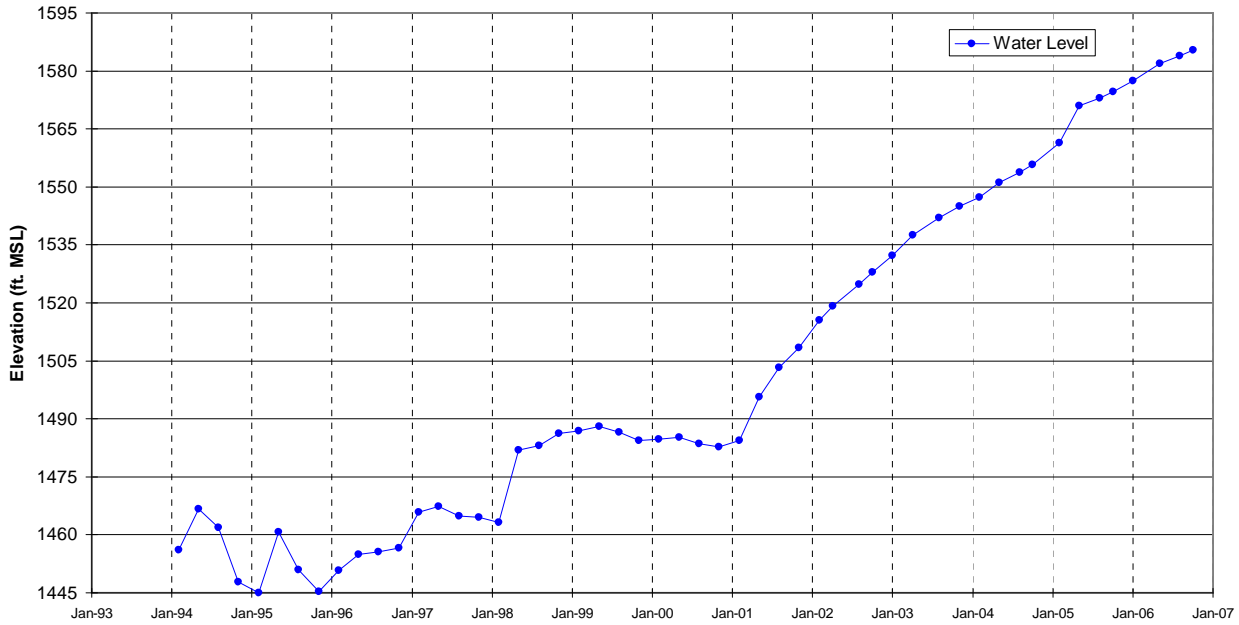
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-51C
Figure A-168



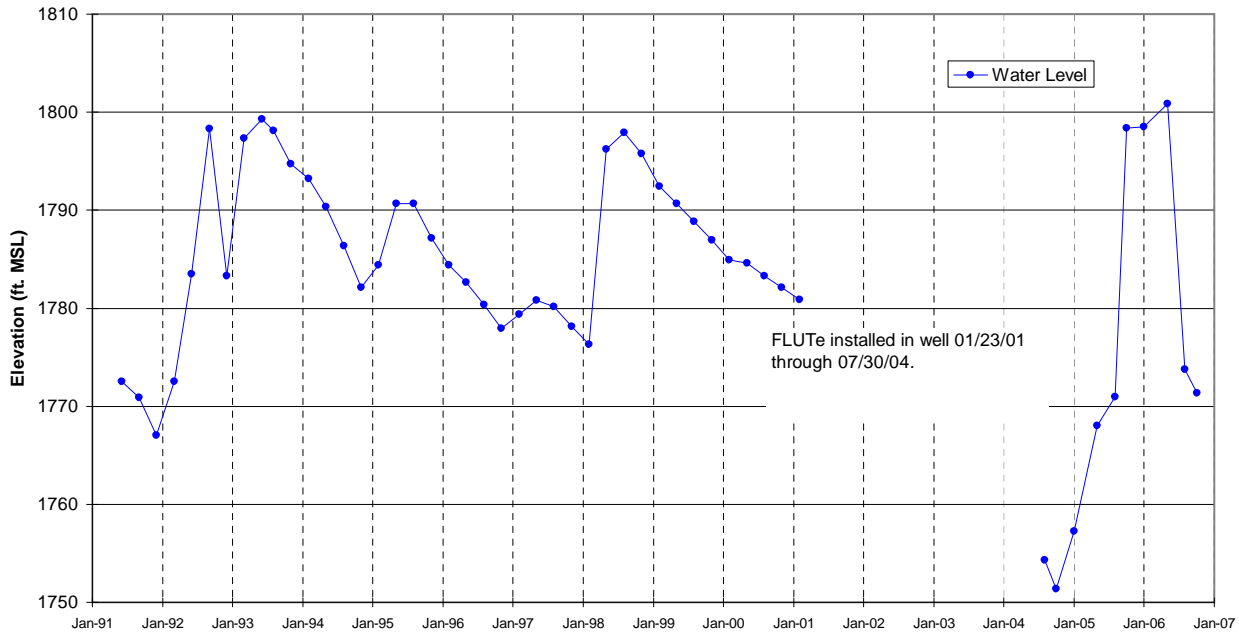
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-52A
Figure A-169



WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-52B
Figure A-170

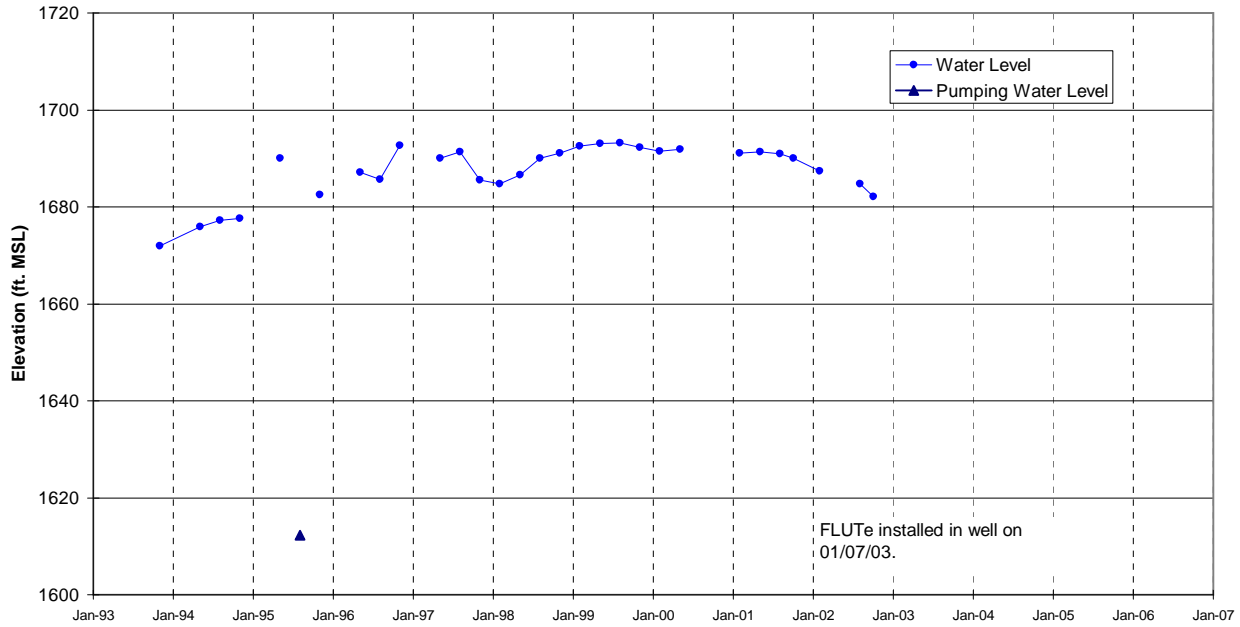


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-52C
Figure A-171

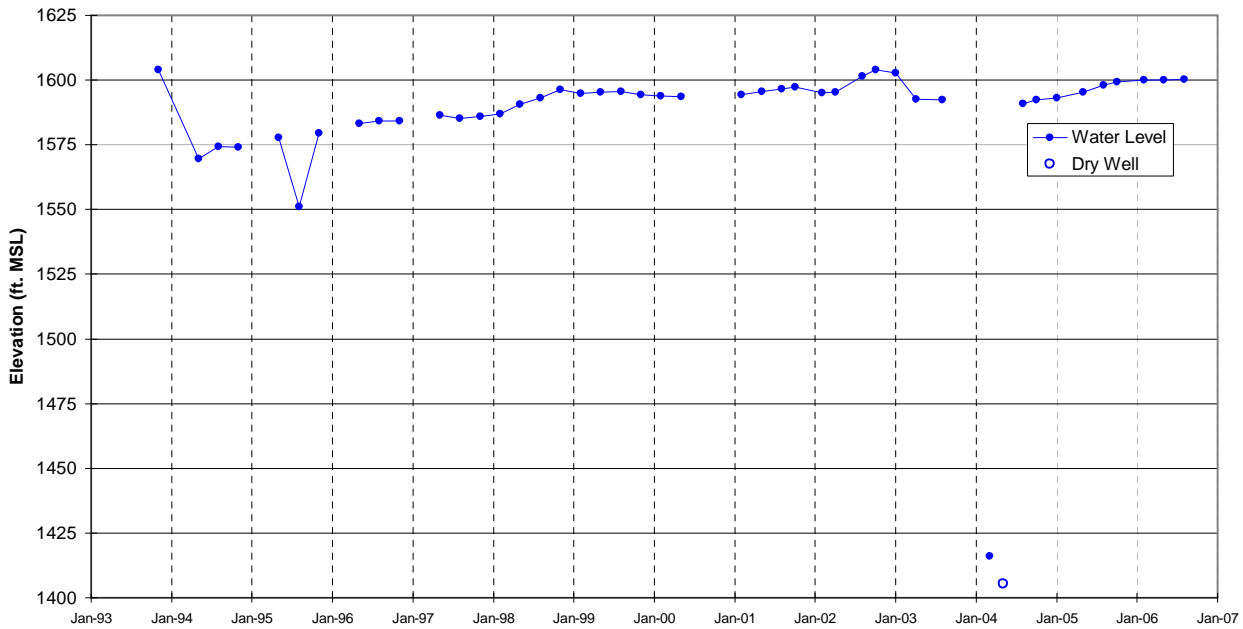


FLUTE installed in well 01/23/01 through 07/30/04.

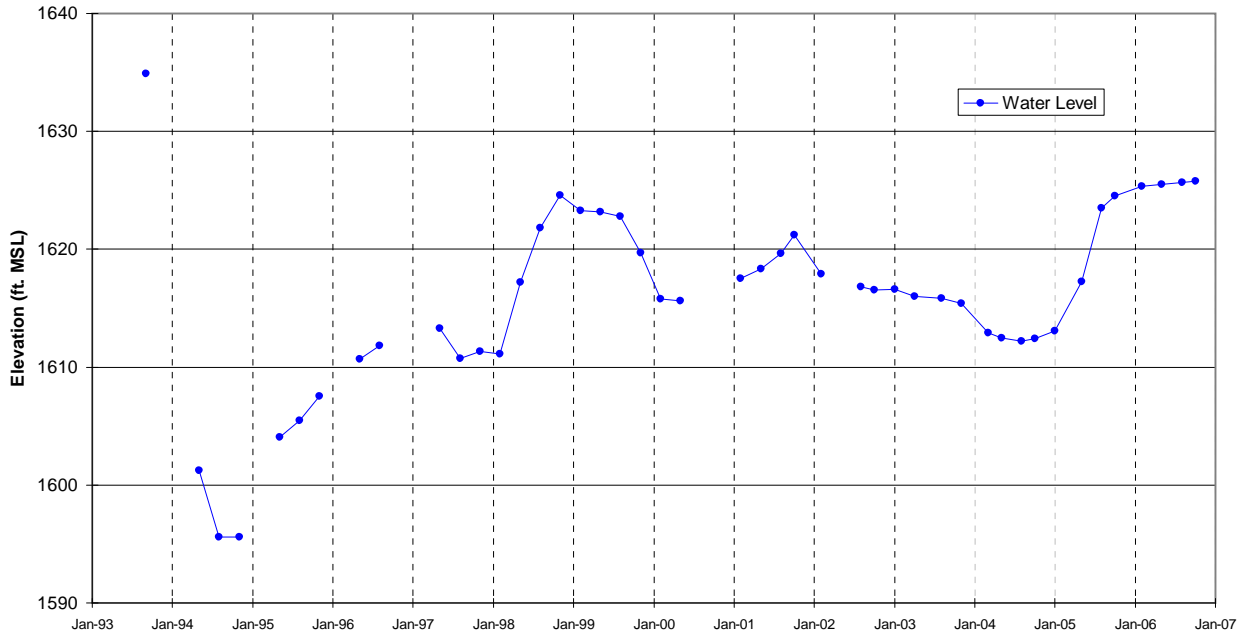
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-53
Figure A-172



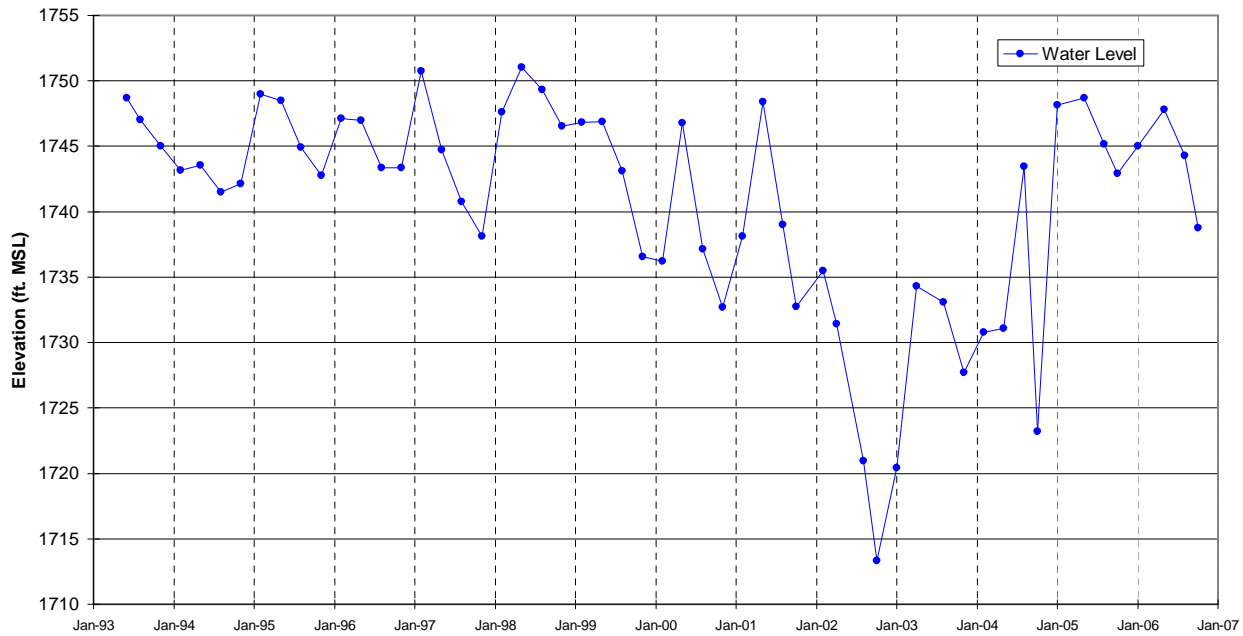
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-54A
Figure A-173



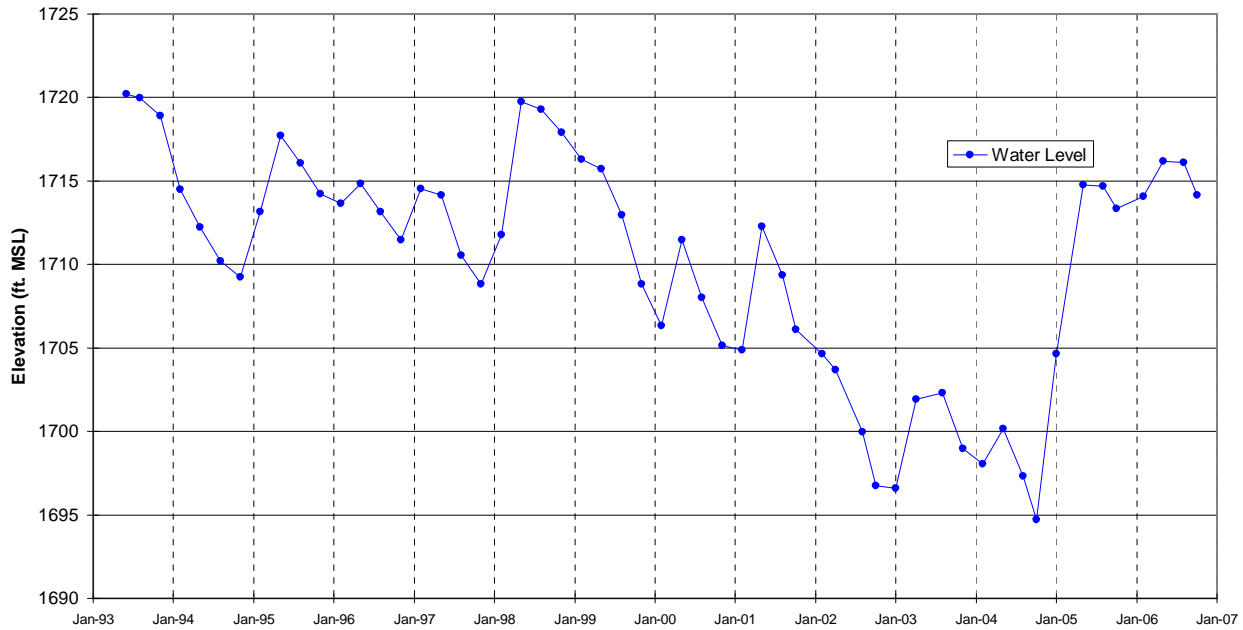
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-54B
Figure A-174



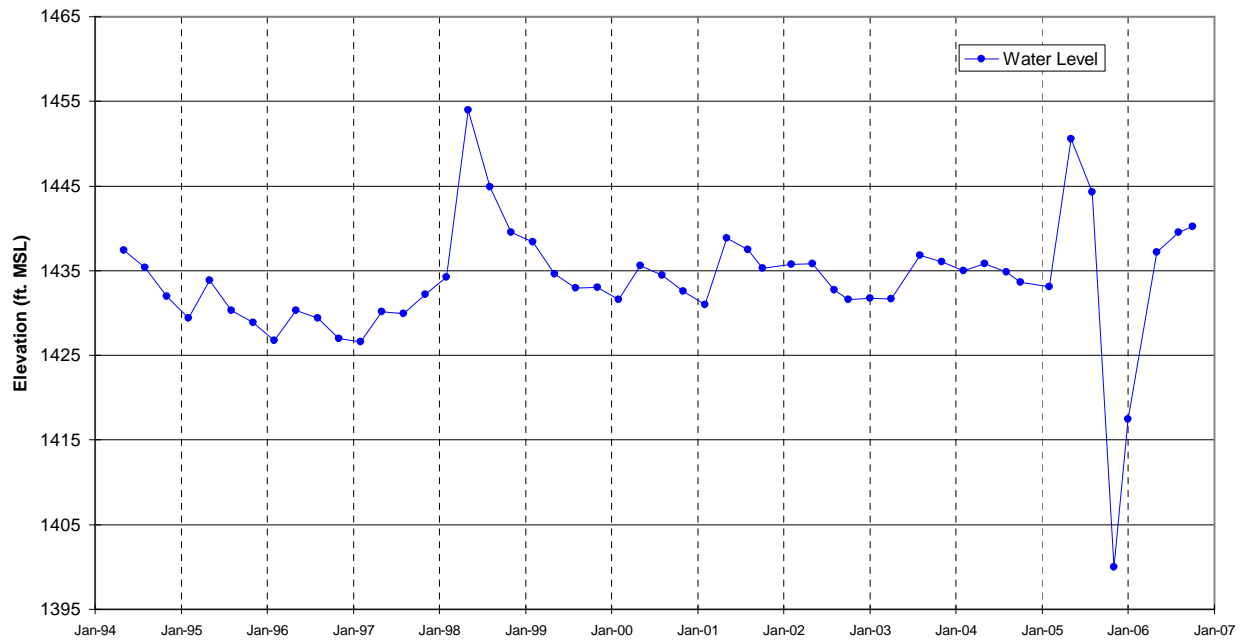
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-54C
 Figure A-175



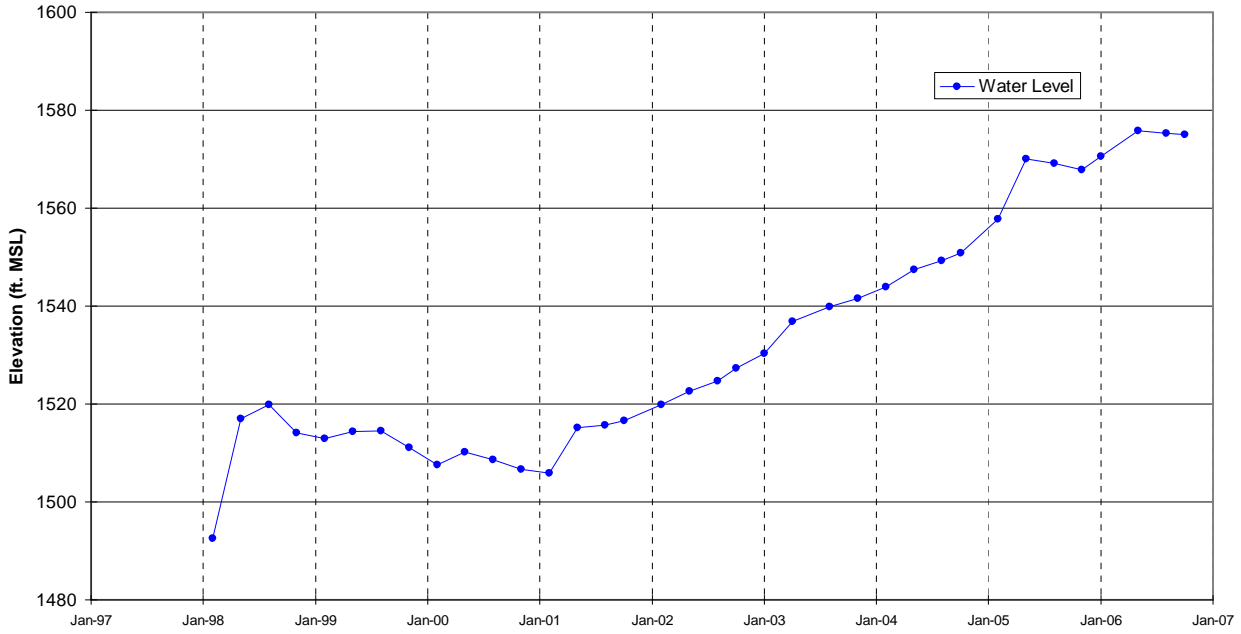
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-55A
 Figure A-176



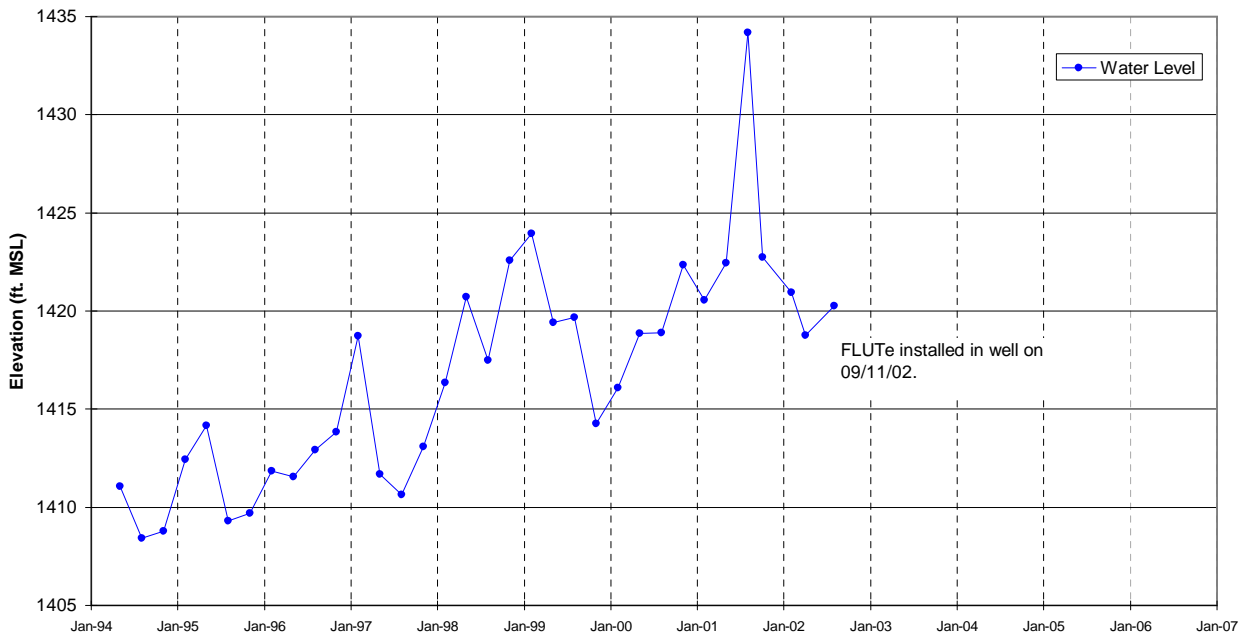
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-55B
Figure A-177



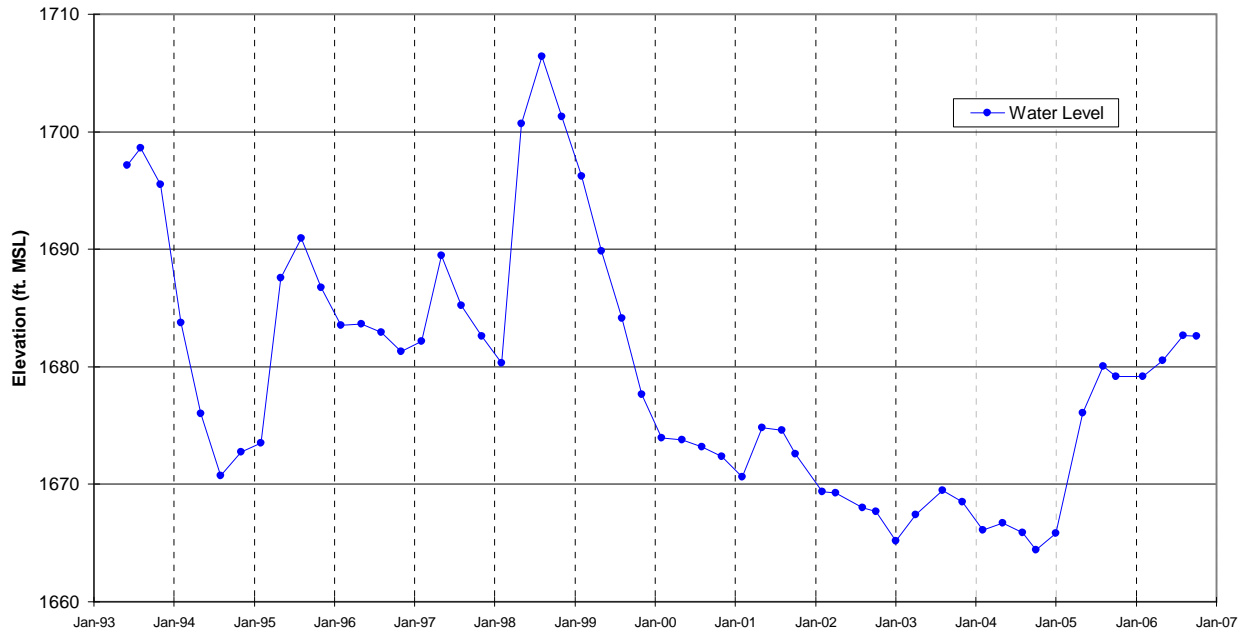
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-56A
Figure A-178



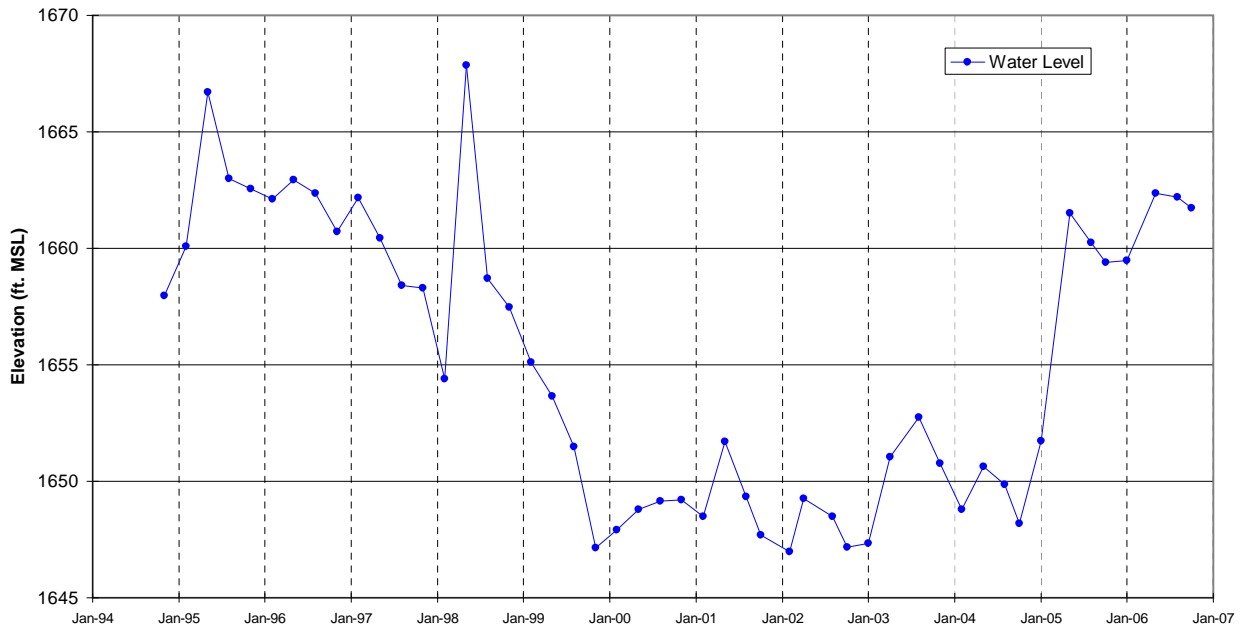
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-56B
Figure A-179



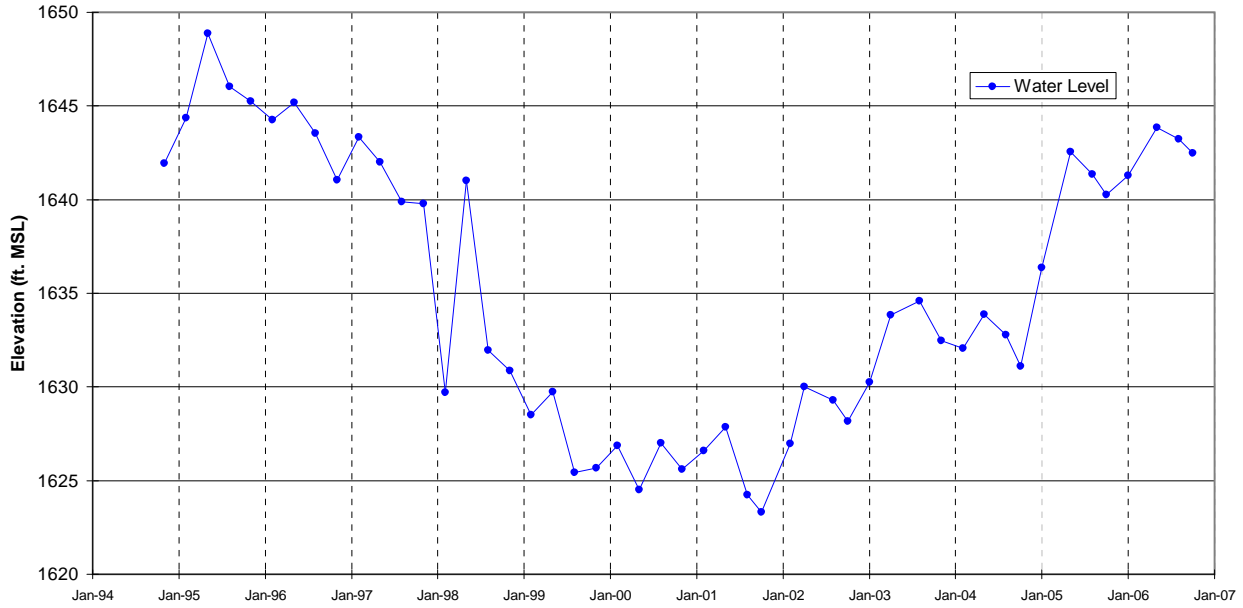
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-57
Figure A-180



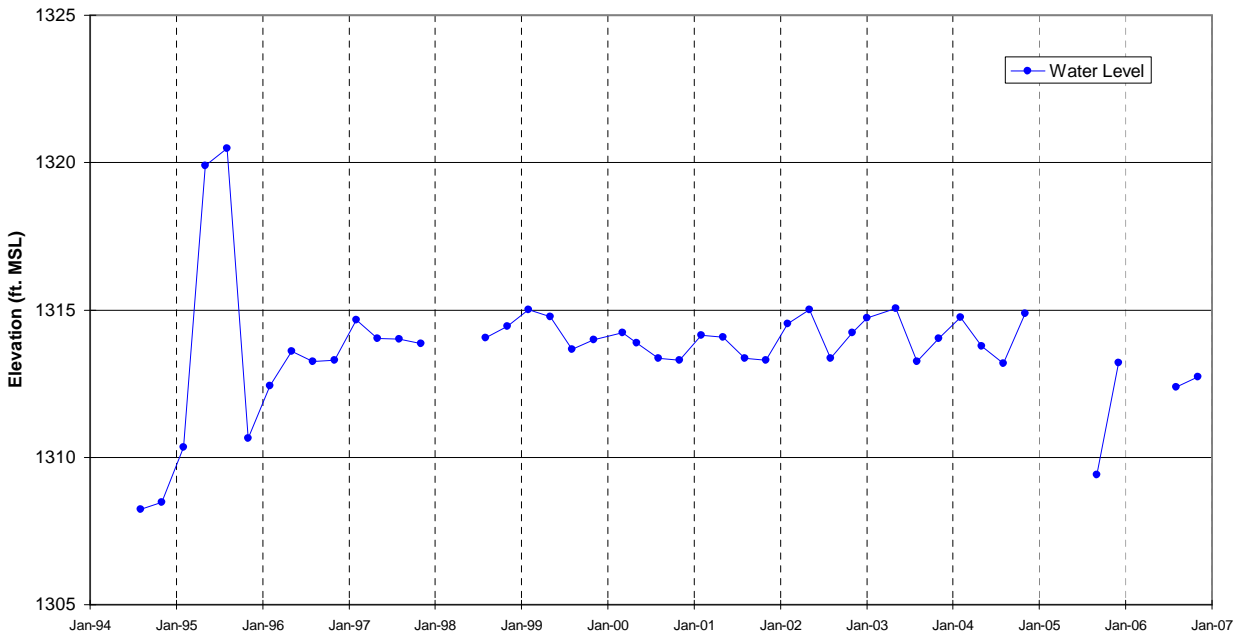
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-58A
Figure A-181



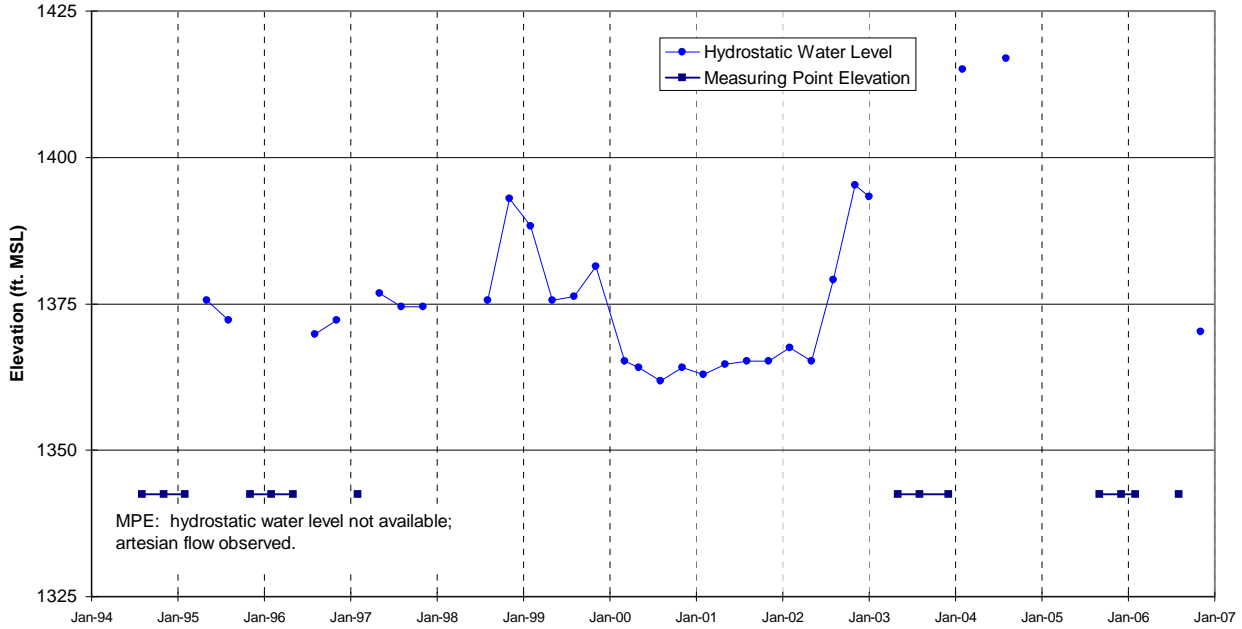
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-58B
Figure A-182



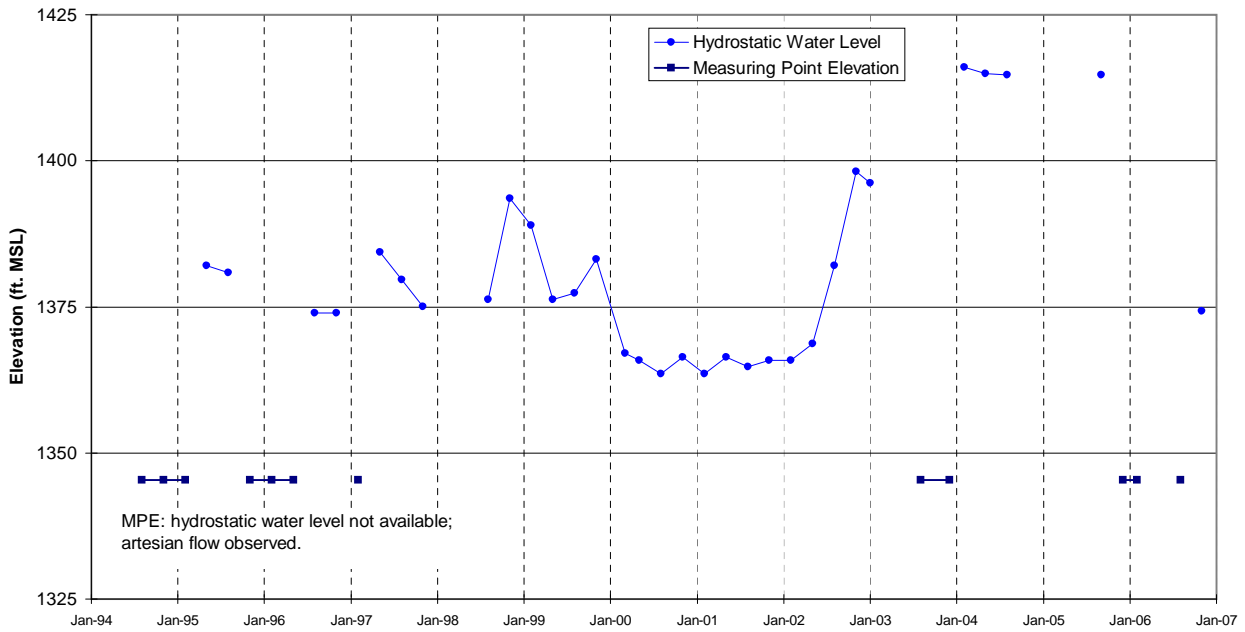
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-58C
Figure A-183



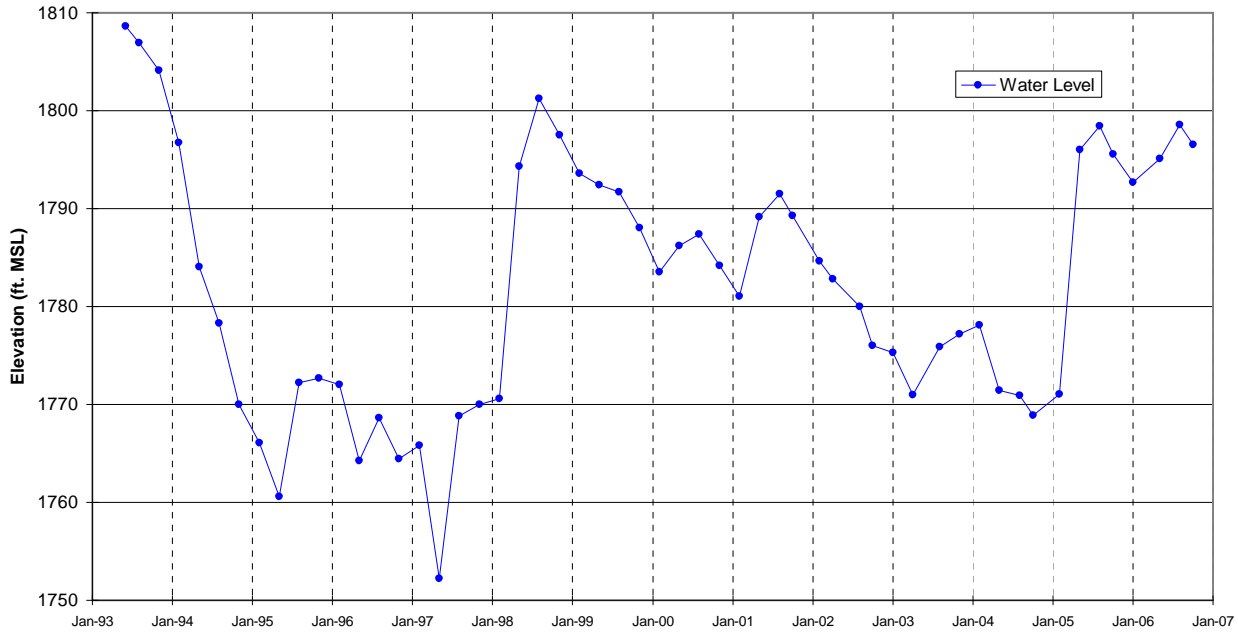
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-59A
Figure A-184



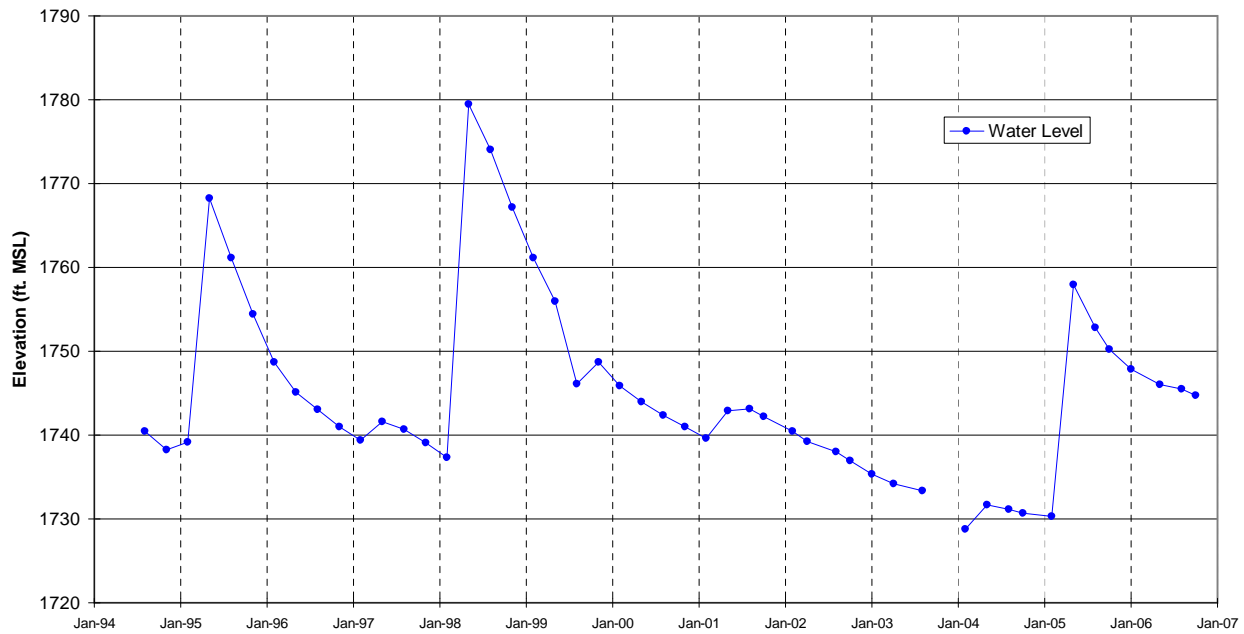
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-59B
Figure A-185



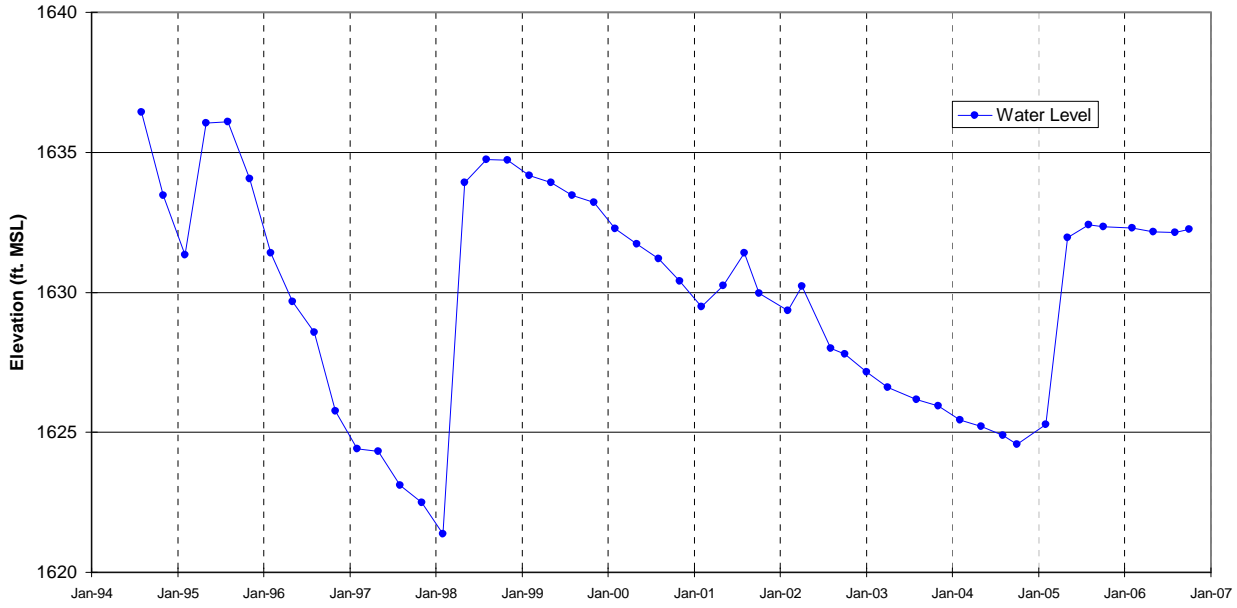
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-59C
Figure A-186



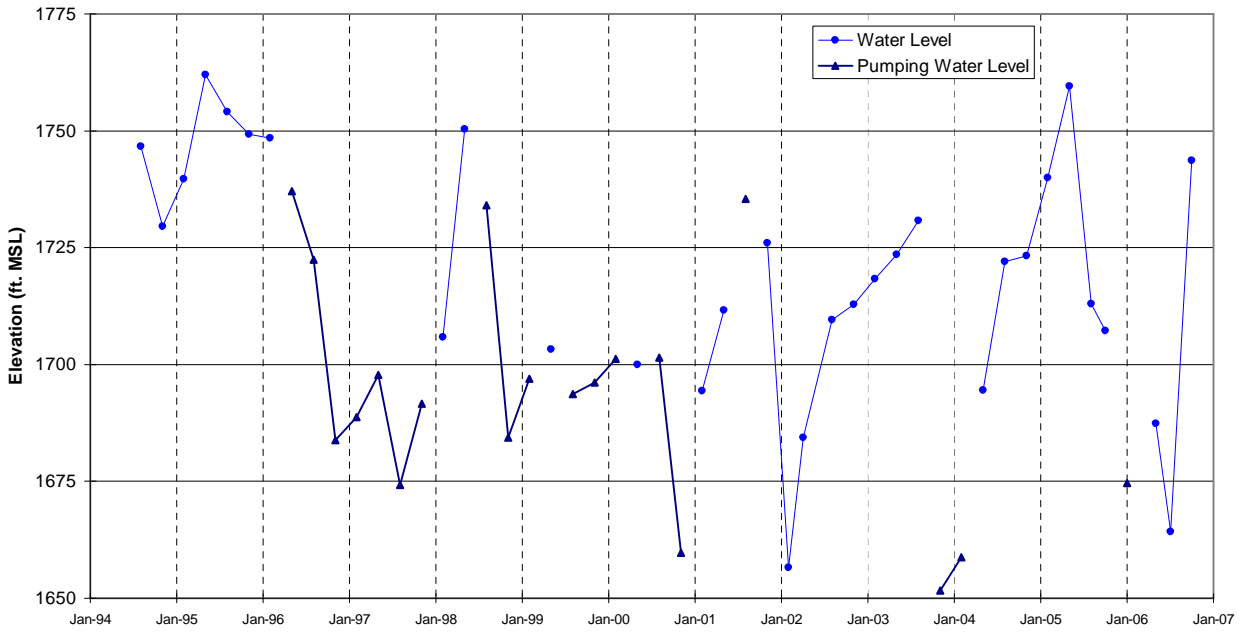
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-60
Figure A-187



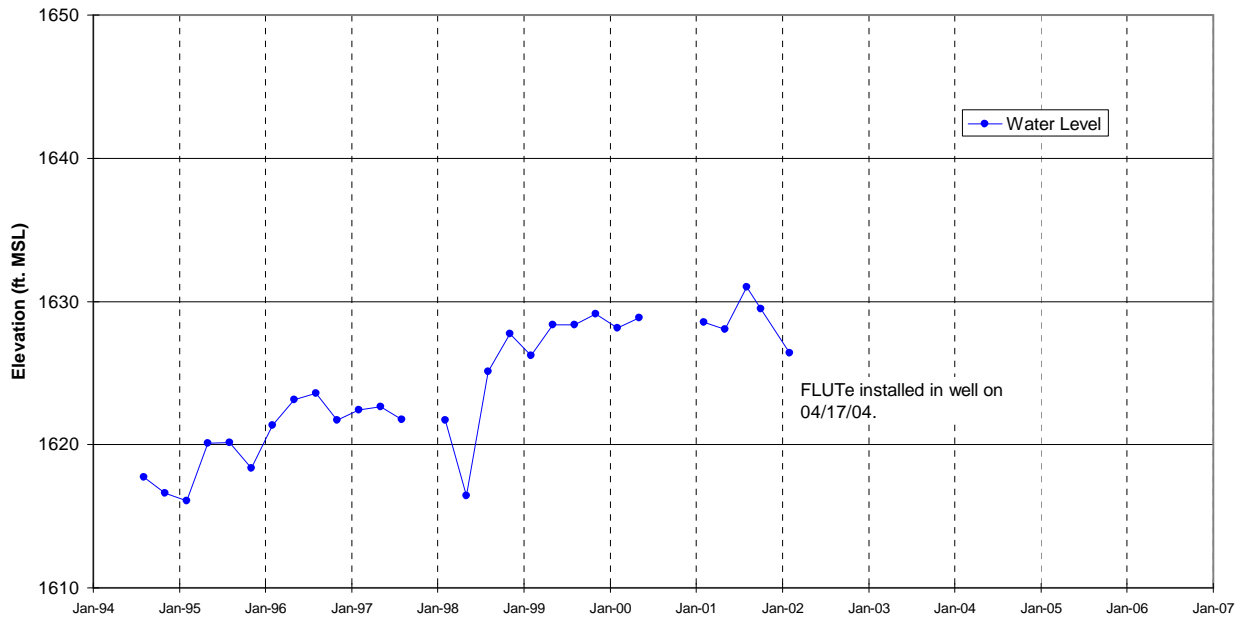
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-61
Figure A-188



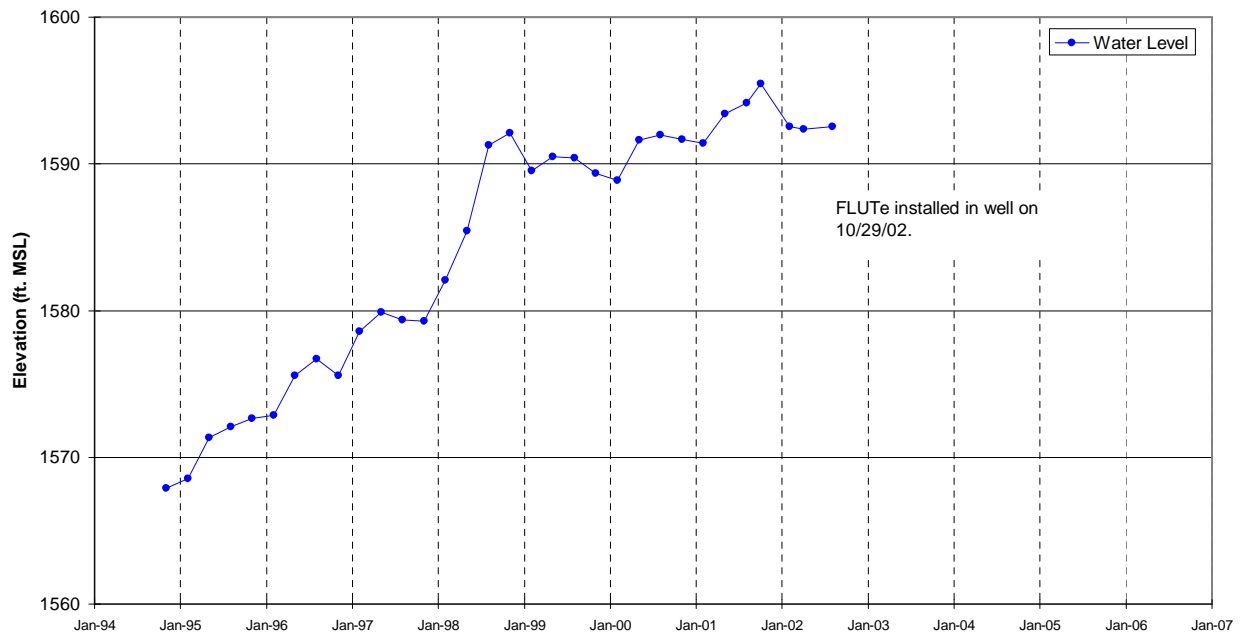
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-62
Figure A-189



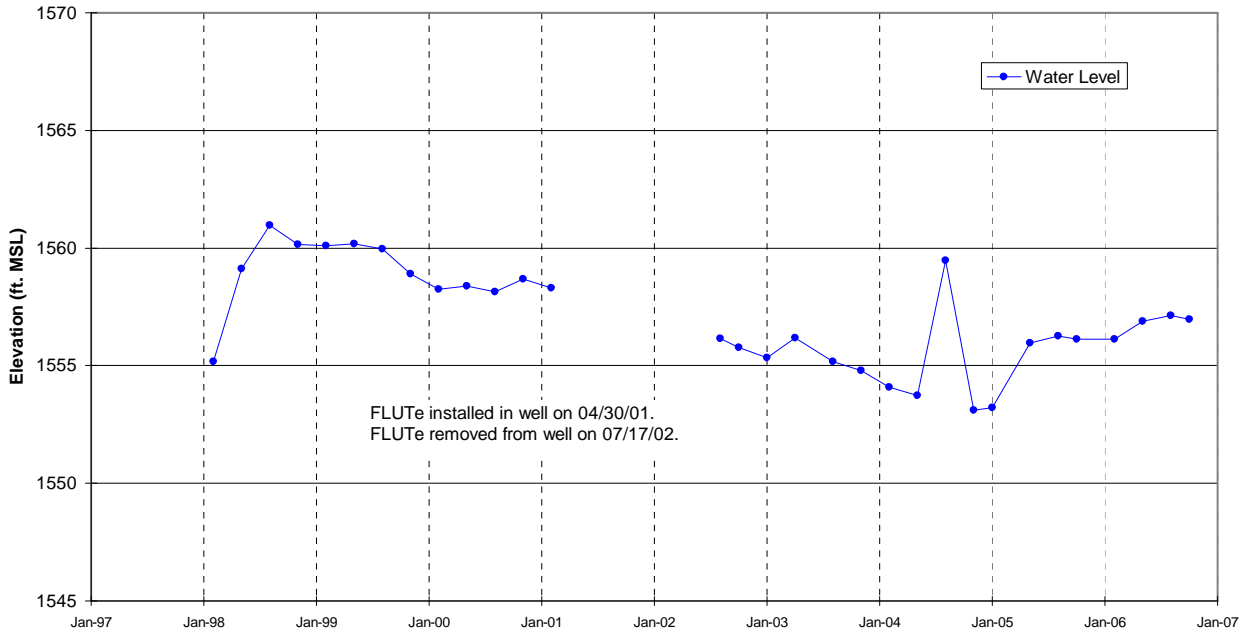
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-63
Figure A-190



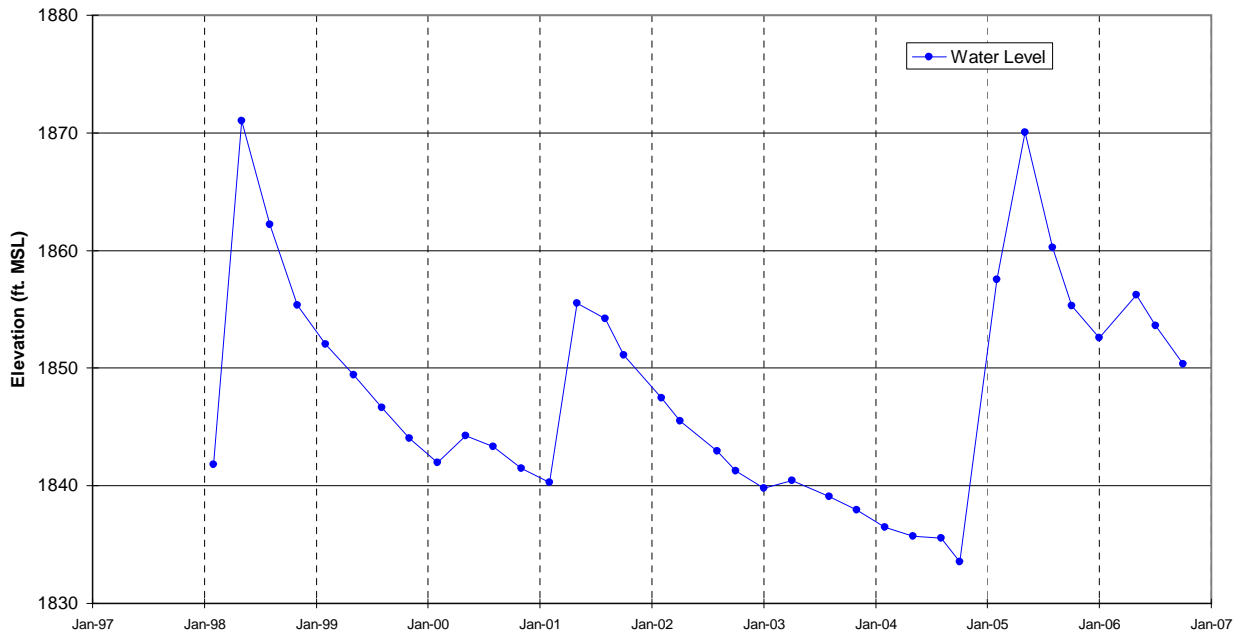
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-64
Figure A-191



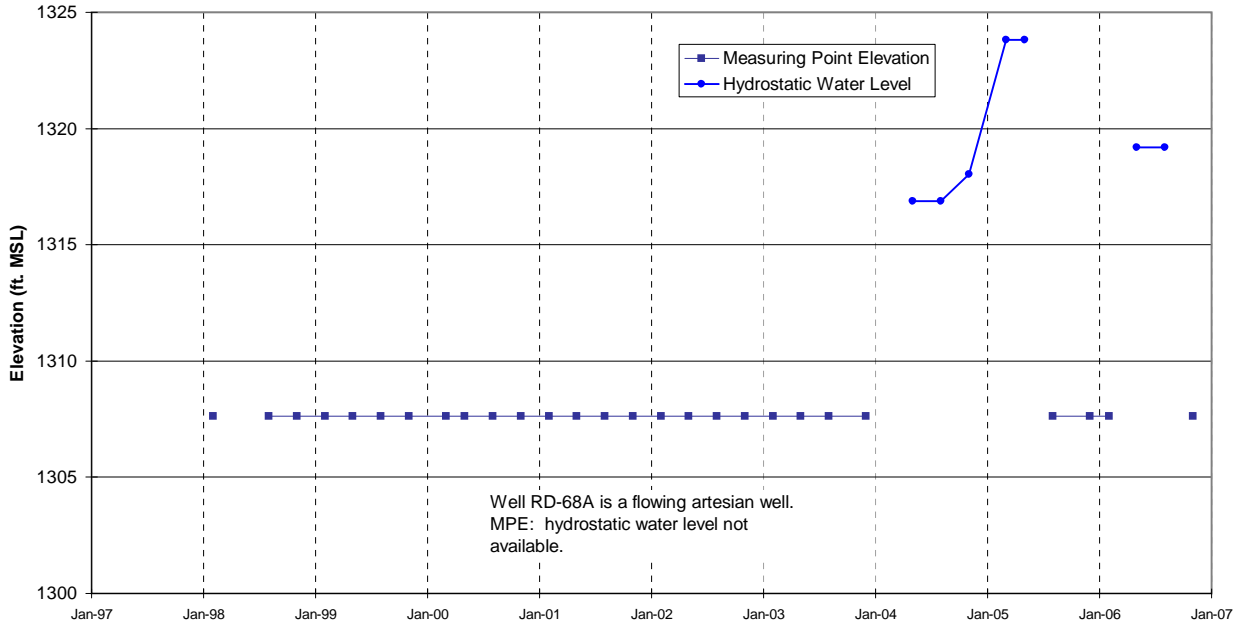
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-65
Figure A-192



WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-66
Figure A-193

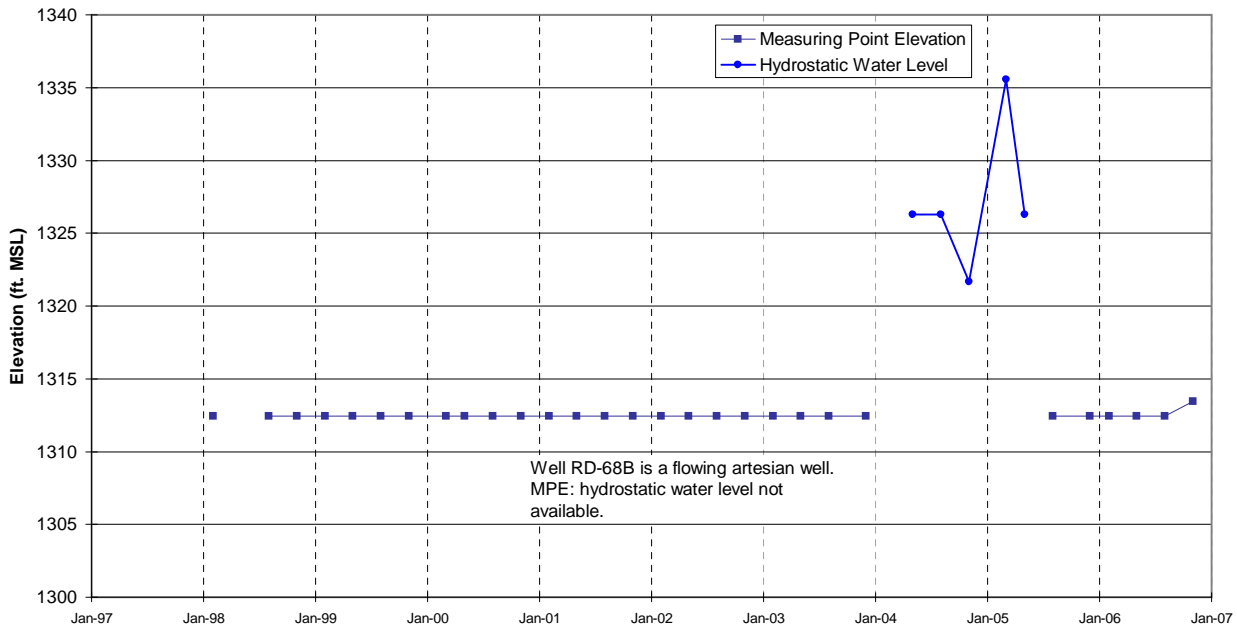


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-67
Figure A-194



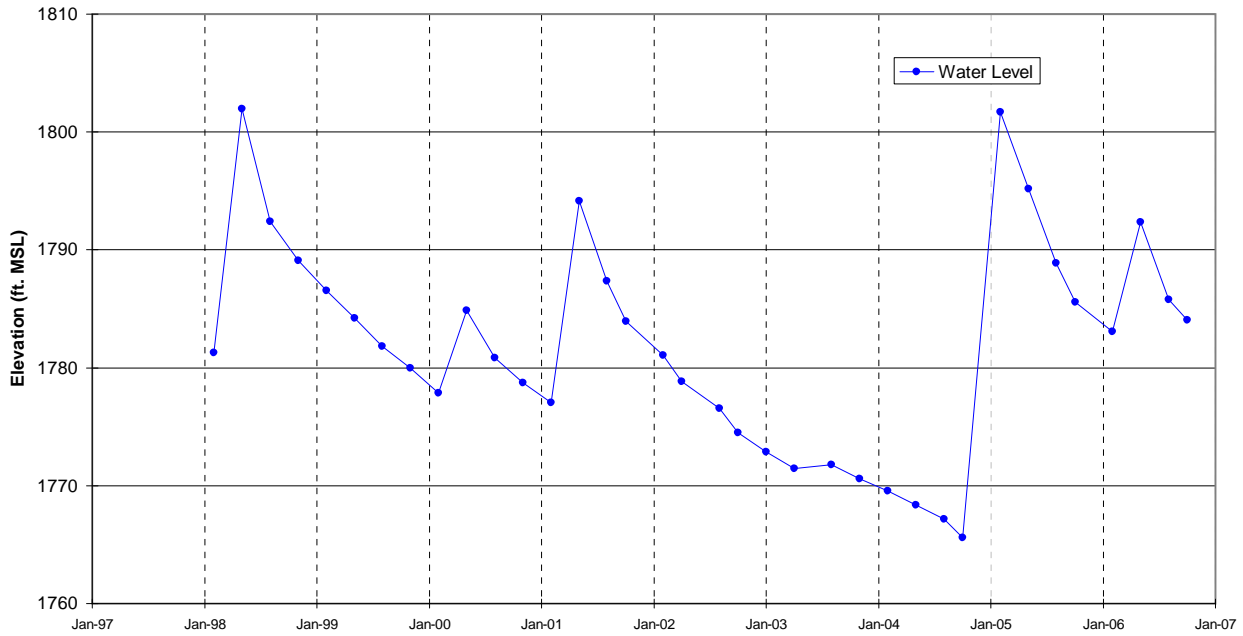
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-68A
Figure A-195

* Elevation approx. 1306.4 feet MSL

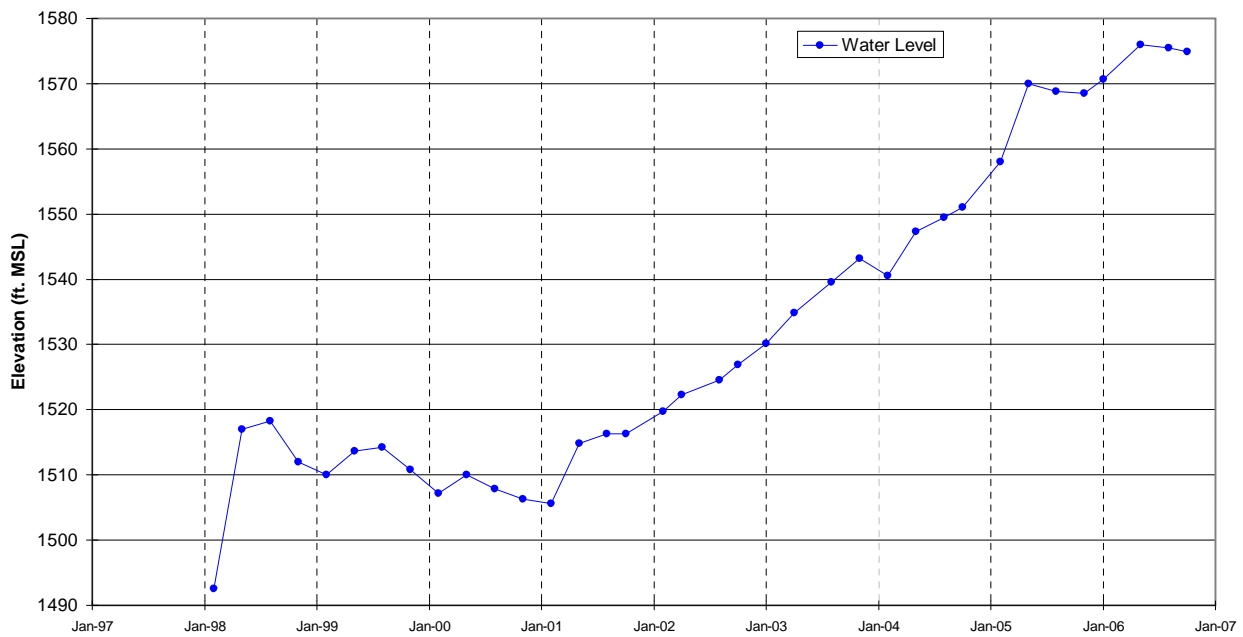


WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-68B
Figure A-196

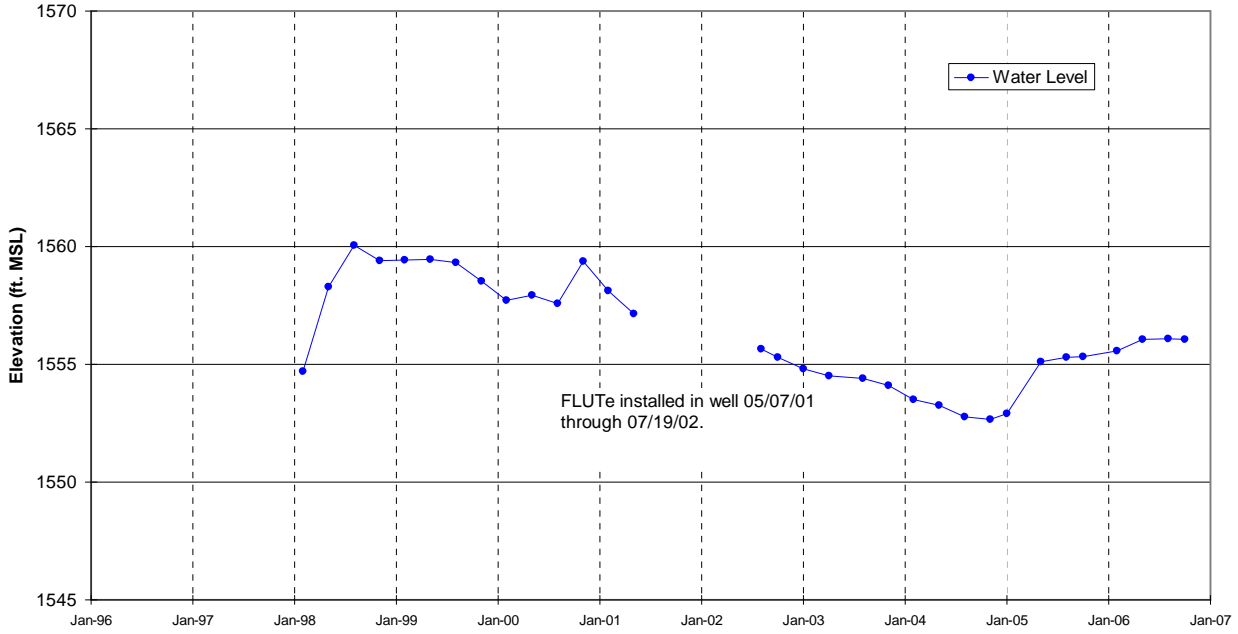
* Elevation approx. 1309.2 feet MSL



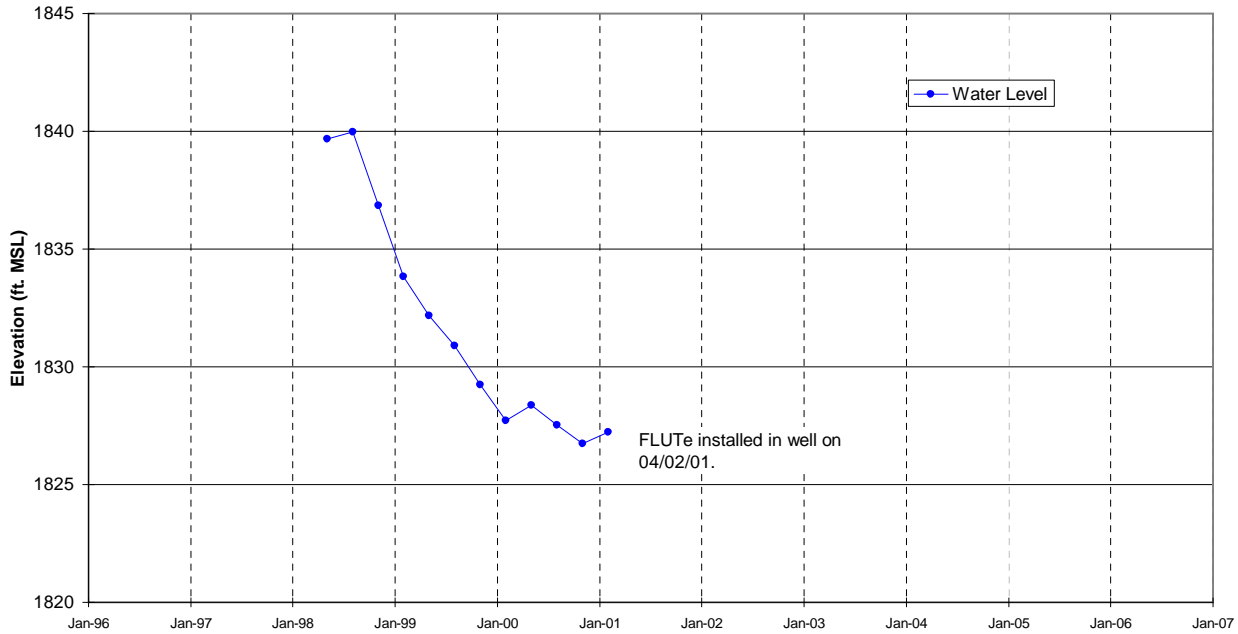
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-69
Figure A-197



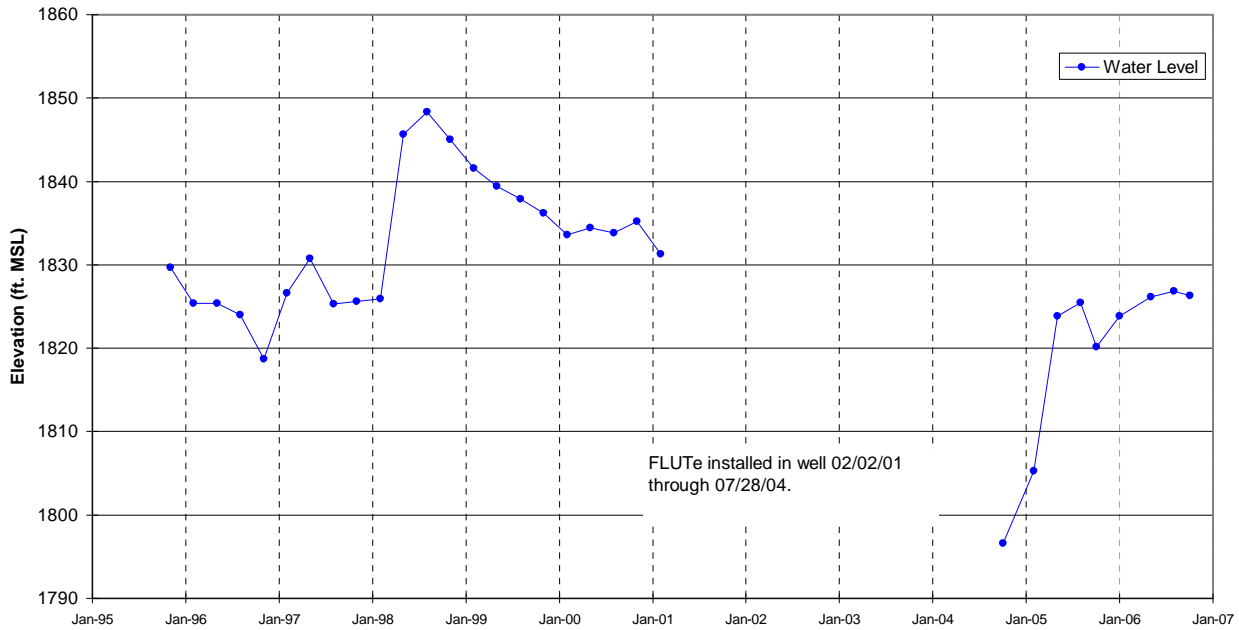
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-70
Figure A-198



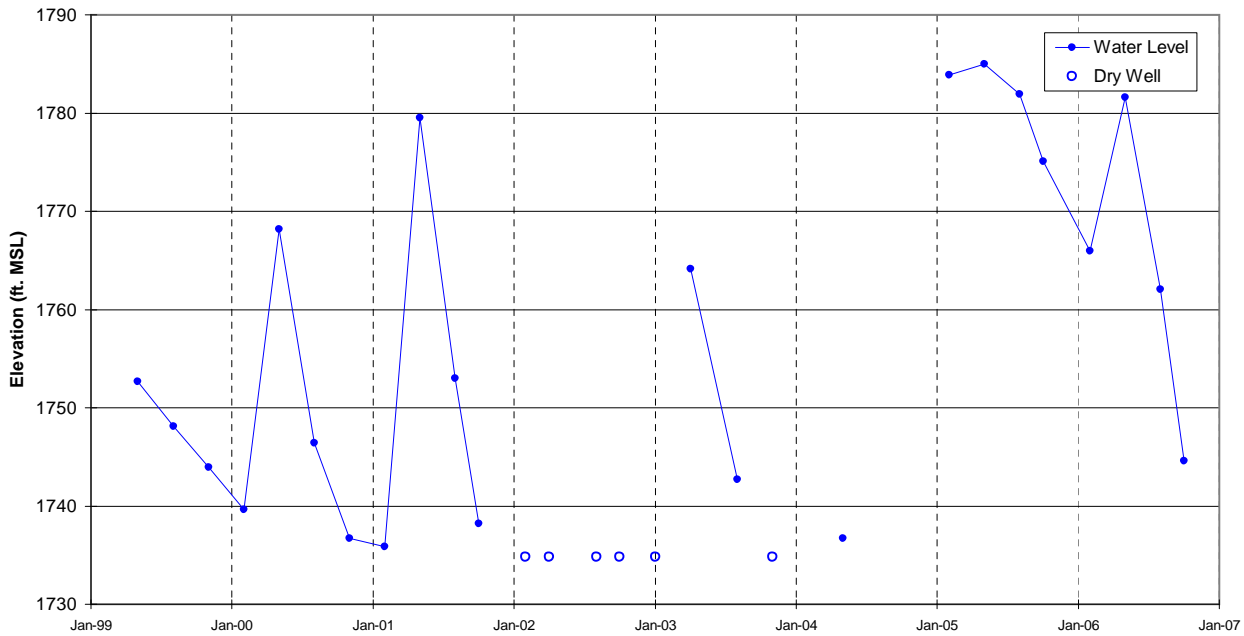
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-71
Figure A-199



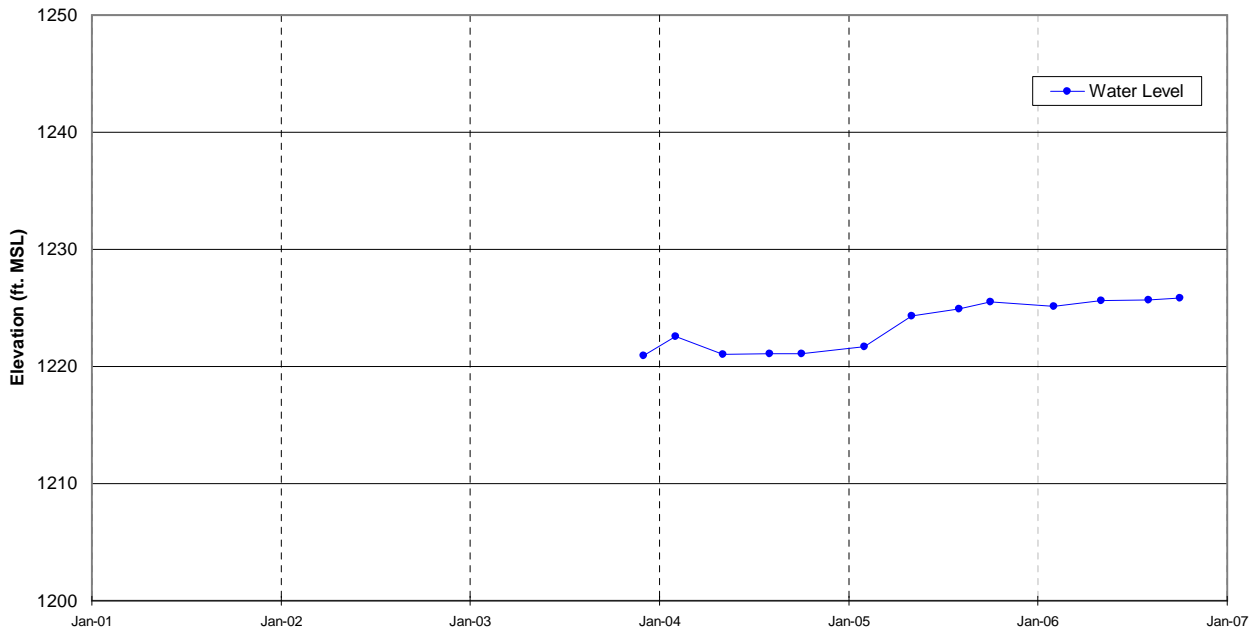
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-72
Figure A-200



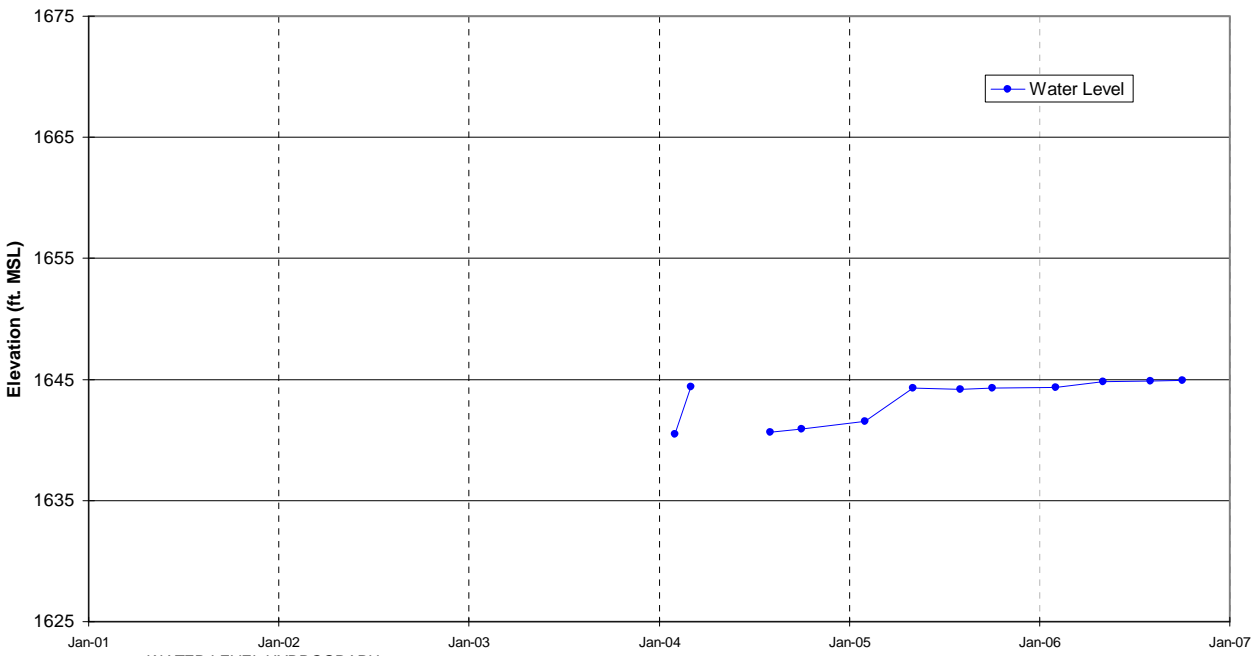
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-73
Figure A-201



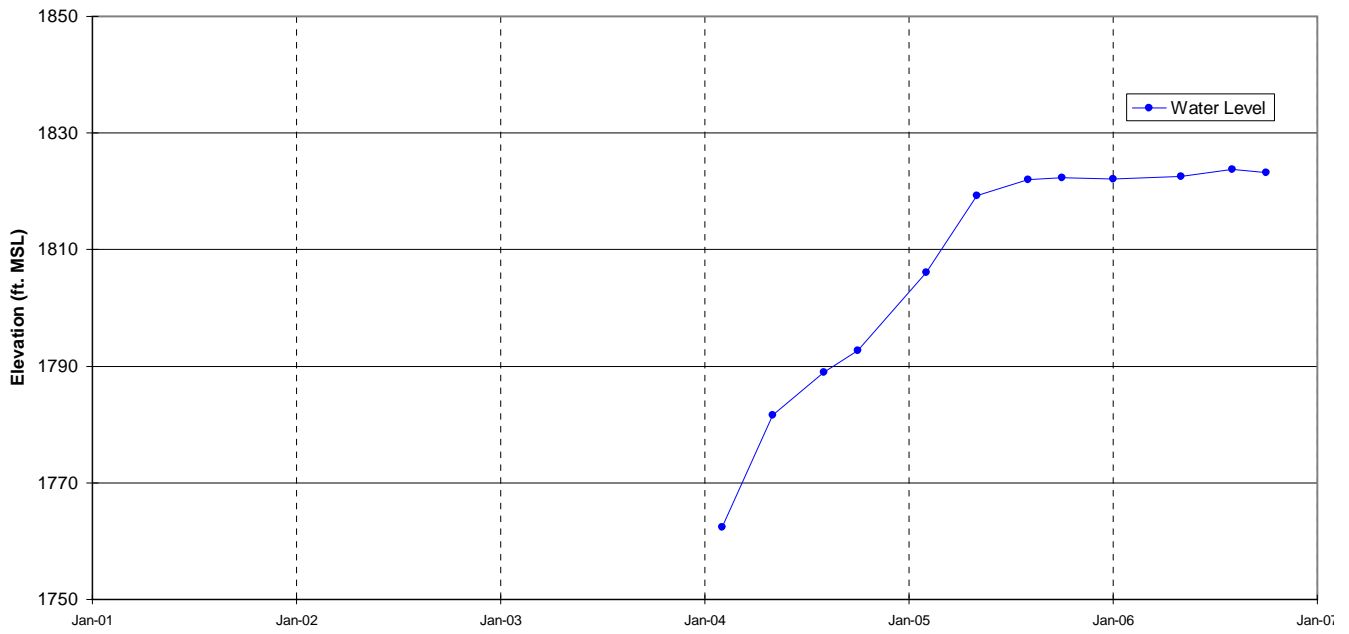
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-74
Figure A-202



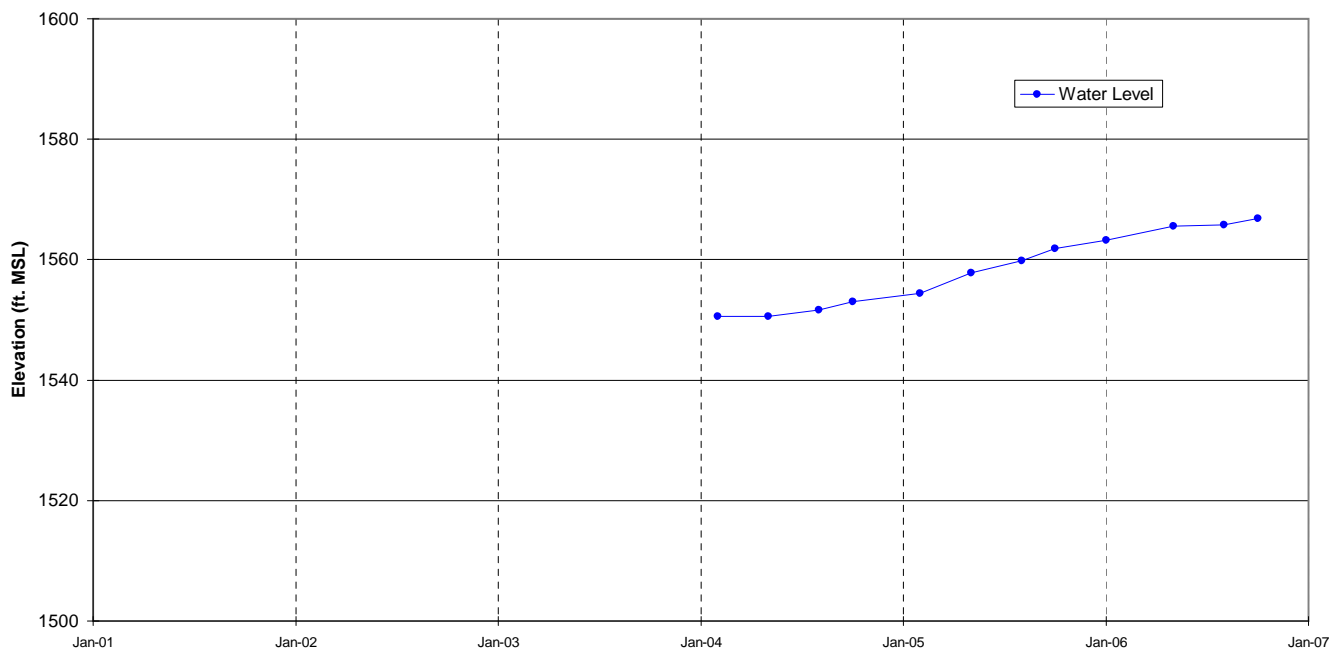
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-75
Figure A-203



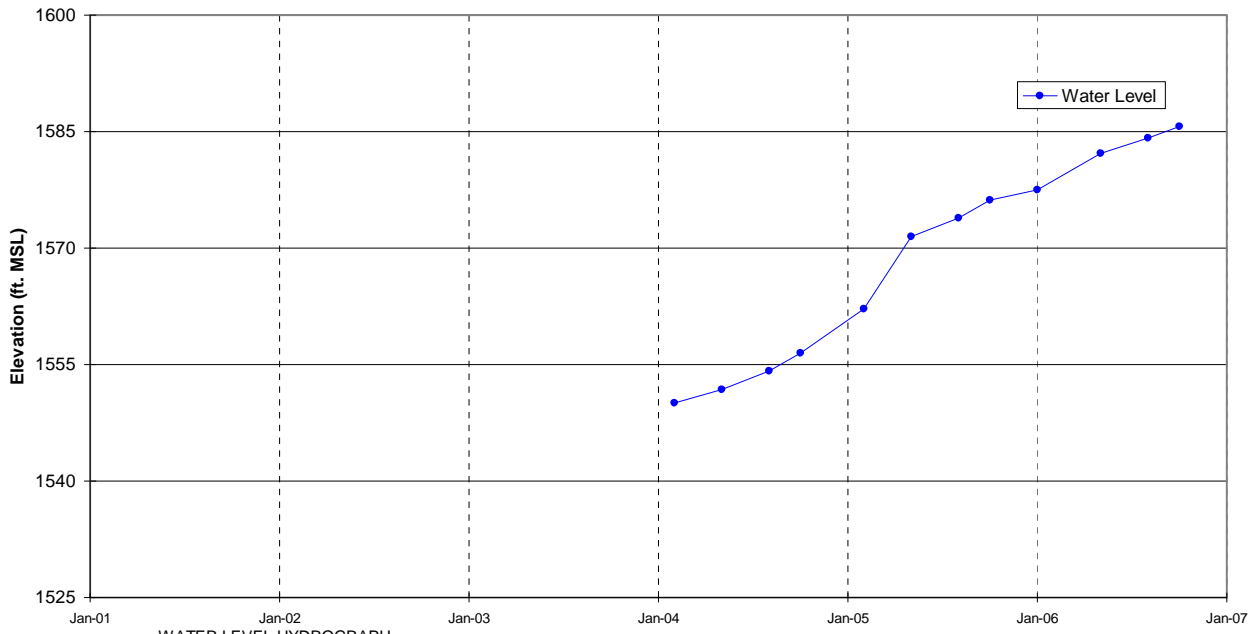
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-76
Figure A-204



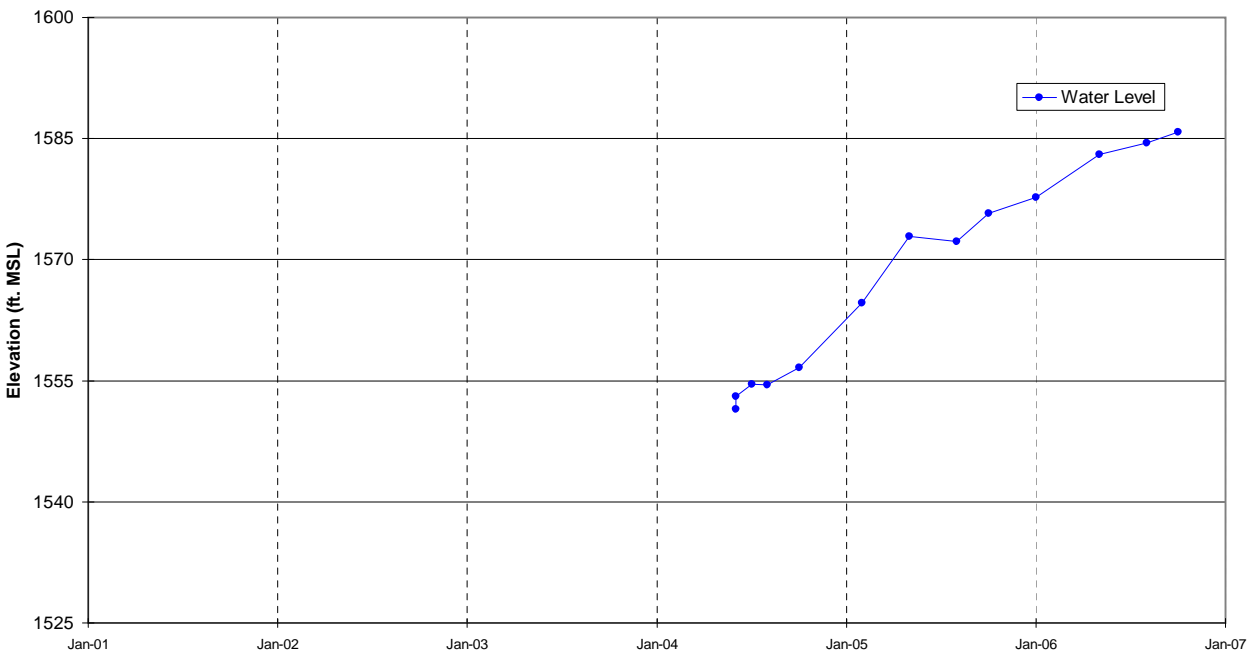
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-77
Figure A-205



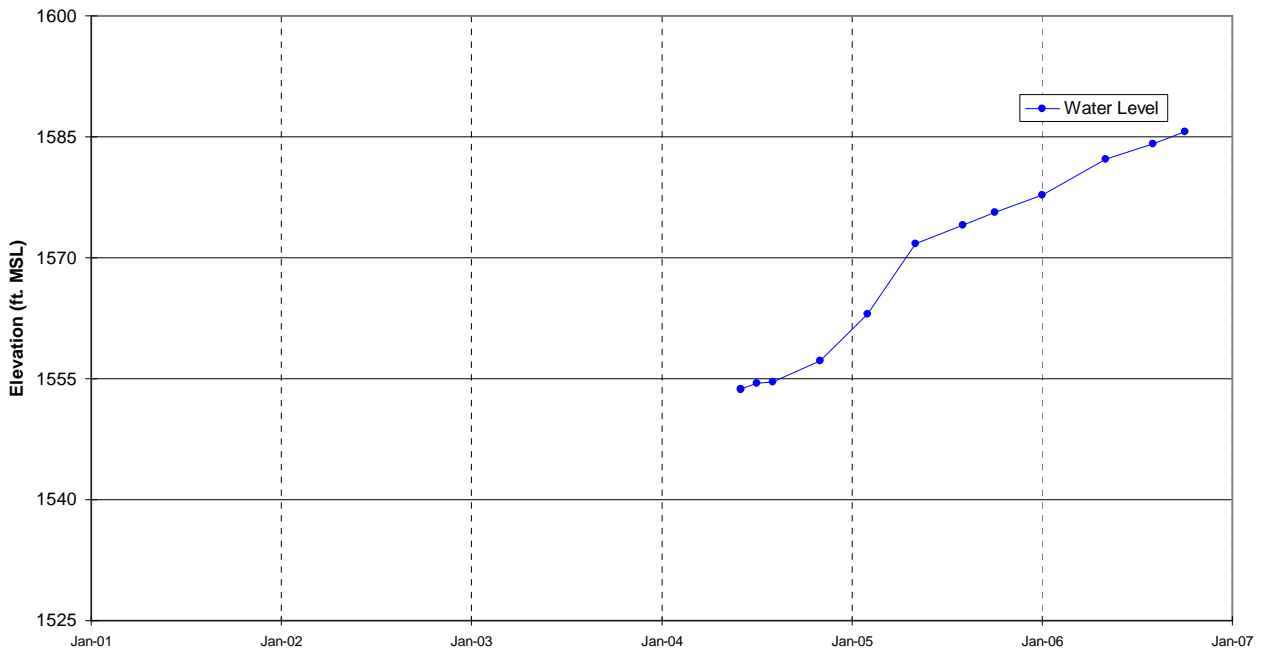
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-78
Figure A-206



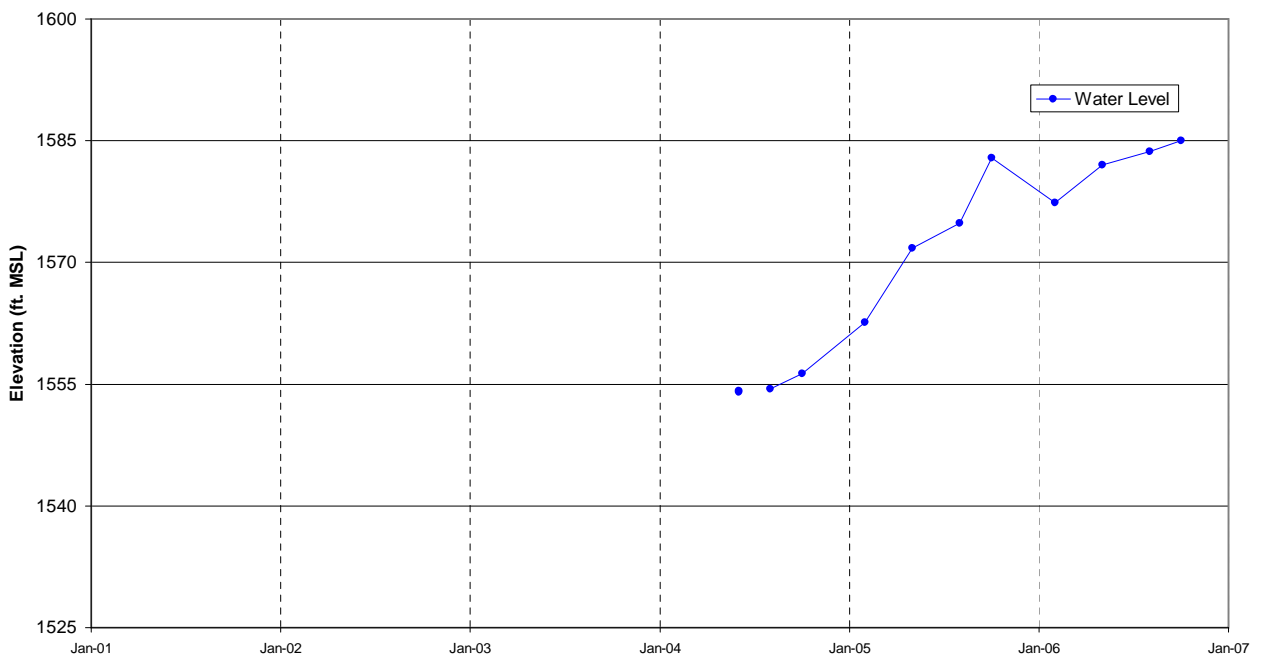
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-80
Figure A-207



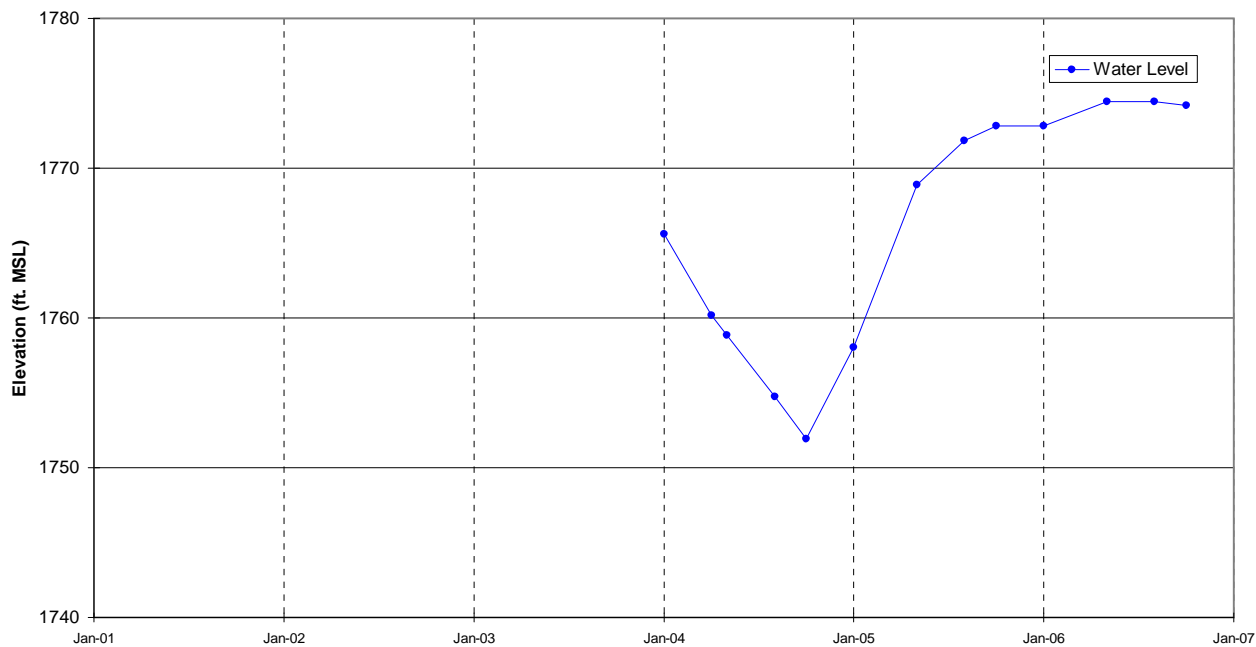
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-81
Figure A-208



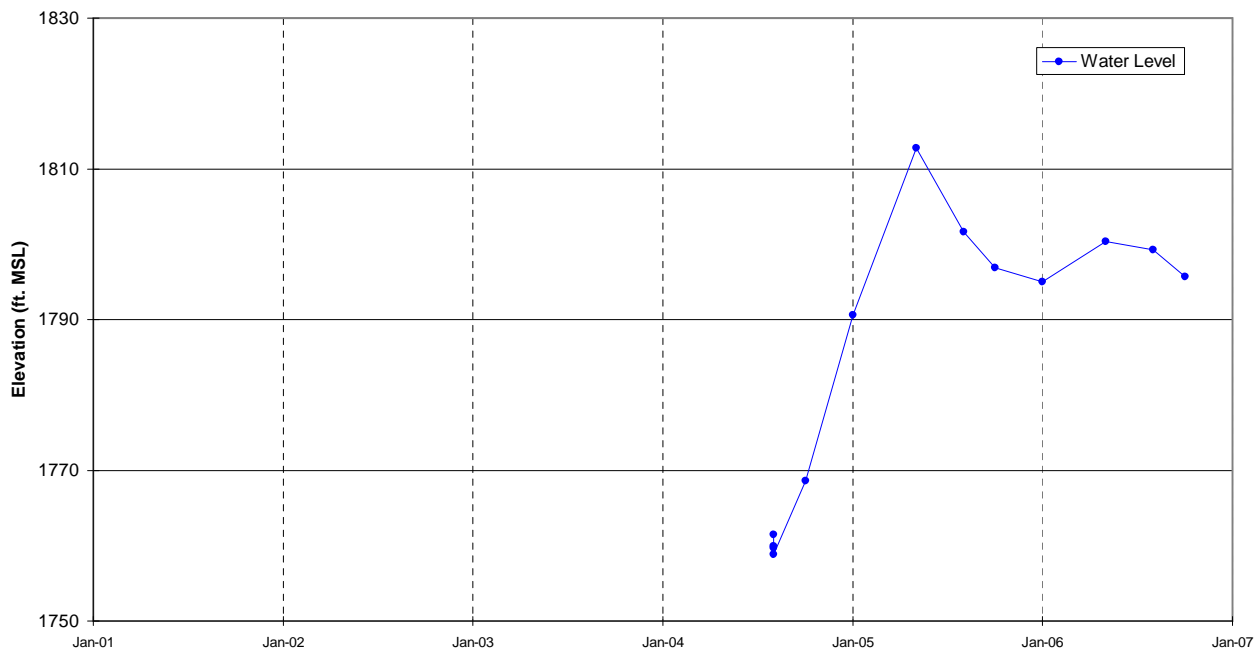
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-82
Figure A-209



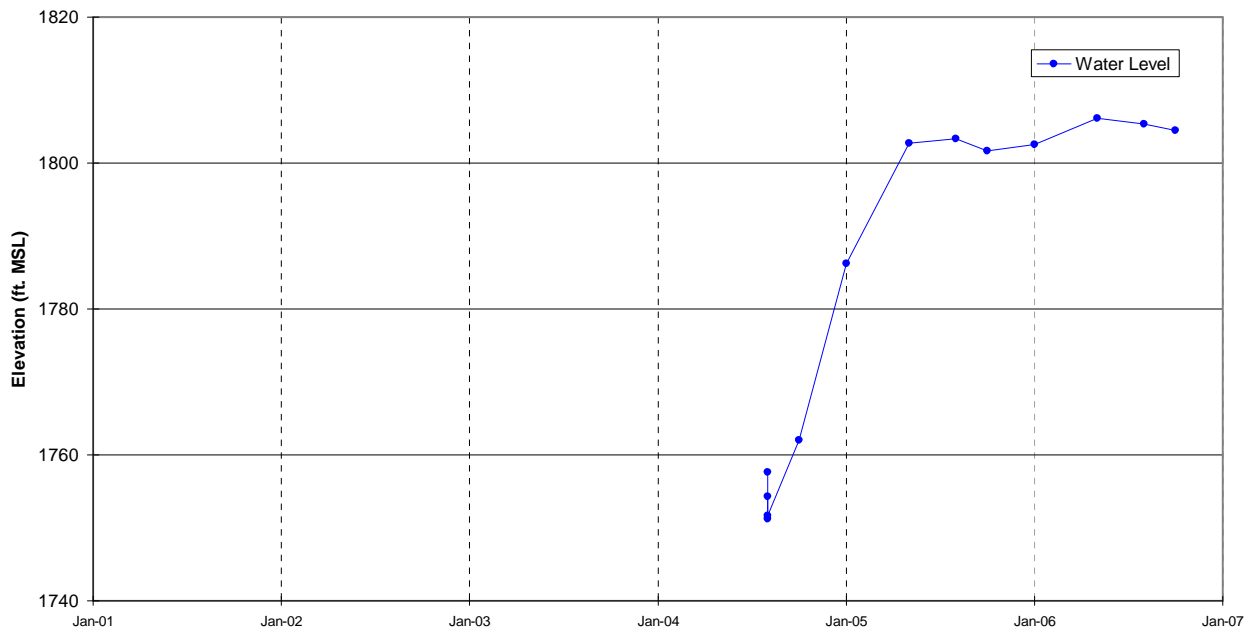
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-83
Figure A-210



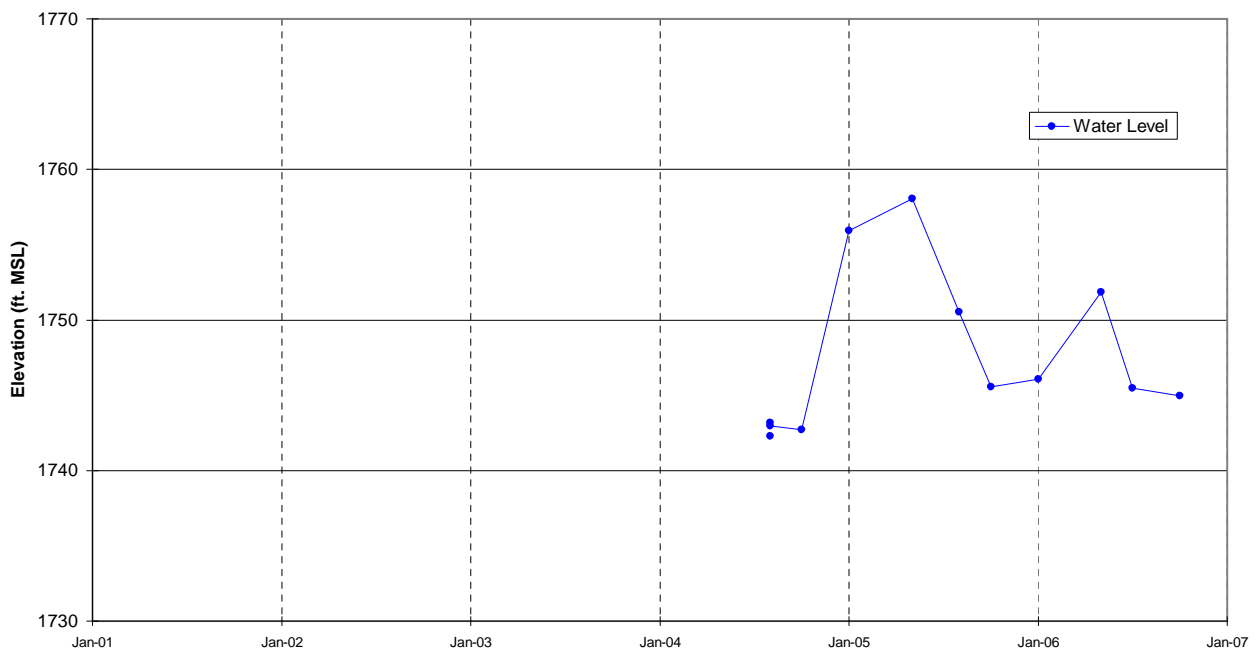
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-84
Figure A-211



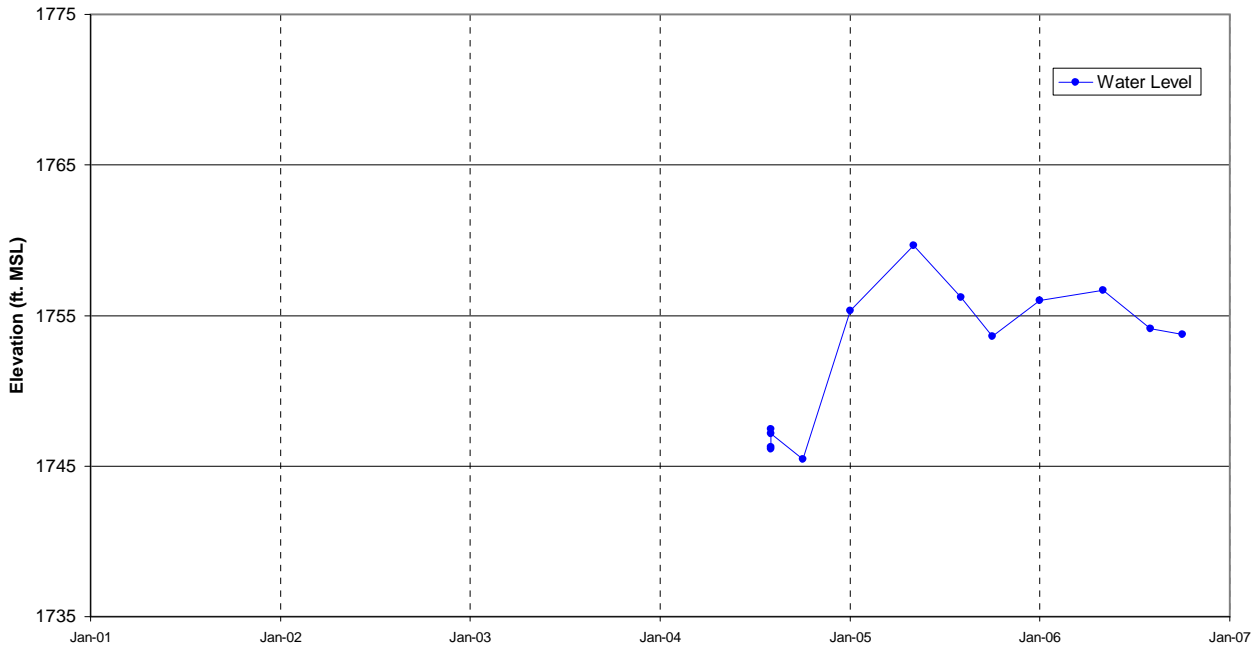
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-85
Figure A-212



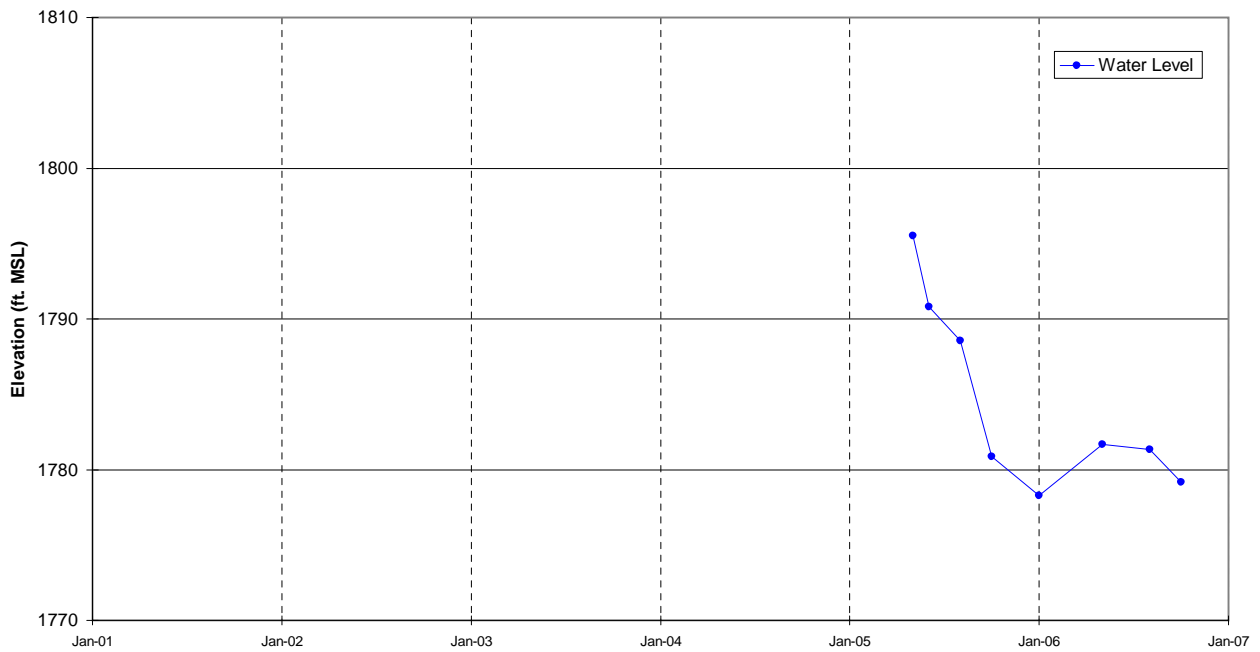
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-86
Figure A-213



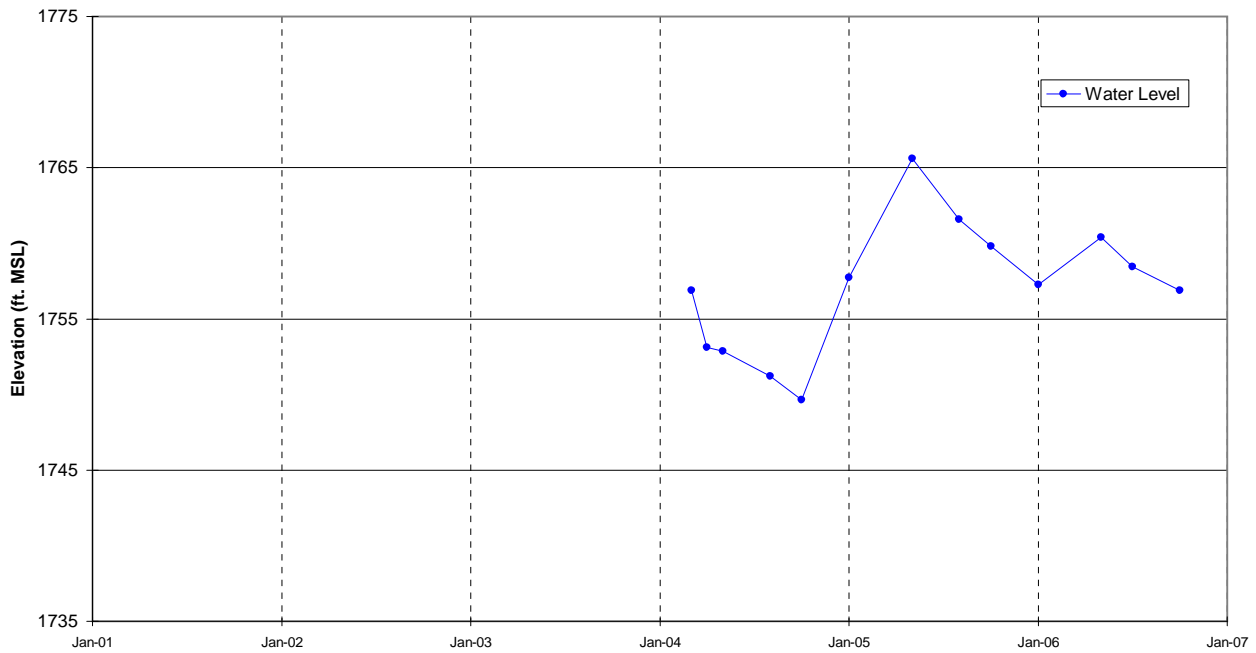
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-87
Figure A-214



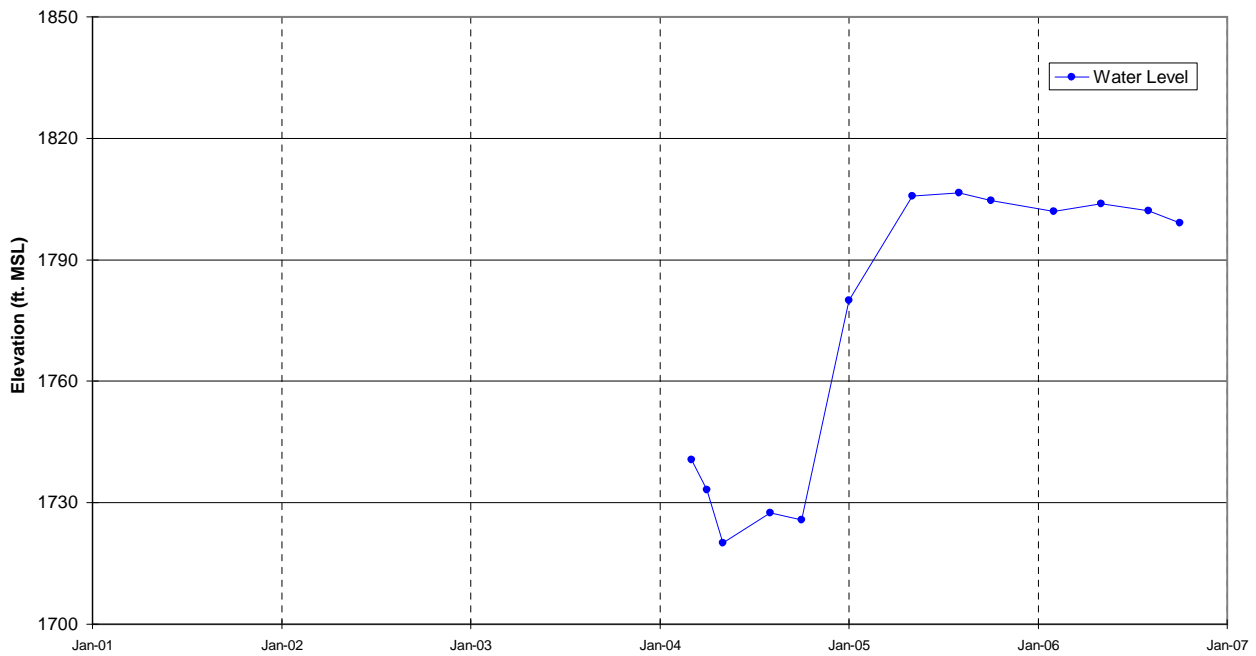
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-88
Figure A-215



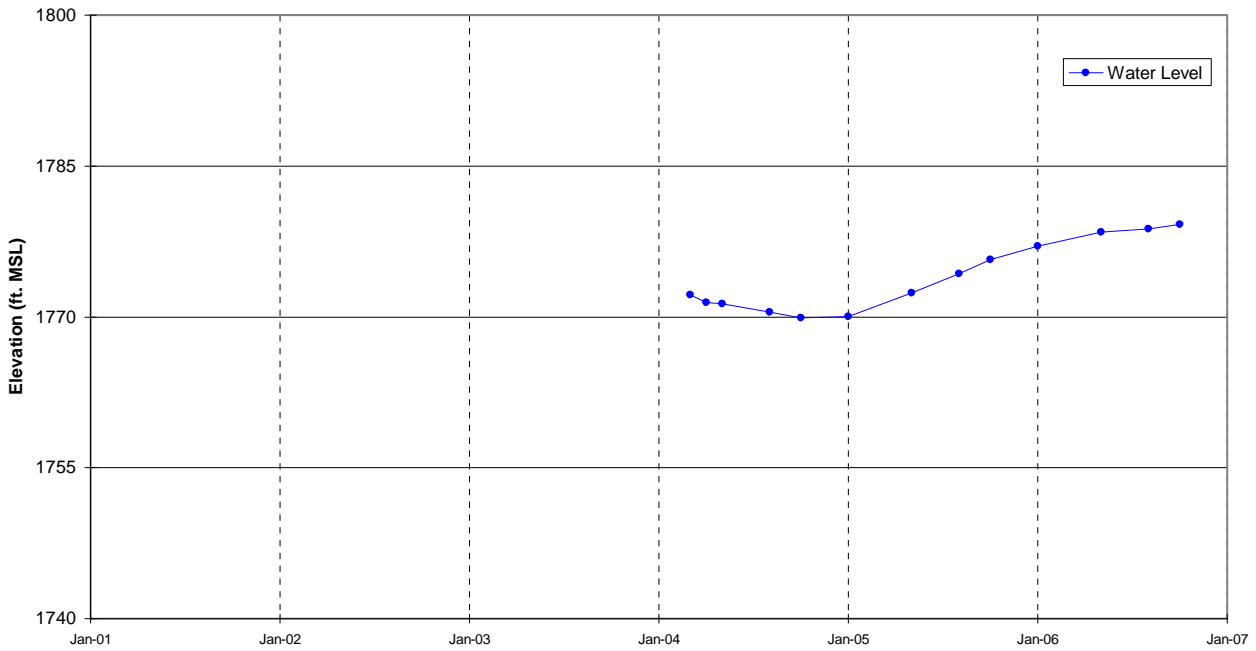
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-89
Figure A-216



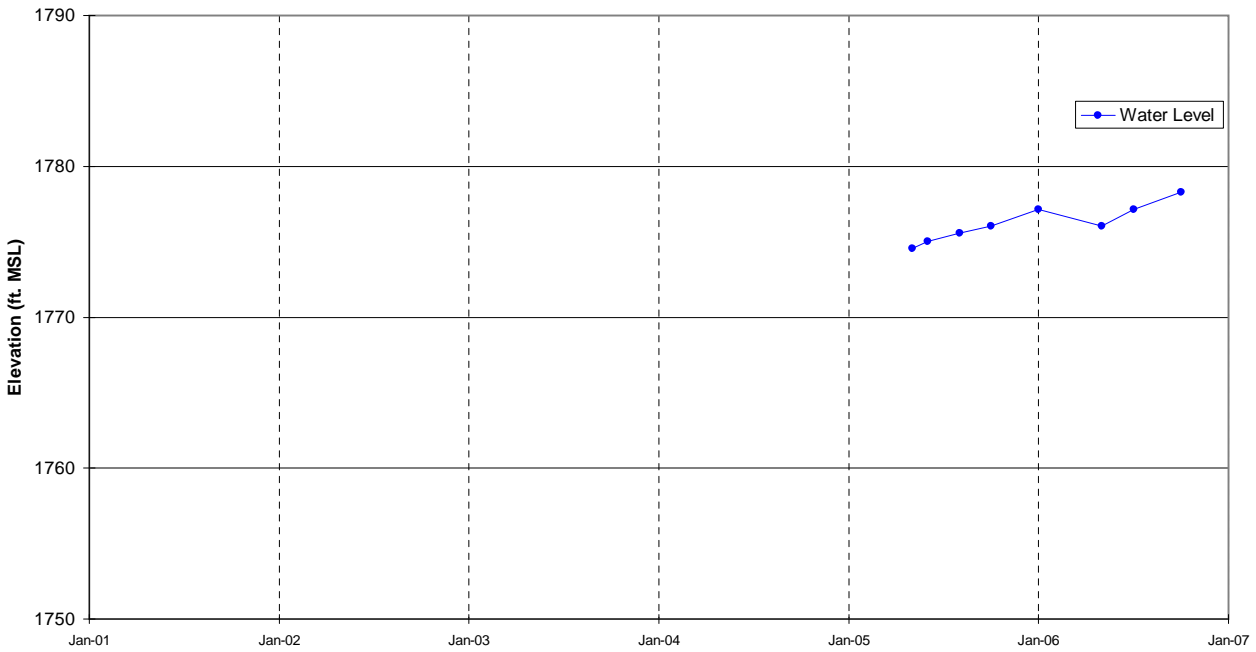
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-90
Figure A-217



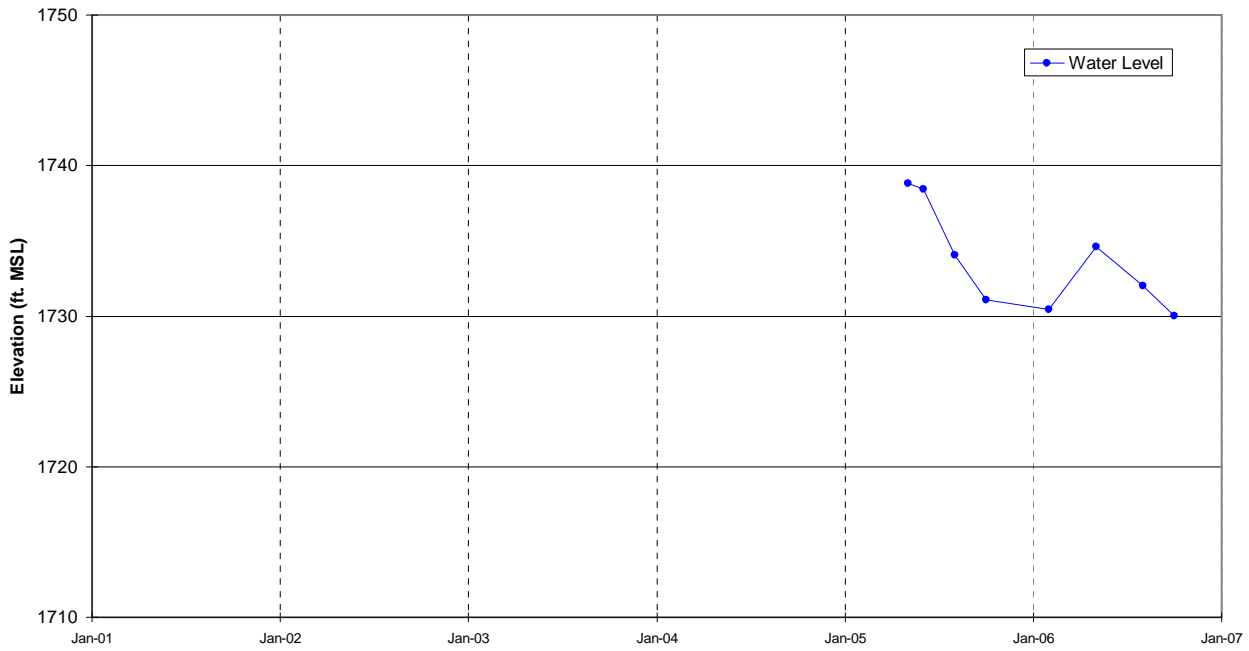
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-91
Figure A-218



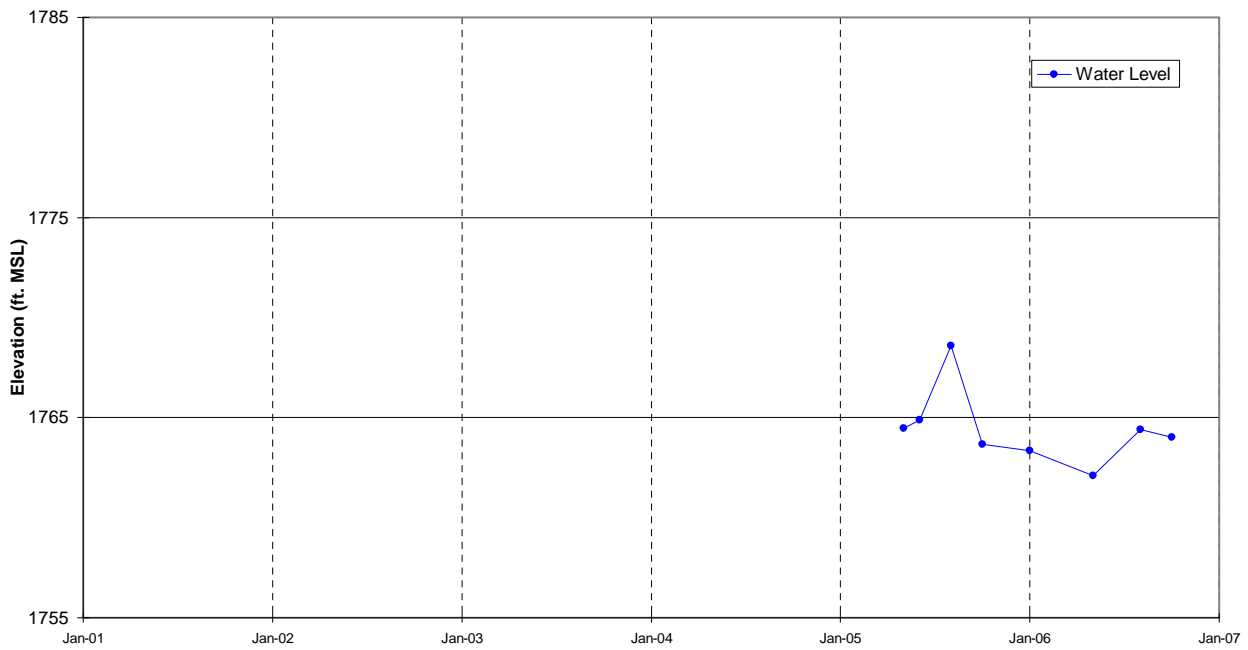
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-92
Figure A-219



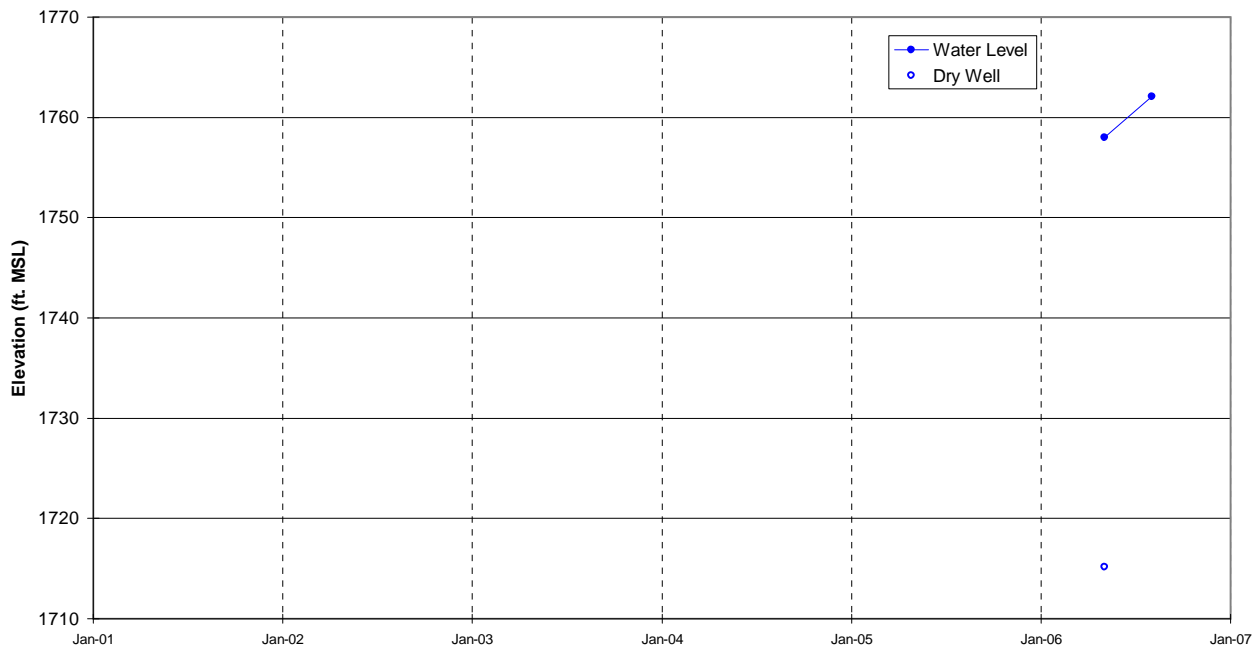
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-93
Figure A-220



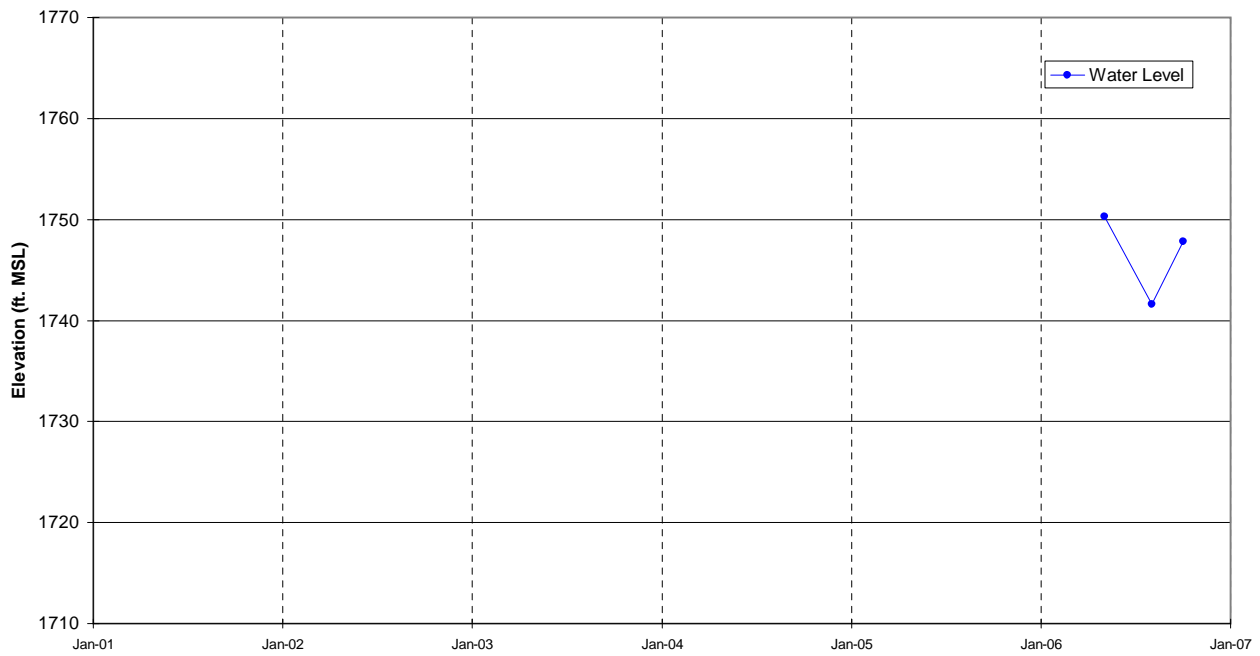
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-94
Figure A-221



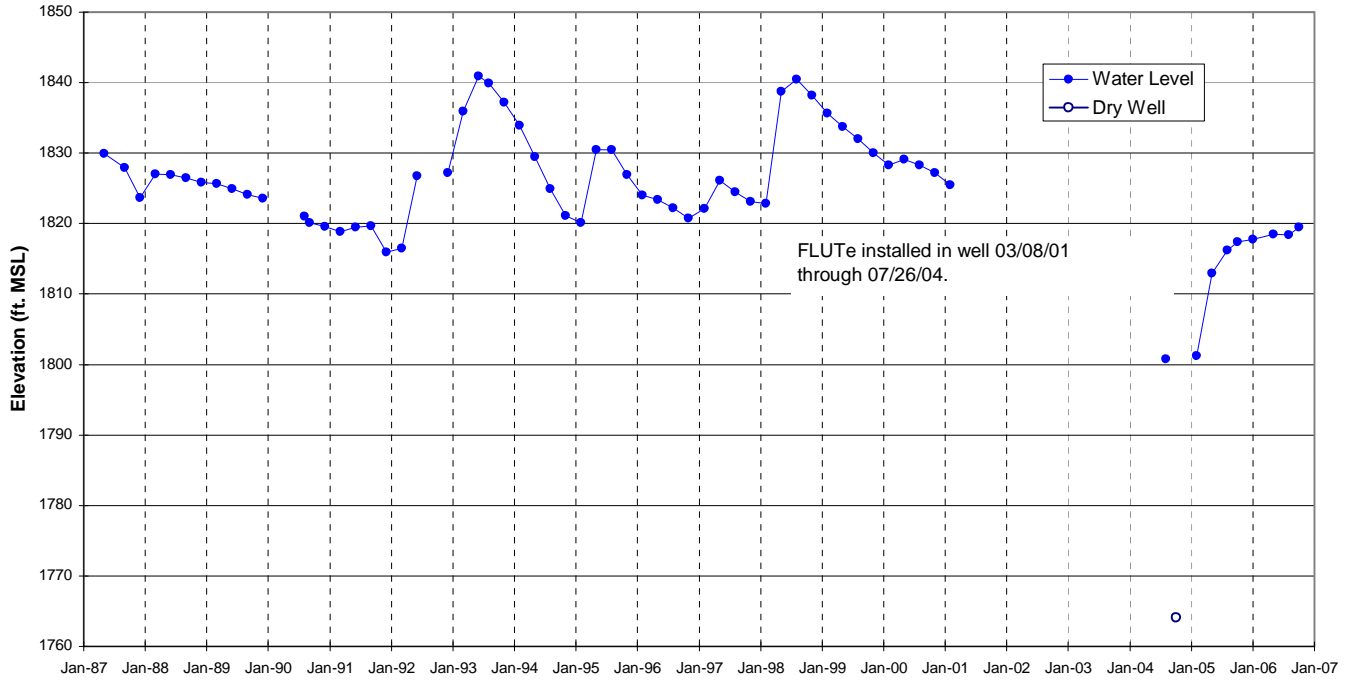
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well RD-95
Figure A-222



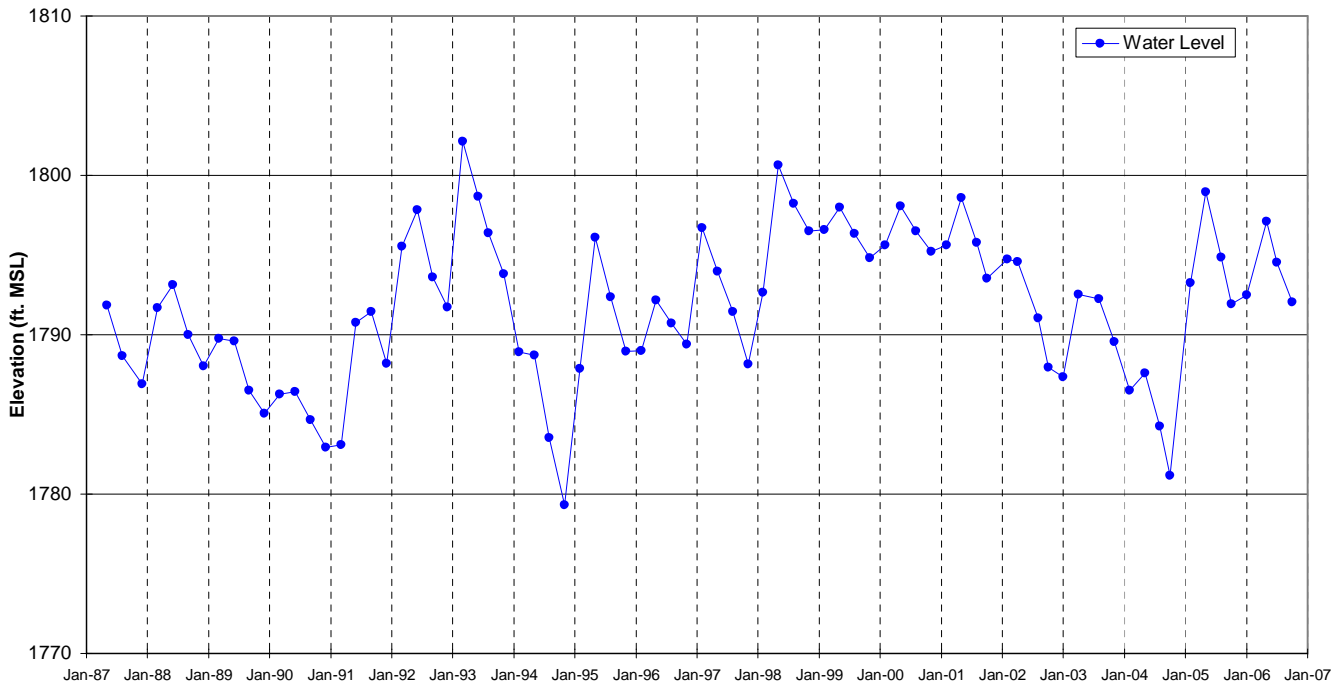
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-96
Figure A-223



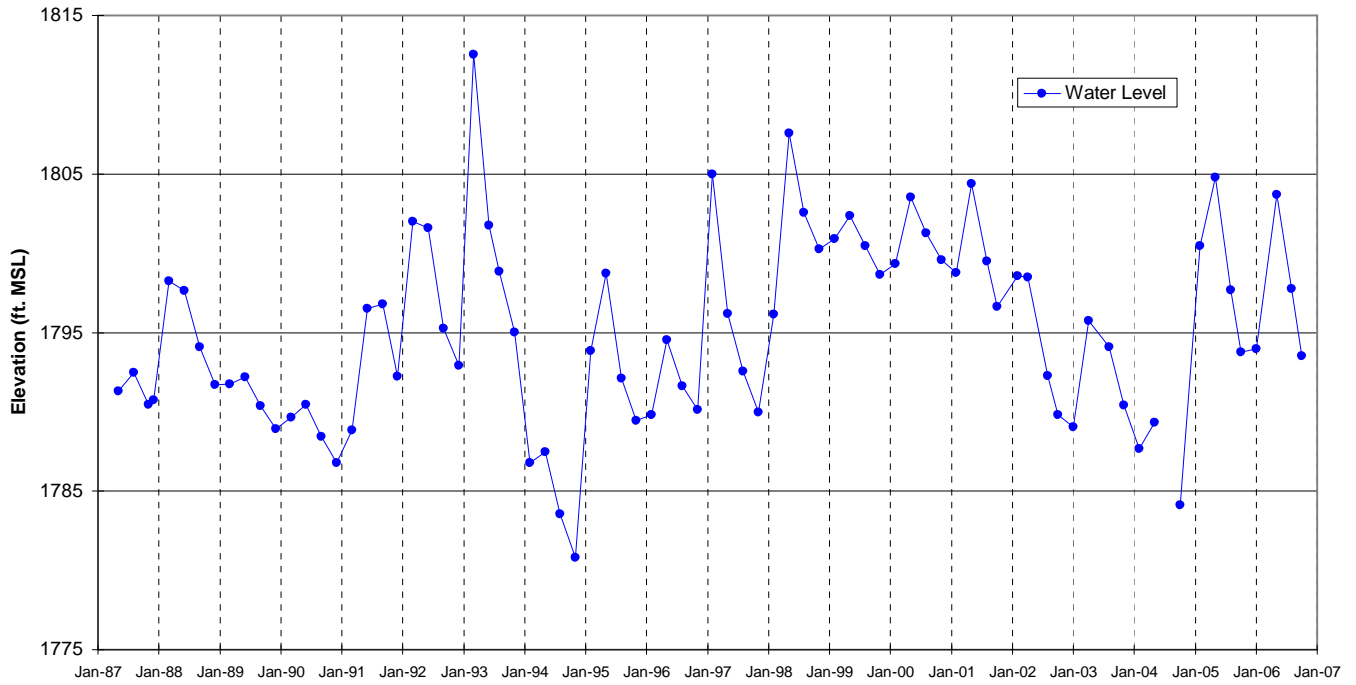
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well RD-97
Figure A-224



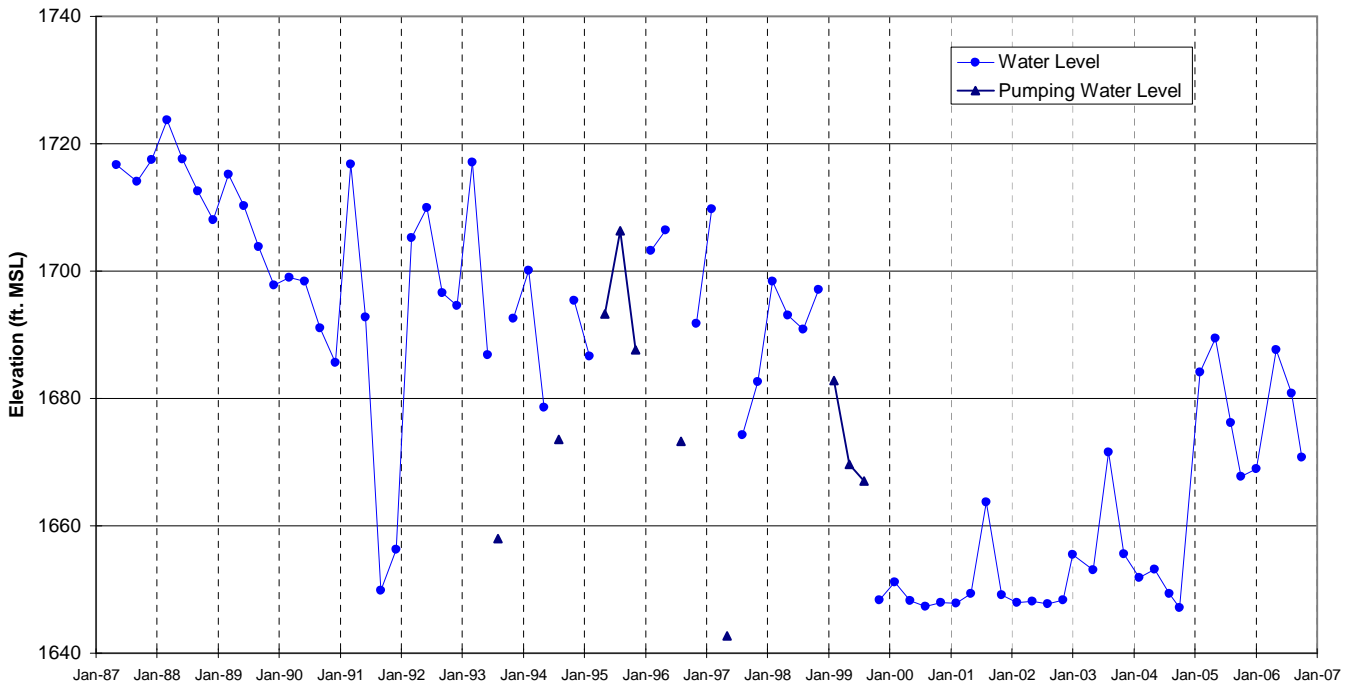
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well HAR-01
Figure A-225



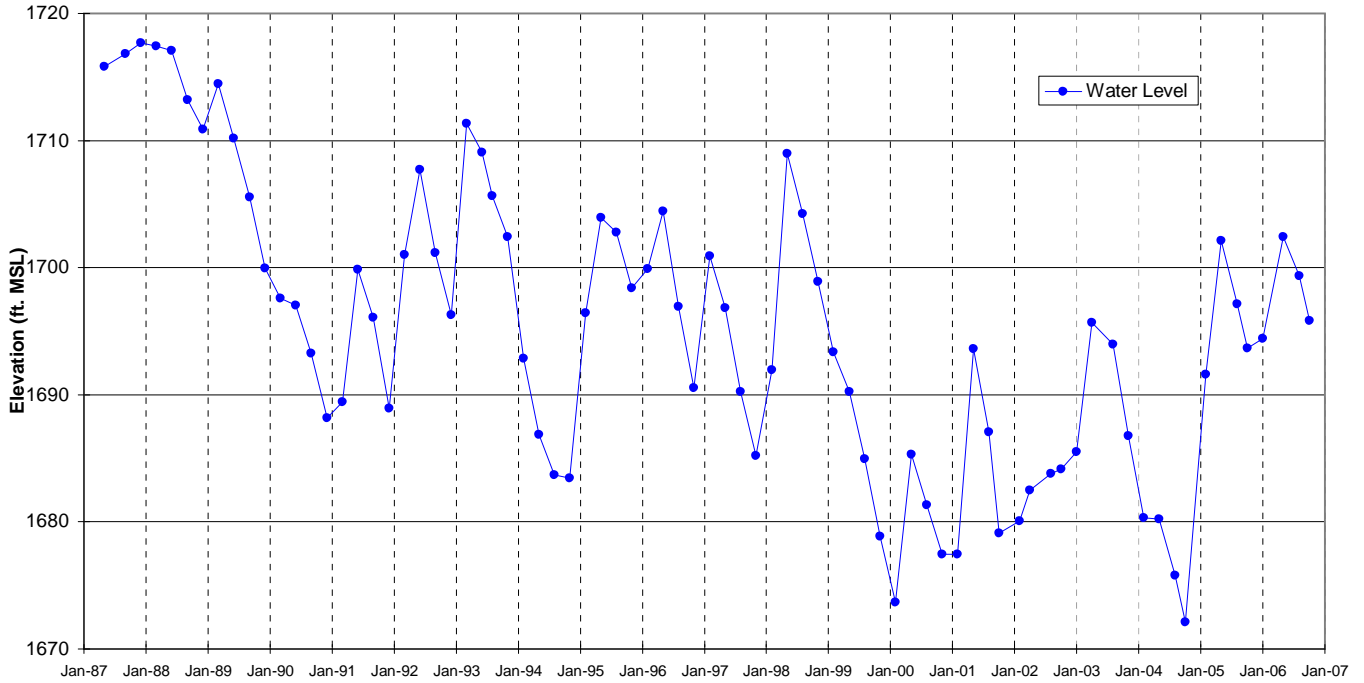
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well HAR-05
Figure A-226



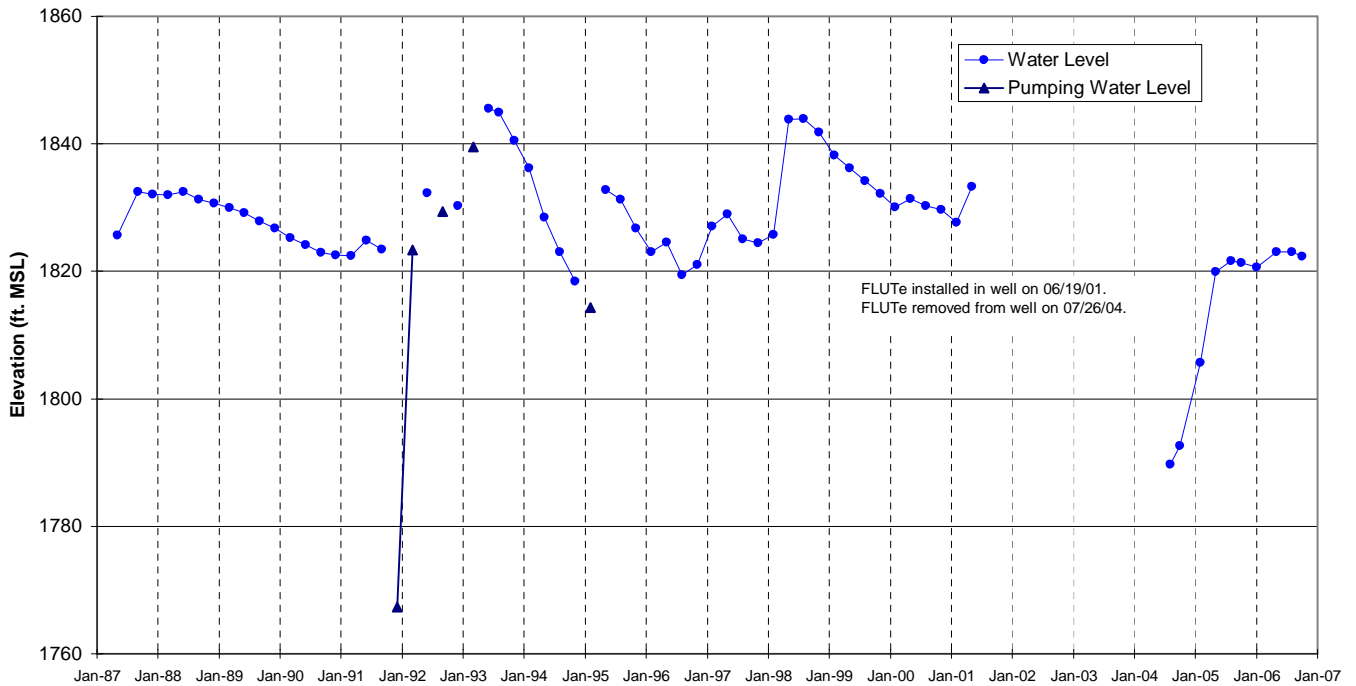
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well HAR-06
Figure A-227



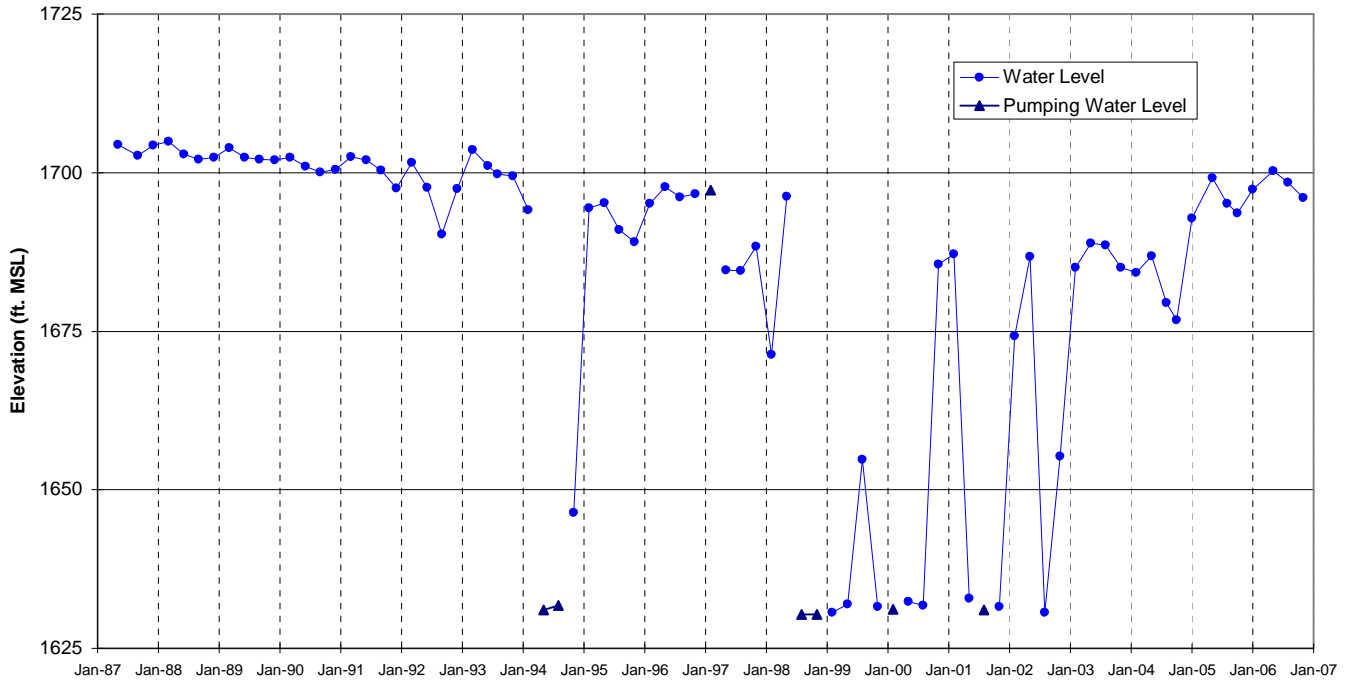
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well HAR-07
Figure A-228



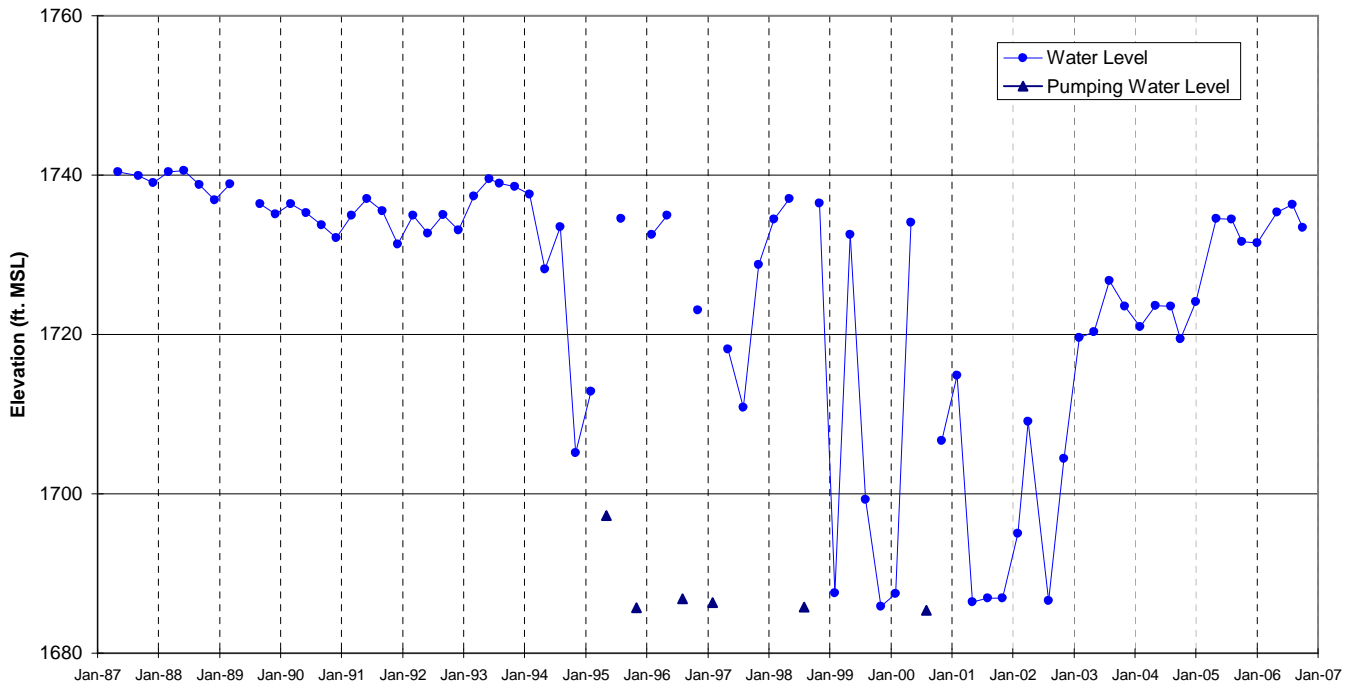
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-08
Figure A-229



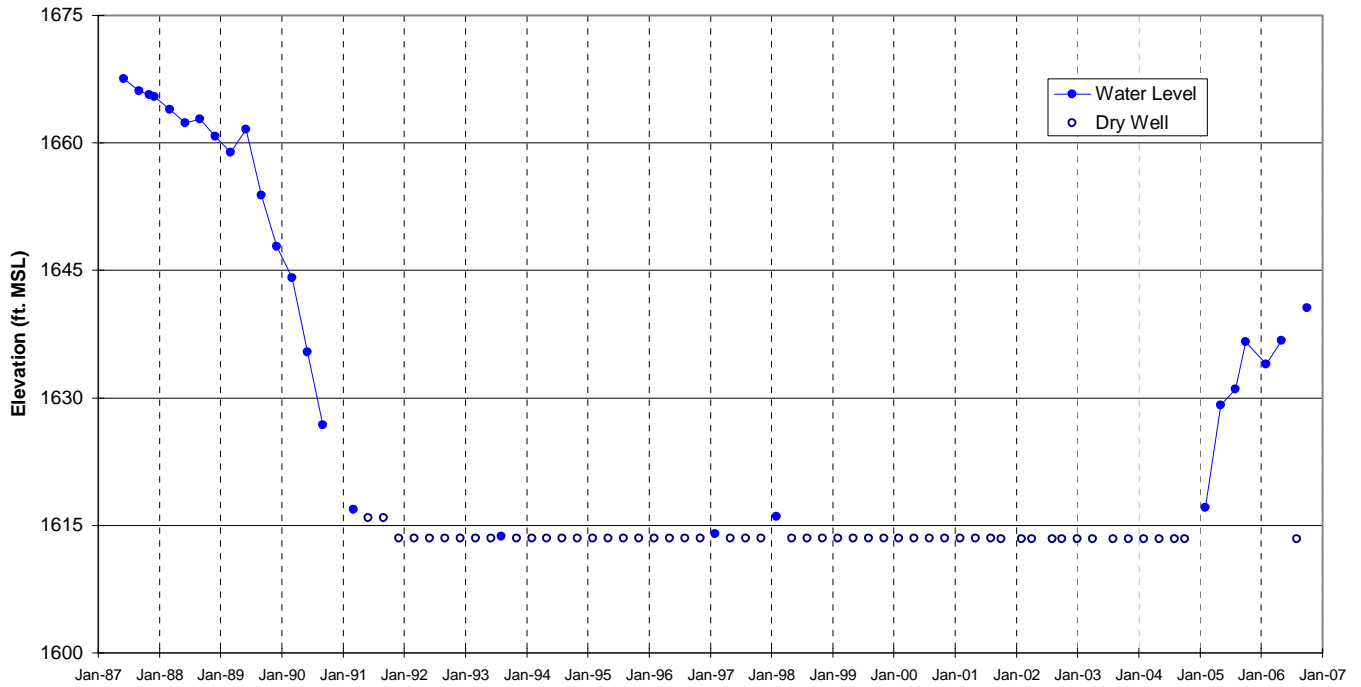
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-16
Figure A-230



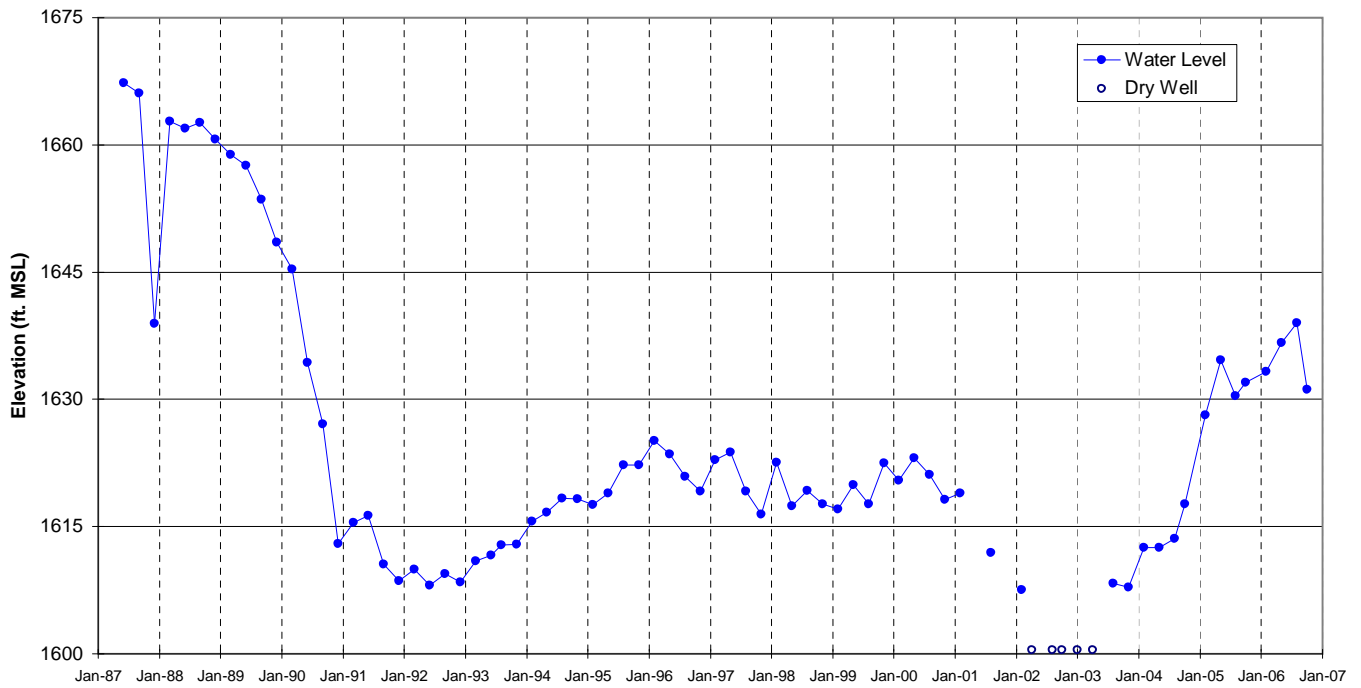
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-17
 Figure A-231



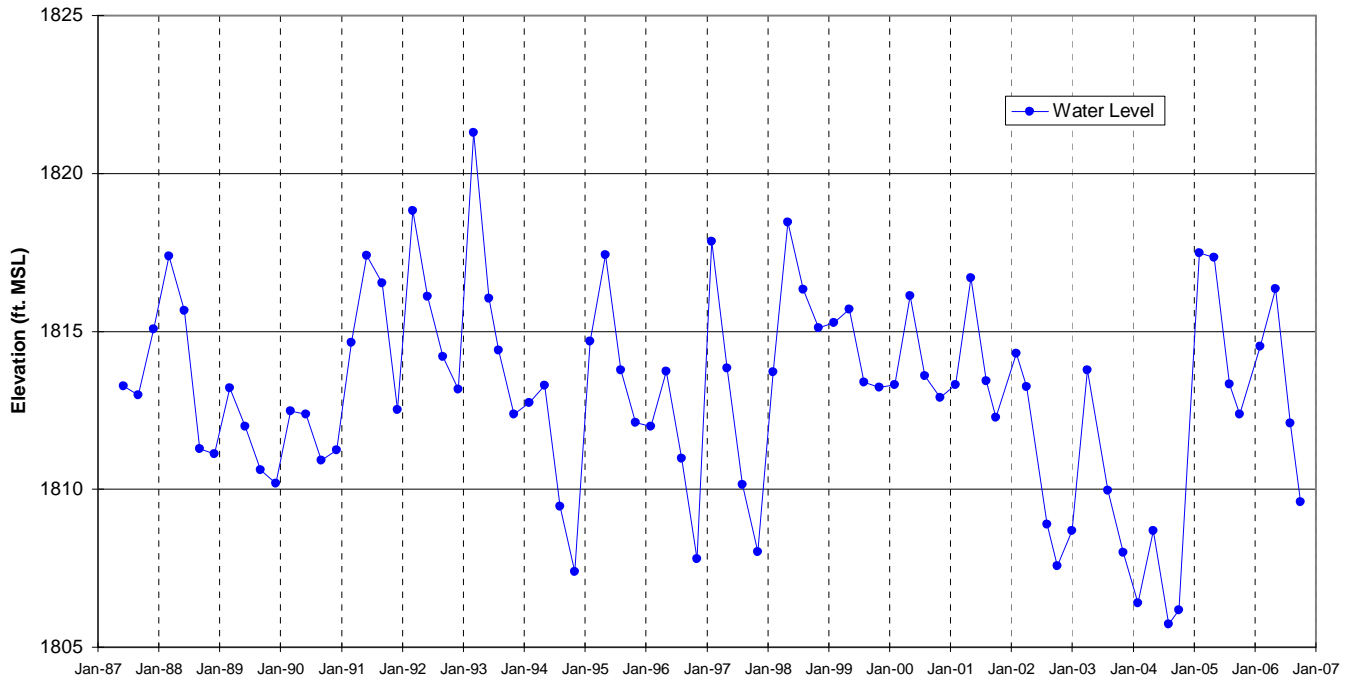
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-18
 Figure A-232



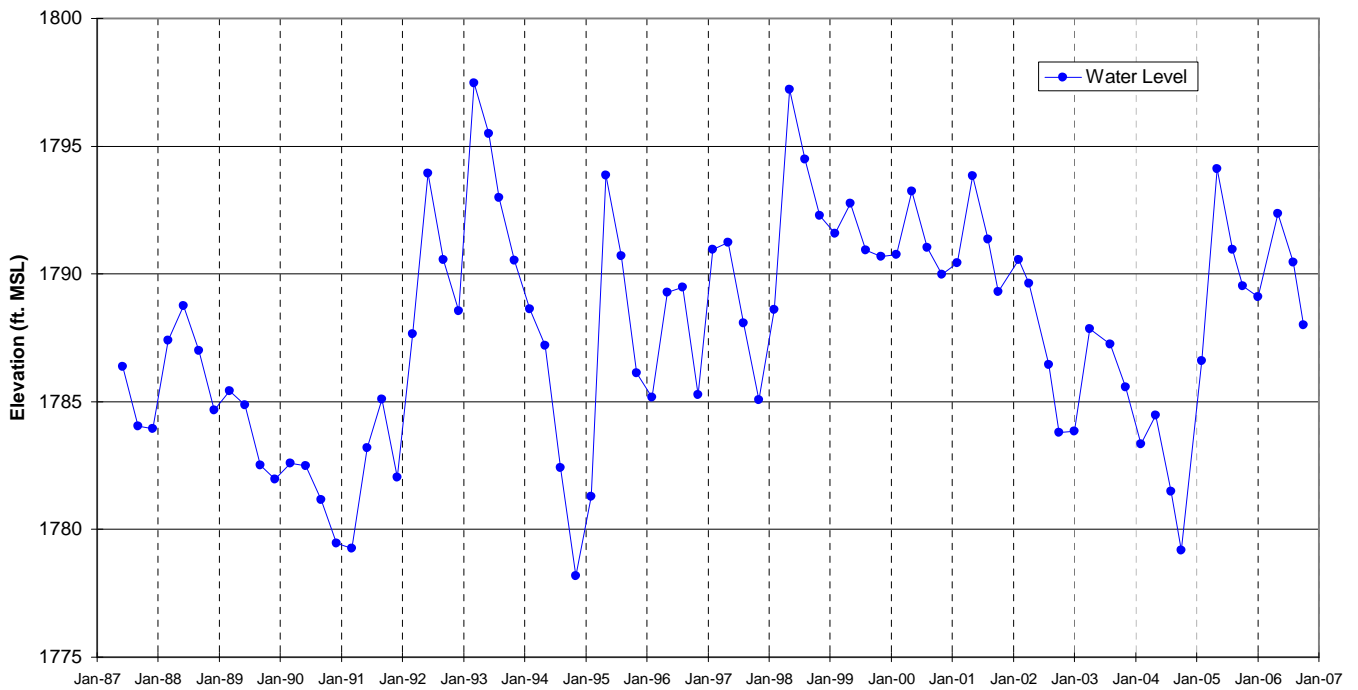
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-19
Figure A-233



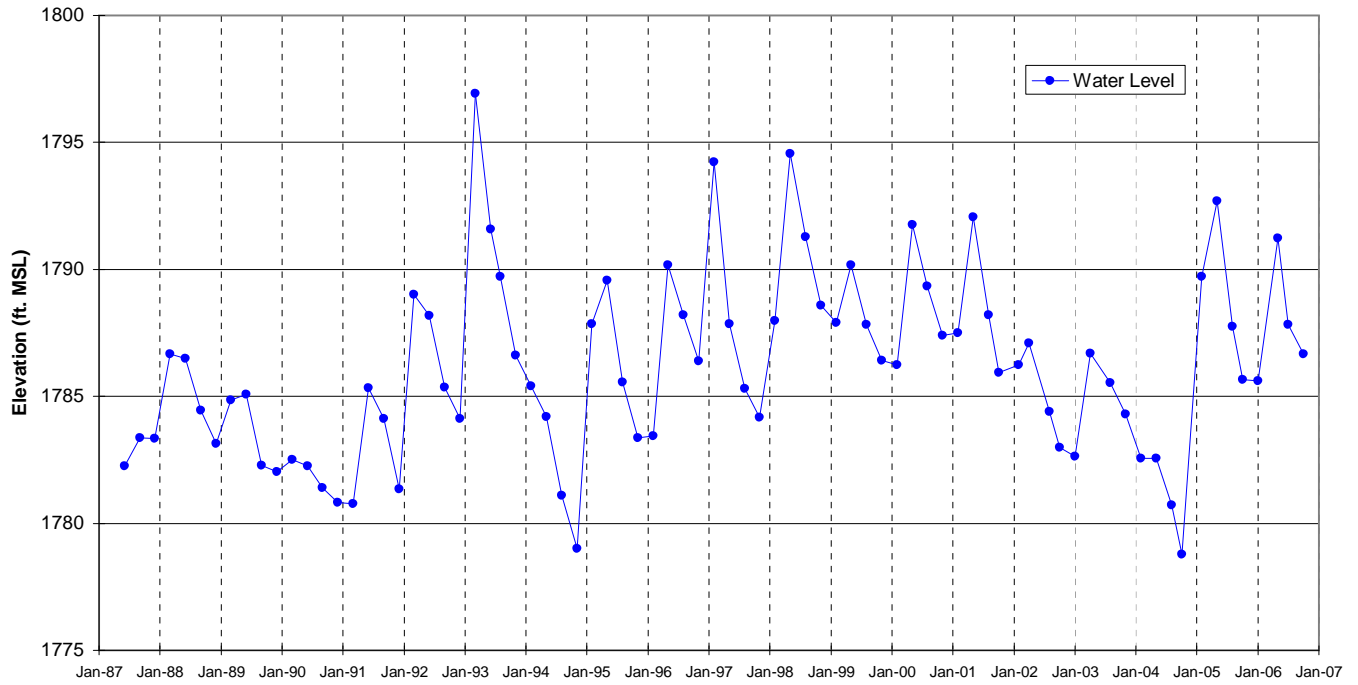
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-20
Figure A-234



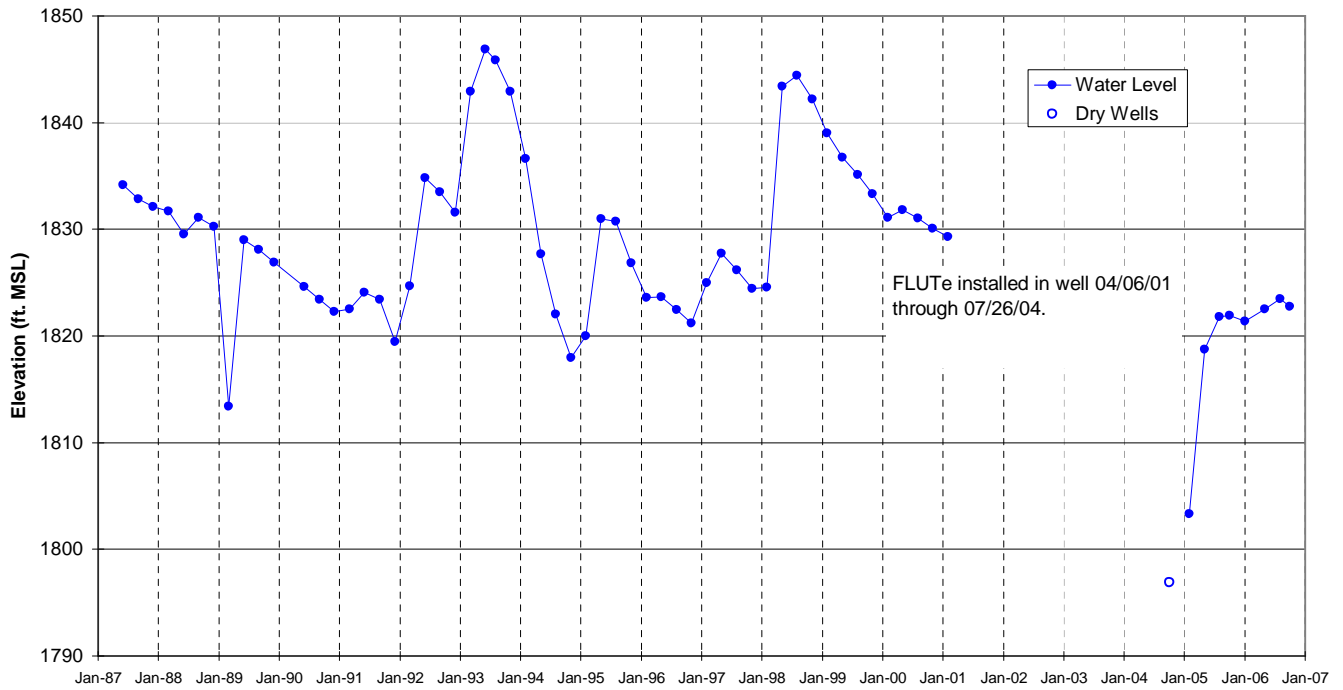
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-21
 Figure A-235



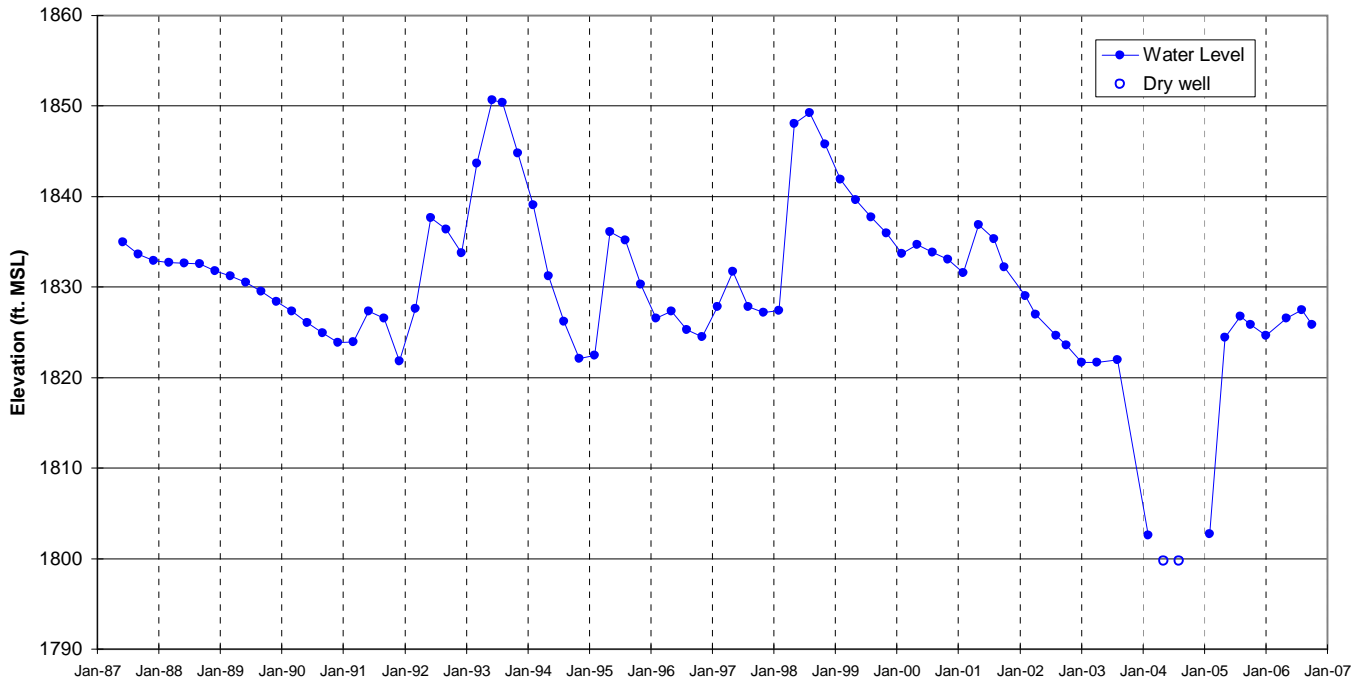
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-22
 Figure A-236



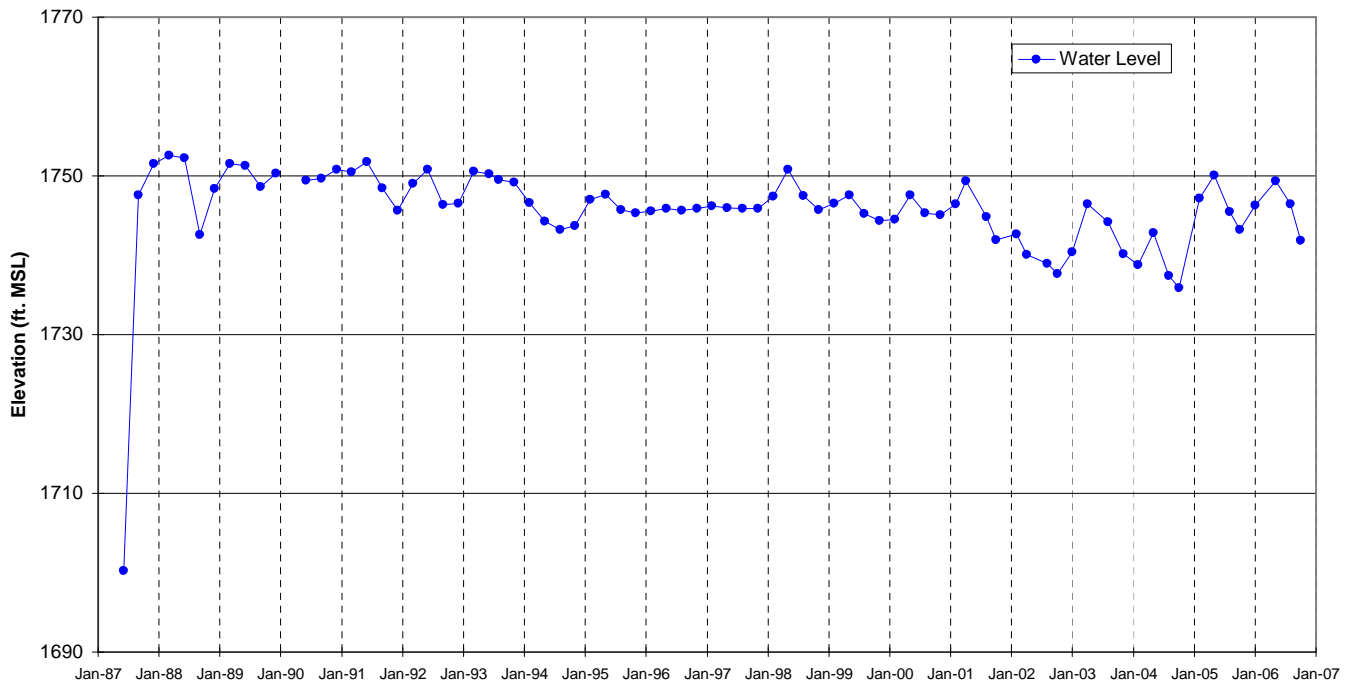
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-23
Figure A-237



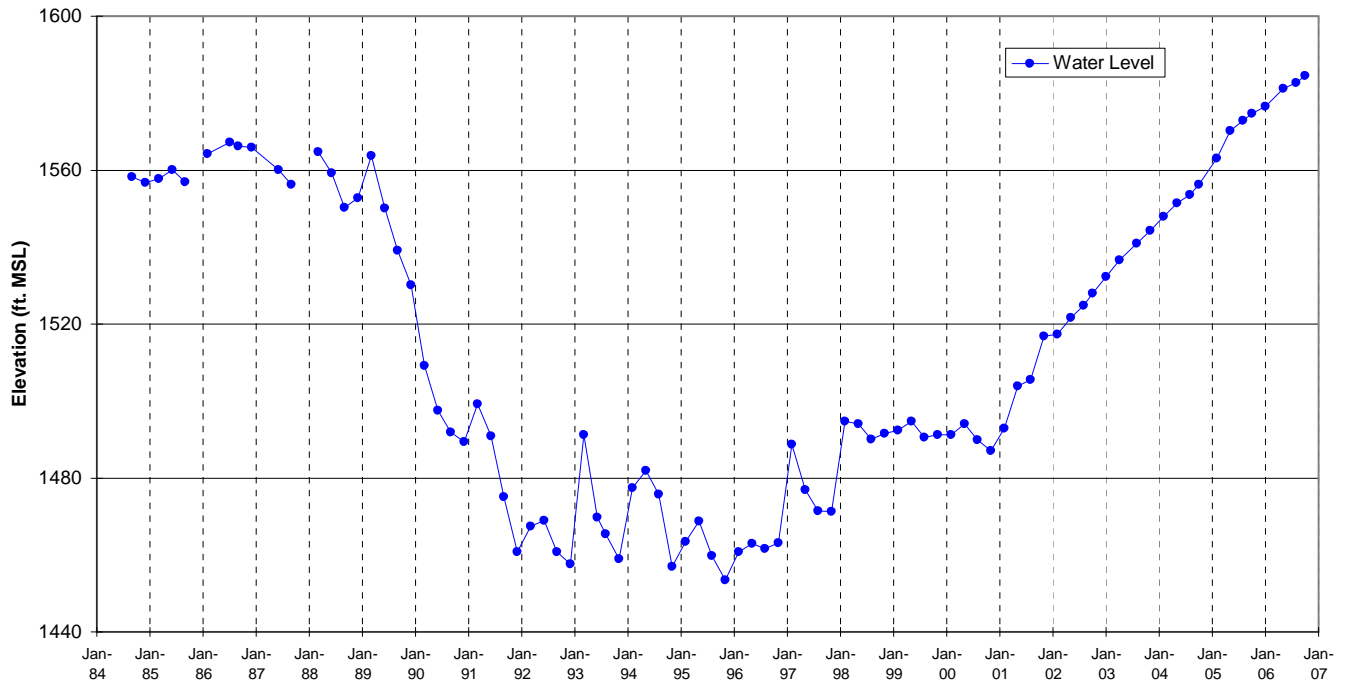
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-24
Figure A-238



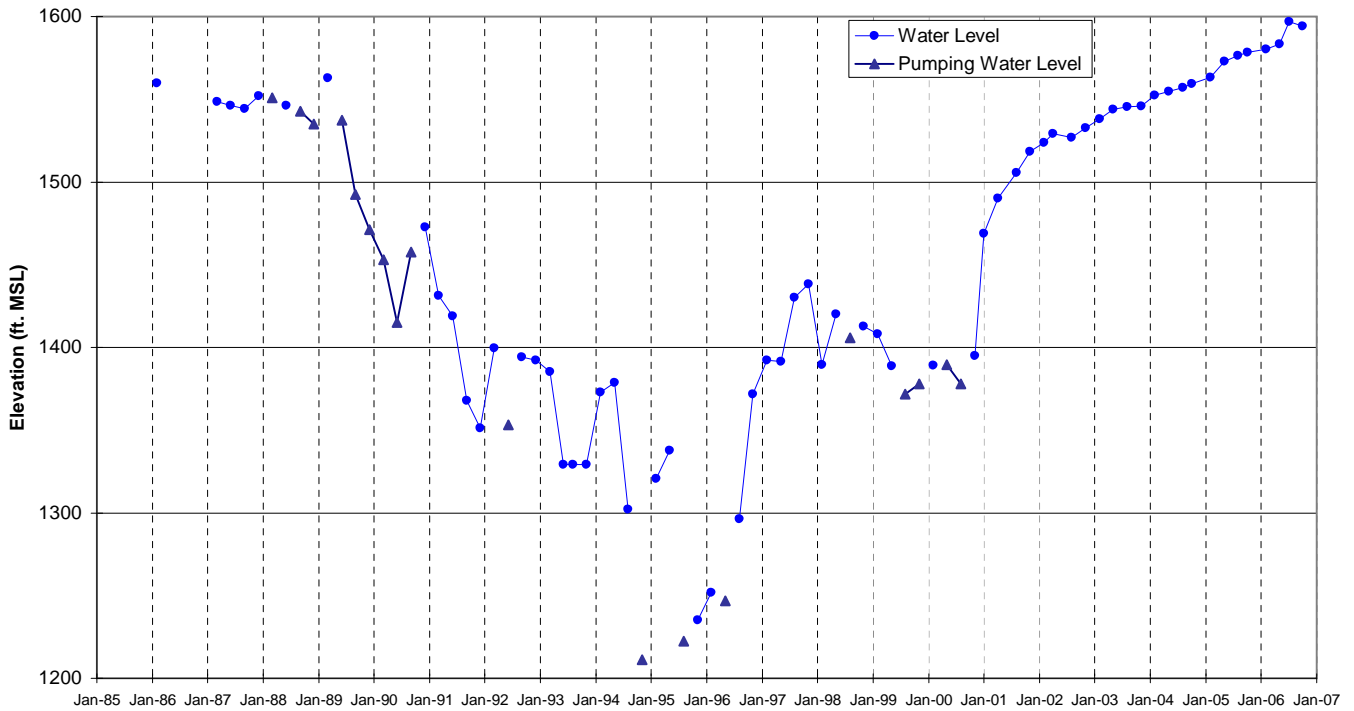
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-25
Figure A-239



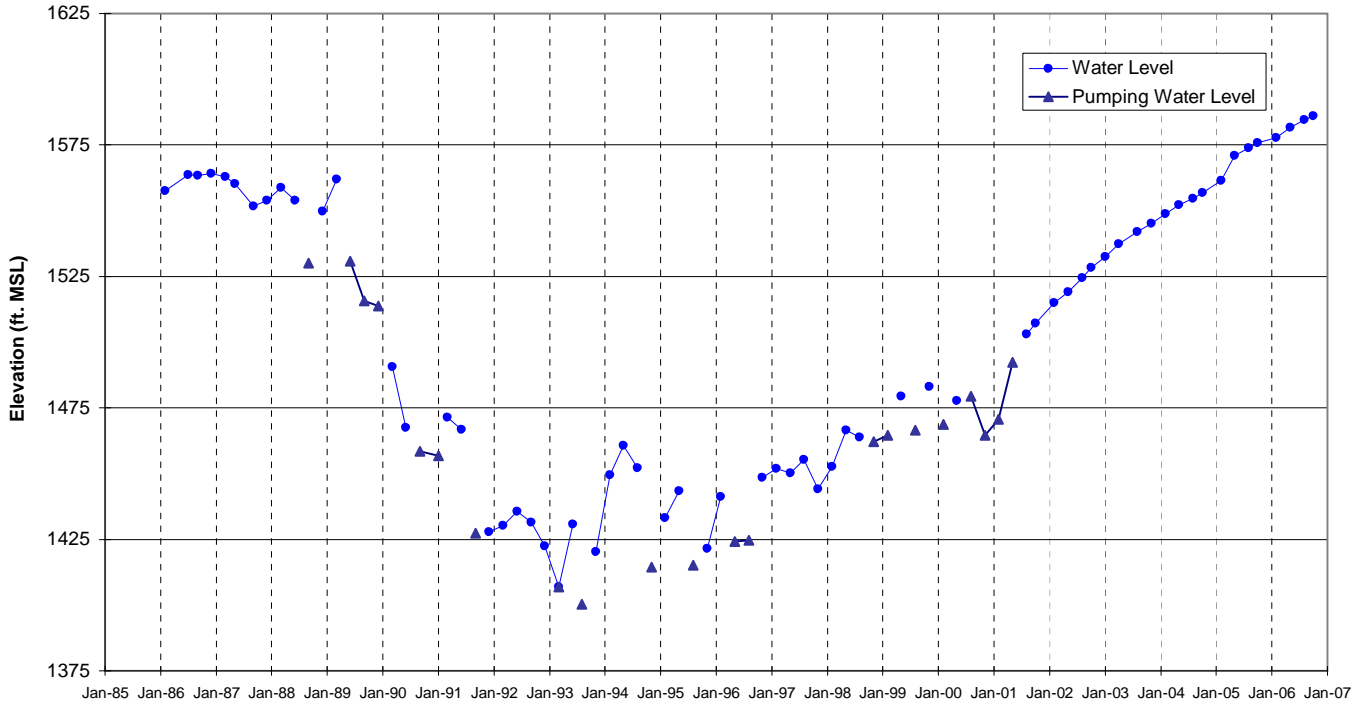
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well HAR-26
Figure A-240



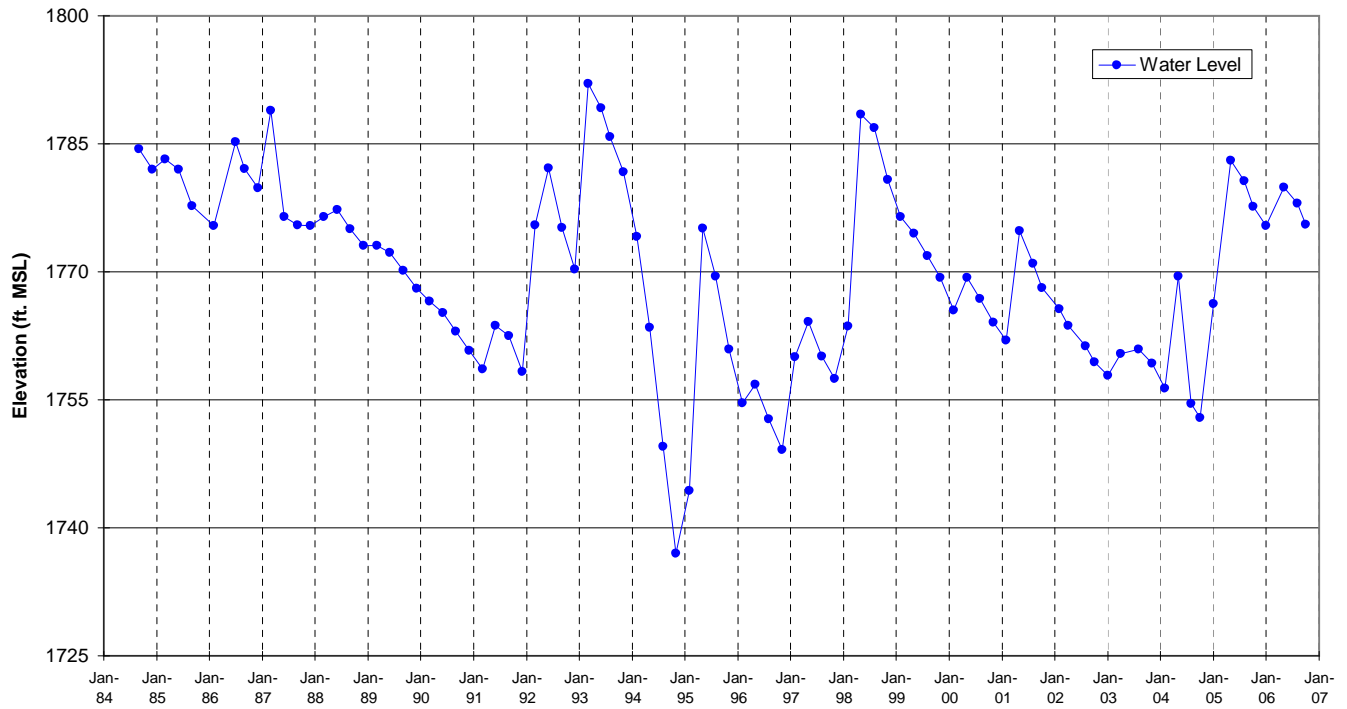
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-04A
Figure A-241



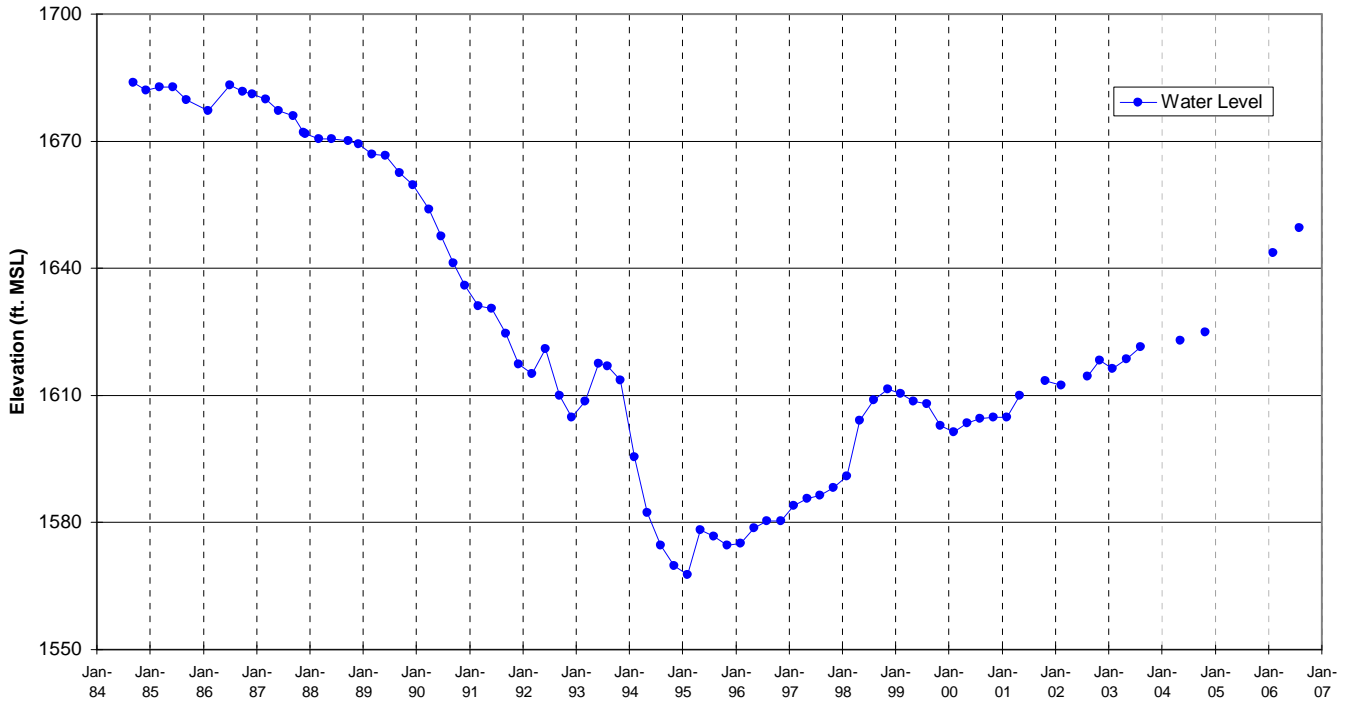
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-05
Figure A-242



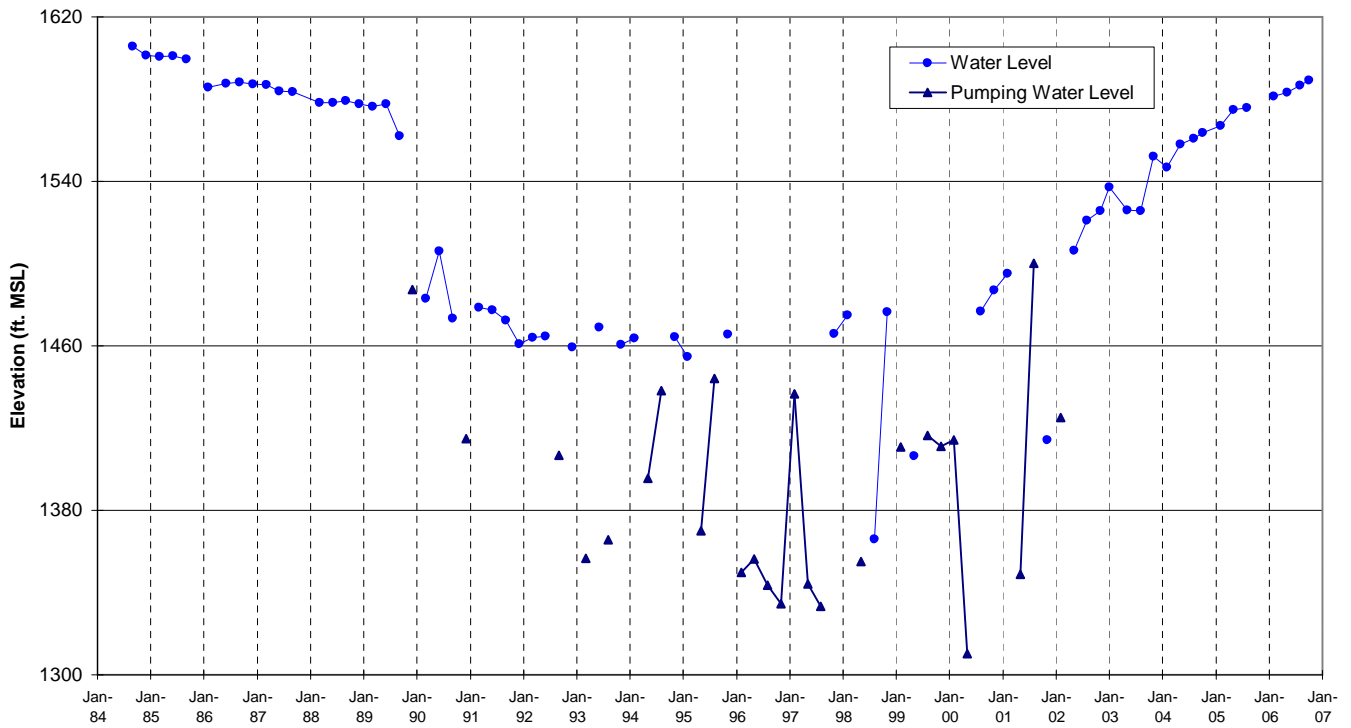
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-06
Figure A-243



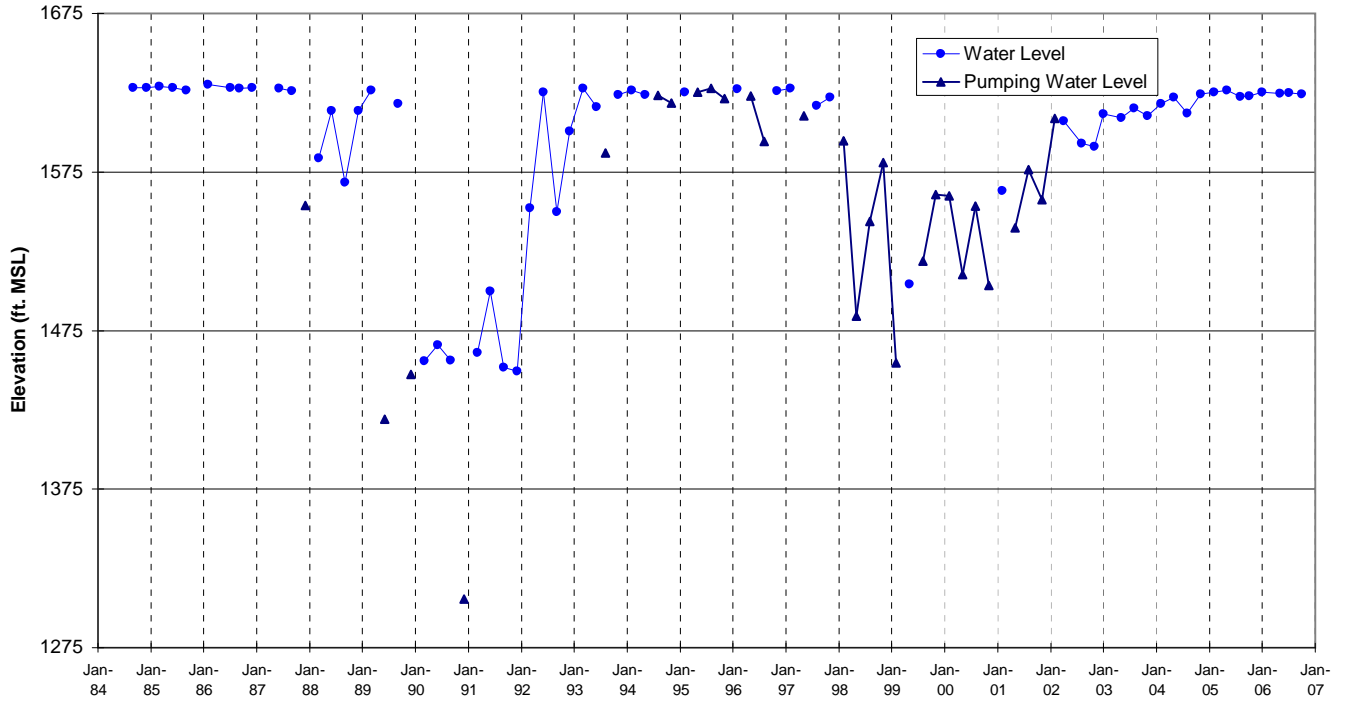
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-07
Figure A-244



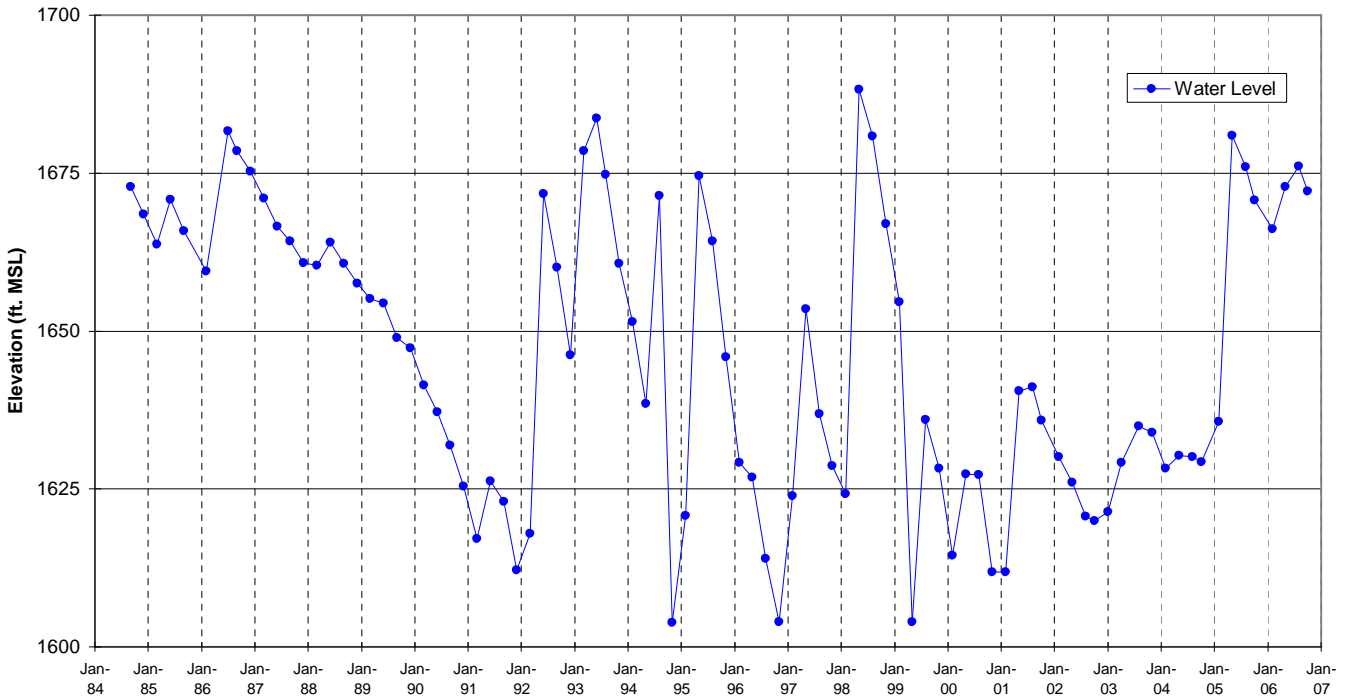
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-08
 Figure A-245



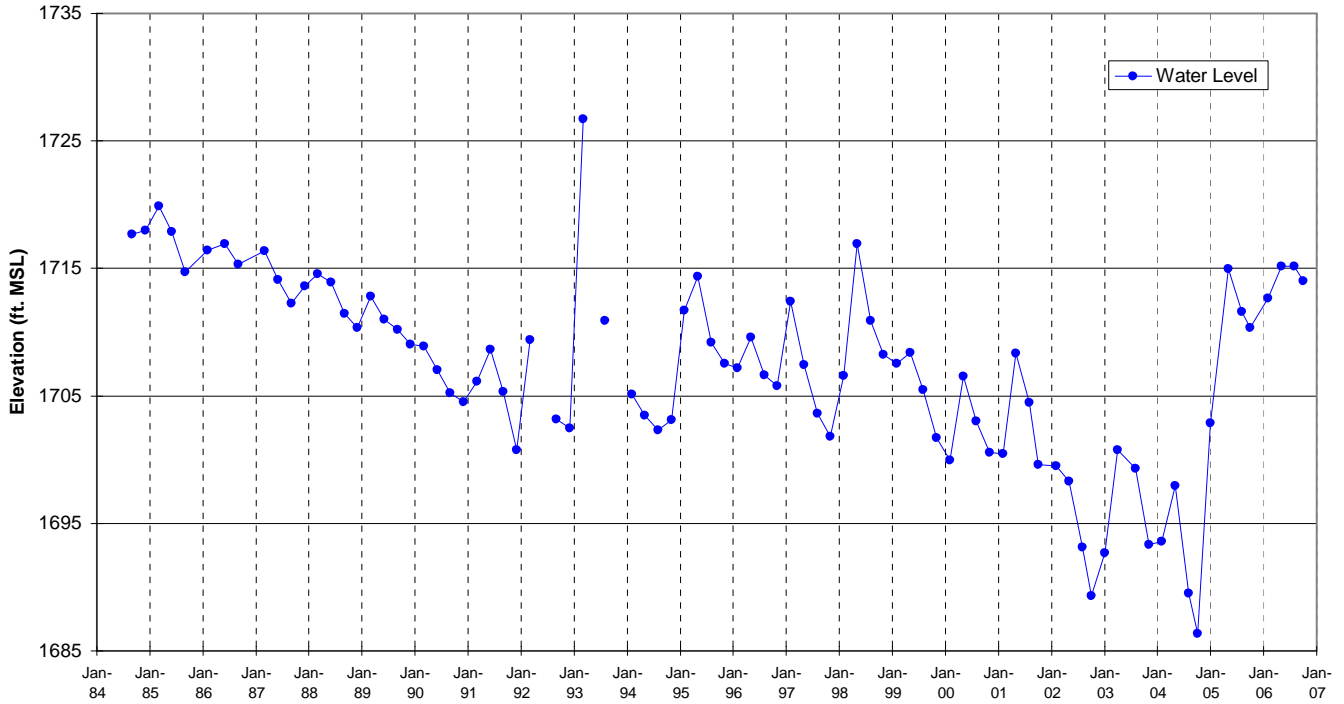
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-09
 Figure A-246



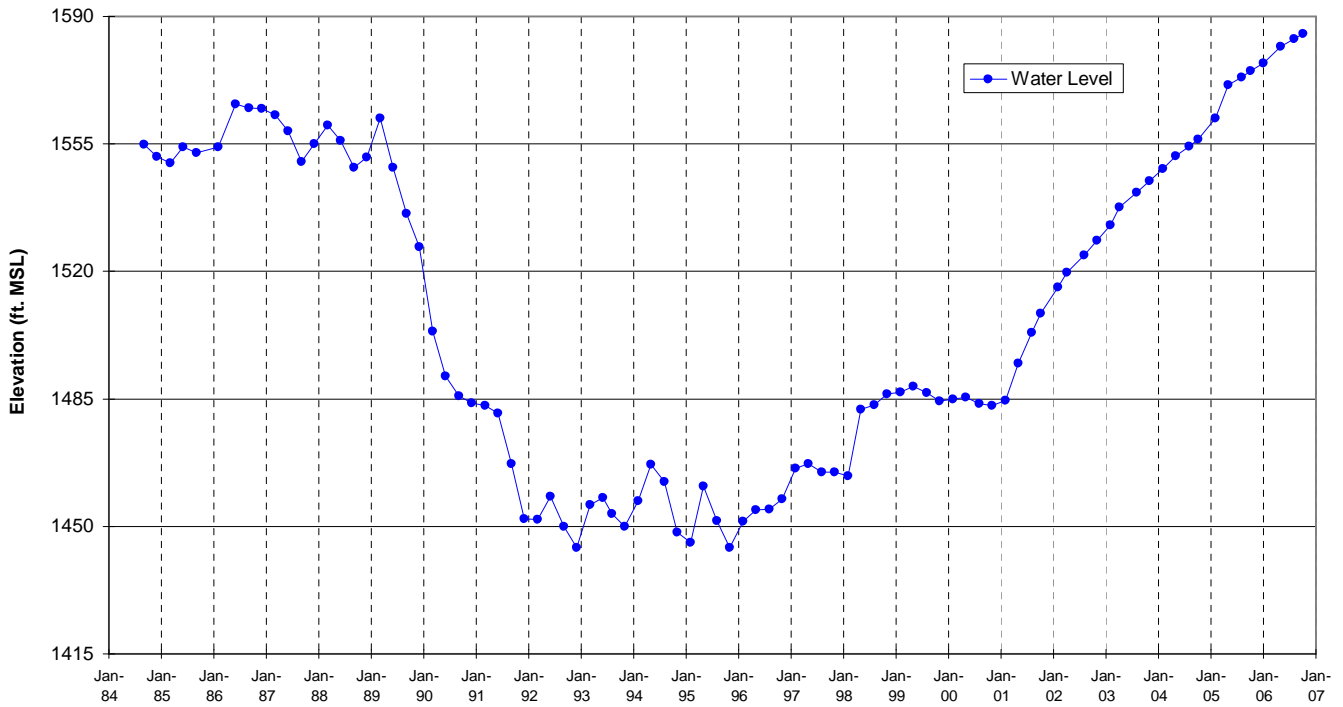
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well WS-09A
Figure A-247



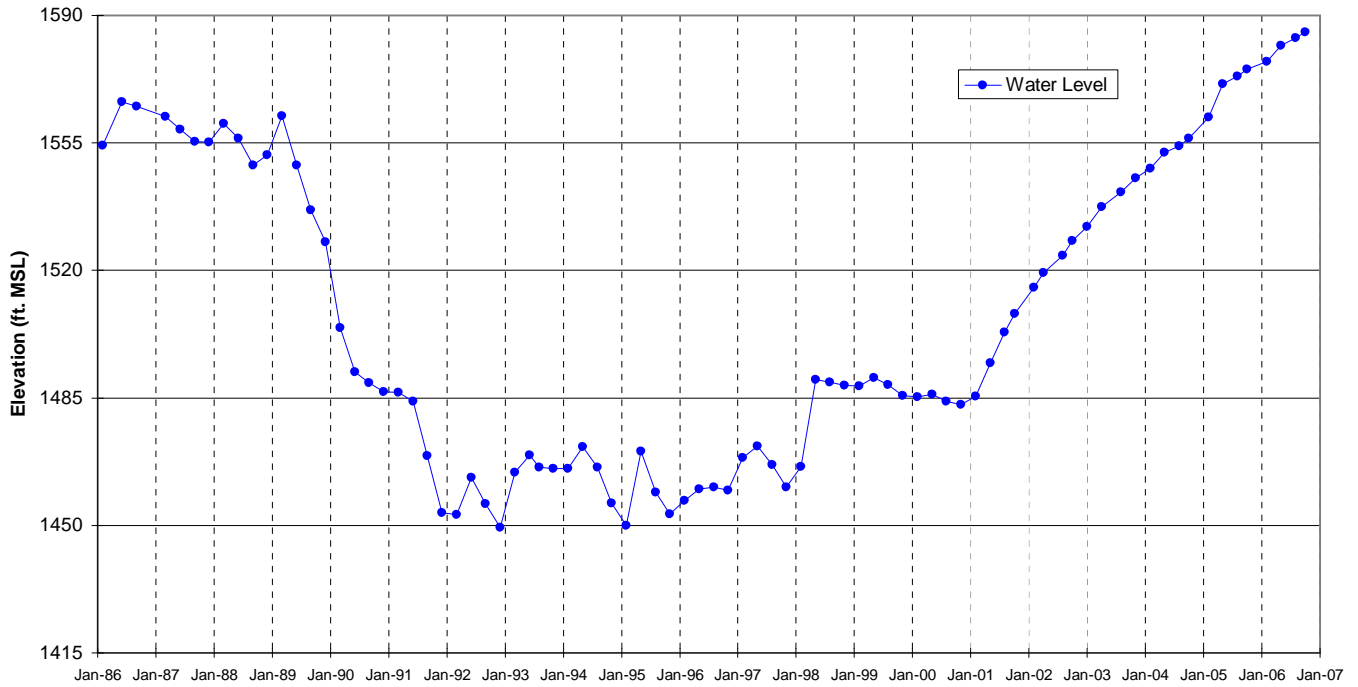
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well WS-09B
Figure A-248



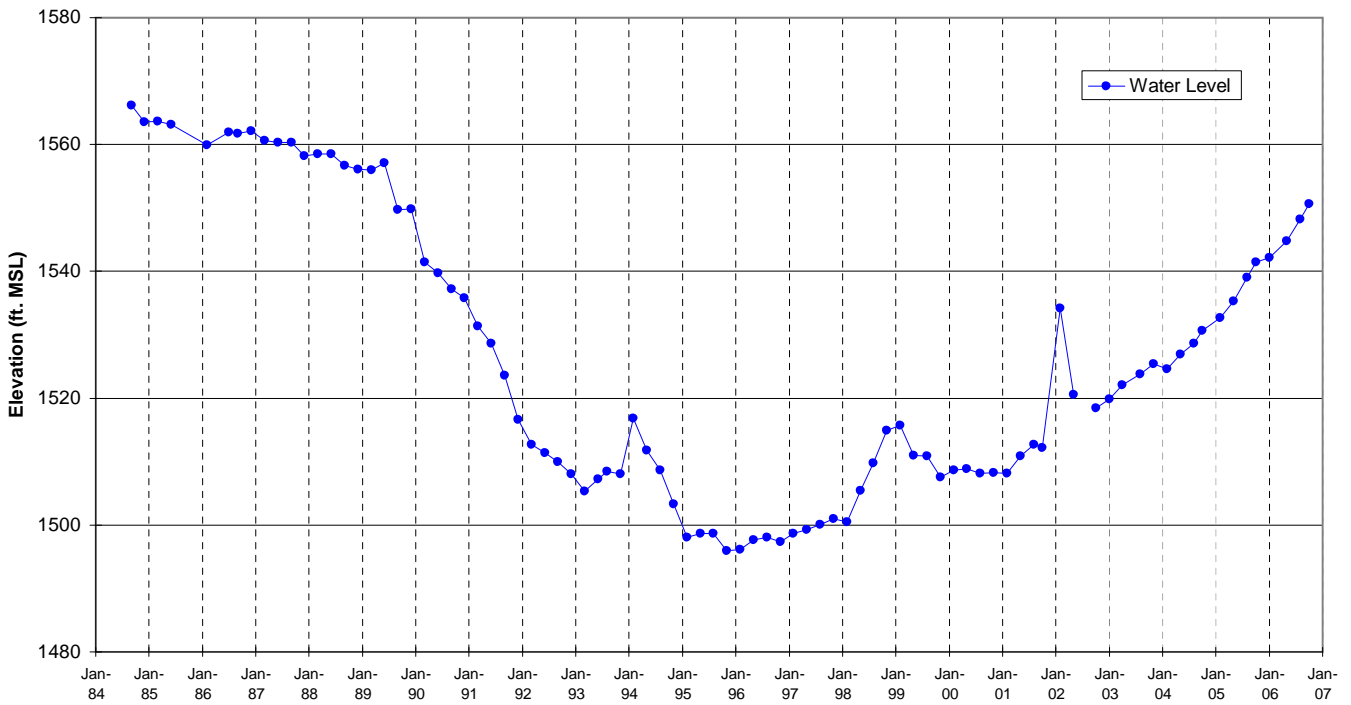
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well WS-11
Figure A-249



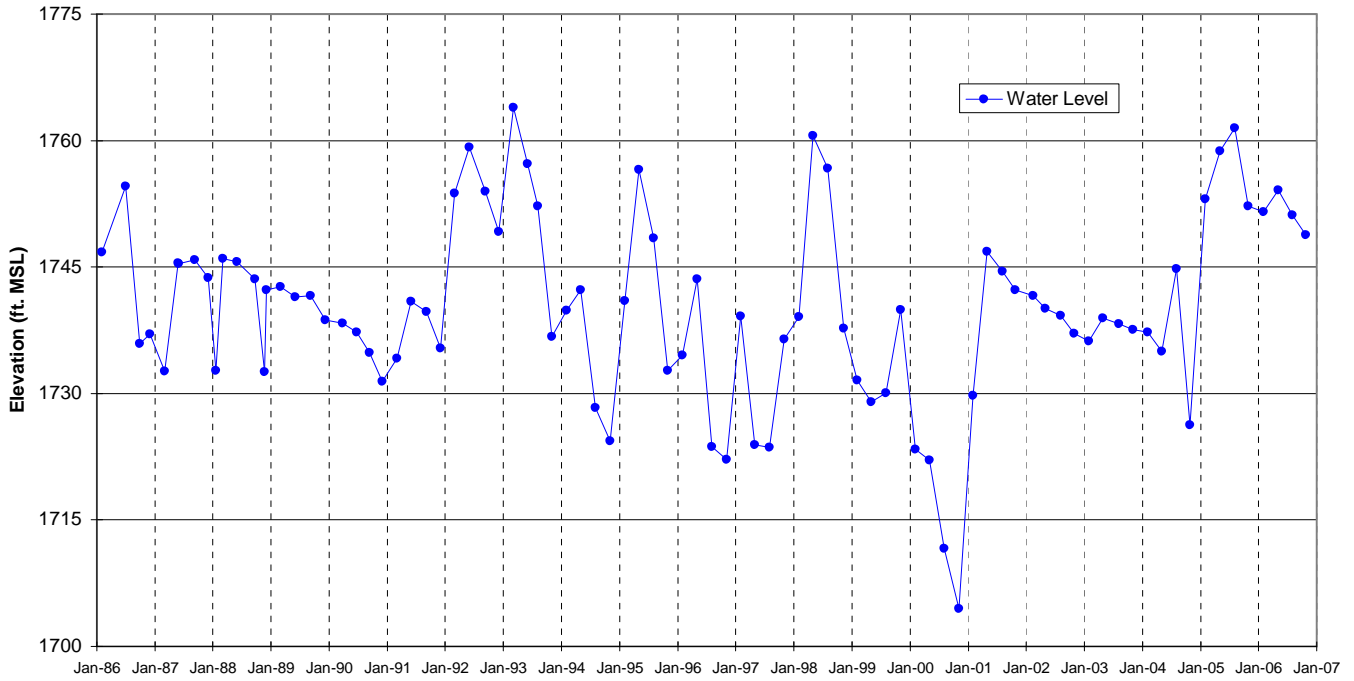
WATER LEVEL HYDROGRAPH
Chatsworth Formation Well WS-12
Figure A-250



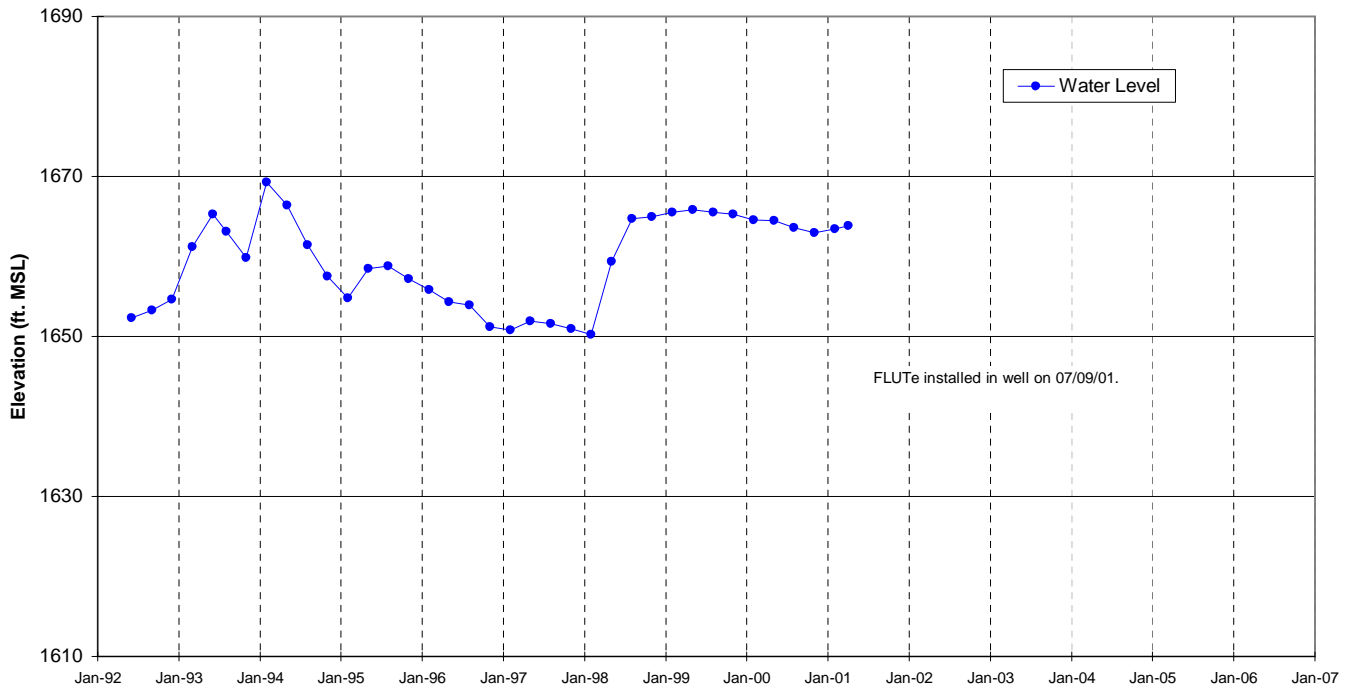
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-13
Figure A-251



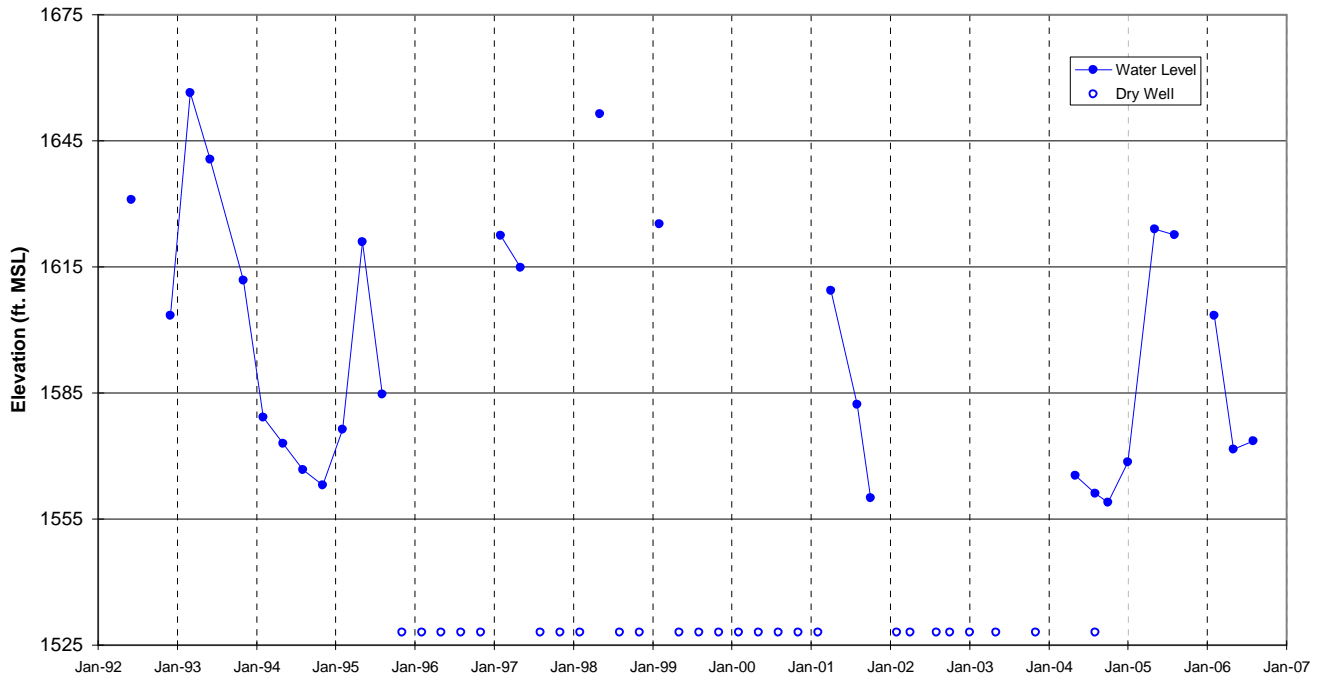
WATER LEVEL HYDROGRAPH
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Figure A-252



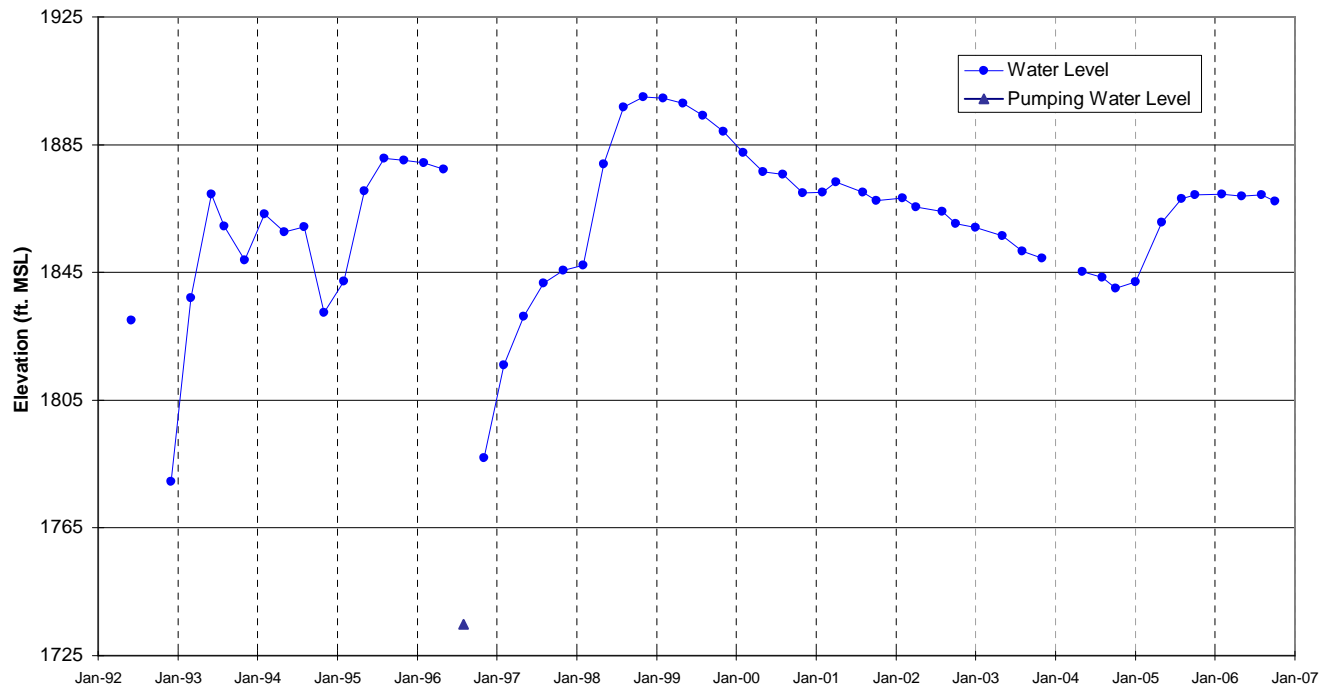
WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well WS-SP
Figure A-253



WATER LEVEL HYDROGRAPH
 Chatsworth Formation Well OS-24
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WATER LEVEL HYDROGRAPH
Chatsworth Formation Well OS-25
Figure A-255



WATER LEVEL HYDROGRAPH
Chatsworth Formation Well OS-26
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Figure A-257
Chatsworth Formation Well RD-10 FLUTe Hydrograph

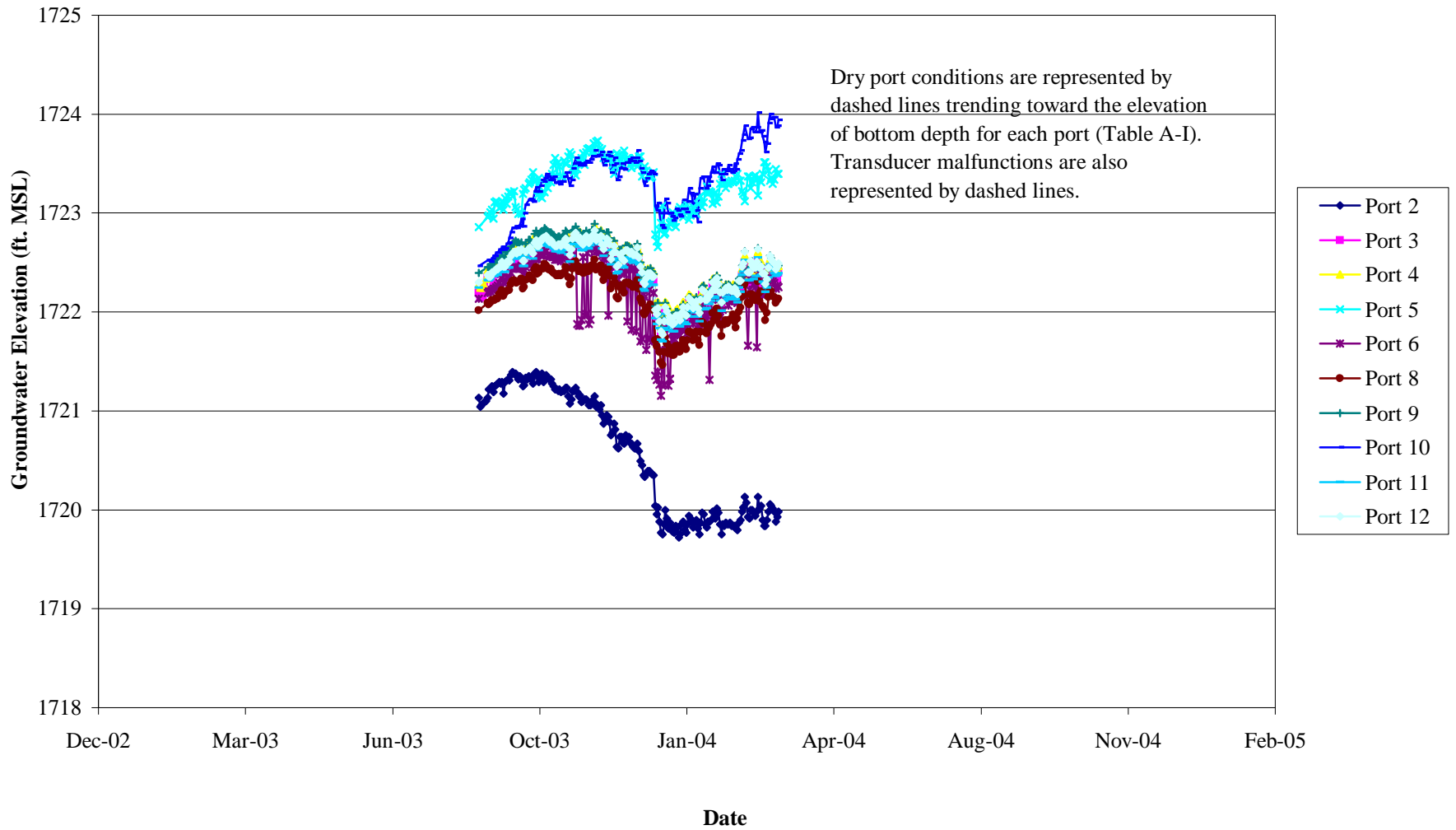


Figure A-258
Chatsworth Formation Well RD-21 FLUTe Hydrograph

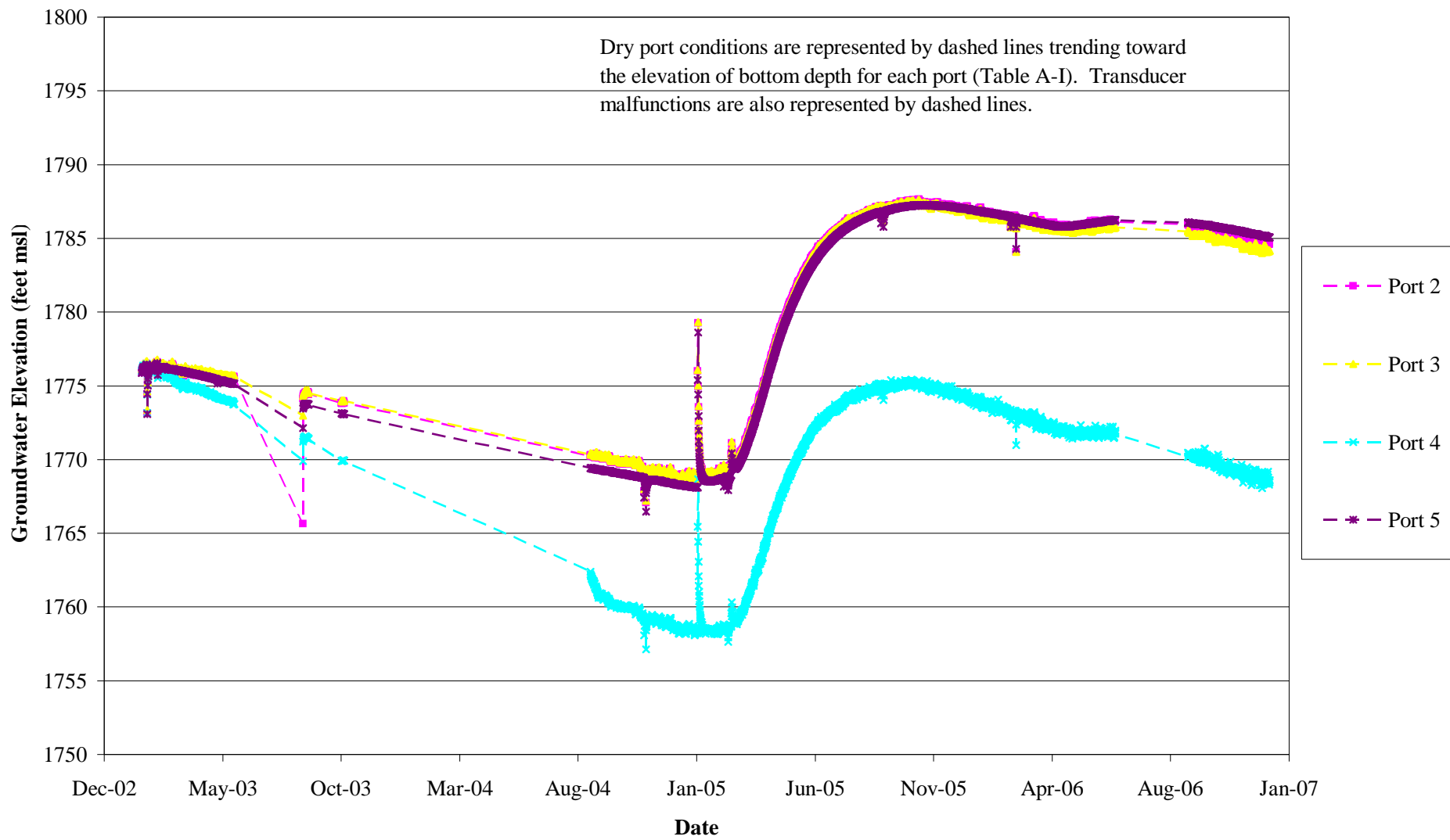


Figure A-259
Chatsworth Formation Well RD-22 FLUTe Hydrograph

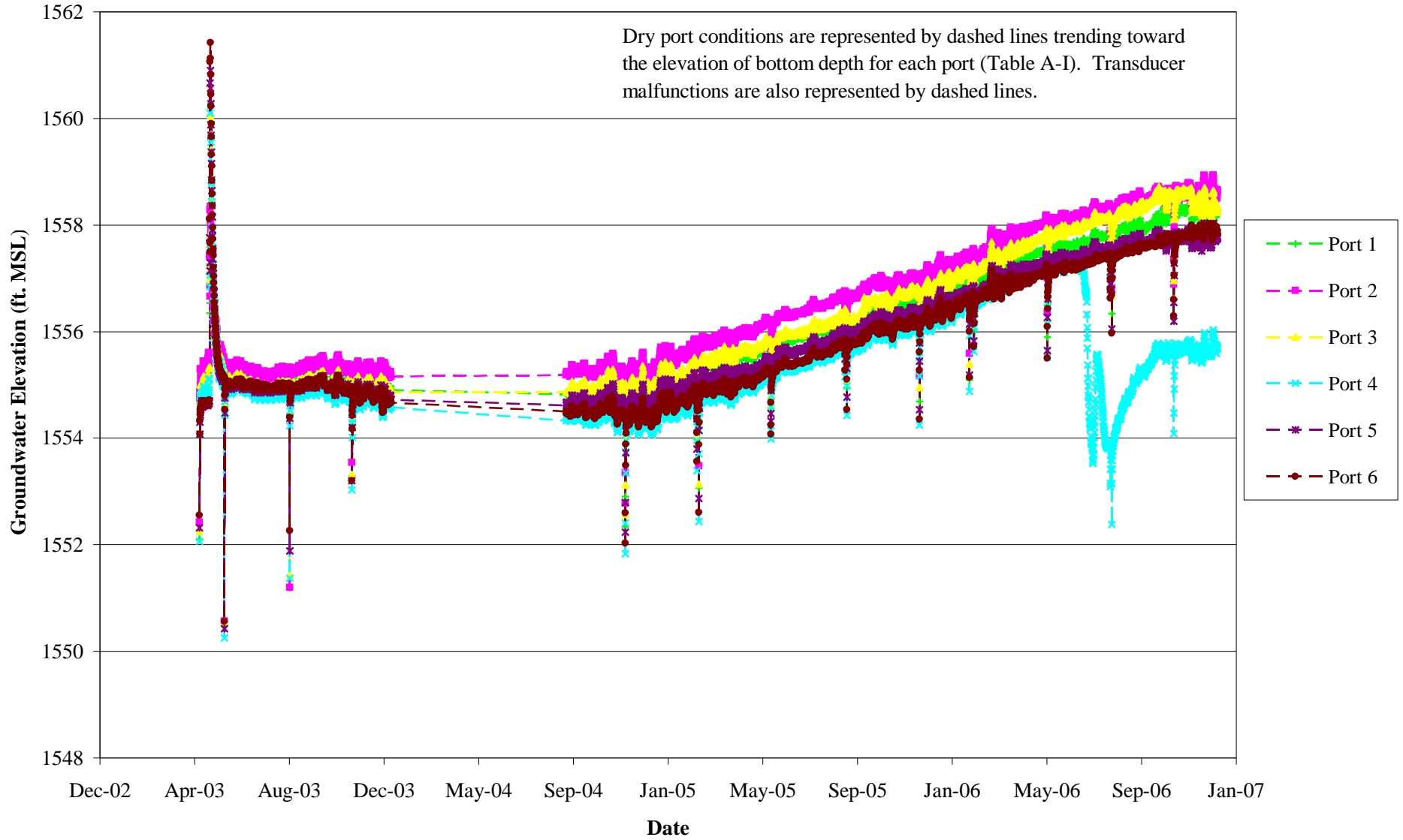


Figure A-260
Chatsworth Formation Well RD-23 FLUTe Hydrograph

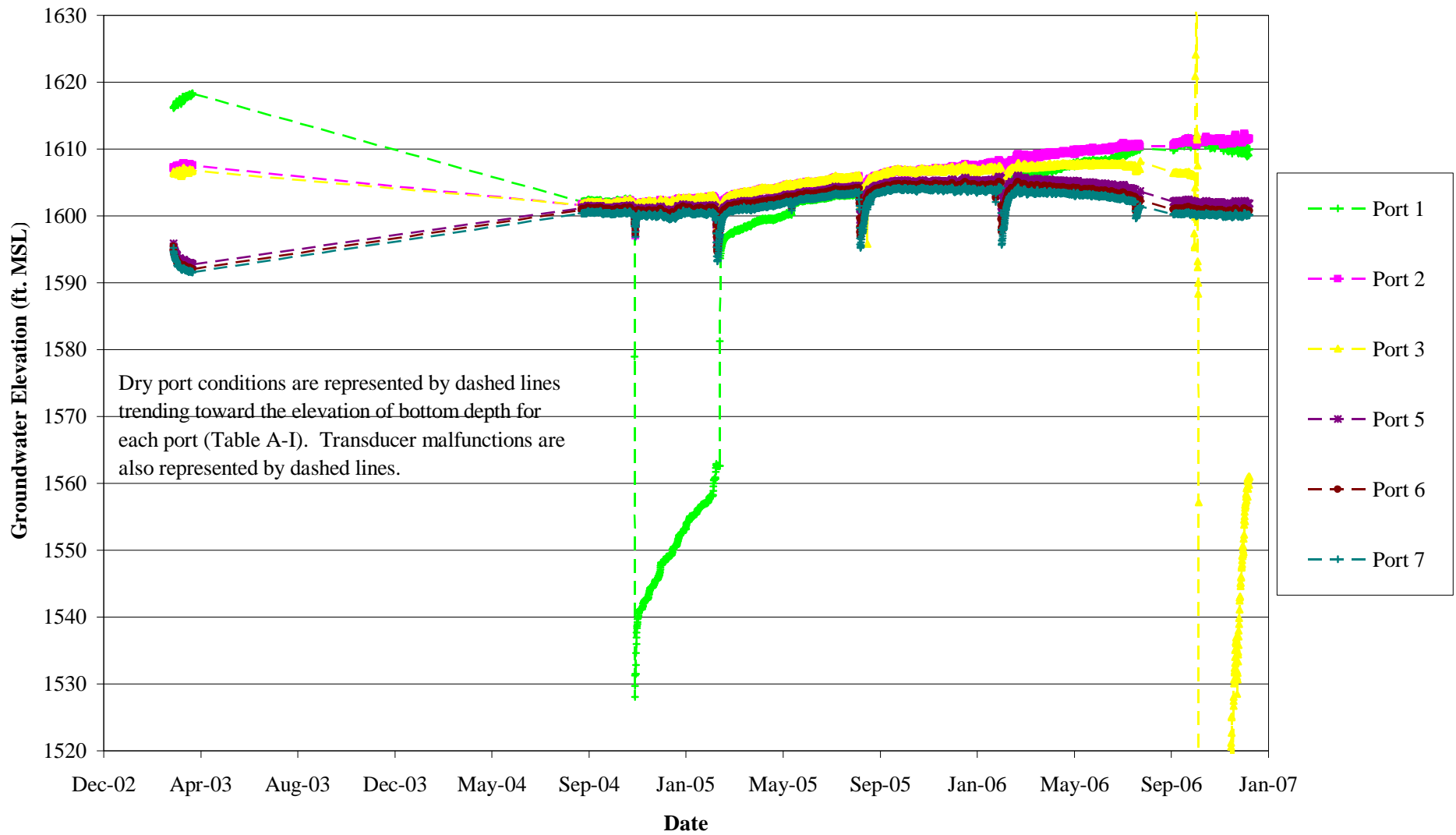


Figure A-261
Chatsworth Formation Well RD-31 FLUTe Hydrograph

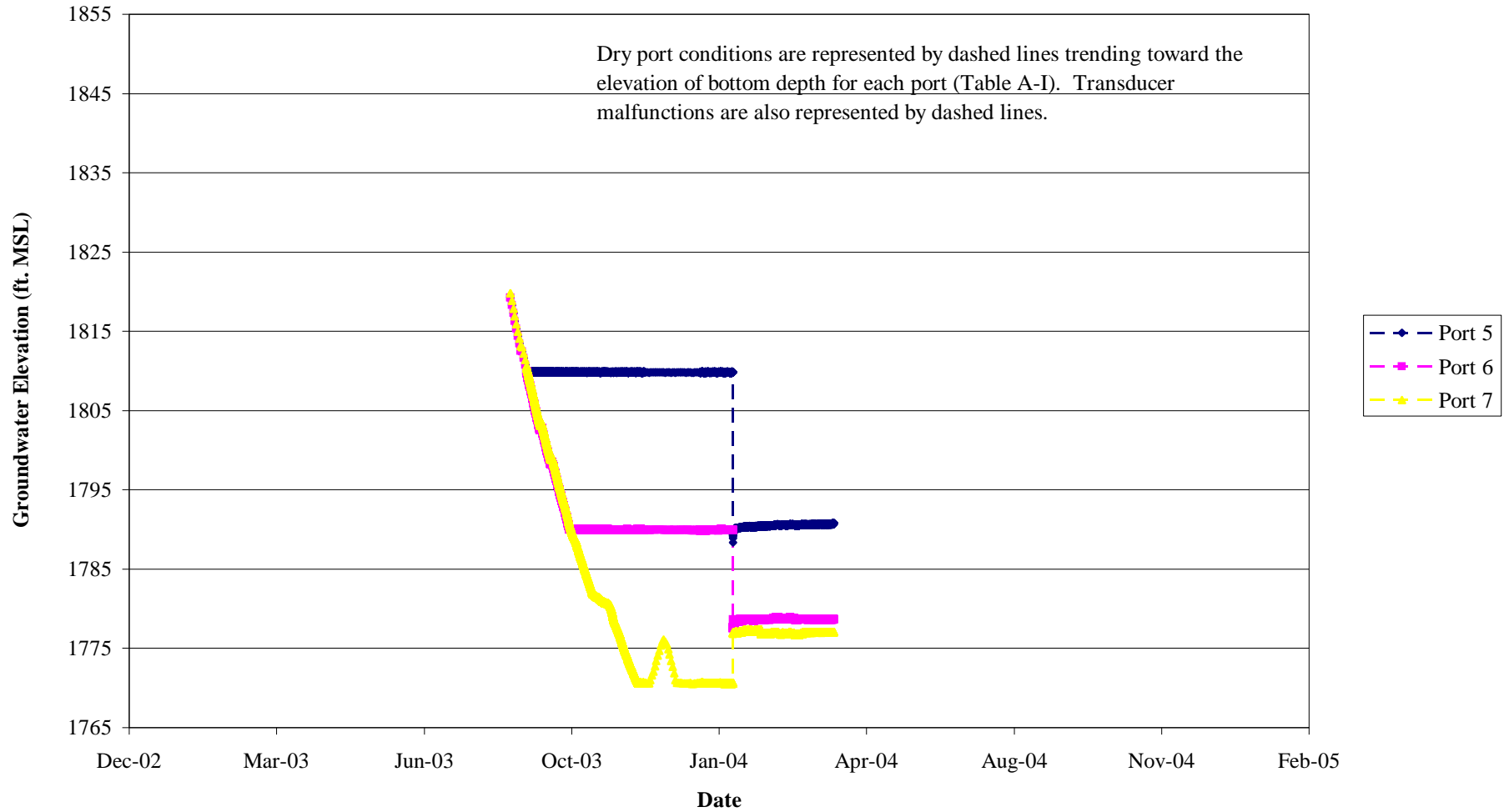


Figure A-262
Chatsworth Formation Well RD-33A FLUTE Hydrograph

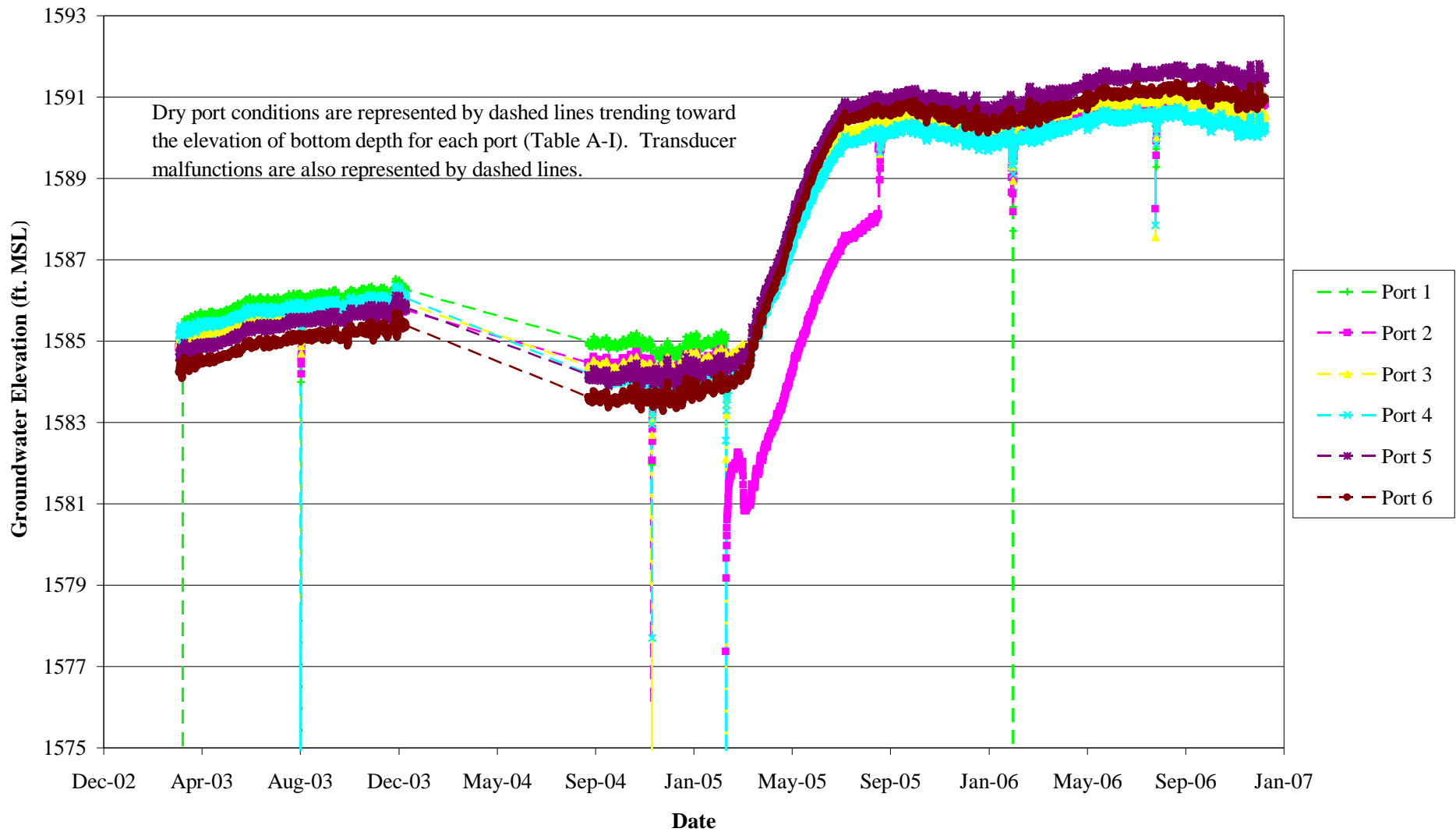


Figure A-263
Chatsworth Formation Well RD-50 FLUTe Hydrograph

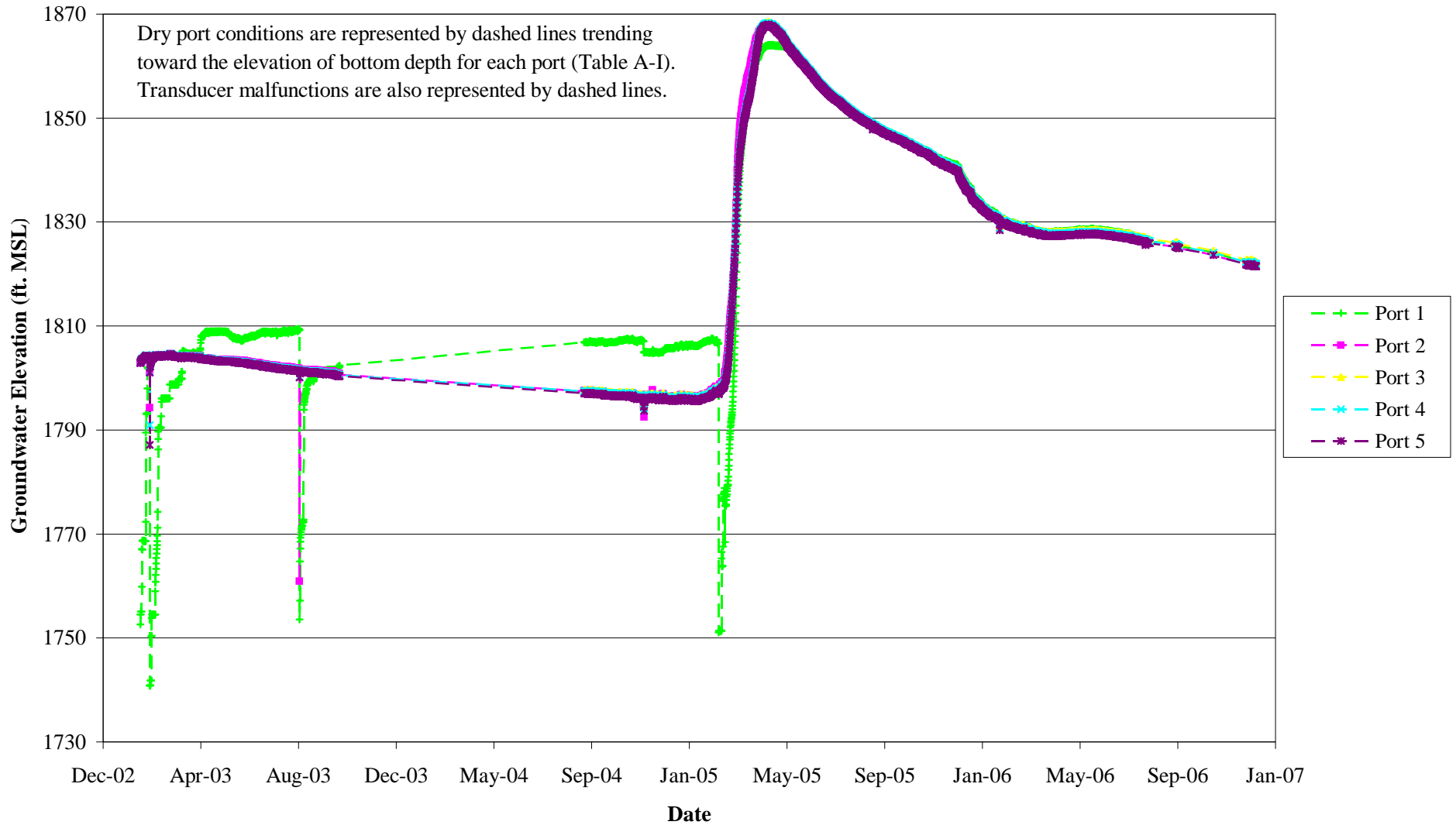


Figure A-264
Chatsworth Formation Well RD-53 FLUTe Hydrograph

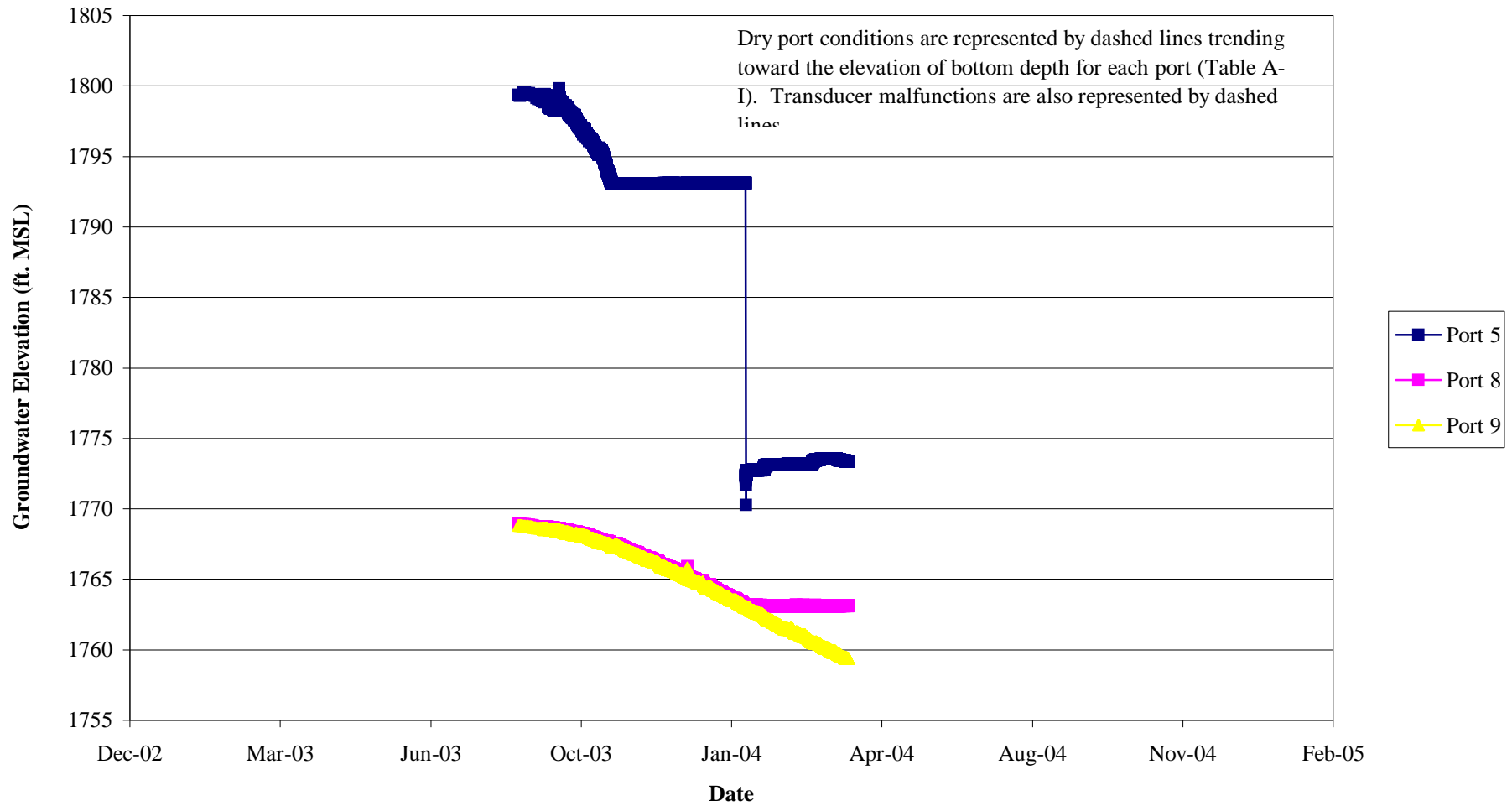


Figure A-265
Chatsworth Formation Well RD-54A FLUTE Hydrograph

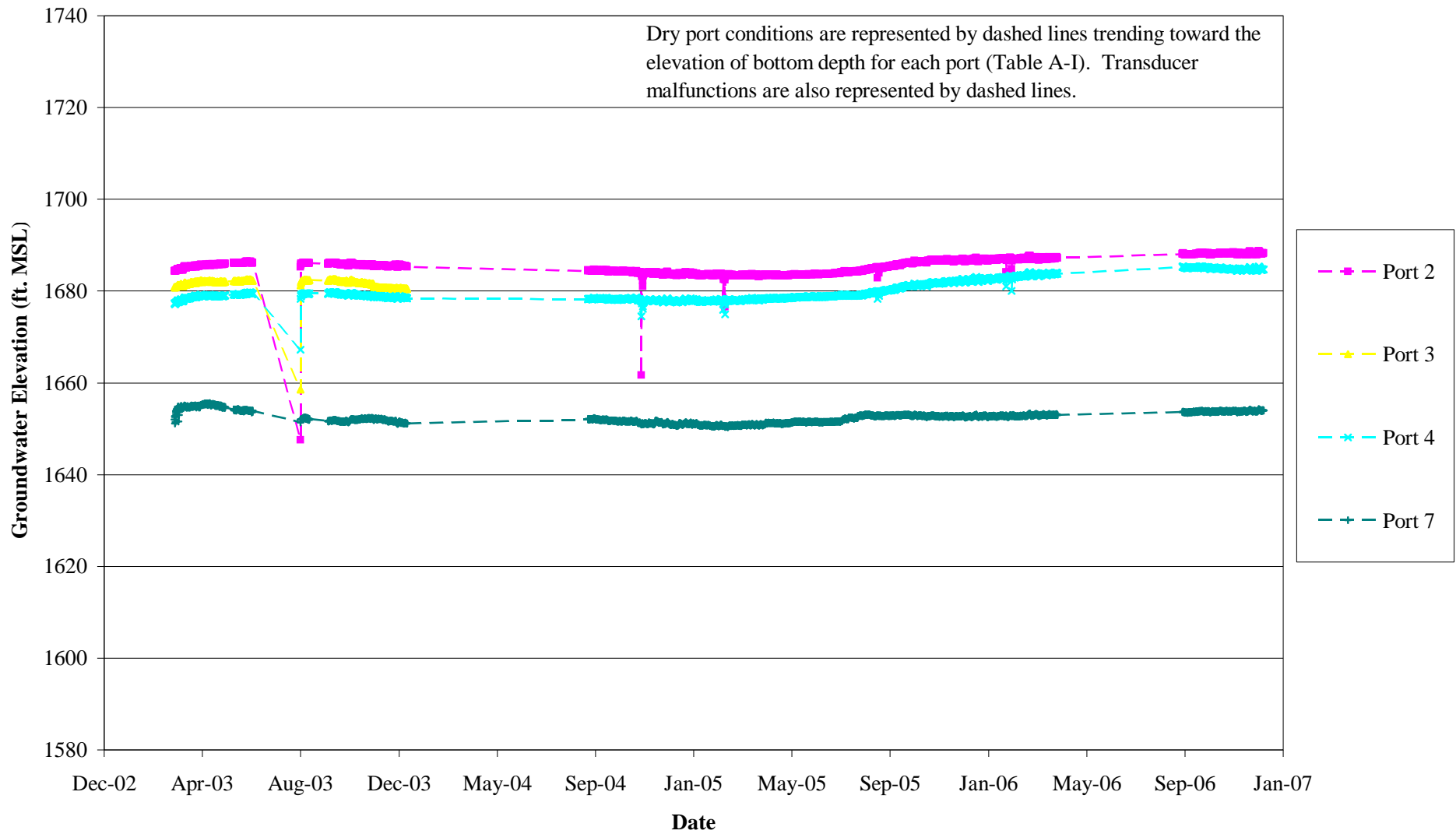


Figure A-266
Chatsworth Formation Well RD-57 FLUTe Hydrograph

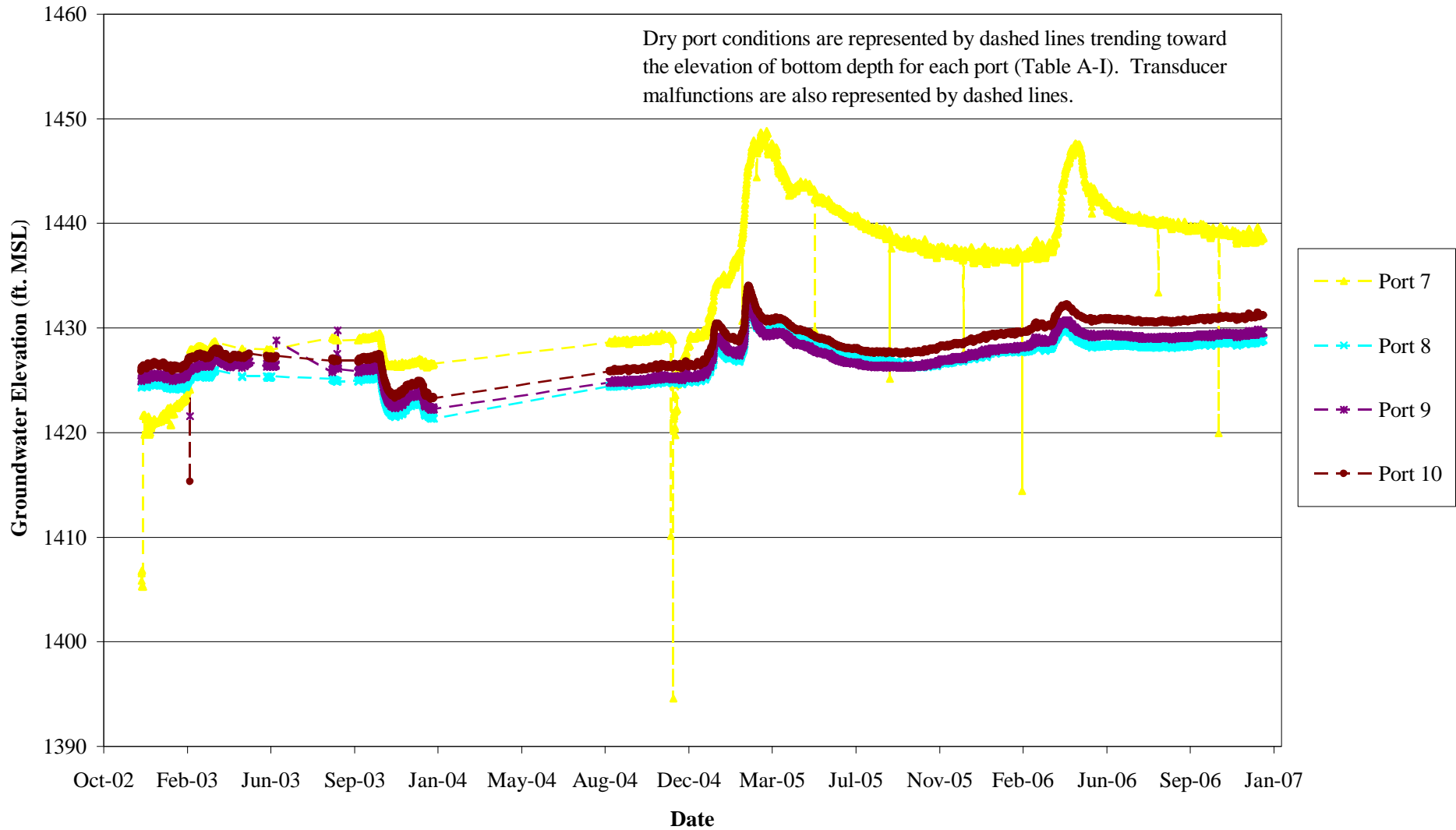


Figure A-267
Chatsworth Formation Well RD-64 FLUTe Hydrograph

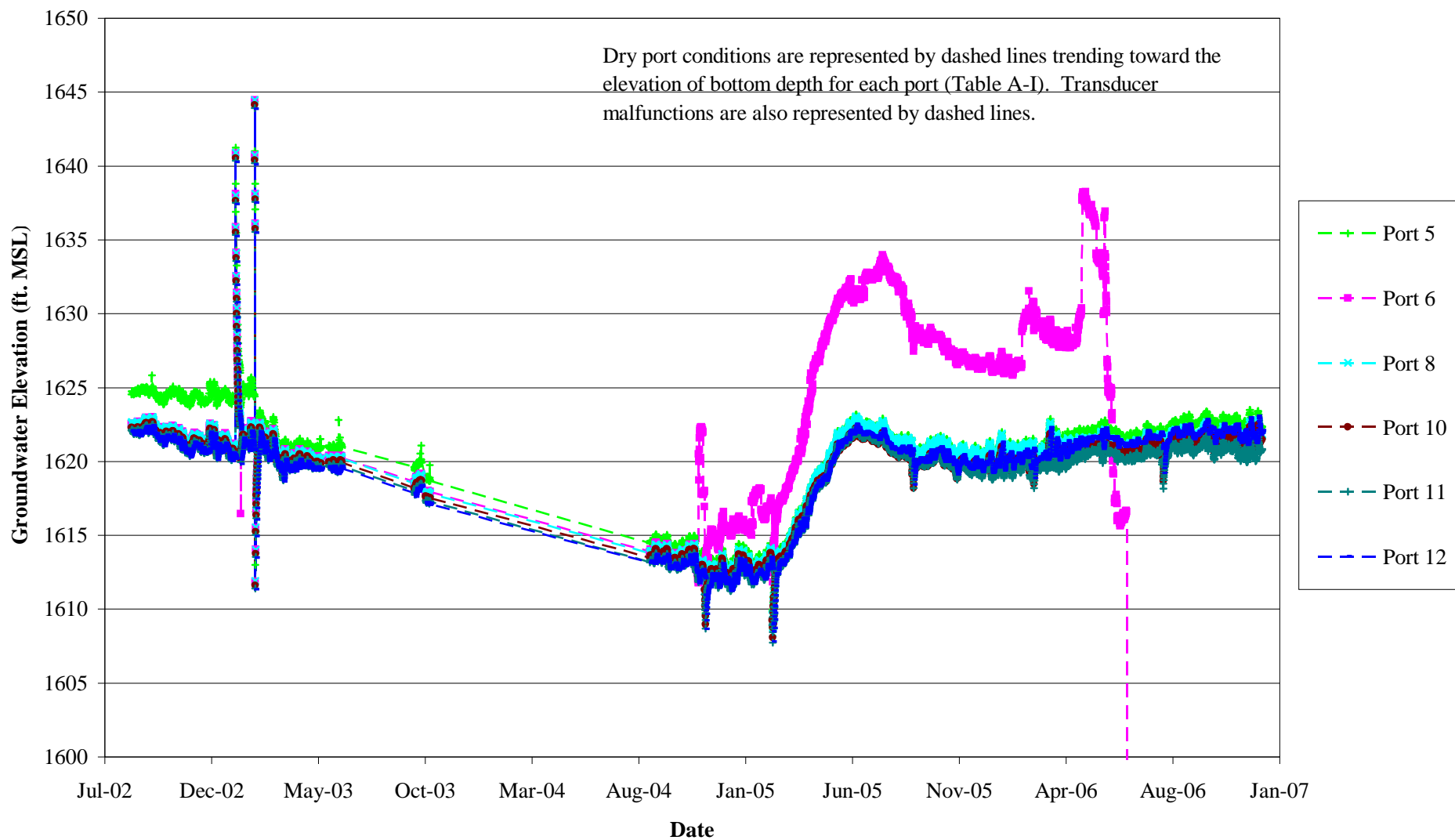


Figure A-268
Chatsworth Formation Well RD-65 FLUTe Hydrograph

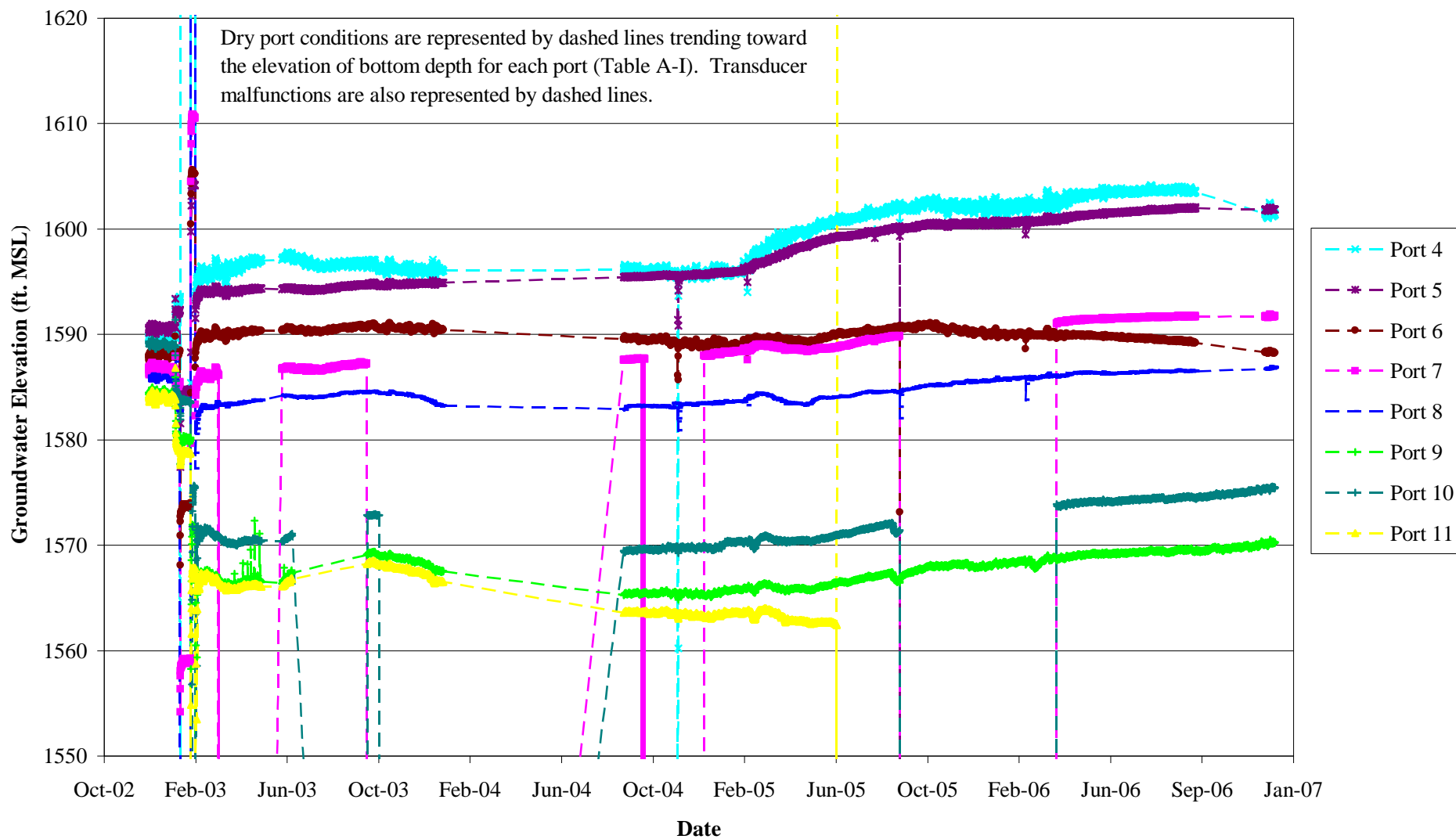


Figure A-269
Chatsworth Formation Well RD-72 FLUTe Hydrograph

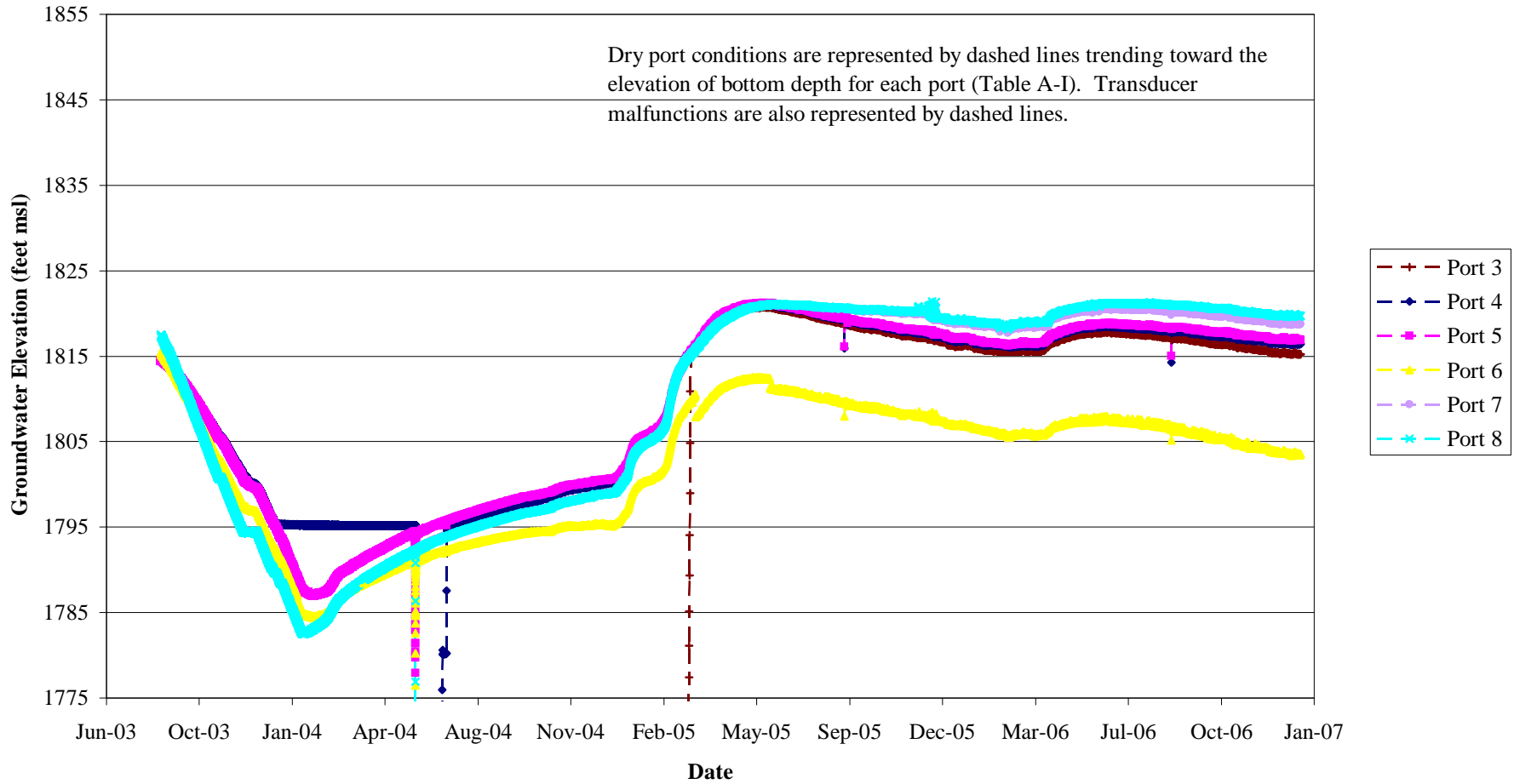


Figure A-270
Chatsworth Formation Well RD-73 FLUTe Hydrograph

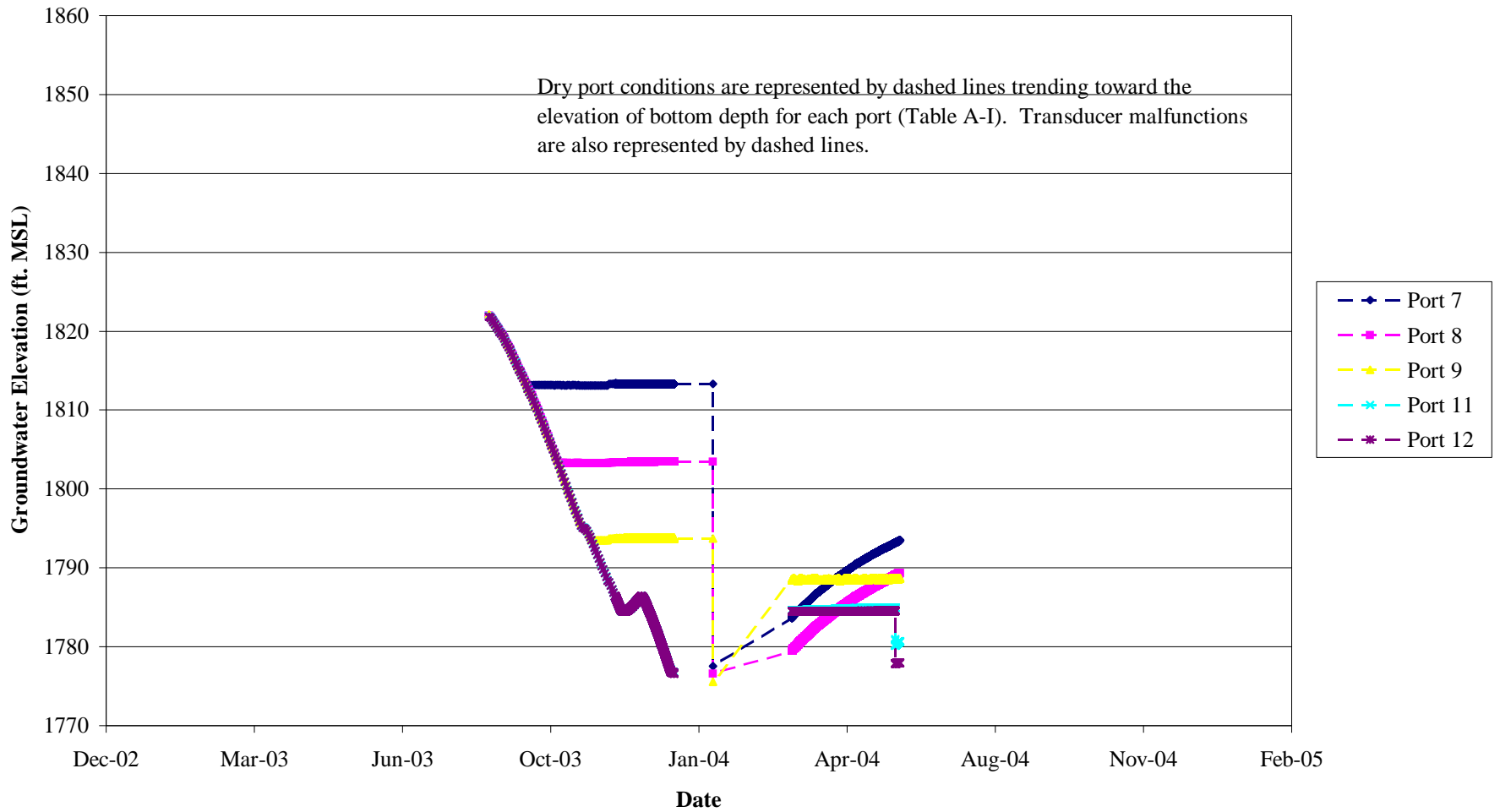


Figure A-271
Chatsworth Formation Well HAR-01 FLUTe Hydrograph

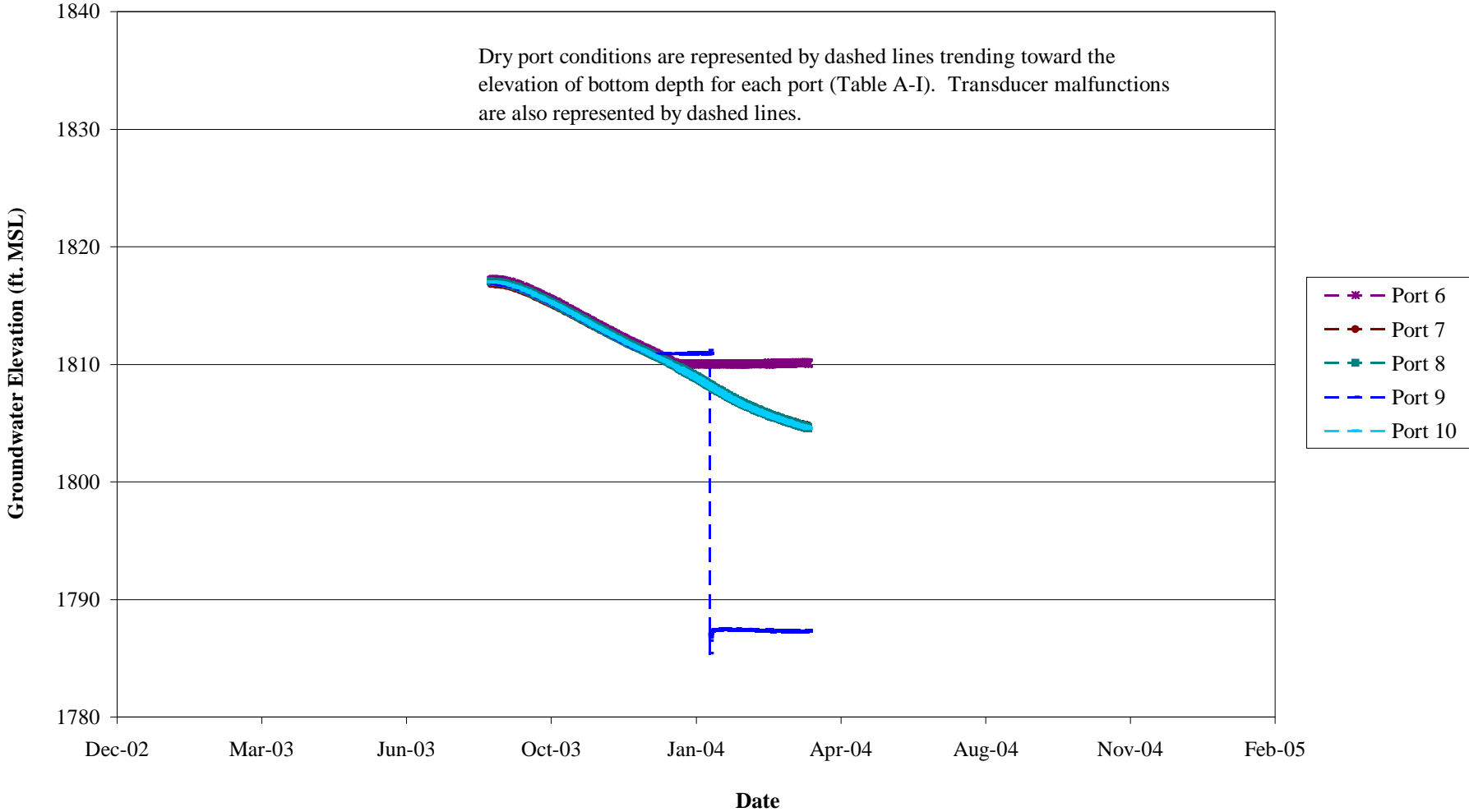


Figure A-272
Chatsworth Formation Well HAR-16 FLUTE Hydrograph

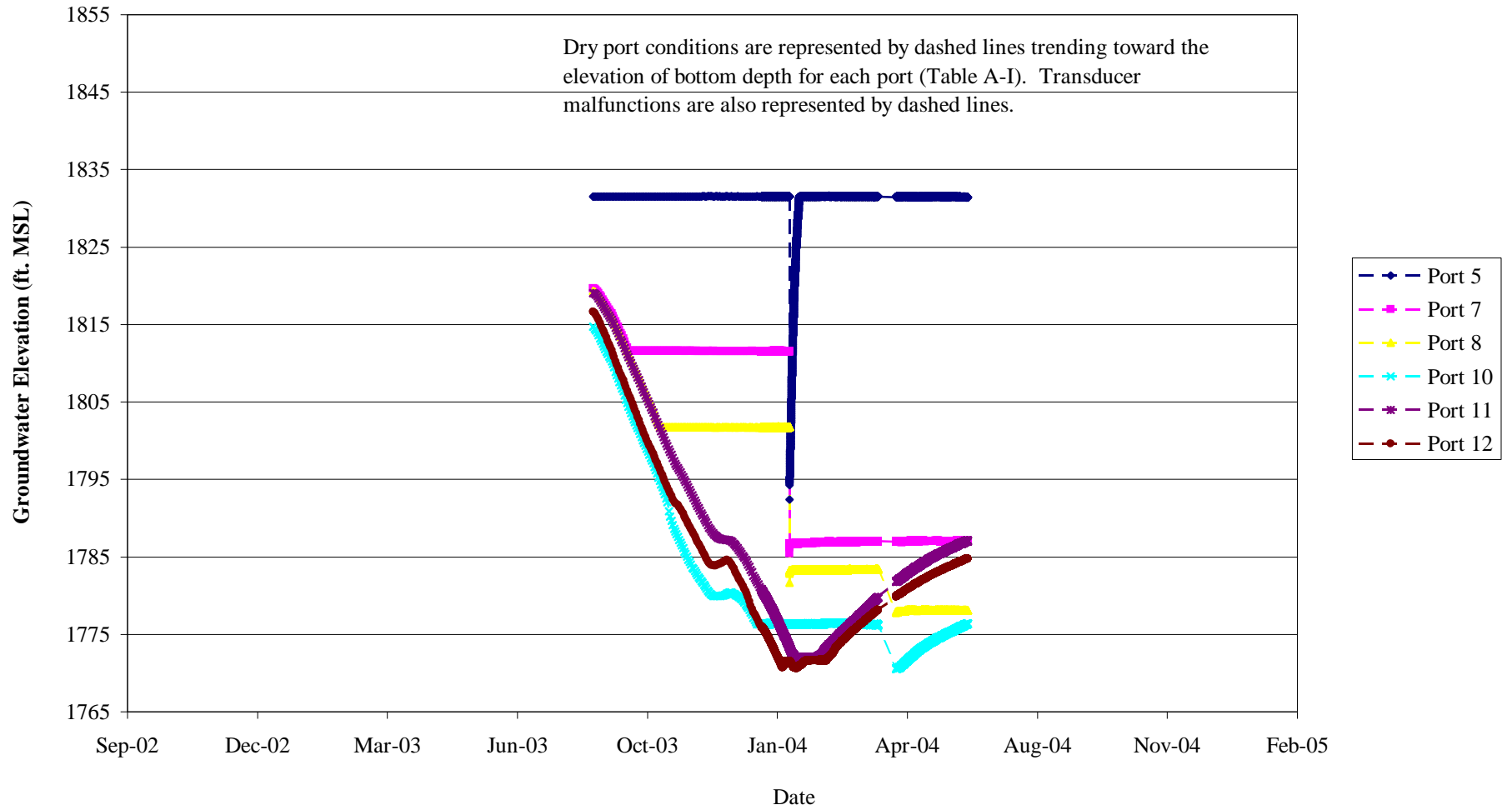


Figure A-273
Chatsworth Formation Well HAR-24 FLUTE Hydrograph

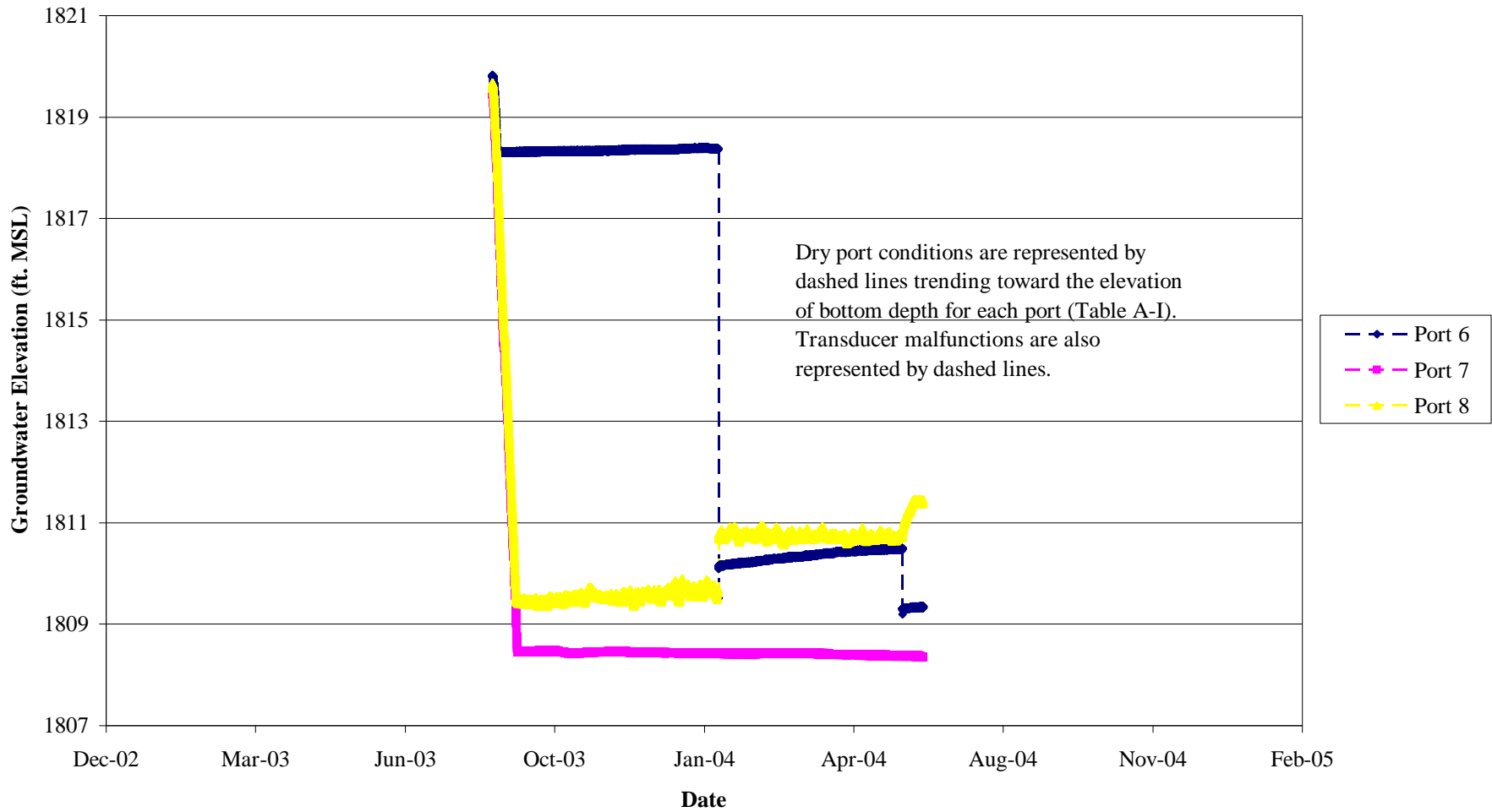
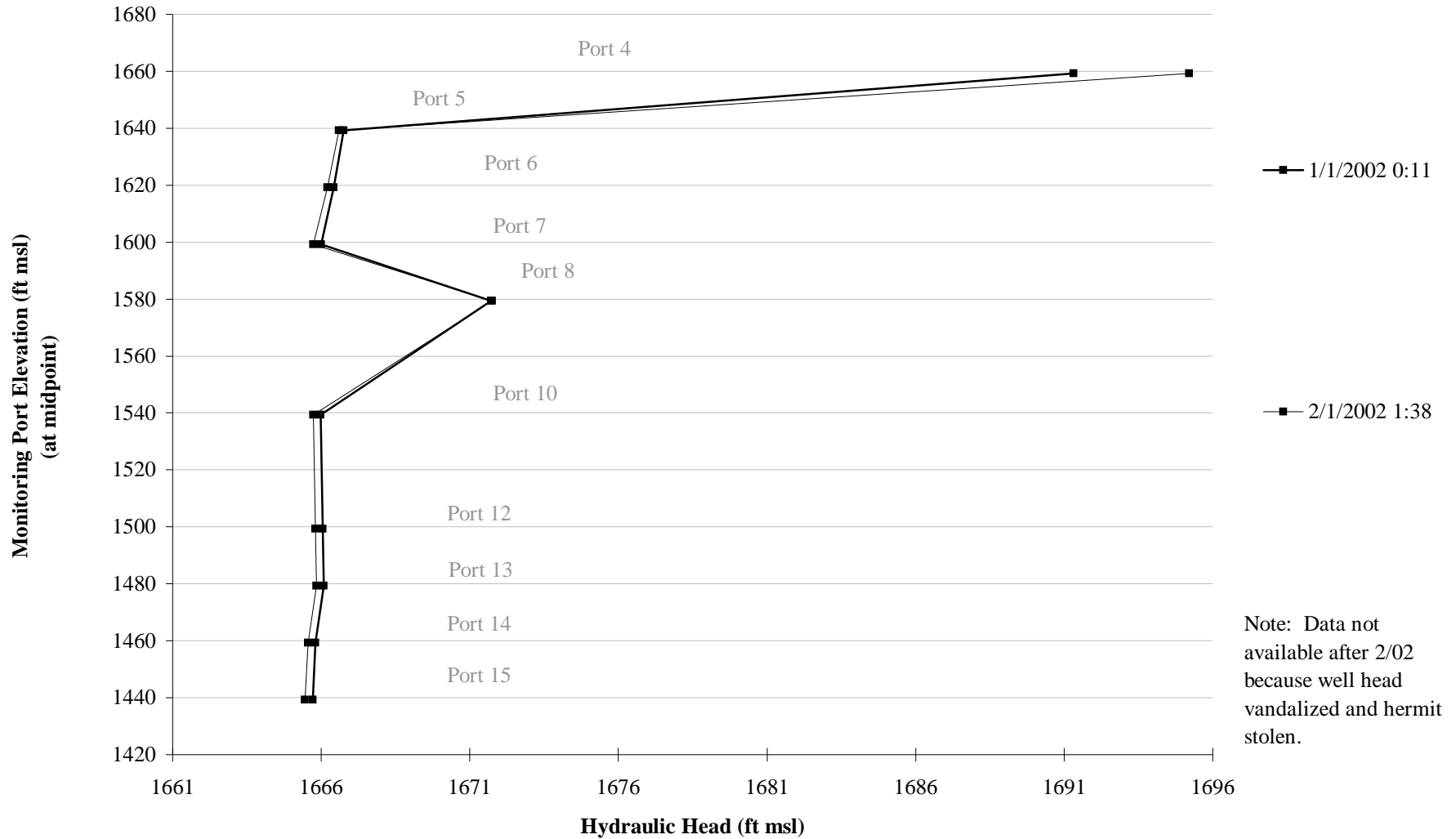


Figure A-274
Chatsworth Formation Well OS-24 FLUTE Transducer Measurements



APPENDIX B

Groundwater Monitoring Schedule

**APPENDIX B
GROUNDWATER MONITORING SCHEDULE**

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Groundwater Monitoring Schedule1

Tables

B-I 2006 Annual Monitoring Schedule

**B-II Summary of Sampling and Analyses for Wells and Springs,
Quarterly Groundwater Monitoring Program, 2006**

APPENDIX B

GROUNDWATER MONITORING SCHEDULE

The groundwater monitoring schedule for 2006 was initially presented in the 2005 Annual Groundwater Monitoring Report (Haley & Aldrich, Inc., *Report on Annual Groundwater Monitoring, 2005, Santa Susana Field Laboratory, Ventura County, California*, February 28, 2006). The proposed 2006 schedule (Table B-I) was subsequently modified and expanded during each sampling period in response to new data collected each quarter. Table B-II presents a summary of the actual analytical program conducted on the quarterly groundwater samples in 2006. The actual program varies from the proposed schedule due to groundwater level changes and requested additions to the monitoring schedule.

TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
NEAR-SURFACE GROUNDWATER PIEZOMETERS							
PZ-062	I	B	8260B Perchlorate General Minerals	8260B Perchlorate General Minerals	8260B Perchlorate General Minerals	8260B Perchlorate General Minerals	Perchlorate WP
SHALLOW SH WELLS							
SH-01	III	B					
SH-02	III	B					
SH-03	III	B	8260B		8260B		Evaluation monitoring
SH-04	III	B		App IX		8260B	Point of compliance
SH-05	III	B					
SH-06	III	B					
SH-07	III	B					
SH-08	III	B					
SH-09	III	B					
SH-10	III	B					
SH-11	III	B	8260B		8260B		Evaluation monitoring
ECL French-drain	III	B	8260B		8260B		Interim corrective action
ECL Sump	III	B	8260B		8260B		Interim corrective action
SHALLOW RS WELLS							
RS-01	I	N	8260B 8015M		8260B 8015M		Evaluation monitoring B/351 LUFT
RS-02	I	N					
RS-03	I	B					
RS-04	I	N					
RS-05	I	N					
RS-06	I	B					
RS-07	I	N	8260B		8260B		Evaluation monitoring
RS-08	II	N		App IX		8260B	Point of compliance
RS-09	III	B					
RS-10	II	N	8260B		8260B		Evaluation monitoring
RS-11	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		Evaluation monitoring
RS-12	III	B					
RS-13	II	N	8260B		8260B		Evaluation monitoring
RS-14	III	B					
RS-15	III	N					
RS-16	IV	D	8260B Perchlorate 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		B/056 landfill
RS-17	III	B					
RS-18	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0 Trace Metals		8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		FSDf

See Attachments A and B at end of Table B-I for notes and abbreviations.

Haley & Aldrich, Inc.

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TABLE B-1
 2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RS-19	I	N	8260B Perchlorate		8260B		Evaluation monitoring
RS-20	I	B					
RS-21	II	B	8260B		8260B		Evaluation monitoring
RS-22	II	B					
RS-23	IV	D	8260B 8015M Perchlorate 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0		
RS-24	IV	D	Perchlorate 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0		
RS-25	IV	D	900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		
RS-27	IV	D	Perchlorate				
RS-28	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		RMHF
RS-29	II	B					
RS-30	I	B	8260B 8015M		8260B 8015M		B/351 LUFT
RS-31	I	B	8260B 8015M		8260B 8015M		B/351 LUFT
RS-32	I	B	8260B 8015M		8260B 8015M		B/351 LUFT
RS-54	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		FSDf
SHALLOW ES WELLS							
ES-01	I	B	8260B		8260B		Interim corrective action
ES-02	I	B					
ES-03	I	B	8260B		8260B		Interim corrective action
ES-04	I	B	8260B		8260B		Interim corrective action
ES-05	I	B	8260B		8260B		Interim corrective action
ES-06	I	B	8260B		8260B		Interim corrective action
ES-07	I	B	8260B		8260B		Interim corrective action

See Attachments A and B at end of Table B-1 for notes and abbreviations.
 Haley & Aldrich, Inc.
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TABLE B-I
 2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
ES-08	I	B					
ES-09	I	B					
ES-10	I	B					
ES-11	I	B	8260B		8260B		Interim corrective action
ES-12	I	B					
ES-13	I	B					
ES-14	III	B	8260B		8260B		Interim corrective action
ES-15	III	B					
ES-16	III	B					
ES-17	III	B	8260B		8260B		Interim corrective action
ES-18	II	B					
ES-19	II	B					
ES-20	II	B					
ES-21	II	B	8260B		8260B		Interim corrective action
ES-22	II	B	8260B		8260B		Interim corrective action
ES-23	III	B	8260B		8260B		Interim corrective action
ES-24	III	B	8260B		8260B		Interim corrective action
ES-25	III	B					
ES-26	III	B	8260B		8260B		Interim corrective action
ES-27	III	B	8260B		8260B		Interim corrective action
ES-28	III	B					
ES-29	III	B					
ES-30	III	B	8260B		8260B		Interim corrective action
ES-31	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		
ES-32	III	B	8260B		8260B		Interim corrective action
SHALLOW HAR WELLS							
HAR-02	I	B					
HAR-03	I	B	8260B		8260B		Evaluation monitoring
HAR-04	I	B	8260B		8260B		Interim corrective action
HAR-09	II	N					
HAR-11	II	N	8260B 8015M		8260B		Evaluation monitoring
HAR-12	III	N					
HAR-13	III	N					
HAR-14	III	N		App IX		8260B	Point of compliance
HAR-15	II	N		App IX		8260B	Point of compliance
HAR-27	II	N	8260B		8260B		Evaluation monitoring
HAR-28	II	N					
HAR-29	II	B					
HAR-30	II	N					
HAR-31	II	N					
HAR-32	III	B					
HAR-33	III	B					
HAR-34	III	B					
CHATSWORTH FORMATION RD WELLS							
RD-01	I	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
RD-02	I	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
RD-03	I	N	8260B		8260B		Evaluation monitoring
RD-04	II	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
RD-05A	UL, S of Area II	N	8260B		8260B		Evaluation monitoring
RD-05B	UL, S of Area II	N	8260B	8260B	8260B	8260B	Detection monitoring
RD-05C	UL, S of Area II	N	8260B	8260B	8260B	8260B	Detection monitoring
RD-06	UL, S of Area II	N	8260B	8260B	8260B	8260B	Background

See Attachments A and B at end of Table B-I for notes and abbreviations.

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TABLE B-1
 2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-07	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		B/056 landfill FLUTE sampling system
RD-08	III	B					
RD-09	II	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
RD-10	I	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation
RD-11	III	B					
RD-12	III	B					
RD-13	IV	D	8260B	8260B	8260B	8260B	Background
RD-14	IV	D					
RD-15	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		
RD-16	IV	D	8260B	8260B	8260B	8260B	Detection monitoring
RD-17	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		RMHF
RD-18	IV	D	8260B	8260B	8260B	8260B	Perimeter well
RD-19	IV	D	8260B	8260B	8260B	8260B	Perimeter well
RD-20	IV	D					
RD-21	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 908.0		FSDf FLUTE sampling system
RD-22	IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C	8260B	8260B 900.0 901.1-C 903.1 904.0 905.0-C 908.0-C	8260B	FSDf Perimeter well FLUTE sampling system

See Attachments A and B at end of Table B-1 for notes and abbreviations.
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TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-23	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		FSDf FLUTE sampling system
RD-24	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		B/059
RD-26	II	N	8260B		8260B		Evaluation monitoring
RD-27	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		RMHF
RD-29	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0		
RD-30	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		RMHF
RD-31	I	N					
RD-32	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals	8260B	8260B 8015M	8260B	Detection monitoring B/351 LUFT Perchlorate WP
RD-33A	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1-C 903.1 904.0 905.0-C 908.0-C		FSDf FLUTE sampling system

See Attachments A and B at end of Table B-I for notes and abbreviations.

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TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-33B	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C	8260B	8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDF Perimeter well
RD-33C	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C	8260B	8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDF Perimeter well
RD-34A	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0		RMHF
RD-34B	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		RMHF
RD-34C	UL, NW of Area IV	D	8260B Trace Metals Cyanide 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		RMHF
RD-35A	I	N					
RD-35B	I	N					
RD-36A	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals		8260B 8015M		Evaluation monitoring B/351 LUFT Perchlorate WP
RD-36B	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals		8260B 8015M		Evaluation monitoring B/351 LUFT Perchlorate WP

See Attachments A and B at end of Table B-I for notes and abbreviations.

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TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-36C	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals		8260B 8015M		Evaluation monitoring B/351 LUFT Perchlorate WP
RD-36D	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals		8260B 8015M		B/351 LUFT Perchlorate WP
RD-37	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals	8260B	8260B 8015M	8260B	Detection monitoring B/351 LUFT Perchlorate WP
RD-38A	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals		8260B 8015M		Evaluation monitoring B/351 LUFT Perchlorate WP
RD-38B	Off-site, NE of Area I	N	8260B 8015M Perchlorate General Minerals	8260B	8260B 8015M	8260B	B/351 LUFT Perchlorate WP
RD-39A	Off-site, NE of Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Detection monitoring Perchlorate WP
RD-39B	Off-site, NE of Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-40	II	N	8260B Perchlorate		8260B		Evaluation monitoring
RD-41A	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
RD-41B	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
RD-41C	II	N					
RD-42	II	N					
RD-43A	Off-site, Near Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Detection monitoring Perchlorate WP
RD-43B	Off-site, Near Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Detection monitoring Perchlorate WP
RD-43C	Off-site, Near Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Detection monitoring Perchlorate WP
RD-44	I	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Detection monitoring CFOU investigation
RD-45A	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
RD-45B	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
RD-45C	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
RD-46A	I	N	8260B		8260B		Evaluation monitoring
RD-46B	I	N					
RD-47	I	N	8260B Perchlorate		8260B		Evaluation monitoring
RD-48A	UL, SW of Area I	N	8260B	8260B	8260B	8260B	Background
RD-48B	UL, SW of Area I	N	8260B	8260B	8260B	8260B	Background
RD-48C	UL, SW of Area I	N	8260B	8260B	8260B	8260B	Background

See Attachments A and B at end of Table B-I for notes and abbreviations.

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TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-49A	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
RD-49B	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
RD-49C	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
RD-50	IV	D	8260B		8260B		Perimeter well FLUTe sampling system
RD-51A	II	N	COCs Perchlorate General Minerals	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation Perchlorate WP
RD-51B	II	N	COCs Perchlorate General Minerals	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation Perchlorate WP
RD-51C	II	N	COCs Perchlorate General Minerals	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Detection monitoring CFOU investigation Perchlorate WP
RD-52A	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
RD-52B	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
RD-52C	I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Detection monitoring Perchlorate WP
RD-53	I	N	8260B 8015M		8260B 8015M		B/351 LUFT
RD-54A	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 907.0 908.0		8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		FSDF FLUTe sampling system
RD-54B	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		FSDF
RD-54C	IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		FSDF
RD-55A	III	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation
RD-55B	III	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation

See Attachments A and B at end of Table B-I for notes and abbreviations.

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TABLE B-I

2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-56A	UL, N of Area III	N					
RD-56B	UL, N of Area III	N	8260B	8260B	8260B Trace Metals	8260B	Perimeter well
RD-57	UL, NW of Area IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C	8260B	8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDf Perimeter well FLUTE sampling system
RD-58A	III	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation
RD-58B	III	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Evaluation monitoring CFOU investigation
RD-58C	III	N	8260B		8260B		Evaluation monitoring
RD-59A	Off-site, W of Area IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C Perchlorate General Minerals	8260B	8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDf & RMHF Perimeter well Perchlorate WP
RD-59B	Off-site, W of Area IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C Perchlorate General Minerals	8260B	8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDf & RMHF Perimeter well Perchlorate WP
RD-59C	Off-site, W of Area IV	D	8260B Trace Metals 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C Perchlorate General Minerals	8260B	8260B Trace Metals 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C	8260B	FSDf & RMHF Perimeter well Perchlorate WP
RD-60	III	N	8260B 8015M		8260B		Evaluation monitoring
RD-61	I	N	8260B	8260B	8260B	8260B	Detection monitoring
RD-62	UL, S of Area I	N	8260B	8260B	8260B	8260B	Detection monitoring
RD-63	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0-C		8260B 900.0 901.1-C 903.1 904.0 905.0-C 906.0 908.0-C		RMHF Area IV Extraction

See Attachments A and B at end of Table B-I for notes and abbreviations.

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Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
RD-64	IV	D	8260B 900.0 901.1 903.1 904.0 905.0-C 906.0 908.0		900.0 901.1-C 903.1 904.0 905.0-C 908.0		FSDf FLUTE sampling system
RD-65	IV	D	8260B				FSDf FLUTE sampling system
RD-66	Off-site, NE of Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-67	UL, S of Area IV	N	8260B		8260B		Perimeter well
RD-68A	Off-site, N of Area II	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-68B	Off-site, N of Area III	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-69	I	N	8260B		8260B		Perimeter well
RD-70	UL, N of Area III	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-71	Off-site, NE of Area I	N	8260B Perchlorate General Minerals	8260B	8260B	8260B	Perimeter well Perchlorate WP
RD-72	I	N					
RD-73	I	B	8260B 8015M				UT 37 LUFT
RD-74	IV	D	8260B	8260B	8260B	8260B	B/056
RD-75	UL-S	B	Perchlorate General Minerals				Perchlorate WP
RD-76	I	B	Perchlorate General Minerals				Perchlorate WP
RD-77	I	B	Perchlorate General Minerals				Perchlorate WP
RD-78	I	B	Perchlorate General Minerals				Perchlorate WP
RD-80	I	B	Perchlorate General Minerals				Perchlorate WP
RD-81	I	N	Perchlorate General Minerals				Perchlorate WP
RD-82	II	N	Perchlorate General Minerals				Perchlorate WP
RD-83	II	N	Perchlorate General Minerals				Perchlorate WP
RD-84	I	B	Perchlorate General Minerals				Perchlorate WP
RD-85	IV	D					
RD-86	IV	D					
RD-87	IV	D					
RD-88	IV	D					
RD-89	IV	D					
RD-90	IV	D					
RD-91	IV	D					
RD-92	IV	D					
RD-93	IV	D					
RD-94	IV	D					
RD-95	IV	D					

TABLE B-I
 2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
CHATSWORTH FORMATION HAR WELLS							
HAR-01	I	B					
HAR-05	II	B					
HAR-06	II	N					
HAR-07	II	B	COCs Perchlorate	App IX Perchlorate	COCs Perchlorate	COCs Perchlorate	Point of compliance CFOU investigation
HAR-08	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
HAR-16	I	B		App IX		8260B	Point of compliance
HAR-17	II	B		App IX		8260B	Point of compliance
HAR-18	III	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
HAR-19	II	B					
HAR-20	II	N	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	CFOU investigation
HAR-21	II	B					
HAR-22	II	N	8260B		8260B		Evaluation monitoring
HAR-23	III	B	8260B		8260B		Evaluation monitoring
HAR-24	I	B	8260B		8260B		Evaluation monitoring
HAR-25	I	N					
HAR-26	III	B	8260B		8260B		Evaluation monitoring
CHATSWORTH FORMATION WS WELLS							
WS-04A	I	N	8260B Perchlorate General Minerals		8260B		Evaluation monitoring Perchlorate WP
WS-05	I	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
WS-06	I	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
WS-07	IV	D					
WS-08	III	B					
WS-09	II	B	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
WS-09A	II	B	8260B		COCs Perchlorate	COCs Perchlorate	Interim corrective action CFOU investigation
WS-09B	II	B	Perchlorate General Minerals				Perchlorate WP
WS-11	III	B					
WS-12	II	B	Perchlorate General Minerals				Perchlorate WP
WS-13	II	B	Perchlorate General Minerals				Perchlorate WP
WS-14	II	B	Perchlorate General Minerals				Perchlorate WP
OFF-SITE OS WELLS AND SPRINGS							
OS-02	Off-Site	B	8260B Perchlorate General Minerals				Perchlorate WP
OS-03	Off-Site	B	Perchlorate General Minerals				Perchlorate WP
OS-04	Off-Site	B	8260B Perchlorate General Minerals				Perchlorate WP
OS-05	Off-Site	B	Perchlorate General Minerals				Perchlorate WP
OS-08	Off-Site	N					
OS-09	Off-Site	B	8260B Perchlorate General Minerals Oxygen-18 Deuterium	Perchlorate General Minerals Oxygen-18 Deuterium	8260B Perchlorate General Minerals Oxygen-18 Deuterium	Perchlorate General Minerals Oxygen-18 Deuterium	Perchlorate WP

See Attachments A and B at end of Table B-I for notes and abbreviations.
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2006 ANNUAL MONITORING SCHEDULE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Area	Sponsor	Analytical Methods				Existing Sampling Plan
			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
OS-10	Off-Site	B	Perchlorate General Minerals				Perchlorate WP
OS-12	Off-Site	N					
OS-13	Off-Site	N					
OS-15	Off-Site	N	8260B Perchlorate General Minerals				Perchlorate WP
OS-16	Off-Site	N	8260B Perchlorate General Minerals		8260B Perchlorate		Perchlorate WP
OS-17	Off-Site	N	8260B Perchlorate General Minerals		8260B Perchlorate		Perchlorate WP
OS-21	Off-Site	B					
OS-24	Off-Site	N	8260B Perchlorate General Minerals		8260B		Perchlorate WP
OS-25	Off-Site	N	8260B Perchlorate General Minerals		8260B		Perchlorate WP
OS-26	Off-Site	N	8260B Perchlorate General Minerals		8260B		Perchlorate WP
OS-27	Off-Site	N	8260B Perchlorate General Minerals				Perchlorate WP
OS-28	Off-Site	N	8260B Perchlorate General Minerals 1625M		8260B Perchlorate 1625M		Perchlorate WP

See Attachments A and B at end of Table B-I for notes and abbreviations.

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ANALYTICAL METHODS

Analytes/EPA Methodology

8260B	=	EPA method 8260B for volatile organic compounds (most recent version).
8270	=	EPA method 8270 for base/neutral and acid organic compounds.
8015M	=	EPA method 8015 modified for fuel hydrocarbons.
Cyanide	=	Cyanide, EPA method 9014.
COCs	=	Constituents of concern (table 3 of post-closure permits plus 1,3-dinitrobenzene).
Deuterium	=	Mass spectrometry of stable isotope deuterium.
Oxygen-18	=	Mass spectrometry of stable isotope oxygen-18.
Perchlorate	=	EPA method 314.0.
Trace Metals	=	Trace metals, including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc using EPA methods 6010, 6020, and 7470.

Appendix IX

Note: The laboratory uses the most current methods which may be updated from methods listed in Appendix IX (Code of Federal Regulations, Title 40, Part 264, Appendix IX, Ground-water Monitoring List).

504.1	=	EPA method 504.1 for 1,2-dibromoethane, 1,2-dibromo-3-chloropropane
524M	=	SRL method 524M for 1,2,3-trichloropropane
1625M	=	Modified EPA method 1625 for N-nitrosodimethylamine
7470	=	EPA method 7470 for mercury
8081	=	EPA method 8081 for organochlorine pesticides
8082	=	EPA method 8082 for polychlorinated biphenyls (PCBs)
8141A	=	EPA method 8141 for organophosphorous pesticides
8151A	=	EPA method 8151 for chlorinated herbicides
8260B	=	EPA method 8260B for volatile organic compounds
8270	=	EPA method 8270 for base/neutral and acid organic compounds
8270M	=	Modified EPA method 8270 for pentachlorophenol
8290	=	EPA method 8290 for dioxins and furans.
Cyanide	=	EPA method 9014 for total cyanide
Metals	=	EPA method 6010/6020 for metals (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, Sn, V, Zn)
Sulfide	=	EPA method 376.2 for sulfide.

Radiochemical Parameters

900.0	=	EPA method 900.0 for gross alpha and beta radioactivity
901.1	=	EPA method 901.1 for gamma-emitting radionuclides
903.1	=	EPA method 903.1 for Ra-226
904.0	=	EPA method 904.0 for Ra-228
905.0	=	EPA method 905.0 for Sr-90
906.0	=	EPA method 906.0 for tritium
907.0	=	EPA method 907.0 for isotopic thorium
908.0	=	EPA method 908.0 for isotopic uranium

Note: An equivalent or superior in-house laboratory procedure will be considered acceptable for EPA methodology. Lab will use the most current promulgated version of each EPA method.

C = Additional radiochemistry analyses may be performed per EPA drinking water regulations:

- 1) if gross alpha activity exceeds 15 pCi/l, then isotopic uranium will be analyzed by EPA method 908.0; and
- 2) if gross beta activity exceeds 50 pCi/l, then K-40 and Sr-90 will be analyzed by EPA methods 901.1 and 905.0, respectively.

Perchlorate Work Plan (WP)

Wells identified in the "Perchlorate Characterization Work Plan (Revision 1)" (MWH, 2003) will be sampled for:

Perchlorate = EPA method 314.0
General Minerals = carbonate and bicarbonate (EPA method SM 2320B)
chloride, nitrate and sulfate (EPA method 300.0)
total dissolved solids (EPA method 160.1)
pH (EPA method 150.1)
specific conductance (EPA method 120.1)
calcium, magnesium, potassium, and sodium (EPA method 6010B)

Well OS-09 will also be sampled for oxygen-18 and deuterium stable isotopes by mass spectrometry.

Evaluation Monitoring

Evaluation monitoring wells, including the point of compliance wells, will be sampled semiannually for EPA method 8260B, which will detect the constituents specified in Table 5 of the post-closure permit: tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1-dichloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, vinyl chloride, carbon tetrachloride, methylene chloride, chloroform, methyl ethyl ketone, benzene, toluene, xylenes, and ethylbenzene.

Evaluation monitoring wells will be sampled every five years for the constituents of concern (Table 3 of the post closure permit). The evaluation monitoring wells were sampled for constituents of concern in 2000 and 2005.

Point of compliance wells will be sampled annually for Appendix IX parameters. The analytical parameters are listed in 40 CFR 264, Appendix IX.

Detection Monitoring

Detection monitoring wells will be sampled quarterly for EPA method 8260B, which will detect the constituents specified in Table 6 of the post-closure permit: tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1-dichloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, vinyl chloride, carbon tetrachloride, methylene chloride, and chloroform.

Detection monitoring wells will be sampled every five years for the constituents of concern (Table 3 of the post closure permit). The detection monitoring wells were sampled for constituents of concern in 1996, 2000, and 2005.

Interim Corrective Action Monitoring

All extraction wells will be included in the interim corrective action monitoring. These wells will be sampled semiannually for EPA method 8260B, which will detect the constituents specified in Table 5 of the post-closure permit. The constituents are listed above under "Evaluation Monitoring."

Area IV Monitoring

Area IV sampling schedule subject to revision.

Background Monitoring

The five background wells will be sampled quarterly for the expanded list of monitoring parameters (EPA method 8260) specified in Table 5 of the post-closure permit.

Background wells are sampled every five years for the constituents of concern (Table 3 of the post closure permit). The background wells were sampled for constituents of concerning 1996, 2000, and 2005.

Notes:	F	=	Fluoride, EPA method 340.2
	8270	=	EPA method 8270 for acid and base/neutral semi-volatile compounds, including nitrobenzene, and 1,3-dinitrobenzene.
	Ammonia	=	Ammonia, EPA method 350.2
	Formaldehyde	=	Formaldehyde, EPA method 8315
	NDMA	=	N-nitrosodimethylamine, modified EPA method 1625
	NO ₃	=	Nitrate, EPA method 353.2
	1,4-dioxane	=	1,4-dioxane, modified EPA method 8260SIM

FLUTe Sampling System

FLUTe sampling system - indicates wells that currently are, or will be, equipped with FLUTe multi-port sampling systems in 2006. Samples will be collected from the FLUTe multi-port sampling systems per the previously approved workplan(s).

Laboratory Services

Laboratories will be certified by the State of California for the appropriate analytical methods.

During sampling, the field parameters of turbidity, pH, temperature and specific conductance will be measured.

REFERENCES USED IN PREPARING
2006 MONITORING SCHEDULE

1. California Department of Toxic Substances Control, 1994. Correspondence to Rocketdyne Environmental Protection Department, *Request for Modification of Analytical Parameters for Appendix IX Sampling - EPA ID Numbers CAD093365435 and CA18000900100 - Santa Susana Field Laboratory (SSFL) Rocketdyne Division Facility, Santa Susana, California*. 13 September 1994.
2. ----- 1995. *Hazardous Waste Facility Post-Closure Permit, Regional Permit No. PC-94/95-3-02 and PC-94/95-3-03*. Permits for Areas I and III and Area II, effective May 11, 1995. 22 California Code of Regulations, Chapter 15, Article 6.
3. 40 CFR 264. Code of Federal Regulations, Title 40, Part 264, Appendix IX, *Groundwater Monitoring List* and Part 265, §265.92, *Sampling and Analysis*.

TABLE B-II
SUMMARY OF SAMPLING AND ANALYSES FOR WELLS AND SPRINGS
QUARTERLY GROUNDWATER MONITORING PROGRAM, 2006
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
Piezometers					
PZ-017A		11/28/06	6010B	Primary	
PZ-017A		11/28/06	6020	Primary	
PZ-017A		11/28/06	7470A	Primary	
PZ-020		08/18/06	6010B	Primary	
PZ-020		08/18/06	8290	Primary	
PZ-020		08/18/06	6020	Primary	
PZ-020		08/18/06	7470A	Primary	
PZ-045		08/17/06	6010B	Primary	
PZ-045		08/17/06	6020	Primary	
PZ-045		08/17/06	7470A	Primary	
PZ-045		08/17/06	8290	Primary	
PZ-048		08/17/06	8015M (EFH)	Primary	
PZ-071		11/29/06	6010B	Primary	
PZ-071		11/29/06	6020	Primary	
PZ-071		11/29/06	7470A	Primary	
PZ-056		03/16/06	300.0-Fluoride	Primary	
PZ-056		03/16/06	300.0-Sulfate	Primary	
PZ-056		03/16/06	6010B	Primary	
PZ-056		03/16/06	6020	Primary	
PZ-056		03/16/06	7470A	Primary	
PZ-056		03/16/06	8290	Primary	
PZ-071		05/26/06	1625M	Primary	
PZ-071		05/26/06	6010B	Primary	
PZ-071		05/26/06	6020	Primary	
PZ-071		05/26/06	7470A	Primary	
PZ-071		05/26/06	8015M (EFH)	Primary	
PZ-071		05/26/06	8270C	Primary	
PZ-071		08/18/06	6010B	Primary	
PZ-071		08/18/06	6020	Primary	
PZ-071		08/18/06	7470A	Primary	
PZ-096		08/17/06	8290	Primary	
PZ-126		11/27/06	6010B	Primary	
PZ-126		11/27/06	6020	Primary	
PZ-126		11/27/06	7470A	Primary	
PZ-114		08/21/06	6010B	Primary	
PZ-114		08/21/06	6020	Primary	
PZ-114		08/21/06	7470A	Primary	
Shallow Wells					
SH-03		02/15/06	1625M	Primary	
SH-03		02/15/06	1625M	Dup	
SH-03		02/15/06	1625M	Split	
SH-03		02/15/06	1625M	Split	
SH-03		02/15/06	8260B	Primary	
SH-03		02/15/06	8260SIM	Primary	
SH-03		02/15/06	8260SIM	Dup	
SH-03		02/15/06	8260SIM	Split	
SH-03		05/11/06	SRL 524M-TCP	Primary	
SH-03		05/11/06	SRL 524M-TCP	Dup	
SH-03		08/31/06	8260B	Primary	

See last page of Table B-II for notes and abbreviations.

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VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
SH-04		05/10/06	App IX	Primary	
SH-04		05/10/06	1625M	Dup	
SH-04		05/10/06	SRL 524M-TCP	Dup	
SH-10		05/11/06	SRL 524M-TCP	Primary	
SH-10		05/11/06	SRL 524M-TCP	Dup	
SH-11		02/09/06	8260B	Primary	
SH-11		08/23/06	8260B	Primary	
ECL-Sump		08/30/06	8260B	Primary	
RS-07		02/15/06	8260B	Primary	
RS-07		02/15/06	8260SIM	Primary	
RS-07		02/15/06	8260SIM	Dup	
RS-07		02/15/06	8260SIM	Split	
RS-07		05/11/06	SRL 524M-TCP	Primary	
RS-07		09/01/06	8260B	Primary	
RS-08		05/09/06	App IX	Primary	
RS-08		08/31/06	6010B	Primary	
RS-08		08/31/06	6020	Primary	
RS-08		08/31/06	7470A	Primary	
RS-08		08/31/06	8270C	Primary	
RS-08		08/31/06	8270C	Dup	
RS-08		08/31/06	8270C	Split	
RS-08		11/01/06	8260B	Primary	
RS-11		02/21/06	8260B	Primary	
RS-11		02/21/06	900.0	Primary	
RS-11		02/21/06	901.1	Primary	
RS-11		02/21/06	903.1	Primary	
RS-11		02/21/06	904.0	Primary	
RS-11		02/21/06	906.0	Primary	
RS-11		08/10/06	8260B	Primary	
RS-11		08/10/06	900.0	Primary	
RS-11		08/10/06	903.1	Primary	
RS-11		08/10/06	904.0	Primary	
RS-12		05/11/06	SRL 524M-TCP	Primary	
RS-13		02/14/06	8260B	Primary	
RS-13		08/22/06	8260B	Primary	
RS-14		05/11/06	SRL 524M-TCP	Primary	
RS-18		02/20/06	6010B	Primary	
RS-18		02/20/06	6020	Primary	
RS-18		02/20/06	7470A	Primary	
RS-18		02/20/06	8260B	Primary	
RS-18		02/20/06	900.0	Primary	
RS-18		02/20/06	901.1	Primary	
RS-18		02/20/06	903.1	Primary	
RS-18		02/20/06	904.0	Primary	
RS-18		02/20/06	906.0	Primary	
RS-18		02/20/06	907.0	Primary	
RS-18		02/20/06	908.0	Primary	
RS-19		05/15/06	314.0	Primary	
RS-19		05/15/06	8260B	Primary	
RS-20		09/01/06	6010B	Primary	

See last page of Table B-II for notes and abbreviations.

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VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RS-20		09/01/06	6020	Primary	
RS-20		09/01/06	7470A	Primary	
RS-20		11/02/06	6010B	Primary	
RS-20		11/02/06	6020	Primary	
RS-20		11/02/06	7470A	Primary	
RS-21		02/09/06	8260B	Primary	
RS-21		08/22/06	8260B	Primary	
RS-28		02/17/06	8260B	Primary	
RS-28		02/17/06	900.0	Primary	
RS-28		02/17/06	901.1	Primary	
RS-28		02/17/06	903.1	Primary	
RS-28		02/17/06	904.0	Primary	
RS-28		02/17/06	906.0	Primary	
RS-28		08/11/06	900.0	Primary	
RS-28		08/11/06	903.1	Primary	
RS-28		08/11/06	904.0	Primary	
RS-30		05/11/06	8015M (GRO)	Primary	
RS-30		05/11/06	8260B	Primary	
RS-30		08/08/06	8015M (GRO)	Primary	
RS-30		08/08/06	8260B	Primary	
RS-31		05/11/06	8015M (GRO)	Primary	
RS-31		05/11/06	8260B	Primary	
RS-31		05/11/06	SRL 524M-TCP	Primary	
RS-31		08/08/06	8015M (GRO)	Primary	
RS-31		08/08/06	8260B	Primary	
RS-32		05/11/06	8015M (GRO)	Primary	
RS-32		05/11/06	8260B	Primary	
RS-32		05/11/06	SRL 524M-TCP	Primary	
RS-32		05/11/06	SRL 524M-TCP	Dup	
RS-32		08/08/06	8015M (GRO)	Primary	
RS-32		08/08/06	8260B	Primary	
RS-54		02/21/06	6010B	Primary	
RS-54		02/21/06	6020	Primary	
RS-54		02/21/06	7470A	Primary	
RS-54		02/23/06	8260B	Primary	
RS-54		02/23/06	900.0	Primary	
RS-54		02/23/06	900.0	Split	
RS-54		02/23/06	901.1	Primary	
RS-54		02/23/06	901.1	Split	
RS-54		02/23/06	903.1	Primary	
RS-54		02/23/06	903.1	Split	
RS-54		02/23/06	904.0	Primary	
RS-54		02/23/06	904.0	Split	
RS-54		02/23/06	906.0	Primary	
RS-54		02/23/06	906.0	Split	
RS-54		02/23/06	907.0	Primary	
RS-54		02/23/06	907.0	Split	
RS-54		02/23/06	908.0	Primary	
RS-54		02/23/06	908.0	Split	
ES-01		11/13/06	8260B	Primary	

See last page of Table B-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
ES-03		08/28/06	8260B	Primary	
ES-04		05/19/06	8260B	Primary	
ES-04		05/19/06	8260B	Split	
ES-04		05/19/06	8260B	Dup	
ES-05		05/19/06	8260B	Primary	
ES-06		05/19/06	8260B	Primary	
ES-06		08/30/06	8260B	Primary	
ES-14		05/19/06	8260B	Primary	
ES-14		08/09/06	8260B	Primary	
ES-17		05/19/06	8260B	Primary	
ES-17		05/19/06	SRL 524M-TCP	Primary	
ES-17		08/30/06	8260B	Primary	
ES-21		05/24/06	8260B	Primary	
ES-21		05/31/06	SRL 524M-TCP	Primary	
ES-21		08/30/06	8260B	Primary	
ES-22		05/16/06	8260B	Primary	
ES-22		08/29/06	8260B	Primary	
ES-23		06/01/06	8260B	Primary	
ES-23		08/30/06	8260B	Primary	
ES-24		05/25/06	8260B	Primary	
ES-24		08/30/06	8260B	Primary	
ES-26		05/18/06	8260B	Primary	
ES-26		08/30/06	8260B	Primary	
ES-27		08/30/06	8260B	Primary	
ES-30		06/01/06	8260B	Primary	
ES-30		08/30/06	8260B	Primary	
ES-30		08/30/06	8260B	Dup	
ES-31		02/21/06	8260B	Primary	
ES-31		02/21/06	900.0	Primary	
ES-31		02/21/06	901.1	Primary	
ES-31		02/21/06	903.1	Primary	
ES-31		02/21/06	904.0	Primary	
ES-31		02/21/06	906.0	Primary	
ES-31		08/15/06	900.0	Primary	
ES-31		08/15/06	903.1	Primary	
ES-31		08/15/06	904.0	Primary	
ES-32		08/30/06	8260B	Primary	
HAR-02		05/15/06	SRL 524M-TCP	Primary	
HAR-03		02/10/06	8260B	Primary	
HAR-03		05/15/06	SRL 524M-TCP	Primary	
HAR-03		08/25/06	8260B	Primary	
HAR-04		02/10/06	8260B	Primary	
HAR-04		08/24/06	6010B	Primary	
HAR-04		08/24/06	6020	Primary	
HAR-04		08/24/06	7470A	Primary	
HAR-04		08/24/06	8260B	Primary	
HAR-04		11/15/06	6010B	Primary	
HAR-04		11/15/06	6020	Primary	
HAR-04		11/15/06	7470A	Primary	
HAR-11		02/23/06	8015M (GRO)	Primary	

See last page of Table B-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
HAR-11		02/23/06	8260B	Primary	
HAR-11		08/25/06	6010B	Primary	
HAR-11		08/25/06	6020	Primary	
HAR-11		08/25/06	7470A	Primary	
HAR-11		08/25/06	8260B	Primary	
HAR-11		10/27/06	6010B	Primary	
HAR-11		10/27/06	6020	Primary	
HAR-11		10/27/06	7470A	Primary	
HAR-14		05/08/06	App IX	Primary	
HAR-14		05/08/06	1625M	Dup	
HAR-14		11/02/06	8260B	Primary	
HAR-15		05/05/06	App IX	Primary	
HAR-15		09/01/06	6010B	Primary	
HAR-15		09/01/06	6020	Primary	
HAR-15		09/01/06	7470A	Primary	
HAR-15		09/01/06	8260SIM	Primary	
HAR-15		09/01/06	8260SIM	Dup	
HAR-15		09/01/06	8260SIM	Split	
HAR-15		09/01/06	SRL 524M-TCP	Primary	
HAR-15		09/01/06	SRL 524M-TCP	Dup	
HAR-15		11/02/06	8260B	Primary	
HAR-27		02/10/06	8260B	Primary	
HAR-27		08/24/06	6010B	Primary	
HAR-27		08/24/06	6020	Primary	
HAR-27		08/24/06	7470A	Primary	
HAR-27		08/24/06	8260B	Primary	
HAR-29		08/29/06	6010B	Primary	
HAR-29		08/29/06	6020	Primary	
HAR-29		08/29/06	7470A	Primary	
Chatsworth Formation Wells					
RD-01		05/08/06	COCs	Primary	
RD-01		05/08/06	1625M	Dup	
RD-01		05/08/06	314.0	Primary	
RD-01		05/08/06	SRL 524M-TCP	Primary	
RD-01		05/08/06	SRL 524M-TCP	Dup	
RD-01		08/16/06	COCs	Primary	
RD-01		08/16/06	1625M	Dup	
RD-01		08/16/06	314.0	Primary	
RD-01		08/16/06	6010B	Primary	
RD-01		08/16/06	6020	Primary	
RD-01		08/16/06	7470A	Primary	
RD-01		11/06/06	COCs	Primary	
RD-01		11/06/06	314.0	Primary	
RD-01		11/06/06	8260B	Dup	
RD-01		11/06/06	8260B	Split	
RD-02		05/08/06	COCs	Primary	
RD-02		05/08/06	314.0	Primary	
RD-02		05/08/06	SRL 524M-TCP	Primary	
RD-02		08/15/06	COCs	Primary	
RD-02		08/15/06	314.0	Primary	

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-02		11/09/06	COCs	Primary	
RD-02		11/09/06	314.0	Primary	
RD-02		11/09/06	8260B	Dup	
RD-02		11/09/06	8260B	Split	
RD-03		02/14/06	8260B	Primary	
RD-03		08/04/06	8260B	Primary	
RD-04		06/01/06	COCs	Primary	
RD-04		06/01/06	314.0	Primary	
RD-04		08/15/06	COCs	Primary	
RD-04		08/15/06	314.0	Primary	
RD-04		08/15/06	8260B	Dup	
RD-04		08/15/06	8260B	Split	
RD-04		11/08/06	COCs	Primary	
RD-04		11/08/06	314.0	Primary	
RD-05A		02/23/06	8260B	Primary	
RD-05A		08/03/06	8260B	Primary	
RD-05B		05/12/06	8260B	Primary	
RD-05B		05/12/06	8260B	Split	
RD-05B		05/12/06	8260B	Dup	
RD-05B		08/22/06	8260B	Primary	
RD-05B		10/31/06	8260B	Primary	
RD-05C		02/06/06	8260B	Primary	
RD-05C		02/06/06	8260B	Dup	
RD-05C		05/16/06	8260B	Primary	
RD-05C		08/03/06	8260B	Primary	
RD-05C		10/31/06	8260B	Primary	
RD-06		02/14/06	8260B	Primary	
RD-06		05/15/06	8260B	Primary	
RD-06		08/22/06	8260B	Primary	
RD-06		08/22/06	8260B	Dup	
RD-06		11/10/06	8260B	Primary	
RD-07	Z3	02/16/06	8260B	Primary	
RD-07	Z3	02/16/06	900.0	Primary	
RD-07	Z3	02/16/06	901.1	Primary	
RD-07	Z3	02/16/06	903.1	Primary	
RD-07	Z3	02/16/06	904.0	Primary	
RD-07	Z3	02/16/06	906.0	Primary	
RD-07	Z3	02/16/06	907.0	Primary	
RD-07	Z3	02/16/06	908.0	Primary	
RD-07	Z3	08/16/06	8260B	Primary	
RD-07	Z3	08/16/06	900.0	Primary	
RD-07	Z3	08/16/06	903.1	Primary	
RD-07	Z3	08/16/06	904.0	Primary	
RD-07	Z3	08/16/06	906.0	Primary	
RD-07	Z3	08/16/06	908.0	Primary	
RD-09		05/16/06	COCs	Primary	
RD-09		05/16/06	314.0	Primary	
RD-09		05/16/06	8260SIM	Split	
RD-09		05/16/06	8260SIM	Dup	
RD-09		08/10/06	COCs	Primary	

See last page of Table B-II for notes and abbreviations.

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-09		08/10/06	314.0	Primary	
RD-09		08/10/06	6010B	Primary	
RD-09		08/10/06	6020	Primary	
RD-09		08/10/06	7470A	Primary	
RD-09		11/08/06	COCs	Primary	
RD-09		11/08/06	314.0	Primary	
RD-09		11/08/06	314.0	Dup	
RD-09		11/08/06	314.0	Split	
RD-10		02/14/06	COCs	Primary	
RD-10		02/14/06	314.0	Primary	
RD-10		05/09/06	COCs	Primary	
RD-10		05/09/06	314.0	Primary	
RD-10		08/16/06	COCs	Primary	
RD-10		08/16/06	314.0	Primary	
RD-10		08/16/06	8270C	Dup	
RD-10		11/07/06	COCs	Primary	
RD-10		11/07/06	314.0	Primary	
RD-10		11/07/06	6010B	Primary	
RD-10		11/07/06	6020	Primary	
RD-10		11/07/06	7470A	Primary	
RD-13		02/07/06	8260B	Primary	
RD-13		05/17/06	8260B	Primary	
RD-13		05/17/06	8260B	Dup	
RD-13		08/04/06	8260B	Primary	
RD-13		08/04/06	8260B	Dup	
RD-13		11/08/06	8260B	Primary	
RD-14		03/16/06	300.0-Fluoride	Primary	
RD-14		03/16/06	300.0-Sulfate	Primary	
RD-14		03/16/06	6010B	Primary	
RD-14		03/16/06	6020	Primary	
RD-14		03/16/06	7470A	Primary	
RD-14		03/16/06	8082	Primary	
RD-14		03/16/06	8290	Primary	
RD-15		02/16/06	6010B	Primary	
RD-15		02/16/06	6020	Primary	
RD-15		02/16/06	7470A	Primary	
RD-15		02/16/06	8260B	Primary	
RD-15		02/16/06	900.0	Primary	
RD-15		02/16/06	900.0	Split	
RD-15		02/16/06	901.1	Primary	
RD-15		02/16/06	901.1	Split	
RD-15		02/16/06	903.1	Primary	
RD-15		02/16/06	903.1	Split	
RD-15		02/16/06	904.0	Primary	
RD-15		02/16/06	904.0	Split	
RD-15		02/16/06	906.0	Primary	
RD-15		02/16/06	906.0	Split	
RD-15		02/16/06	908.0	Primary	
RD-15		02/16/06	908.0	Split	
RD-15		08/08/06	6010B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-15		08/08/06	6020	Primary	
RD-15		08/08/06	7470A	Primary	
RD-15		08/08/06	900.0	Primary	
RD-15		08/08/06	900.0	Split	
RD-15		08/08/06	903.1	Primary	
RD-15		08/08/06	903.1	Split	
RD-15		08/08/06	904.0	Primary	
RD-15		08/08/06	904.0	Split	
RD-16		02/10/06	8260B	Primary	
RD-16		05/24/06	8260B	Primary	
RD-16		08/21/06	8260B	Primary	
RD-16		08/21/06	8260B	Dup	
RD-16		11/01/06	8260B	Primary	
RD-17		02/16/06	8260B	Primary	
RD-17		02/16/06	900.0	Primary	
RD-17		02/16/06	901.1	Primary	
RD-17		02/16/06	903.1	Primary	
RD-17		02/16/06	904.0	Primary	
RD-17		02/16/06	906.0	Primary	
RD-17		08/10/06	900.0	Primary	
RD-17		08/10/06	903.1	Primary	
RD-17		08/10/06	904.0	Primary	
RD-18		02/23/06	8260B	Primary	
RD-18		02/23/06	8260B	Dup	
RD-18		02/23/06	8260B	Split	
RD-18		05/19/06	8260B	Primary	
RD-18		08/23/06	8260B	Primary	
RD-18		08/23/06	8260B	Dup	
RD-18		11/03/06	8260B	Primary	
RD-19		02/06/06	8260B	Primary	
RD-19		05/23/06	8260B	Primary	
RD-19		08/15/06	8260B	Primary	
RD-19		08/15/06	8260B	Dup	
RD-19		11/08/06	8260B	Primary	
RD-21	Z2	02/16/06	6010B	Primary	
RD-21	Z2	02/16/06	6020	Primary	
RD-21	Z2	02/16/06	7470A	Primary	
RD-21	Z2	02/16/06	8260B	Primary	
RD-21	Z2	02/16/06	900.0	Primary	
RD-21	Z2	02/16/06	901.1	Primary	
RD-21	Z2	02/16/06	903.1	Primary	
RD-21	Z2	02/16/06	904.0	Primary	
RD-21	Z2	02/16/06	906.0	Primary	
RD-21	Z2	02/16/06	908.0	Primary	
RD-21	Z2	08/16/06	6010B	Primary	
RD-21	Z2	08/16/06	6020	Primary	
RD-21	Z2	08/16/06	7470A	Primary	
RD-21	Z2	08/16/06	8260B	Primary	
RD-21	Z2	08/16/06	900.0	Primary	
RD-21	Z2	08/16/06	903.1	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-21	Z2	08/16/06	904.0	Primary	
RD-21	Z2	08/16/06	908.0	Primary	
RD-22	Z2	02/15/06	6010B	Primary	
RD-22	Z2	02/15/06	6020	Primary	
RD-22	Z2	02/15/06	7470A	Primary	
RD-22	Z2	02/15/06	8260B	Primary	
RD-22	Z2	02/15/06	900.0	Primary	
RD-22	Z2	02/15/06	901.1	Primary	
RD-22	Z2	02/15/06	9014	Primary	
RD-22	Z2	02/15/06	903.1	Primary	
RD-22	Z2	02/15/06	904.0	Primary	
RD-22	Z2	02/15/06	906.0	Primary	
RD-22	Z2	05/23/06	8260B	Primary	
RD-22	Z2	08/16/06	8260B	Primary	
RD-22	Z2	08/16/06	900.0	Primary	
RD-22	Z2	08/16/06	903.1	Primary	
RD-22	Z2	08/16/06	904.0	Primary	
RD-22	Z2	11/06/06	8260B	Primary	
RD-23	Z3	02/17/06	6010B	Primary	
RD-23	Z3	02/17/06	6020	Primary	
RD-23	Z3	02/17/06	7470A	Primary	
RD-23	Z3	02/17/06	8260B	Primary	
RD-23	Z3	02/17/06	900.0	Primary	
RD-23	Z3	02/17/06	901.1	Primary	
RD-23	Z3	02/17/06	903.1	Primary	
RD-23	Z3	02/17/06	904.0	Primary	
RD-23	Z3	02/17/06	906.0	Primary	
RD-23	Z3	08/17/06	6010B	Primary	
RD-23	Z3	08/17/06	6020	Primary	
RD-23	Z3	08/17/06	7470A	Primary	
RD-23	Z3	08/17/06	8260B	Primary	
RD-23	Z3	08/17/06	900.0	Primary	
RD-23	Z3	08/17/06	903.1	Primary	
RD-23	Z3	08/17/06	904.0	Primary	
RD-24		02/15/06	8260B	Primary	
RD-24		02/15/06	900.0	Primary	
RD-24		02/15/06	901.1	Primary	
RD-24		02/15/06	903.1	Primary	
RD-24		02/15/06	904.0	Primary	
RD-24		02/15/06	906.0	Primary	
RD-24		08/10/06	8260B	Primary	
RD-24		08/10/06	900.0	Primary	
RD-24		08/10/06	901.1	Primary	
RD-24		08/10/06	903.1	Primary	
RD-24		08/10/06	904.0	Primary	
RD-24		08/10/06	906.0	Primary	
RD-26		02/23/06	8260B	Primary	
RD-26		08/22/06	8260B	Primary	
RD-27		02/20/06	8260B	Primary	
RD-27		02/20/06	900.0	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-27		02/20/06	901.1	Primary	
RD-27		02/20/06	903.1	Primary	
RD-27		02/20/06	904.0	Primary	
RD-27		02/20/06	906.0	Primary	
RD-27		08/25/06	8260B	Primary	
RD-27		08/25/06	900.0	Primary	
RD-27		08/25/06	901.1	Primary	
RD-27		08/25/06	903.1	Primary	
RD-27		08/25/06	904.0	Primary	
RD-27		08/25/06	906.0	Primary	
RD-29		02/16/06	8260B	Primary	
RD-29		02/16/06	900.0	Primary	
RD-29		02/16/06	901.1	Primary	
RD-29		02/16/06	903.1	Primary	
RD-29		02/16/06	904.0	Primary	
RD-29		02/16/06	906.0	Primary	
RD-29		02/16/06	908.0	Primary	
RD-29		08/11/06	900.0	Primary	
RD-29		08/11/06	903.1	Primary	
RD-29		08/11/06	904.0	Primary	
RD-29		08/11/06	908.0	Primary	
RD-30		02/17/06	8260B	Primary	
RD-30		02/17/06	8260B	Dup	
RD-30		02/17/06	900.0	Primary	
RD-30		02/17/06	901.1	Primary	
RD-30		02/17/06	903.1	Primary	
RD-30		02/17/06	904.0	Primary	
RD-30		02/17/06	906.0	Primary	
RD-30		08/09/06	8260B	Primary	
RD-30		08/09/06	900.0	Primary	
RD-30		08/09/06	900.0	Split	
RD-30		08/09/06	901.1	Primary	
RD-30		08/09/06	901.1	Split	
RD-30		08/09/06	903.1	Primary	
RD-30		08/09/06	903.1	Split	
RD-30		08/09/06	904.0	Primary	
RD-30		08/09/06	904.0	Split	
RD-30		08/09/06	906.0	Primary	
RD-30		08/09/06	906.0	Split	
RD-32		02/21/06	314.0	Primary	
RD-32		02/21/06	8015M (GRO)	Primary	
RD-32		02/21/06	8260B	Primary	
RD-32		02/21/06	General Minerals	Primary	
RD-32		05/18/06	8260B	Primary	
RD-32		08/03/06	8015M (GRO)	Primary	
RD-32		08/03/06	8260B	Primary	
RD-32		11/03/06	8015B (GRO)	Primary	
RD-32		11/03/06	8015B (GRO)	Dup	
RD-32		11/03/06	8015B (GRO)	Split	
RD-32		11/03/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-32		11/03/06	8260B	Dup	
RD-33A	Z2	02/17/06	6010B	Primary	
RD-33A	Z2	02/17/06	6020	Primary	
RD-33A	Z2	02/17/06	7470A	Primary	
RD-33A	Z2	02/17/06	8260B	Primary	
RD-33A	Z2	02/17/06	900.0	Primary	
RD-33A	Z2	02/17/06	901.1	Primary	
RD-33A	Z2	02/17/06	9014	Primary	
RD-33A	Z2	02/17/06	903.1	Primary	
RD-33A	Z2	02/17/06	904.0	Primary	
RD-33A	Z2	02/17/06	906.0	Primary	
RD-33A	Z3	08/18/06	8260B	Primary	
RD-33A	Z3	08/18/06	900.0	Primary	
RD-33A	Z3	08/18/06	903.1	Primary	
RD-33A	Z3	08/18/06	904.0	Primary	
RD-33B		02/16/06	6010B	Primary	
RD-33B		02/16/06	6020	Primary	
RD-33B		02/16/06	7470A	Primary	
RD-33B		02/16/06	8260B	Primary	
RD-33B		02/16/06	900.0	Primary	
RD-33B		02/16/06	901.1	Primary	
RD-33B		02/16/06	9014	Primary	
RD-33B		02/16/06	903.1	Primary	
RD-33B		02/16/06	904.0	Primary	
RD-33B		02/16/06	906.0	Primary	
RD-33B		05/23/06	8260B	Primary	
RD-33B		08/09/06	8260B	Primary	
RD-33B		08/09/06	900.0	Primary	
RD-33B		08/09/06	900.0	Split	
RD-33B		08/09/06	903.1	Primary	
RD-33B		08/09/06	903.1	Split	
RD-33B		08/09/06	904.0	Primary	
RD-33B		08/09/06	904.0	Split	
RD-33B		08/09/06	906.0	Primary	
RD-33B		08/09/06	906.0	Split	
RD-33B		11/03/06	8260B	Primary	
RD-33C		02/16/06	6010B	Primary	
RD-33C		02/16/06	6020	Primary	
RD-33C		02/16/06	7470A	Primary	
RD-33C		02/16/06	8260B	Primary	
RD-33C		02/16/06	900.0	Primary	
RD-33C		02/16/06	901.1	Primary	
RD-33C		02/16/06	9014	Primary	
RD-33C		02/16/06	903.1	Primary	
RD-33C		02/16/06	904.0	Primary	
RD-33C		02/16/06	906.0	Primary	
RD-33C		05/22/06	8260B	Primary	
RD-33C		08/08/06	8260B	Primary	
RD-33C		08/08/06	900.0	Primary	
RD-33C		08/08/06	903.1	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-33C		08/08/06	904.0	Primary	
RD-33C		08/08/06	906.0	Primary	
RD-33C		11/02/06	8260B	Primary	
RD-33C		11/02/06	8260B	Dup	
RD-33C		11/02/06	8260B	Split	
RD-34A		02/21/06	6010B	Primary	
RD-34A		02/21/06	6020	Primary	
RD-34A		02/21/06	7470A	Primary	
RD-34A		02/21/06	8260B	Primary	
RD-34A		02/21/06	8260B	Split	
RD-34A		02/21/06	900.0	Primary	
RD-34A		02/21/06	901.1	Primary	
RD-34A		02/21/06	9014	Primary	
RD-34A		02/21/06	903.1	Primary	
RD-34A		02/21/06	904.0	Primary	
RD-34A		02/21/06	906.0	Primary	
RD-34A		02/21/06	907.0	Primary	
RD-34A		02/21/06	908.0	Primary	
RD-34A		11/16/06	8260B	Primary	
RD-34A		11/16/06	900.0	Primary	
RD-34A		11/16/06	903.1	Primary	
RD-34A		11/16/06	904.0	Primary	
RD-34A		11/16/06	906.0	Primary	
RD-34A		11/16/06	908.0	Primary	
RD-34A		12/15/06	8260B	Primary	
RD-34B		02/17/06	6010B	Primary	
RD-34B		02/17/06	6020	Primary	
RD-34B		02/17/06	7470A	Primary	
RD-34B		02/17/06	8260B	Primary	
RD-34B		02/17/06	900.0	Primary	
RD-34B		02/17/06	901.1	Primary	
RD-34B		02/17/06	9014	Primary	
RD-34B		02/17/06	903.1	Primary	
RD-34B		02/17/06	904.0	Primary	
RD-34B		02/17/06	906.0	Primary	
RD-34B		02/17/06	908.0	Primary	
RD-34B		08/09/06	8260B	Primary	
RD-34B		08/09/06	900.0	Primary	
RD-34B		08/09/06	903.1	Primary	
RD-34B		08/09/06	904.0	Primary	
RD-34B		08/09/06	906.0	Primary	
RD-34C		02/21/06	6010B	Primary	
RD-34C		02/21/06	6020	Primary	
RD-34C		02/21/06	7470A	Primary	
RD-34C		02/21/06	8260B	Primary	
RD-34C		02/21/06	900.0	Primary	
RD-34C		02/21/06	900.0	Split	
RD-34C		02/21/06	901.1	Primary	
RD-34C		02/21/06	901.1	Split	
RD-34C		02/21/06	9014	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-34C		02/21/06	903.1	Primary	
RD-34C		02/21/06	903.1	Split	
RD-34C		02/21/06	904.0	Primary	
RD-34C		02/21/06	904.0	Split	
RD-34C		02/21/06	906.0	Primary	
RD-34C		02/21/06	906.0	Split	
RD-34C		08/09/06	8260B	Primary	
RD-34C		08/09/06	900.0	Primary	
RD-34C		08/09/06	903.1	Primary	
RD-34C		08/09/06	904.0	Primary	
RD-34C		08/09/06	906.0	Primary	
RD-35A		08/11/06	6010B	Primary	
RD-35A		08/11/06	6020	Primary	
RD-35A		08/11/06	7470A	Primary	
RD-35A		08/11/06	8082	Primary	
RD-36A		09/01/06	8015M (GRO)	Primary	
RD-36A		09/01/06	8260B	Primary	
RD-36A		11/15/06	314.0	Primary	
RD-36A		11/15/06	General Minerals	Primary	
RD-36B		05/18/06	8015M (GRO)	Primary	
RD-36B		05/18/06	8260B	Primary	
RD-36B		05/18/06	General Minerals	Primary	
RD-36B		08/04/06	8015M (GRO)	Primary	
RD-36B		08/04/06	8260B	Primary	
RD-36C		05/19/06	314.0	Primary	
RD-36C		05/19/06	8015M (GRO)	Primary	
RD-36C		05/19/06	8260B	Primary	
RD-36C		05/19/06	General Minerals	Primary	
RD-36C		08/22/06	8015M (GRO)	Primary	
RD-36C		08/22/06	8260B	Primary	
RD-36C		11/13/06	8015B (GRO)	Primary	
RD-36C		11/13/06	8260B	Primary	
RD-36C		11/13/06	8260B	Dup	
RD-36C		11/13/06	8260B	Split	
RD-36D		05/18/06	314.0	Primary	
RD-36D		05/18/06	8015M (GRO)	Primary	
RD-36D		05/18/06	8260B	Primary	
RD-36D		05/18/06	General Minerals	Primary	
RD-36D		08/22/06	8015M (GRO)	Primary	
RD-36D		08/22/06	8260B	Primary	
RD-36D		11/10/06	8015B (GRO)	Primary	
RD-36D		11/10/06	8260B	Primary	
RD-37		02/20/06	314.0	Primary	
RD-37		02/20/06	8015M (GRO)	Primary	
RD-37		02/20/06	8260B	Primary	
RD-37		02/20/06	General Minerals	Primary	
RD-37		05/17/06	8260B	Primary	
RD-37		08/03/06	8015M (GRO)	Primary	
RD-37		08/03/06	8260B	Primary	
RD-37		11/13/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-38A		05/17/06	314.0	Primary	
RD-38A		05/17/06	8015M (GRO)	Primary	
RD-38A		05/17/06	8260B	Primary	
RD-38A		05/17/06	General Minerals	Primary	
RD-38A		08/23/06	8015M (GRO)	Primary	
RD-38A		08/23/06	8260B	Primary	
RD-38B		02/21/06	314.0	Primary	
RD-38B		02/21/06	8015M (GRO)	Primary	
RD-38B		02/21/06	8260B	Primary	
RD-38B		02/21/06	General Minerals	Primary	
RD-38B		05/17/06	8260B	Primary	
RD-38B		08/23/06	8015M (GRO)	Primary	
RD-38B		08/23/06	8260B	Primary	
RD-38B		11/15/06	8015B (GRO)	Primary	
RD-38B		11/15/06	8015B (GRO)	Dup	
RD-38B		11/15/06	8015B (GRO)	Split	
RD-38B		11/15/06	8260B	Primary	
RD-39A		08/31/06	314.0	Primary	
RD-39A		08/31/06	8260B	Primary	
RD-39A		08/31/06	8260B	Dup	
RD-39A		08/31/06	8260B	Split	
RD-39A		08/31/06	General Minerals	Primary	
RD-39A		11/15/06	8260B	Primary	
RD-39A		11/15/06	8260B	Dup	
RD-39A		11/15/06	8260B	Split	
RD-39B		02/20/06	314.0	Primary	
RD-39B		02/20/06	8260B	Primary	
RD-39B		02/20/06	General Minerals	Primary	
RD-39B		05/18/06	8260B	Primary	
RD-39B		08/24/06	8260B	Primary	
RD-39B		11/14/06	8260B	Primary	
RD-41A		02/09/06	COCs	Primary	
RD-41A		02/09/06	1625M	Dup	
RD-41A		02/09/06	314.0	Primary	
RD-41A		05/11/06	COCs	Primary	
RD-41A		05/11/06	314.0	Primary	
RD-41A		05/11/06	8260B	Dup	
RD-41A		08/16/06	COCs	Primary	
RD-41A		08/16/06	314.0	Primary	
RD-41A		08/16/06	6010B	Primary	
RD-41A		08/16/06	6020	Primary	
RD-41A		08/16/06	7470A	Primary	
RD-41A		11/09/06	COCs	Primary	
RD-41A		11/09/06	314.0	Primary	
RD-41A		11/09/06	6010B	Primary	
RD-41A		11/09/06	6020	Primary	
RD-41A		11/09/06	7470A	Primary	
RD-41B		02/09/06	COCs	Primary	
RD-41B		02/09/06	314.0	Primary	
RD-41B		05/11/06	COCs	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-41B		05/11/06	314.0	Primary	
RD-41B		05/11/06	6010B	Primary	
RD-41B		05/11/06	6020	Primary	
RD-41B		05/11/06	7470A	Primary	
RD-41B		08/16/06	COCs	Primary	
RD-41B		08/16/06	314.0	Primary	
RD-41B		08/16/06	8260B	Dup	
RD-41B		11/09/06	COCs	Primary	
RD-41B		11/09/06	314.0	Primary	
RD-42		08/09/06	6010B	Primary	
RD-42		08/09/06	6020	Primary	
RD-42		08/09/06	7470A	Primary	
RD-42		11/01/06	6010B	Primary	
RD-42		11/01/06	6020	Primary	
RD-42		11/01/06	7470A	Primary	
RD-43A		02/23/06	314.0	Primary	
RD-43A		02/23/06	8260B	Primary	
RD-43A		02/23/06	General Minerals	Primary	
RD-43A		05/17/06	8260B	Primary	
RD-43A		08/23/06	8260B	Primary	
RD-43A		10/31/06	8260B	Primary	
RD-43B		02/22/06	314.0	Primary	
RD-43B		02/22/06	8260B	Primary	
RD-43B		02/22/06	General Minerals	Primary	
RD-43B		05/17/06	8260B	Primary	
RD-43B		08/22/06	8260B	Primary	
RD-43B		10/31/06	8260B	Primary	
RD-43C		02/22/06	314.0	Primary	
RD-43C		02/22/06	8260B	Primary	
RD-43C		02/22/06	General Minerals	Primary	
RD-43C		05/17/06	8260B	Primary	
RD-43C		08/21/06	8260B	Primary	
RD-43C		08/21/06	8260B	Dup	
RD-43C		10/30/06	8260B	Primary	
RD-44		02/13/06	COCs	Primary	
RD-44		02/13/06	314.0	Primary	
RD-44		08/23/06	COCs	Primary	
RD-44		08/23/06	314.0	Primary	
RD-44		11/07/06	COCs	Primary	
RD-44		11/07/06	314.0	Primary	
RD-44		11/07/06	8260B	Dup	
RD-45B		02/06/06	314.0	Primary	
RD-45B		02/06/06	8260B	Primary	
RD-45B		02/06/06	General Minerals	Primary	
RD-45B		08/18/06	8260B	Primary	
RD-45B		11/16/06	6010B	Primary	
RD-45B		11/16/06	6020	Primary	
RD-45B		11/16/06	7470A	Primary	
RD-45B		11/16/06	8015B (EFH)	Primary	
RD-45B		11/16/06	8082	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-45B		11/16/06	8290	Primary	
RD-45C		02/03/06	314.0	Primary	
RD-45C		02/03/06	8260B	Primary	
RD-45C		02/03/06	8260B	Dup	
RD-45C		02/03/06	General Minerals	Primary	
RD-45C		08/23/06	8260B	Primary	
RD-46A		02/23/06	8260B	Primary	
RD-46A		08/23/06	8260B	Primary	
RD-47		02/03/06	314.0	Primary	
RD-47		02/03/06	8260B	Primary	
RD-47		08/29/06	8260B	Primary	
RD-48A		08/29/06	8260B	Primary	
RD-48B		02/23/06	8260B	Primary	
RD-48B		02/23/06	8260B	Dup	
RD-48B		05/25/06	8260B	Primary	
RD-48B		08/25/06	8260B	Primary	
RD-48B		08/25/06	8260B	Dup	
RD-48B		11/16/06	8260B	Primary	
RD-48C		02/22/06	8260B	Primary	
RD-48C		05/23/06	8260B	Primary	
RD-48C		08/24/06	8260B	Primary	
RD-48C		11/15/06	8260B	Primary	
RD-49A		08/10/06	COCs	Primary	
RD-49A		08/10/06	314.0	Primary	
RD-49A		08/10/06	6010B	Primary	
RD-49A		08/10/06	6020	Primary	
RD-49A		08/10/06	7470A	Primary	
RD-49A		11/07/06	COCs	Primary	
RD-49A		11/07/06	314.0	Primary	
RD-49A		11/07/06	6010B	Primary	
RD-49A		11/07/06	6020	Primary	
RD-49A		11/07/06	7470A	Primary	
RD-49B		02/09/06	COCs	Primary	
RD-49B		02/09/06	1625M	Dup	
RD-49B		02/09/06	314.0	Primary	
RD-49B		05/11/06	COCs	Primary	
RD-49B		05/11/06	314.0	Primary	
RD-49B		05/11/06	6010B	Primary	
RD-49B		05/11/06	6020	Primary	
RD-49B		05/11/06	7470A	Primary	
RD-49B		05/11/06	SRL 524M-TCP	Primary	
RD-49B		05/11/06	1625M	Dup	
RD-49B		08/09/06	COCs	Primary	
RD-49B		08/09/06	1625M	Dup	
RD-49B		08/09/06	314.0	Primary	
RD-49B		08/09/06	6010B	Primary	
RD-49B		08/09/06	6020	Primary	
RD-49B		08/09/06	7470A	Primary	
RD-49B		11/07/06	COCs	Primary	
RD-49B		11/07/06	314.0	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-49C		02/09/06	COCs	Primary	
RD-49C		02/09/06	314.0	Primary	
RD-49C		05/15/06	COCs	Primary	
RD-49C		05/15/06	314.0	Primary	
RD-49C		08/10/06	COCs	Primary	
RD-49C		08/10/06	314.0	Primary	
RD-49C		11/06/06	COCs	Primary	
RD-49C		11/06/06	314.0	Primary	
RD-49C		11/06/06	8260B	Dup	
RD-49C		11/06/06	8260B	Split	
RD-50	Z2	02/15/06	8260B	Primary	
RD-50	Z2	08/16/06	8260B	Primary	
RD-51B		02/09/06	COCs	Primary	
RD-51B		02/09/06	314.0	Primary	
RD-51B		02/09/06	General Minerals	Primary	
RD-51B		05/10/06	COCs	Primary	
RD-51B		05/10/06	314.0	Primary	
RD-51B		08/14/06	COCs	Primary	
RD-51B		08/14/06	314.0	Primary	
RD-51B		11/07/06	COCs	Primary	
RD-51B		11/07/06	314.0	Primary	
RD-51B		11/07/06	6010B	Primary	
RD-51B		11/07/06	6020	Primary	
RD-51B		11/07/06	7470A	Primary	
RD-51B		11/07/06	8015B (EFH)	Primary	
RD-51C		02/09/06	COCs	Primary	
RD-51C		02/09/06	314.0	Primary	
RD-51C		02/09/06	General Minerals	Primary	
RD-51C		05/11/06	COCs	Primary	
RD-51C		05/11/06	314.0	Primary	
RD-51C		08/14/06	COCs	Primary	
RD-51C		08/14/06	314.0	Primary	
RD-51C		11/07/06	COCs	Primary	
RD-51C		11/07/06	314.0	Primary	
RD-52B		02/03/06	314.0	Primary	
RD-52B		02/03/06	8260B	Primary	
RD-52B		02/03/06	General Minerals	Primary	
RD-52B		08/17/06	8260B	Primary	
RD-52C		02/02/06	314.0	Primary	
RD-52C		02/02/06	8260B	Primary	
RD-52C		02/02/06	General Minerals	Primary	
RD-52C		05/18/06	8260B	Primary	
RD-52C		08/17/06	8260B	Primary	
RD-52C		08/17/06	8260B	Dup	
RD-52C		08/17/06	8260B	Split	
RD-52C		11/01/06	8260B	Primary	
RD-53		05/19/06	8015M (GRO)	Primary	
RD-53		05/19/06	8260B	Primary	
RD-53		08/24/06	8015M (GRO)	Primary	
RD-53		08/24/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-54A	Z2	02/16/06	6010B	Primary	
RD-54A	Z2	02/16/06	6020	Primary	
RD-54A	Z2	02/16/06	7470A	Primary	
RD-54A	Z2	02/16/06	8260B	Primary	
RD-54A	Z2	02/16/06	900.0	Primary	
RD-54A	Z2	02/16/06	901.1	Primary	
RD-54A	Z2	02/16/06	903.1	Primary	
RD-54A	Z2	02/16/06	904.0	Primary	
RD-54A	Z2	02/16/06	906.0	Primary	
RD-54A	Z2	02/16/06	907.0	Primary	
RD-54A	Z2	02/16/06	908.0	Primary	
RD-54A	Z2	08/17/06	6010B	Primary	
RD-54A	Z2	08/17/06	6020	Primary	
RD-54A	Z2	08/17/06	7470A	Primary	
RD-54A	Z2	08/17/06	8260B	Primary	
RD-54A	Z2	08/17/06	900.0	Primary	
RD-54A	Z2	08/17/06	903.1	Primary	
RD-54A	Z2	08/17/06	904.0	Primary	
RD-54A	Z2	08/17/06	906.0	Primary	
RD-54B		02/20/06	6010B	Primary	
RD-54B		02/20/06	6020	Primary	
RD-54B		02/20/06	7470A	Primary	
RD-54B		02/20/06	8260B	Primary	
RD-54B		02/20/06	900.0	Primary	
RD-54B		02/20/06	901.1	Primary	
RD-54B		02/20/06	903.1	Primary	
RD-54B		02/20/06	904.0	Primary	
RD-54B		02/20/06	906.0	Primary	
RD-54B		08/23/06	6010B	Primary	
RD-54B		08/23/06	6020	Primary	
RD-54B		08/23/06	7470A	Primary	
RD-54B		08/23/06	8260B	Primary	
RD-54B		08/23/06	900.0	Primary	
RD-54B		08/23/06	903.1	Primary	
RD-54B		08/23/06	904.0	Primary	
RD-54B		08/23/06	906.0	Primary	
RD-54C		02/23/06	6010B	Primary	
RD-54C		02/23/06	6020	Primary	
RD-54C		02/23/06	7470A	Primary	
RD-54C		02/23/06	8260B	Primary	
RD-54C		02/23/06	900.0	Primary	
RD-54C		02/23/06	901.1	Primary	
RD-54C		02/23/06	903.1	Primary	
RD-54C		02/23/06	904.0	Primary	
RD-54C		02/23/06	906.0	Primary	
RD-54C		08/10/06	6010B	Primary	
RD-54C		08/10/06	6020	Primary	
RD-54C		08/10/06	7470A	Primary	
RD-54C		08/10/06	8260B	Primary	
RD-54C		08/10/06	900.0	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-54C		08/10/06	903.1	Primary	
RD-54C		08/10/06	904.0	Primary	
RD-54C		08/10/06	906.0	Primary	
RD-55A		02/09/06	COCs	Primary	
RD-55A		02/09/06	314.0	Primary	
RD-55A		05/16/06	COCs	Primary	
RD-55A		05/16/06	314.0	Primary	
RD-55A		08/21/06	COCs	Primary	
RD-55A		08/21/06	314.0	Primary	
RD-55A		08/21/06	8260B	Dup	
RD-55A		11/07/06	COCs	Primary	
RD-55A		11/07/06	314.0	Primary	
RD-55B		02/09/06	COCs	Primary	
RD-55B		02/09/06	314.0	Primary	
RD-55B		05/16/06	COCs	Primary	
RD-55B		05/16/06	314.0	Primary	
RD-55B		05/16/06	8260B	Dup	
RD-55B		05/16/06	8260B	Split	
RD-55B		08/22/06	COCs	Primary	
RD-55B		08/22/06	314.0	Primary	
RD-55B		11/09/06	COCs	Primary	
RD-55B		11/09/06	314.0	Primary	
RD-56A		05/24/06	6010B	Primary	
RD-56A		05/24/06	6020	Primary	
RD-56A		05/24/06	7470A	Primary	
RD-56A		08/15/06	6010B	Primary	
RD-56A		08/15/06	6020	Primary	
RD-56A		08/15/06	7470A	Primary	
RD-56B		02/23/06	8260B	Primary	
RD-56B		05/15/06	8260B	Primary	
RD-56B		08/14/06	6010B	Primary	
RD-56B		08/14/06	6020	Primary	
RD-56B		08/14/06	7470A	Primary	
RD-56B		08/14/06	8260B	Primary	
RD-56B		11/14/06	8260B	Primary	
RD-57	Z7	02/20/06	6010B	Primary	
RD-57	Z7	02/20/06	6020	Primary	
RD-57	Z7	02/20/06	7470A	Primary	
RD-57	Z7	02/20/06	8260B	Primary	
RD-57	Z7	02/20/06	900.0	Primary	
RD-57	Z7	02/20/06	901.1	Primary	
RD-57	Z7	02/20/06	903.1	Primary	
RD-57	Z7	02/20/06	904.0	Primary	
RD-57	Z7	02/20/06	906.0	Primary	
RD-57	Z7	05/23/06	8260B	Primary	
RD-57	Z7	05/23/06	8260B	Dup	
RD-57	Z7	08/18/06	8260B	Primary	
RD-57	Z7	08/18/06	900.0	Primary	
RD-57	Z7	08/18/06	903.1	Primary	
RD-57	Z7	08/18/06	904.0	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-57	Z7	08/18/06	906.0	Primary	
RD-57	Z7	11/06/06	8260B	Primary	
RD-58A		02/07/06	COCs	Primary	
RD-58A		02/07/06	314.0	Primary	
RD-58A		05/18/06	COCs	Primary	
RD-58A		05/18/06	314.0	Primary	
RD-58A		08/15/06	COCs	Primary	
RD-58A		08/15/06	314.0	Primary	
RD-58A		11/13/06	COCs	Primary	
RD-58A		11/13/06	314.0	Primary	
RD-58B		05/16/06	COCs	Primary	
RD-58B		05/16/06	314.0	Primary	
RD-58B		08/15/06	COCs	Primary	
RD-58B		08/15/06	314.0	Primary	
RD-58B		11/09/06	COCs	Primary	
RD-58B		11/09/06	314.0	Primary	
RD-58C		02/07/06	8260B	Primary	
RD-58C		08/18/06	8260B	Primary	
RD-58C		08/18/06	8260B	Dup	
RD-59A		08/23/06	314.0	Primary	
RD-59A		08/23/06	6010B	Primary	
RD-59A		08/23/06	6020	Primary	
RD-59A		08/23/06	7470A	Primary	
RD-59A		08/23/06	8260B	Primary	
RD-59A		08/23/06	900.0	Primary	
RD-59A		08/23/06	901.1	Primary	
RD-59A		08/23/06	903.1	Primary	
RD-59A		08/23/06	904.0	Primary	
RD-59A		08/23/06	906.0	Primary	
RD-59A		08/23/06	General Minerals	Primary	
RD-59A		11/14/06	8260B	Primary	
RD-59A		11/14/06	901.1	Primary	
RD-59A		11/14/06	906.0	Primary	
RD-59B		02/22/06	314.0	Primary	
RD-59B		02/22/06	314.0	Dup	
RD-59B		02/22/06	314.0	Split	
RD-59B		02/22/06	6010B	Primary	
RD-59B		02/22/06	6020	Primary	
RD-59B		02/22/06	7470A	Primary	
RD-59B		02/22/06	8260B	Primary	
RD-59B		02/22/06	900.0	Primary	
RD-59B		02/22/06	901.1	Primary	
RD-59B		02/22/06	903.1	Primary	
RD-59B		02/22/06	904.0	Primary	
RD-59B		02/22/06	906.0	Primary	
RD-59B		02/22/06	General Minerals	Primary	
RD-59B		08/23/06	6010B	Primary	
RD-59B		08/23/06	6020	Primary	
RD-59B		08/23/06	7470A	Primary	
RD-59B		08/23/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-59B		08/23/06	900.0	Primary	
RD-59B		08/23/06	903.1	Primary	
RD-59B		08/23/06	904.0	Primary	
RD-59B		08/23/06	906.0	Primary	
RD-59B		11/14/06	8260B	Primary	
RD-59B		11/14/06	901.1	Primary	
RD-59B		11/14/06	906.0	Primary	
RD-59C		02/22/06	314.0	Primary	
RD-59C		02/22/06	6010B	Primary	
RD-59C		02/22/06	6020	Primary	
RD-59C		02/22/06	7470A	Primary	
RD-59C		02/22/06	8260B	Primary	
RD-59C		02/22/06	900.0	Primary	
RD-59C		02/22/06	900.0	Split	
RD-59C		02/22/06	901.1	Primary	
RD-59C		02/22/06	901.1	Split	
RD-59C		02/22/06	903.1	Primary	
RD-59C		02/22/06	903.1	Split	
RD-59C		02/22/06	904.0	Primary	
RD-59C		02/22/06	904.0	Split	
RD-59C		02/22/06	906.0	Primary	
RD-59C		02/22/06	906.0	Split	
RD-59C		02/22/06	General Minerals	Primary	
RD-59C		08/23/06	6010B	Primary	
RD-59C		08/23/06	6020	Primary	
RD-59C		08/23/06	7470A	Primary	
RD-59C		08/23/06	8260B	Primary	
RD-59C		08/23/06	900.0	Primary	
RD-59C		08/23/06	903.1	Primary	
RD-59C		08/23/06	904.0	Primary	
RD-59C		08/23/06	906.0	Primary	
RD-59C		11/14/06	8260B	Primary	
RD-59C		11/14/06	901.1	Primary	
RD-59C		11/14/06	906.0	Primary	
RD-60		02/07/06	8015M (GRO)	Primary	
RD-60		02/07/06	8260B	Primary	
RD-60		05/24/06	6010B	Primary	
RD-60		05/24/06	6020	Primary	
RD-60		05/24/06	7470A	Primary	
RD-60		08/30/06	6010B	Primary	
RD-60		08/30/06	6020	Primary	
RD-60		08/30/06	7470A	Primary	
RD-60		08/30/06	8260B	Primary	
RD-61		02/07/06	8260B	Primary	
RD-61		05/31/06	8260B	Primary	
RD-61		08/31/06	8260B	Primary	
RD-61		08/31/06	8260B	Dup	
RD-61		08/31/06	8260B	Split	
RD-61		10/31/06	8260B	Primary	
RD-62		02/22/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-62		05/23/06	8260B	Primary	
RD-62		08/24/06	8260B	Primary	
RD-62		11/10/06	8260B	Primary	
RD-62		11/10/06	8260B	Dup	
RD-62		12/15/06	8260B	Primary	
RD-62		12/15/06	8260B	Dup	
RD-62		12/15/06	8260B	Split	
RD-63		02/16/06	8260B	Primary	
RD-63		02/16/06	900.0	Primary	
RD-63		02/16/06	901.1	Primary	
RD-63		02/16/06	903.1	Primary	
RD-63		02/16/06	904.0	Primary	
RD-63		02/16/06	906.0	Primary	
RD-63		08/09/06	8260B	Primary	
RD-63		08/09/06	900.0	Primary	
RD-63		08/09/06	900.0	Split	
RD-63		08/09/06	903.1	Primary	
RD-63		08/09/06	903.1	Split	
RD-63		08/09/06	904.0	Primary	
RD-63		08/09/06	904.0	Split	
RD-64	Z6	02/16/06	8260B	Primary	
RD-64	Z6	02/16/06	900.0	Primary	
RD-64	Z6	02/16/06	901.1	Primary	
RD-64	Z6	02/16/06	903.1	Primary	
RD-64	Z6	02/16/06	904.0	Primary	
RD-64	Z6	02/16/06	906.0	Primary	
RD-64	Z6	02/16/06	908.0	Primary	
RD-64	Z6	08/17/06	900.0	Primary	
RD-64	Z6	08/17/06	903.1	Primary	
RD-64	Z6	08/17/06	904.0	Primary	
RD-64	Z6	08/17/06	908.0	Primary	
RD-65	Z5	02/16/06	8260B	Primary	
RD-66		02/21/06	314.0	Primary	
RD-66		02/21/06	8260B	Primary	
RD-66		02/21/06	General Minerals	Primary	
RD-66		05/19/06	8260B	Primary	
RD-66		08/23/06	8260B	Primary	
RD-66		11/14/06	8260B	Primary	
RD-67		02/06/06	8260B	Primary	
RD-67		08/21/06	8260B	Primary	
RD-68A		02/23/06	314.0	Primary	
RD-68A		02/23/06	8260B	Primary	
RD-68A		02/23/06	General Minerals	Primary	
RD-68A		05/23/06	8260B	Primary	
RD-68A		08/23/06	8260B	Primary	
RD-68A		11/14/06	8260B	Primary	
RD-68B		02/23/06	314.0	Primary	
RD-68B		02/23/06	8260B	Primary	
RD-68B		02/23/06	General Minerals	Primary	
RD-68B		05/23/06	8260B	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-68B		08/23/06	8260B	Primary	
RD-68B		11/14/06	8260B	Primary	
RD-69		02/28/06	8260B	Primary	
RD-69		09/01/06	8260B	Primary	
RD-70		02/03/06	314.0	Primary	
RD-70		02/03/06	8260B	Primary	
RD-70		02/03/06	General Minerals	Primary	
RD-70		05/24/06	8260B	Primary	
RD-70		08/15/06	8260B	Primary	
RD-70		08/15/06	8260B	Dup	
RD-70		08/15/06	8260B	Split	
RD-70		10/27/06	8260B	Primary	
RD-71		02/22/06	314.0	Primary	
RD-71		02/22/06	8260B	Primary	
RD-71		02/22/06	General Minerals	Primary	
RD-71		05/19/06	8260B	Primary	
RD-71		08/23/06	8260B	Primary	
RD-71		11/14/06	8260B	Primary	
RD-72	Z4	08/17/06	6010B	Primary	
RD-72	Z4	08/17/06	6020	Primary	
RD-72	Z4	08/17/06	7470A	Primary	
RD-72	Z4	08/17/06	8260B	Primary	
RD-73		02/15/06	300.0-Bromide	Primary	
RD-73		02/15/06	314.0	Primary	
RD-73		05/09/06	300.0-Bromide	Primary	
RD-73		05/09/06	314.0	Primary	
RD-73		05/09/06	8015M (GRO)	Primary	
RD-73		05/09/06	8260B	Primary	
RD-73		05/09/06	8260B	Dup	
RD-73		05/09/06	8260B	Split	
RD-73		08/17/06	300.0-Bromide	Primary	
RD-73		08/17/06	314.0	Primary	
RD-73		08/17/06	8082	Primary	
RD-73		11/02/06	300.0-Bromide	Primary	
RD-73		11/02/06	314.0	Primary	
RD-75		02/14/06	314.0	Primary	
RD-75		02/14/06	General Minerals	Primary	
RD-75		11/08/06	6010B	Primary	
RD-75		11/08/06	6020	Primary	
RD-75		11/08/06	7470A	Primary	
RD-77		02/08/06	300.0-Bromide	Primary	
RD-77		02/08/06	314.0	Primary	
RD-77		02/08/06	General Minerals	Primary	
RD-77		05/09/06	300.0-Bromide	Primary	
RD-77		05/09/06	314.0	Primary	
RD-77		08/17/06	1625M	Primary	
RD-77		08/17/06	300.0-Bromide	Primary	
RD-77		08/17/06	314.0	Primary	
RD-77		08/17/06	6010B	Primary	
RD-77		08/17/06	6020	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-77		08/17/06	7470A	Primary	
RD-77		08/17/06	8082	Primary	
RD-77		08/17/06	8270C	Primary	
RD-77		11/02/06	300.0-Bromide	Primary	
RD-77		11/02/06	314.0	Primary	
RD-77		11/02/06	6010B	Primary	
RD-77		11/02/06	6020	Primary	
RD-77		11/02/06	7470A	Primary	
RD-78		02/15/06	314.0	Primary	
RD-78		02/15/06	General Minerals	Primary	
RD-78		08/11/06	6010B	Primary	
RD-78		08/11/06	6020	Primary	
RD-78		08/11/06	7470A	Primary	
RD-78		11/14/06	6010B	Primary	
RD-78		11/14/06	6020	Primary	
RD-78		11/14/06	7470A	Primary	
RD-80		02/15/06	314.0	Primary	
RD-80		02/15/06	General Minerals	Primary	
RD-80		05/18/06	6010B	Primary	
RD-80		05/18/06	6020	Primary	
RD-80		05/18/06	7470A	Primary	
RD-80		08/14/06	6010B	Primary	
RD-80		08/14/06	6020	Primary	
RD-80		08/14/06	7470A	Primary	
RD-80		11/08/06	6010B	Primary	
RD-80		11/08/06	6020	Primary	
RD-80		11/08/06	7470A	Primary	
RD-80		11/08/06	8015B (EFH)	Primary	
RD-81		02/15/06	314.0	Primary	
RD-81		02/15/06	General Minerals	Primary	
RD-81		05/19/06	6010B	Primary	
RD-81		05/19/06	6020	Primary	
RD-81		05/19/06	7470A	Primary	
RD-81		05/25/06	8015M (EFH)	Primary	
RD-81		08/15/06	6010B	Primary	
RD-81		08/15/06	6020	Primary	
RD-81		08/15/06	7470A	Primary	
RD-82		02/23/06	314.0	Primary	
RD-82		02/23/06	General Minerals	Primary	
RD-82		05/24/06	6010B	Primary	
RD-82		05/24/06	6020	Primary	
RD-82		05/24/06	7470A	Primary	
RD-82		05/24/06	8015M (EFH)	Primary	
RD-82		08/28/06	6010B	Primary	
RD-82		08/28/06	6020	Primary	
RD-82		08/28/06	7470A	Primary	
RD-83		02/20/06	314.0	Primary	
RD-83		02/20/06	General Minerals	Primary	
RD-83		05/18/06	6010B	Primary	
RD-83		05/18/06	6020	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
RD-83		05/18/06	7470A	Primary	
RD-83		05/18/06	8015M (EFH)	Primary	
RD-83		05/25/06	8290	Primary	
RD-83		08/15/06	6010B	Primary	
RD-83		08/15/06	6020	Primary	
RD-83		08/15/06	7470A	Primary	
RD-84		02/08/06	314.0	Primary	
RD-84		02/08/06	General Minerals	Primary	
RD-86		03/16/06	1625M	Primary	
RD-86		03/16/06	300.0-Fluoride	Primary	
RD-86		03/16/06	300.0-Sulfate	Primary	
RD-86		03/16/06	314.0	Primary	
RD-86		03/16/06	6010B	Primary	
RD-86		03/16/06	6020	Primary	
RD-86		03/16/06	7196A	Primary	
RD-86		03/16/06	7470A	Primary	
RD-86		03/16/06	8270C	Primary	
RD-86		08/25/06	6010B	Primary	
RD-86		08/25/06	6020	Primary	
RD-86		08/25/06	7470A	Primary	
RD-86		11/16/06	8260B	Primary	
RD-92		03/16/06	300.0-Fluoride	Primary	
RD-92		03/16/06	300.0-Sulfate	Primary	
RD-92		03/16/06	6010B	Primary	
RD-92		03/16/06	6020	Primary	
RD-92		03/16/06	7470A	Primary	
RD-92		08/25/06	8260B	Primary	
RD-96		05/09/06	8260B	Primary	
RD-96		05/09/06	900.0	Primary	Unfiltered
RD-96		05/09/06	901.1	Primary	Unfiltered
RD-96		05/09/06	906.0	Primary	Unfiltered
RD-96		05/09/06	903.1	Primary	Unfiltered
RD-96		05/09/06	904.0	Primary	Unfiltered
RD-96		05/09/06	908.0	Primary	Unfiltered
RD-96		05/09/06	900.0	Primary	Filtered
RD-96		05/09/06	901.1	Primary	Filtered
RD-97		05/09/06	903.1	Primary	Unfiltered
RD-97		05/09/06	904.0	Primary	Unfiltered
RD-97		05/09/06	908.0	Primary	Unfiltered
RD-97		05/09/06	8260B	Primary	
RD-97		05/09/06	900.0	Primary	Unfiltered
RD-97		05/09/06	901.1	Primary	Unfiltered
RD-97		05/09/06	906.0	Primary	Unfiltered
RD-97		05/09/06	900.0	Primary	Filtered
RD-97		05/09/06	901.1	Primary	Filtered
HAR-01		05/18/06	SRL 524M-TCP	Primary	
HAR-01		05/18/06	SRL 524M-TCP	Split	
HAR-01		05/18/06	SRL 524M-TCP	Dup	
HAR-06		08/24/06	6010B	Primary	
HAR-06		08/24/06	6020	Primary	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
HAR-06		08/24/06	7470A	Primary	
HAR-06		11/14/06	6010B	Primary	
HAR-06		11/14/06	6020	Primary	
HAR-06		11/14/06	7470A	Primary	
HAR-07		02/14/06	COCs	Primary	
HAR-07		02/14/06	1625M	Dup	
HAR-07		02/14/06	314.0	Primary	
HAR-07		02/14/06	8260B	Dup	
HAR-07		05/11/06	App IX	Primary	
HAR-07		05/11/06	COCs	Primary	
HAR-07		05/11/06	314.0	Primary	
HAR-07		05/11/06	1625M	Dup	
HAR-07		05/11/06	8260SIM	Dup	
HAR-07		05/11/06	8260SIM	Split	
HAR-07		08/15/06	COCs	Primary	
HAR-07		08/15/06	1625M	Dup	
HAR-07		08/15/06	314.0	Primary	
HAR-07		08/15/06	6010B	Primary	
HAR-07		08/15/06	6020	Primary	
HAR-07		08/15/06	7470A	Primary	
HAR-07		08/15/06	8260SIM	Dup	
HAR-07		08/15/06	8260SIM	Split	
HAR-07		11/08/06	COCs	Primary	
HAR-07		11/08/06	314.0	Primary	
HAR-08		02/14/06	COCs	Primary	
HAR-08		02/14/06	314.0	Primary	
HAR-08		02/14/06	8260SIM	Dup	
HAR-08		02/14/06	8260SIM	Split	
HAR-08		05/11/06	COCs	Primary	
HAR-08		05/11/06	314.0	Primary	
HAR-08		05/11/06	1625M	Dup	
HAR-08		08/15/06	COCs	Primary	
HAR-08		08/15/06	1625M	Dup	
HAR-08		08/15/06	314.0	Primary	
HAR-08		11/09/06	COCs	Primary	
HAR-08		11/09/06	314.0	Primary	
HAR-16		05/10/06	App IX	Primary	
HAR-16		05/10/06	1625M	Dup	
HAR-16		05/10/06	SRL 524M-TCP	Split	
HAR-16		05/10/06	SRL 524M-TCP	Dup	
HAR-16		08/17/06	6010B	Primary	
HAR-16		08/17/06	6020	Primary	
HAR-16		08/17/06	7470A	Primary	
HAR-16		08/17/06	8015M (EFH)	Primary	
HAR-16		08/17/06	8315	Primary	
HAR-16		11/02/06	8260B	Primary	
HAR-17		05/10/06	App IX	Primary	
HAR-17		05/10/06	1625M	Dup	
HAR-17		09/01/06	8270C	Primary	
HAR-17		09/01/06	8270C	Dup	

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Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
HAR-17		09/01/06	8270C	Split	
HAR-17		09/01/06	SRL 524M-TCP	Primary	
HAR-17		09/01/06	SRL 524M-TCP	Dup	
HAR-17		11/14/06	8260B	Primary	
HAR-18		11/09/06	COCs	Primary	
HAR-18		11/09/06	314.0	Primary	
HAR-18		12/15/06	8260B	Primary	
HAR-19		05/23/06	6010B	Primary	
HAR-19		05/23/06	6020	Primary	
HAR-19		05/23/06	7470A	Primary	
HAR-19		05/23/06	8082	Primary	
HAR-19		11/15/06	6010B	Primary	
HAR-19		11/15/06	6020	Primary	
HAR-19		11/15/06	7470A	Primary	
HAR-19		11/15/06	8290	Primary	
HAR-20		02/22/06	COCs	Primary	
HAR-20		02/22/06	1625M	Dup	
HAR-20		02/22/06	314.0	Primary	
HAR-20		05/16/06	COCs	Primary	
HAR-20		05/16/06	314.0	Primary	
HAR-20		05/16/06	1625M	Dup	
HAR-20		08/31/06	COCs	Primary	
HAR-20		08/31/06	1625M	Dup	
HAR-20		08/31/06	314.0	Primary	
HAR-20		08/31/06	314.0	Dup	
HAR-20		08/31/06	314.0	Split	
HAR-20		11/15/06	COCs	Primary	
HAR-20		11/15/06	314.0	Primary	
HAR-21		05/25/06	6010B	Primary	
HAR-21		05/25/06	6020	Primary	
HAR-21		05/25/06	7470A	Primary	
HAR-21		12/15/06	8260B	Primary	
HAR-22		02/14/06	8260B	Primary	
HAR-22		08/22/06	8260B	Primary	
HAR-22		08/22/06	8260B	Dup	
HAR-23		02/16/06	1625M	Primary	
HAR-23		02/16/06	1625M	Dup	
HAR-23		02/16/06	1625M	Split	
HAR-23		02/16/06	1625M	Split	
HAR-23		02/16/06	8260B	Primary	
HAR-23		08/29/06	8260B	Primary	
HAR-23		10/27/06	8260B	Primary	
HAR-23		10/27/06	8260B	Dup	
HAR-24		02/08/06	300.0-Bromide	Primary	
HAR-24		02/08/06	314.0	Primary	
HAR-24		02/08/06	8260B	Primary	
HAR-24		05/23/06	300.0-Bromide	Primary	
HAR-24		05/23/06	314.0	Primary	
HAR-24		05/23/06	SRL 524M-TCP	Primary	
HAR-24		08/30/06	300.0-Bromide	Primary	

See last page of Table B-II for notes and abbreviations.

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SUMMARY OF SAMPLING AND ANALYSES FOR WELLS AND SPRINGS
QUARTERLY GROUNDWATER MONITORING PROGRAM, 2006
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
HAR-24		08/30/06	314.0	Primary	
HAR-24		08/30/06	6010B	Primary	
HAR-24		08/30/06	6020	Primary	
HAR-24		08/30/06	7470A	Primary	
HAR-24		08/30/06	8015M (EFH)	Primary	
HAR-24		08/30/06	8260B	Primary	
HAR-24		08/30/06	8290	Primary	
HAR-24		08/30/06	8315	Primary	
HAR-24		11/07/06	300.0-Bromide	Primary	
HAR-24		11/07/06	314.0	Primary	
HAR-24		11/07/06	6010B	Primary	
HAR-24		11/07/06	6020	Primary	
HAR-24		11/07/06	7470A	Primary	
HAR-24		11/07/06	8082	Primary	
HAR-25		02/09/06	300.0-Bromide	Primary	
HAR-25		02/09/06	314.0	Primary	
HAR-25		05/10/06	300.0-Bromide	Primary	
HAR-25		05/10/06	314.0	Primary	
HAR-25		05/10/06	SRL 524M-TCP	Primary	
HAR-25		08/30/06	1625M	Primary	
HAR-25		08/30/06	1625M	Dup	
HAR-25		08/30/06	300.0-Bromide	Primary	
HAR-25		08/30/06	314.0	Primary	
HAR-25		08/30/06	6010B	Primary	
HAR-25		08/30/06	6020	Primary	
HAR-25		08/30/06	7470A	Primary	
HAR-25		08/30/06	8082	Primary	
HAR-25		11/07/06	300.0-Bromide	Primary	
HAR-25		11/07/06	314.0	Primary	
HAR-25		11/07/06	6010B	Primary	
HAR-25		11/07/06	6020	Primary	
HAR-25		11/07/06	7470A	Primary	
HAR-25		11/07/06	8270C	Primary	
HAR-26		02/09/06	8260B	Primary	
HAR-26		08/31/06	8260B	Primary	
WS-04A		02/23/06	314.0	Primary	
WS-04A		02/23/06	8260B	Primary	
WS-04A		02/23/06	General Minerals	Primary	
WS-04A		08/24/06	8260B	Primary	
WS-05		02/13/06	COCs	Primary	
WS-05		02/13/06	314.0	Primary	
WS-05		05/18/06	COCs	Primary	
WS-05		05/18/06	314.0	Primary	
WS-05		05/18/06	314.0	Split	
WS-05		05/18/06	8260B	Dup	
WS-05		08/24/06	COCs	Primary	
WS-05		08/24/06	314.0	Primary	
WS-05		11/07/06	COCs	Primary	
WS-05		11/07/06	314.0	Primary	
WS-06		06/01/06	COCs	Primary	

See last page of Table B-II for notes and abbreviations.

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 QUARTERLY GROUNDWATER MONITORING PROGRAM, 2006
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
WS-06		06/01/06	314.0	Primary	
WS-06		08/16/06	COCs	Primary	
WS-06		08/16/06	314.0	Primary	
WS-06		08/16/06	8260B	Dup	
WS-06		08/16/06	8260B	Split	
WS-06		11/09/06	COCs	Primary	
WS-06		11/09/06	314.0	Primary	
WS-09		06/01/06	COCs	Primary	
WS-09		06/01/06	314.0	Primary	
WS-09		08/16/06	COCs	Primary	
WS-09		08/16/06	314.0	Primary	
WS-09		08/16/06	8260SIM	Split	
WS-09		11/08/06	COCs	Primary	
WS-09		11/08/06	314.0	Primary	
WS-09A		05/30/06	8260B	Primary	
WS-09A		08/22/06	COCs	Primary	
WS-09A		08/22/06	1625M	Dup	
WS-09A		08/22/06	314.0	Primary	
WS-09A		08/22/06	8260B	Dup	
WS-09A		11/09/06	COCs	Primary	
WS-09A		11/09/06	314.0	Primary	
WS-09B		05/23/06	314.0	Primary	
WS-09B		05/23/06	General Minerals	Primary	
WS-12		02/08/06	314.0	Primary	
WS-12		02/08/06	General Minerals	Primary	
WS-13		02/08/06	314.0	Primary	
WS-13		02/08/06	General Minerals	Primary	
WS-14		02/06/06	314.0	Primary	
WS-14		02/06/06	General Minerals	Primary	
OS-02		02/22/06	314.0	Primary	
OS-02		02/22/06	8260B	Primary	
OS-02		02/22/06	General Minerals	Primary	
OS-03		02/22/06	314.0	Primary	
OS-03		02/22/06	General Minerals	Primary	
OS-04		02/22/06	314.0	Primary	
OS-04		02/22/06	8260B	Primary	
OS-04		02/22/06	General Minerals	Primary	
OS-09		02/23/06	314.0	Primary	
OS-09		02/23/06	8260B	Primary	
OS-09		02/23/06	General Minerals	Primary	
OS-09		02/23/06	Deuterium	Primary	
OS-09		02/23/06	Oxygen-18	Primary	
OS-09		05/23/06	314.0	Primary	
OS-09		05/23/06	General Minerals	Primary	
OS-09		05/23/06	Deuterium	Primary	
OS-09		05/23/06	Oxygen-18	Primary	
OS-09		09/01/06	8260B	Primary	
OS-09		11/15/06	314.0	Primary	
OS-09		11/15/06	General Minerals	Primary	
OS-09		11/15/06	Deuterium	Primary	

See last page of Table B-II for notes and abbreviations.

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QUARTERLY GROUNDWATER MONITORING PROGRAM, 2006
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
OS-09		11/15/06	Oxygen-18	Primary	
OS-09R	P1	07/27/06	314.0	Primary	
OS-09R	P1	07/27/06	General Minerals	Primary	
OS-09R	P2	07/27/06	314.0	Primary	
OS-09R	P2	07/27/06	General Minerals	Primary	
OS-09R	P3	07/27/06	314.0	Primary	
OS-09R	P3	07/27/06	General Minerals	Primary	
OS-09R	P4	07/27/06	314.0	Primary	
OS-09R	P4	07/27/06	314.0	Dup	
OS-09R	P4	07/27/06	General Minerals	Primary	
OS-09R	P4	07/27/06	General Minerals	Dup	
OS-09R	P5	07/27/06	314.0	Primary	
OS-09R	P5	07/27/06	General Minerals	Primary	
OS-09R	P6	07/27/06	314.0	Primary	
OS-09R	P6	07/27/06	General Minerals	Primary	
OS-09R	P7	07/27/06	314.0	Primary	
OS-09R	P7	07/27/06	General Minerals	Primary	
OS-09R	P8	07/27/06	314.0	Primary	
OS-09R	P8	07/27/06	General Minerals	Primary	
OS-09R	P9	07/27/06	314.0	Primary	
OS-09R	P9	07/27/06	General Minerals	Primary	
OS-09R	P10	07/26/06	314.0	Primary	
OS-09R	P10	07/26/06	General Minerals	Primary	
OS-09R	P11	07/26/06	314.0	Primary	
OS-09R	P11	07/26/06	General Minerals	Primary	
OS-09R	P12	07/26/06	314.0	Primary	
OS-09R	P12	07/26/06	General Minerals	Primary	
OS-09R	P13	07/26/06	314.0	Primary	
OS-09R	P13	07/26/06	General Minerals	Primary	
OS-09R	P14	07/26/06	314.0	Primary	
OS-09R	P14	07/26/06	General Minerals	Primary	
OS-09R	P15	07/26/06	314.0	Primary	
OS-09R	P15	07/26/06	General Minerals	Primary	
OS-09R	P16	07/26/06	314.0	Primary	
OS-09R	P16	07/26/06	General Minerals	Primary	
OS-10		02/23/06	314.0	Primary	
OS-10		02/23/06	General Minerals	Primary	
OS-16		02/27/06	314.0	Primary	
OS-16		02/27/06	8260B	Primary	
OS-16		02/27/06	General Minerals	Primary	
OS-17		02/21/06	314.0	Primary	
OS-17		02/21/06	8260B	Primary	
OS-17		02/21/06	General Minerals	Primary	
OS-17		08/31/06	314.0	Primary	
OS-17		08/31/06	8260B	Primary	
OS-26		02/27/06	314.0	Primary	
OS-26		02/27/06	8260B	Primary	
OS-26		02/27/06	General Minerals	Primary	
OS-26		08/29/06	8260B	Primary	
OS-27		08/31/06	314.0	Primary	

See last page of Table B-II for notes and abbreviations.

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TABLE B-II
SUMMARY OF SAMPLING AND ANALYSES FOR WELLS AND SPRINGS
QUARTERLY GROUNDWATER MONITORING PROGRAM, 2006
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Port Number	Date Sampled	Analysis Method	Sample Type	Comments
OS-27		08/31/06	8260B	Primary	
OS-27		08/31/06	General Minerals	Primary	
OS-28		02/21/06	1625M	Primary	
OS-28		02/21/06	314.0	Primary	
OS-28		02/21/06	8260B	Primary	
OS-28		02/21/06	General Minerals	Primary	
OS-28		08/31/06	1625M	Primary	
OS-28		08/31/06	314.0	Primary	
OS-28		08/31/06	8260B	Primary	

See last page of Table B-II for notes and abbreviations.

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TABLE B-II
NOTES AND ABBREVIATIONS

Primary	=	Primary sample.
Dup	=	Sample duplicate.
Split	=	Sample split.
Z	=	FLUTe sample port number.
P	=	Westbay sample port number.

OS-09R samples were collected by MWH.

ANALYTICAL METHODS

120.1	=	EPA method 120.1 for specific conductance.
150.1	=	EPA method 150.1 for pH.
160.1	=	EPA method 160.1 for total dissolved solids.
SM2320B	=	EPA method SM2320B for alkalinity as CaCO ₃ , bicarbonate, and carbonate.
1625M	=	N-Nitrosodimethylamine, modified EPA method 1625.
200.7	=	EPA method 200.7 for calcium, magnesium, potassium, and sodium.
300.0	=	EPA method 300.0 for inorganics. Table B-II includes: 300.0-Bromide 300.0-Flouride 300.0-Nitrate-NO ₃ 300.0-Nitrite-N 300.0-Sulfate
314.0	=	Perchlorate, EPA method 314.0.
350.3	=	EPA method 350.3 for ammonia as nitrogen.
376.2	=	EPA method 376.2 for sulfide.
504.1	=	EPA method 504.1 for DBCP, EDB.
SRL 524M-TCP	=	SRL method 524M-TCP for 1,2,3-Trichloropropane.
6010B	=	EPA method 6010B for dissolved tin and iron.
6020	=	Dissolved trace metals including aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc using EPA method 6020.
7196A	=	EPA method 7196A for hexavalent chromium.
7470A	=	EPA method 7470A for mercury.
8015M (GRO)	=	EPA method 8015 modified for gasoline range organics.
8015B (GRO)	=	EPA method 8015 revised for gasoline range organics.
8015M (EFH)	=	EPA method 8015 modified for extractable fuel hydrocarbons.
8015B (EFH)	=	EPA method 8015 revised for extractable fuel hydrocarbons.
8081A	=	EPA method 8081A for pesticides.
8082	=	EPA method 8082 for polychlorinated biphenyls (PCBs).
8141A	=	EPA method 8141A for organophosphorus pesticides.
8151A	=	EPA method 8151A for herbicides.
8260B	=	EPA method 8260B for volatile organic compounds.
8260SIM	=	1,4-Dioxane, EPA method 8260SIM.
8270C	=	EPA method 8270C for base/neutral and acid organic compounds.
8270M	=	EPA method 8270B for pentachlorophenol.
8315	=	EPA method 8315 for formaldehyde.
8290	=	EPA method 8290 for dioxins and furans.
9014	=	Cyanide, EPA method 9014.
App IX	=	Appendix IX, see below.

COCs	=	Constituents of concern (table 3 of post-closure permits plus 1,3-dinitrobenzene). Includes EPA methods 8260B, 8260SIM, 8270C, 1625M, 8315, 300.0 for nitrate and fluoride, and 350.3.
Deuterium	=	Mass spectrometry of stable isotope deuterium.
Oxygen-18	=	Mass spectrometry of stable isotope oxygen-18.
General Minerals	=	General minerals, including calcium, magnesium, potassium, sodium, bicarbonate, carbonate, chloride, nitrate, sulfate, total dissolved solids, pH, and specific conductance. Includes EPA methods 6010B, 300.0, 160.1, 150.1, 120.1 and method SM2320B. OS-09R general minerals include calcium, magnesium, potassium, sodium, alkalinity as CaCO ₃ , bromide, chloride, fluoride, nitrate, nitrite, and sulfate. Includes EPA methods 200.7, SM2320B, and 300.0.

APPENDIX IX CONSTITUENTS

The laboratory uses the most current methods which may be updated from methods listed in Appendix IX (California Code of Regulations(22 CCR), Title 22, Sections 66264.800 through 66264.801, Appendix IX, Ground-water Monitoring List).

APPENDIX IX analyses include:

- EPA method 8260B for volatile organic compounds
- EPA method 8270C for base/neutral and acid organic compounds
- EPA method 8081A for organochlorine pesticides
- EPA method 8082 for polychlorinated biphenyls (PCBs)
- EPA method 8141A for organophosphorous pesticides
- EPA method 8151A for chlorinated herbicides
- EPA method 6010B/6020 for metals (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, Sn, V, Zn)
- EPA method 504.1 for SRL method 524M for 1,2-dibromoethane (EDB) and 1,2-dibromo-3-chloropropane (DBCP)
- EPA method 7470A for mercury
- EPA method 9014 for total cyanide
- EPA method 376.2 for sulfide
- Modified EPA method 8270 for pentachlorophenol
- Modified EPA method 1625 for N-nitrosodimethylamine
- EPA method 8290 for dioxins and furans
- SRL 524M-TCP for 1,2,3-trichloropropane

Radiochemical Parameters

- | | | |
|-------|---|---|
| 900.0 | = | EPA method 900.0 for gross alpha and beta radioactivity |
| 901.1 | = | EPA method 901.1 for gamma-emitting radionuclides |
| 903.1 | = | EPA method 903.1 for Ra-226 |
| 904.0 | = | EPA method 904.0 for Ra-228 |
| 905.0 | = | EPA method 905.0 for Sr-90 |
| 906.0 | = | EPA method 906.0 for tritium |
| 907.0 | = | EPA method 907.0 for isotopic thorium |
| 908.0 | = | EPA method 908.0 for isotopic uranium |

Note: An equivalent or superior in-house laboratory procedure is considered acceptable for EPA methodology. Lab used the most current promulgated version of each EPA method.

Select radiochemistry analyses were performed per EPA drinking water regulations:

- 1) if gross alpha activity exceeded 15 pCi/l, then isotopic uranium was analyzed by EPA method 908.0;
- 2) if gross beta activity exceeded 50 pCi/l, then K-40 and Sr-90 were analyzed by EPA methods 901.1 and 905.0, respectively.

APPENDIX C

Monitor Well Construction Data

TABLE C-1

WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
Shallow Wells										
SH-01	III	10	16	0 - 10	4	0 - 10	0 - 5	5.5 - 10	1772.84	12/11/84
SH-02	III	10.6	16	0 - 10.6	4	0 - 10.6	0 - 5	6 - 10.6	1762.76	12/11/84
SH-03	III	9.5	16	0 - 9.5	4	0 - 9.5	0 - 4.6	5 - 9.5	1762.53	12/12/84
SH-04	III	17	16	0 - 17	4	0 - 13	0 - 8	9 - 13	1765.08	12/12/84
SH-05	III	10.5	16	0 - 10.5	4	0 - 10.5	0 - 5.6	6 - 10.5	1762.97	12/13/84
SH-06	III	11.5	16	0 - 11.5	4	0 - 11.5	0 - 6.2	7 - 11.5	1776.99	12/17/84
SH-07	III	13.5	16	0 - 13.5	4	0 - 13.5	0 - 8.5	9.5 - 13.5	1775.11	01/16/85
SH-08	III	12	16	0 - 12	4	0 - 11.4	0 - 5.2	5.9 - 11.4	1763.25	01/17/85
SH-09	III	9	16	0 - 9	4	0 - 9	0 - 3.5	4 - 9	1761.19	01/18/85
SH-10	III	8	16	0 - 8	4	0 - 7.5	0 - 2	3 - 7.5	1757.69	01/18/85
SH-11	III	17.5	16	0 - 17.5	4	0 - 17.5	0 - 11	13 - 17.5	1756.00	01/16/85
RS-01	I	24.5	16	0 - 24.5	4	0 - 24.5	0 - 12.5	14.5 - 24.5	1879.68	06/08/85
RS-02	I	26	16	0 - 26	4	0 - 26	0 - 15	16 - 26	1901.08	06/08/85
RS-03	I	21	16	0 - 21	4	0 - 21	0 - 10	11 - 21	1834.22	06/08/85
RS-04	I	30	16	0 - 30	4	0 - 30	0 - 18	20 - 30	1826.56	06/08/85
RS-05	I	20	16	0 - 20	4	0 - 20	0 - 7.5	10 - 20	1783.73	06/07/85
RS-06	I	18	16	0 - 18	4	0 - 18	0 - 7	8 - 18	1757.43	06/07/85
RS-07	I	7.5	16	0 - 7.5	4	0 - 7.5	0 - 1.6	2.5 - 7.5	1732.27	06/07/85
RS-08	II	12.5	16	0 - 12.5	4	0 - 12.5	0 - 5	7 - 12.5	1821.57	06/09/85
RS-09	III	26.2	16	0 - 26.2	4	0 - 26.2	0 - 14.2	16 - 26.2	1735.52	09/11/85
RS-10	II	17	16	0 - 17	4	0 - 17	0 - 6	7.3 - 17	1762.08	06/10/85
RS-11	IV	17.5	16	0 - 17.5	4	0 - 17.5	0 - 9	10 - 17.5	1790.39	06/10/85
RS-12	III	15.3	16	0 - 15.3	4	0 - 15.3	0 - 4	5 - 15.3	1727.48	06/09/85
RS-13	II	22.8	16	0 - 22.8	4	0 - 22.8	0 - 15	17 - 22.8	1644.20	06/11/85
RS-14	III	16	16	0 - 16	4	0 - 16	0 - 5	6 - 16	1734.78	06/09/85
RS-15	III	12	16	0 - 12	4	0 - 12	0 - 4.5	5 - 12	1764.86	06/10/85
RS-16	IV	20.5	16	0 - 20.5	4	0 - 20.5	0 - 14.5	16.5 - 20.5	1811.05	06/11/85
RS-17	III	16	16	0 - 16	4	0 - 16	0 - 4	6.4 - 16	1766.52	06/10/85
RS-18	IV	13	16	0 - 13	4	0 - 13	0 - 6	7.5 - 13	1802.86	06/12/85
RS-19	I	15	16	0 - 15	4	0 - 15	0 - 4.8	4.8 - 15	1812.42	09/12/85

See last page of Table C-1 for notes and abbreviations.

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TABLE C-I

WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RS-20	I	20.5	16	0 - 20.5	4	0 - 20.5	0 - 8.5	10.5 - 20.5	1823.77	09/12/85
RS-21	II	29	16	0 - 29	4	0 - 24.6	0 - 3.5	14.5 - 24.6	1767.36	10/23/85
RS-22	II	31	16	0 - 31	4	0 - 31	0 - 4	21 - 31	1771.23	10/23/85
RS-23	IV	13	12	0 - 13	4	0 - 13	0 - 6.8	8 - 13	1887.25	08/23/88
RS-24	IV	8.5	12	0 - 8.5	4	0 - 8.5	0 - 3	4 - 8.5	1809.24	08/25/88
RS-25	IV	13.5	Trenched	0 - 13.5	4	0 - 13.5	0 - 2	8.5 - 13.5	1862.71	08/25/88
RS-26	Destroyed July 1989 During Soils Removal									
RS-27	IV	9	8	0 - 9	4	0 - 9	0 - 3	5 - 9	1804.78	08/02/88
RS-28	IV	19	8	0 - 19	4	0 - 19	0 - 9	14 - 19	1768.59	08/17/89
RS-29	II	38	9-7/8	0 - 38	4	0 - 37.5	0 - 17	27 - 37.5	1833.09	02/20/93
RS-30	I	23	12	0 - 23	4	0 - 21	0 - 9	10.5 - 21	1909.01	03/20/91
RS-31	I	18	12	0 - 18	4	0 - 17.5	0 - 6	7 - 17.5	1909.03	03/19/91
RS-32	I	18	12	0 - 18	4	0 - 17	0 - 6	6.5 - 17	1908.99	03/19/91
RS-54	IV	38	11-1/4 5-7/8	0 - 7 7 - 38	6-1/4 ---	0 - 7 ---	0 - 7	Open Hole	1846.66	08/09/93
ES-01	I	26	15	0 - 26	6	(v)1.3 - 25.5	0 - 6	15.5 - 25.5	1782.20	10/20/86
ES-02	I	17.5	15	0 - 17.5	6	(v)1.5 - 16.7	0 - 4.8	6.7 - 16.7	1814.60	10/20/86
ES-03	I	27	15	0 - 27	6	(v)1.3 - 27	0 - 9.4	17 - 27	1783.39	10/21/86
ES-04	I	20	15	0 - 20	6	(v)1.4 - 20	0 - 4	5.8 - 20	1817.24	10/21/86
ES-05	I	19	15	0 - 19	6	(v)1.3 - 19	0 - 5.8	9 - 19	1818.13	10/21/86
ES-06	I	25	15	0 - 25	6	0 - 25	0 - 5.6	11.6 - 25	1825.41	11/04/86
ES-07	I	23.2	15	0 - 23.2	6	0 - 23.2	0 - 6.5	8.5 - 23.2	1826.53	11/05/86
ES-08	I	24.1	15	0 - 24.1	6	0.6 - 24.1	0 - 4.7	12.1 - 24.1	1826.60	11/05/86
ES-09	I	24.2	15	0 - 24.2	6	0 - 24.2	0 - 3.4	11.9 - 24.2	1827.80	11/05/86
ES-10	I	20	15	0 - 20	6	0 - 20	0 - 5	9.7 - 20	1829.46	11/05/86
ES-11	I	27	15	0 - 27	6	0 - 27	0 - 4.2	7.2 - 27	1835.07	11/06/86
ES-12	I	22.5	15	0 - 22.5	6	0 - 22.5	0 - 6.9	10.9 - 22.5	1838.19	11/06/86
ES-13	I	30	15	0 - 30	6	(v)1.2 - 23.6	0 - 3.1	6 - 23.6	1782.58	11/06/86
ES-14	III	24.6	15	0 - 24.6	6	0 - 23.5	0 - 9.4	12.9 - 23.5	1728.69	11/10/86
ES-15	III	24	15	0 - 24	6	0 - 24	0 - 10.8	13.5 - 24	1730.21	11/10/86
ES-16	III	24.8	15	0 - 24.8	6	0 - 24.8	0 - 4.3	8.1 - 24.8	1737.90	11/10/86

See last page of Table C-I for notes and abbreviations.

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WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
ES-17	III	28	15	0 - 28	6	0 - 28	0 - 7.9	10.4 - 28	1739.31	11/11/86
ES-18	II	35	15	0 - 35	6	0 - 26.9	0 - 9.1	12.9 - 26.9	1770.25	11/11/86
ES-19	II	33	15	0 - 33	6	0 - 26.3	0 - 6.3	10.3 - 26.3	1769.44	11/11/86
ES-20	II	35	15	0 - 35	6	0 - 23	0 - 3.5	9.8 - 23	1770.58	11/13/86
ES-21	II	35	12	0 - 35	6	0 - 35	0 - 2.2	15.8 - 35	1769.62	01/26/87
ES-22	II	35.5	12	0 - 35.5	6	0 - 35.5	0 - 5.2	17.5 - 35.5	1770.93	01/27/87
ES-23	III	20	12	0 - 20	6	0 - 20	0 - 2.4	10.6 - 20	1760.73	01/27/87
ES-24	III	30	12	0 - 30	6	0 - 30	0 - 11.7	18.3 - 30	1728.67	01/28/87
ES-25	III	35	12	0 - 35	6	0 - 35	0 - 9.2	19.5 - 35	1737.78	01/28/87
ES-26	III	35	12	0 - 35	6	0 - 34.5	0 - 8.7	17.5 - 34.5	1748.01	01/28/87
ES-27	III	35	12	0 - 35	6	0 - 35	0 - 9.5	15.3 - 35	1740.67	01/28/87
ES-28	III	21	12	0 - 21	6	0 - 21	0 - 1.7	8.9 - 21	1759.15	01/28/87
ES-29	III	28	12	0 - 28	6	0 - 28	0 - 8.4	11.6 - 28	1760.47	01/29/87
ES-30	III	25	12	0 - 25	6	0 - 25	0 - 5.5	10.1 - 25	1759.51	01/29/87
ES-31	IV	25	12	0 - 25	6	0 - 25	0 - 9.7	11.6 - 25	1787.01	01/29/87
ES-32	III	25	12	0 - 25	6	0 - 21.5	0 - 4.6	7.5 - 21.5	1740.65	01/29/87
HAR-02	I	30	8	0 - 30	4	(v)1.1 - 30	0 - 6.2	15.4 - 30	1886.38	05/12/87
HAR-03	I	30	8	0 - 30	4	0 - 30	0 - 6.2	14.7 - 30	1875.48	05/13/87
HAR-04	I	29	8	0 - 29	4	0 - 29	0 - 6.4	12.1 - 29	1873.40	05/13/87
HAR-09	II	30.5	8	0 - 30.5	4	0 - 30.5	0 - 5.9	16.1 - 30.5	1820.62	05/16/87
HAR-11	II	31	8	0 - 31	4	0 - 31	0 - 5	11.2 - 31	1827.90	05/16/87
HAR-12	III	30.5	8	0 - 30.5	4	0 - 30.5	0 - 3.5	15.5 - 30.5	1796.73	05/17/87
HAR-13	III	31.6	8	0 - 31.6	4	0 - 31.6	0 - 5.5	17.4 - 31.6	1801.18	05/17/87
HAR-14	III	40	8	0 - 40	4	0 - 40	0 - 5.5	11.8 - 40	1797.02	05/19/87
HAR-15	II	40	8	0 - 40	4	0 - 40	0 - 5	10.2 - 40	1809.69	05/19/87
HAR-27	II	40	8	0 - 40	4	0 - 40	0 - 3	21 - 40	1719.39	06/14/87
HAR-28	II	40	8	0 - 40	4	0 - 40	0 - 6	20 - 40	1720.17	06/14/87
HAR-29	II	40.2	8	0 - 40.2	4	0 - 40.2	0 - 7	20 - 40.2	1724.13	06/14/87
HAR-30	II	35	8	0 - 35	4	0 - 35	0 - 6.5	14 - 35	1806.47	06/15/87
HAR-31	II	40	8	0 - 40	4	0 - 40	0 - 6	22 - 40	1812.45	06/15/87
HAR-32	III	40	8	0 - 40	4	0 - 40	0 - 6	21 - 40	1736.58	06/17/87

See last page of Table C-1 for notes and abbreviations.

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TABLE C-1
WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
HAR-33	III	35	8	0 - 35	4	0 - 35	0 - 6	18 - 35	1744.66	06/17/87
HAR-34	III	23	8	0 - 23	4	0 - 23	0 - 3	9 - 23	1751.17	06/17/87
CHATSWORTH FORMATION										
RD-01	I	506	15	0 - 26	10-1/8	0 - 26	0 - 26		1935.89	01/09/86
			8-5/8	26 - 506	---	---		Open Hole		
RD-02	I	400	15	0 - 26	10-1/8	0 - 26	0 - 26		1873.92	01/16/86
			8-5/8	26 - 400	---	---		Open Hole		
RD-03	I	300	15	0 - 27	10-1/8	0 - 27	0 - 27		1743.50	01/10/86
			8-5/8	27 - 300	---	---		Open Hole		
RD-04	II	496	15	0 - 27	10-1/8	0 - 27	0 - 27		1883.85	01/22/86
			8-5/8	27 - 496	---	---		Open Hole		
RD-05A	UL-S	158	12-1/4	0 - 29.5	8-1/4	0 - 29.5	0 - 29.5		1704.66	02/17/93
			6-1/4	29.5 - 158	---	---		Open Hole		
RD-05B	UL-S	310	15	0 - 27	10-1/8	0 - 27	0 - 27		1705.89	05/20/93
			9-7/8	27 - 310	5	0 - 310	0 - 248	257.6 - 310		
RD-05C	UL-S	480	17-1/2	0 - 29	12-1/8	0 - 28	0 - 29		1705.25	06/27/94
			11-7/8	29 - 421	6-1/4	0 - 418	0 - 421			
			6-1/4	421 - 480	---	---		Open Hole		
RD-06	UL-S	260	15	0 - 27	10-1/8	0 - 27	0 - 27		1617.21	01/31/86
			9-7/8	27 - 136	6-1/4	0 - 140		70 - 140		
			8-5/8	136 - 260	---	---		Open Hole		
RD-07	IV	300	15	0 - 25	10-1/8	0 - 25	0 - 25		1812.82	01/08/86
			8-5/8	25 - 300	---	---		Open Hole		
RD-08	III	50	15	0 - 27	10-1/8	0 - 27	0 - 27		1763.38	01/29/86
			8-5/8	27 - 50	---	---		Open Hole		
RD-09	II	200	15	0 - 37	10-1/8	0 - 37	0 - 37		1768.20	01/28/86
			8-5/8	37 - 200	---	---		Open Hole		
RD-10	I	400	15	0 - 30	10-1/8	0 - 30	0 - 30		1904.43	05/07/86
			8-3/8	30 - 400	---	---		Open Hole		
RD-11	III	71	15	0 - 30	10-1/8	0 - 30	0 - 30		1762.65	10/23/86
			8-3/8	30 - 71	---	---		Open Hole		

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WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-12	III	72	15	0 - 30	10-1/8	0 - 30	0 - 30		1762.62	10/23/86
			8-3/8	30 - 72	---	---		Open Hole		
RD-13	IV	160	12	0 - 30	8-1/4	0 - 30	0 - 30		1840.27	07/25/89
			6-1/2	30 - 160	---	---		Open Hole		
RD-14	IV	125	12	0 - 30	8-1/4	0 - 30	0 - 30		1824.29	07/27/89
			6-1/2	30 - 125	---	---		Open Hole		
RD-15	IV	152	12	0 - 30	8-1/4	0 - 30	0 - 30		1817.70	07/27/89
			6-1/2	30 - 152	---	---		Open Hole		
RD-16	IV	220	12	0 - 30	8-1/4	0 - 30	0 - 30		1808.99	08/15/89
			6-1/2	30 - 220	---	---		Open Hole		
RD-17	IV	125	12	0 - 30	8-1/4	0 - 30	0 - 30		1836.30	08/10/89
			6-1/2	30 - 125	---	---		Open Hole		
RD-18	IV	240	12	0 - 30	8-1/4	0 - 30	0 - 30		1839.49	07/28/89
			6-1/2	30 - 240	---	---		Open Hole		
RD-19	IV	135	12	0 - 30	8-1/4	0 - 30	0 - 30		1853.13	07/31/89
			6-1/2	30 - 135	---	---		Open Hole		
RD-20	IV	127	12	0 - 30	8-1/4	0 - 30	0 - 30		1819.72	07/27/89
			6-1/2	30 - 127	---	---		Open Hole		
RD-21	IV	175	12	0 - 30	8-1/4	0 - 30	0 - 30		1866.96	08/11/89
			6-1/2	30 - 175	---	---		Open Hole		
RD-22	IV	440	12	0 - 30	8-1/4	0 - 30	0 - 30		1853.41	08/15/89
			6-1/2	30 - 440	---	---		Open Hole		
RD-23	IV	440	12	0 - 30	8-1/4	0 - 30	0 - 30		1838.19	08/16/89
			6-1/2	30 - 440	---	---		Open Hole		
RD-24	IV	150	12	0 - 30	8-1/4	0 - 30	0 - 30		1809.93	08/09/89
			6-1/2	30 - 150	---	---		Open Hole		
RD-25	IV	Well abandoned April 2004 as part of Building 4059 demolition.								
RD-26	II	160	12	0 - 30	8-1/4	0 - 30	0 - 30		1880.39	08/03/89
			6-1/2	30 - 160	---	---		Open Hole		
RD-27	IV	150	12	0 - 30	8-1/4	0 - 30	0 - 30		1841.67	08/10/89
			6-1/2	30 - 150	---	---		Open Hole		

See last page of Table C-1 for notes and abbreviations.

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TABLE C-1
WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-28	IV	Well abandoned April 2004 as part of Building 4059 demolition.								
RD-29	IV	100	12 6-1/2	0 - 30 30 - 100	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1806.29	08/10/89
RD-30	IV	75	12 6-1/2	0 - 30 30 - 75	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1768.69	08/11/89
RD-31	I	175	12 6-1/2	0 - 30 30 - 175	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1945.02	08/16/89
RD-32	OS	150	17-1/2 11-7/8 5-7/8	0 - 19 19 - 99 99 - 150	12-1/8 6-1/4 ---	0 - 19 0 - 99 ---	0 - 19 0 - 99	Open Hole	1808.47	02/09/94
RD-33A	UL-N	320	17-1/2 11 5-1/2	0 - 11 11 - 100 100 - 320	12-1/8 6-1/4 ---	0 - 11 0 - 100 ---	0 - 11 0 - 100	Open Hole	1792.97	09/27/91
RD-33B	UL-N	415	17-1/2 11 6-1/4	0 - 20 20 - 360 360 - 415	12-1/8 6-1/4 ---	0 - 20 0 - 360 ---	0 - 20 20 - 360	Open Hole	1793.21	09/27/91
RD-33C	UL-N	520	17-1/2 11 6-1/4	0 - 10 10 - 480 480 - 520	12-1/8 6-1/4 ---	0 - 10 0 - 480 ---	0 - 10 0 - 480	Open Hole	1793.54	09/21/91
RD-34A	UL-N	60	12-1/4 6-1/2	0 - 16 16 - 60	8-1/4 ---	0 - 16 ---	0 - 16	Open Hole	1761.83	07/25/91
RD-34B	UL-N	240	17-1/2 11 6-1/4	0 - 30 30 - 180 180 - 240	12-1/8 6-1/4 ---	0 - 30 0 - 180 ---	0 - 30 0 - 180	Open Hole	1762.51	08/11/91
RD-34C	UL-N	450	17-1/2 11 6-1/4	0 - 30 30 - 380 380 - 450	12-1/8 6-1/4 ---	0 - 30 0 - 380 ---	0 - 30 0 - 380	Open Hole	1762.60	08/10/91
RD-35A	I	110	12-1/4 6-1/4	0 - 19.5 19.5 - 110	8-1/4 4	0 - 19.5 0 - 105.5	0 - 19.5 0 - 30	65 - 105.5	1908.62	01/24/93

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TABLE C-I
WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-35B	I	328	24	0 - 10	18	0 - 11	0 - 11	303 - 324	1905.65	01/18/99
			17-1/2	10 - 162	12	0 - 158	0 - 162			
			9-7/8	162 - 328	4	0 - 324	0 - 292			
			3	328 - 359	---	---	328 - 359			
RD-36A	OS	95	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1913.09	01/14/94
			6-1/4	20 - 95	---	---				
RD-36B	OS	170	17-1/2	0 - 20.5	12-1/8	0 - 20.5	0 - 20.5	Open Hole	1915.26	03/13/94
			11-7/8	20.5 - 120	6-1/4	0 - 120	0 - 120			
			5-7/8	120 - 170	---	---				
RD-36C	OS	466	26	0 - 20	20	0 - 20	0 - 20	405 - 455.5	1913.82	04/23/94
			15	20 - 198	10-1/8	0 - 197	0 - 198			
			5-7/8	198 - 466	4	0 - 455.5	0 - 381			
RD-36D	OS	605	24-1/2	0 - 10	18	0 - 10	0 - 10	575 - 605	1920.08	09/10/97
			15	10 - 554	10	0 - 550	0 - 550			
			9-7/8	554 - 608	4	0 - 605	0 - 560			
RD-37	OS	400	17-1/2	0 - 38	12-1/8	0 - 38	0 - 38	272 - 377	1870.01	01/28/94
			11-7/8	38 - 260	4	0 - 377				
			7-7/8	260 - 400						
RD-38A	OS	120	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1879.47	02/12/94
			6-1/2	20 - 120	---	---				
RD-38B	OS	370	24	0 - 6	18	0 - 6	0 - 6	Open Hole	1881.45	12/15/98
			17-1/2	6 - 170	12	0 - 161	0 - 170			
			11-7/8	170 - 279	6	0 - 277	0 - 279			
			5-1/2	279 - 370	---	---				
RD-39A	OS	159	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1960.23	02/02/94
			6-1/2	20 - 159	---	---				
RD-39B	OS	477	24	0 - 12	16	0 - 12	0 - 12	440 - 470	1959.48	11/11/97
			15	12 - 213	10	0 - 210	0 - 213			
			9-1/2	213 - 477	4	0 - 470	0 - 424			
			6-1/2	477 - 500	---	---	477 - 500			

See last page of Table C-I for notes and abbreviations.

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WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed	
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)					
RD-40	II	300	12-1/4	0 - 19.5	8-1/4	0 - 19.5	0 - 19.5	Open Hole	1972.02	01/08/93	
			6-1/4	19.5 - 300	---	---					
RD-41A	II	120	12-1/4	0 - 19.5	8-1/4	0 - 19.5	0 - 19.5	Open Hole	1774.48	01/10/93	
			6-1/4	19.5 - 120	---	---					
RD-41B	II	390	17-1/2	0 - 19.5	12-1/8	0 - 19.5	0 - 19.5	Open Hole	1774.71	10/19/93	
			11-7/8	19.5 - 340	6-1/4	0 - 336	0 - 340				
			5-7/8	340 - 390	---	---					
RD-41C	II	558	17-1/2	0 - 19.5	12-1/8	0 - 19.5	0 - 19.5	Open Hole	1773.73	10/05/93	
			11-1/4	19.5 - 492	6-1/4	0 - 491	0 - 492				
			6-1/4	492 - 558	---	---					
RD-42	II	120	12-1/4	0 - 19.5	8-1/4	0 - 19.5	0 - 19.5	Open Hole	1945.46	01/09/93	
			6-1/4	19.5 - 120	---	---					
RD-43A	OS	98	17-1/2	0 - 19.5	12-1/8	0 - 19.5	0 - 19.5	Open Hole	1680.16	09/09/94	
			6-1/2	19.5 - 98	---	---					
RD-43B	OS	295	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1680.21	10/25/94	
			11-7/8	20 - 240.5	6-1/4	0 - 240.5	0 - 30.5				
			6-1/2	240.5 - 295	---	---	115.5 - 240.5				
RD-43C	OS	439.5	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1679.31	10/10/94	
			11-7/8	20 - 370	6-1/4	0 - 370	5 - 140				
			6-1/2	370 - 439.5	---	---	183 - 219 318 - 368				
RD-44	I	485	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	2035.92	03/13/93	
			6-1/4	20 - 485	---	---					
RD-45A	I	480	17-1/2	0 - 19.5	12-1/8	0 - 19.5	0 - 19.5	Open Hole	1841.59	02/06/93	
			6-1/2	19.5 - 480	---	---					
RD-45B	I	590	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1840.09	09/11/94	
			11-7/8	20 - 538	6-1/4	0 - 538	0 - 127				
			6-1/2	538 - 590	---	---	471 - 538				

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-45C	I	798	24	0 - 20	16	0 - 19	0 - 20	Open Hole	1835.74	08/26/94
			11-7/8	20 - 750	6-1/4	0 - 750	0 - 135			
			6-1/4	750 - 798	---	---	483 - 540 590 - 750			
RD-46A	I	140	12-1/4	0 - 29.5	8-1/4	0 - 29.5	0 - 29.5	Open Hole	1806.13	01/13/93
			6-1/4	29.5 - 140	---	---				
RD-46B	I	328	24	0 - 20	18	0 - 20	0 - 20	293 - 325	1807.19	12/19/98
			17-1/2	20 - 193	12	0 - 190	0 - 193			
			9-7/8	193 - 328	4	0 - 325	0 - 281			
			3	328 - 366	---	---	328 - 366			
RD-47	I	710	17-1/2	0 - 19	12-1/8	0 - 19	0 - 19	Open Hole	2045.72	04/01/93
			6-1/2	19.0 - 710	---	---				
RD-48A	UL-S	110	12-1/4	0 - 20	8-1/4	0 - 20	0 - 20	Open Hole	1736.54	03/15/93
			6-1/2	20 - 110	---	---				
RD-48B	UL-S	248	17-1/2	0 - 29.5	12-1/8	0 - 29.5	0 - 29.5	Open Hole	1735.40	05/26/93
			11-1/4	29.5 - 200	6-1/4	0 - 200	0 - 198.5			
			6-1/4	200 - 248	---	---				
RD-48C	UL-S	438	17-1/2	0 - 30	12-1/8	0 - 30	0 - 30	Open Hole	1734.95	05/16/93
			11-1/4	30 - 371	6-1/4	0 - 371	0 - 371			
			6-1/4	371 - 438	---	---				
RD-49A	II	50	12-3/4	0 - 18.5	8-1/4	0 - 18.5	0 - 18.5	Open Hole	1867.25	06/08/93
			6-1/4	18.5 - 50	---	---				
RD-49B	II	298	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1867.95	06/14/93
			11-7/8	20 - 250	6-1/4	0 - 250	0 - 250			
			5-7/8	250 - 298	---	---				
RD-49C	II	558	17-1/2	0 - 19	12-1/8	0 - 19	0 - 19	Open Hole	1869.45	07/07/93
			11-7/8	19 - 500	6-1/4	0 - 491	0 - 491			
			6-1/4	500 - 558	---	---				
RD-50	IV	195	12-3/4	0 - 18.5	8-1/4	0 - 18.5	0 - 18.5	Open Hole	1914.88	05/28/93
			6-1/4	18.5 - 195	---	---				

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-51A	II	250	24	0 - 50	12-1/8	0 - 50	0 - 50	Open Hole	1832.51	07/11/91
			11-3/4	50 - 160	6-1/4	0 - 160	0 - 160			
			5-1/2	160 - 250	---	---				
RD-51B	II	370	24	0 - 48	12-1/8	0 - 48	0 - 48	Open Hole	1832.68	07/11/91
			11-3/4	48 - 300	6-1/4	0 - 300	0 - 300			
			5-1/2	300 - 370	---	---				
RD-51C	II	602	14	0 - 13.5	12-1/8	0 - 13.5	0 - 13.5	Open Hole	1831.65	07/09/91
			11-3/4	13.5 - 510	6-1/4	0 - 510	0 - 510			
			5-1/2	510 - 602	---	---				
RD-52A	I	137	12-1/4	0 - 19.5	8-1/4	0 - 19.5	0 - 19.5	Open Hole	1755.09	01/25/93
			6-1/2	19.5 - 137	---	---				
RD-52B	I	318	17-1/2	0 - 24	12-1/8	0 - 24	0 - 24	Open Hole	1712.15	12/06/93
			11-1/4	24 - 200	6-1/4	0 - 200	0 - 199			
			5-7/8	200 - 318	---	---				
RD-52C	I	678	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1712.83	11/29/93
			11-7/8	20 - 450			0 - 620			
			11-1/4	450 - 620	6-1/4	0 - 620				
			6-1/4	620 - 678	---	---				
RD-53	I	159	14	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1909.19	05/15/91
			12	20 - 77	6-1/4	0 - 77	0 - 77			
			5-1/2	77 - 159	---	---				
RD-54A	IV	278	17-1/2	0 - 19	12-1/8	0 - 19	0 - 19	Open Hole	1841.72	08/07/93
			11-1/4	19 - 119	6-1/4	0 - 119	0 - 119			
			5-7/8	119 - 278	---	---				
RD-54B	IV	437	17-1/2	0 - 19	12-1/8	0 - 19	0 - 19	Open Hole	1842.54	08/31/93
			11-1/4	19 - 379	6-1/4	0 - 379	0 - 379			
			5-7/8	379 - 437	---	---				
RD-54C	IV	638	17-1/2	0 - 20	12-1/8	0 - 20	0 - 20	Open Hole	1843.77	07/27/93
			11-1/4	20 - 558	6-1/4	0 - 557	0 - 557			
			6-1/4	558 - 638	---	---				

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Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-55A	III	106	17-1/2 6-1/4	0 - 28 28 - 106	12-1/8 ---	0 - 28 ---	0 - 28	Open Hole	1756.87	02/19/93
RD-55B	III	250	17-1/2 11 5-7/8	0 - 20 20 - 199.5 199.5 - 250	12-1/8 6-1/4 ---	0 - 20 0 - 199.5 ---	0 - 20 0 - 199.5	Open Hole	1757.19	04/19/93
RD-56A	UL-N	397.5	17-1/2 6-1/2	0 - 20.5 20.5 - 397.5	12-1/8 ---	0 - 20.5 ---	0 - 20.5	Open Hole	1758.62	03/08/94
RD-56B	UL-N	463	22 15 6-1/2	0 - 10 10 - 453 453 - 463	16 10 ---	0 - 10 0 - 443 ---	0 - 10 0 - 443	Open Hole	1761.83	07/24/97
RD-57	UL-N	419	17-1/2 6-1/2	0 - 19.5 19.5 - 419	12-1/8 ---	0 - 19.5 ---	0 - 19.5	Open Hole	1774.15	02/23/94
RD-58A	III	126	12-1/4 6-1/4	0 - 19.5 19.5 - 126	8-1/4 ---	0 - 19.5 ---	0 - 19.5	Open Hole	1756.11	02/01/93
RD-58B	III	268	17-1/2 11-7/8 6-1/2	0 - 20 20 - 220 220 - 268	12-1/8 6-1/4 ---	0 - 20 0 - 220 ---	0 - 20 0 - 220	Open Hole	1761.34	08/28/94
RD-58C	III	498	17-1/2 11-7/8 6-1/2	0 - 19 19 - 450 450 - 498	12-1/8 6-1/4 ---	0 - 19 0 - 450 ---	0 - 19 0 - 450	Open Hole	1759.59	08/09/94
RD-59A	OS	58	17-1/2 6-1/2	0 - 21 21 - 58	12-1/8 ---	0 - 21 ---	0 - 21	Open Hole	1340.50	05/19/94
RD-59B	OS	214	17-1/2 6-1/2	0 - 19.5 19.5 - 214	12-1/8 2	0 - 19.5 0 - 209	0 - 19.5 0 - 161	178 - 209	1342.49	07/02/94
RD-59C	OS	398	17-1/2 6-1/2	0 - 19 19 - 398	12-1/8 2	0 - 19 0 - 397	0 - 19 0 - 186 250 - 328	345.5 - 397	1345.41	07/02/94
RD-60	III	126	12-1/4 6-1/4	0 - 19.5 19.5 - 126	8-1/4 ---	0 - 19.5 ---	0 - 19.5	Open Hole	1870.40	01/21/93
RD-61	I	129	17-1/2 6-1/4	0 - 19 19 - 129	12-1/8 ---	0 - 19 ---	0 - 19	Open Hole	1845.87	04/26/94

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-62	UL-S	238	17-1/2	0 - 20.7	12-1/8	0 - 20.7	0 - 19.5		1837.20	05/06/94
			6-1/2	20.7 - 238	---	---		Open Hole		
RD-63	IV	230	12-3/4	0 - 20	8-1/4	0 - 20	0 - 20		1764.85	05/10/94
			6-1/2	20 - 230	---	---		Open Hole		
RD-64	IV	398	12-1/4	0 - 19	8-1/4	0 - 19	0 - 19		1857.04	05/19/94
			6-1/2	19 - 398	---	---		Open Hole		
RD-65	IV	397	12-3/4	0 - 19	8-1/4	0 - 19	0 - 19		1819.14	08/14/94
			6-1/2	19 - 397	---	---		Open Hole		
RD-66	OS	225	22	0 - 19	12	0 - 19	0 - 19		1730.79	07/28/97
			6-1/2	19 - 225	---	---		Open Hole		
RD-67	UL-S	102	17-1/2	0 - 20	12	0 - 20	0 - 20		1901.71	09/19/97
			6-1/2	20 - 102	---	---		Open Hole		
RD-68A	OS	90	17-1/2	0 - 19	12	0 - 19	0 - 19		1307.64	06/05/97
			6-1/4	19 - 90	---	---		Open Hole		
RD-68B	OS	272	---	0 - 52	12	0 - 52	0 - 224	240 - 270	1312.44	06/11/97
			11-7/8	52 - 272	4	0 - 270				
RD-69	I	103	17-1/2	0 - 19	12	0 - 19	0 - 19		1831.28	06/16/97
			6-1/4	19 - 103	---	---		Open Hole		
RD-70	UL-N	278	17-1/2	0 - 19	12	0 - 19	0 - 19		1732.26	06/14/97
			6-1/2	19 - 278	---	---		Open Hole		
RD-71	OS	281	17-1/2	0 - 20	12	0 - 20	0 - 20		1740.02	07/27/97
			6-1/2	20 - 281	---	---		Open Hole		
RD-72	I	182	24	0 - 27	12	0 - 27	0 - 27		1907.25	12/23/97
			6-1/2	27 - 182	---	---		Open Hole		
RD-73	I	141	12	0 - 20	10	0 - 20	0 - 20		1901.60	07/19/95
			6	20 - 141	---	---		Open Hole		
RD-74	IV	101	17-1/2	0 - 30	12	0 - 30	0 - 30		1810.90	01/21/99
			6-1/2	30 - 101	---	---		Open Hole		
RD-75	UL-S	425	12-3/4	0 - 30	8	0 - 30	0 - 30		1613.30	11/24/03
			4-4/5	30 - 425	---	---		Open Hole		

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-76	I	153	12-3/4	0 - 30	8	0 - 30	0 - 30	133 - 153	1772.27	12/03/03
			6	30 - 153	4	0 - 153	---			
			5-1/2	153-185	---	---	Fill 153-185			
RD-77	I	170	12-3/4	0 - 46	8	0 - 46	0 - 46	Open Hole	1918.48	12/03/03
			4-4/5	46 - 170	---	---	---			
RD-78	I	333	12-3/4	0 - 40	8	0 - 40	0 - 40	Open Hole	1819.84	12/09/03
			5-1/2	40 - 333	---	---	---			
RD-80	I	224	12-3/4	0 - 19	8	0 - 19	0 - 19	Open Hole	1740.18	12/01/03
			4-4/5	19 - 224	---	---	---			
RD-81	I	205	12-3/4	0 - 20	8	0 - 20	0 - 20	Open Hole	1705.77	06/14/04
			6	20 - 205	---	---	---			
RD-82	II	197	12-3/4	0 - 20	8	0 - 20	0 - 20	Open Hole	1676.73	06/09/04
			6	20 - 197	---	---	---			
RD-83	II	143	12-3/4	0 - 20	8	0 - 20	0 - 20	Open Hole	1661.18	06/16/04
			6	20 - 143	---	---	---			
RD-84	I	171	10	0 - 40	5	0 - 40	0 - 40	Open Hole	1907.83	12/15/03
			4	40 - 171	---	---	---			
RD-85	IV	90	13-3/8	0 - 20	8	0 - 20	0 - 20	Open Hole	1849.09	08/04/04
			5	20 - 40	---	---	---			
RD-86	IV	80	13-3/8	0 - 20	8	0 - 20	0 - 20	Open Hole	1830.51	08/09/04
			5	20 - 80	---	---	---			
RD-87	IV	60	13-3/8	0 - 20	8	0 - 20	0 - 20	Open Hole	1789.09	08/11/04
			5	20 - 60	---	---	---			
RD-88	IV	30	13-3/8	0 - 20	8	0 - 20	0 - 20	Open Hole	1774.62	08/16/04
			5	20 - 30	---	---	---			
RD-89	IV	50	13	0 - 30	8	0 - 30	0 - 30	Open Hole	1814.18	05/18/05
			3.8	30 - 50	---	---	---			
RD-90	IV	125	12-3/4	0 - 20	8	0 - 20	0 - 20	Open Hole	1784.75	03/11/04
			6	20 - 125	---	---	---			
RD-91	IV	140	12-3/4	0 - 20	8	0 - 20	0 - 20	Open Hole	1818.04	03/12/04
			6	20 - 140	---	---	---			

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-92	IV	105	12-3/4 6	0 - 20 20 - 105	8 ---	0 - 20 ---	0 - 20	Open Hole	1833.74	03/16/04
RD-93	IV	60	13 3.8	0 - 20 20 - 60	8 ---	0 - 20 ---	0 - 20	Open Hole	1810.48	05/19/05
RD-94	IV	35	13 3.8	0 - 20.5 20.5 - 35	8 ---	0 - 20.5 ---	0 - 20.5	Open Hole	1744.38	05/15/05
RD-95	IV	80	13 3.8	0 - 50 50 - 80	8 ---	0 - 50 ---	0 - 50	Open Hole	1811.36	05/12/05
RD-96	IV	90	13 4	0 - 20 20 - 90	8.625 ---	0 - 20 ---	0 - 20	Open Hole	1805.14	05/03/06
RD-97	IV	74.5	13 4	0 - 20 20 - 74.5	8.625 ---	0 - 20 ---	0 - 20	Open Hole	1792.22	04/28/06
WS-04A	I	502	13 10	0 - 300 300 - 502	10-1/4 ---	0 - 288 ---	Unknown	96 - 288 Open Hole	1749.77	1953
WS-05	I	2304	>12-1/4 12-1/4	0 - 40 40 - 2304	12 ---	0 - 40 ---	0 - 55	Open Hole	1830.20	1951
WS-06	I	1440	30 13 8-1/4	0 - 6 6 - 450 450 - 1440	12-1/8 ---	0 - 450 ---	0 - 6	306 - 450 Open Hole	1932.72	1953
WS-07	IV	700	15 10	0 - 400 400 - 700	12-1/8 ---	0 - 400 ---	Unknown	216 - 400 Open Hole	1826.19	1954
WS-08	III	700	15 10	0 - 400 400 - 700	12-1/8 ---	0 - 400 ---	Unknown	192 - 400 Open Hole	1794.39	1954
WS-09	II	1800	30 15 10	0 - 17 17 - 690 690 - 1800	12-1/8 ---	0 - 17 ---	0 - 14	Open Hole	1883.99	1955
WS-09A	II	541	30 15	0 - 34 34 - 541	14 12-1/8 8-1/4	0 - 34 0 - 541 0 - 539	0 - 20	20 - 539	1647.61	1956
WS-09B	II	220	16	0 - 220	---	---	Unknown	Open Hole	1796.89	1956

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			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
WS-11	III	677	13	0 - 400	12-1/8	0 - 400	Unknown	200 - 400	1748.70	1956
			9	400 - 677	8-1/4	365.5 - 615				
WS-12	I	1768	15	0 - 408	14	0 - 375	Unknown	Open Hole	1705.98	1956
			12	408 - 1768	---	---				
WS-13	II	940	>13	0 - 750	12-1/8	0 - 750	0 - 15	22 - 750	1658.62	1957
			11-1/2	750 - 940	---	---				
WS-14	I	1272	>16	0 - 40	16	0 - 40	Unknown	Open Hole	1878.23	1957
			12-3/4	40 - 1272	---	---				
WS-SP	II	203	Unknown	0 - 203	6	0 - 203	Unknown	Unknown	1766.76	Unknown
HAR-01	I	110	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1874.13	05/16/87
			8	30 - 110	---	---				
HAR-05	II	180	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1812.65	05/16/87
			8	30 - 180	---	---				
HAR-06	II	160	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1815.03	05/16/87
			8	30 - 160	---	---				
HAR-07	II	100	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1728.38	05/20/87
			8	30 - 100	---	---				
HAR-08	II	130	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1730.75	05/20/87
			8	30 - 130	---	---				
HAR-16	I	120	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1872.31	05/20/87
			8	30 - 120	---	---				
HAR-17	II	100	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1711.59	05/20/87
			8	30 - 100	---	---				
HAR-18	III	80	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1749.41	05/20/87
			8	30 - 80	---	---				
HAR-19	II	220	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1833.42	06/17/87
			8	30 - 220	---	---				
HAR-20	II	230	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1830.47	06/16/87
			8	30 - 230	---	---				

See last page of Table C-1 for notes and abbreviations.

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TABLE C-1

WELL CONSTRUCTION DATA
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed	
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)					
HAR-21	II	130	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1821.30	06/18/87	
			8	30 - 130	---	---					
HAR-22	II	90	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1816.41	06/18/87	
			8	30 - 90	---	---					
HAR-23	III	90	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1805.87	06/18/87	
			8	30 - 90	---	---					
HAR-24	I	110	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1906.89	06/18/87	
			8	30 - 110	---	---					
HAR-25	I	90	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1889.75	06/18/87	
			8	30 - 90	---	---					
HAR-26	III	90	15	0 - 30	10-1/8	0 - 30	0 - 30	Open Hole	1763.23	06/18/87	
			8	30 - 90	---	---					
PRIVATE OFF-SITE WELLS AND SPRINGS											
OS-01 (converted to RD-68B)	OS	288	Unknown	Unknown	10	0 - 52	Unknown	Open Hole	1310.34	Unknown	
					---	---					
OS-02	OS	700	Unknown	Unknown	10	0 - 17	0 - 17	Open Hole	1237.01	03/18/59	
					---	---					
OS-03	OS	100	Drilled with cable tools		8-1/4	0 - 59	0 - 30	30 - 60	Open Hole	1298.15	
					---	---					
OS-04	OS	Well Construction Data Unresolved or Not Available							1334.00		
OS-05	OS	Well Construction Data Unresolved or Not Available									
OS-08(S)	OS	Well Construction Data Unresolved or Not Available									
OS-09	OS	Well Construction Data Unresolved or Not Available									
OS-10	OS	600	18	0 - 10	12-1/8	0 - 10	0 - 10	Open Hole	1016.97	12/54	
			12	10 - 600	---	---					
OS-12(S)	OS	Well Construction Data Unresolved or Not Available									
OS-13(S)	OS	Well Construction Data Unresolved or Not Available									
OS-15	OS	218	Drilled with cable tools		8-1/4	0 - 40	0 - 40	Open Hole	1404.86	08/27/60	
					---	---					
OS-16	OS	Well Construction Data Unresolved or Not Available							1785.05		

See last page of Table C-1 for notes and abbreviations.

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TABLE C-1

WELL CONSTRUCTION DATA
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
OS-17	OS	475	Drilled with cable tools		---	0 - 25			1564.07	04/64
OS-21	OS	Well Construction Data Unresolved or Not Available							1900.39	
OS-24	OS	515	10	0 - 40	6-1/4	0 - 40	0 - 40		1947.30	12/02/87
			6	40 - 515	---	---		Open Hole		
OS-25	OS	515	10	0 - 36	6-1/4	0 - 36	0 - 36		2043.58	12/10/87
			6	36 - 515	---	---		Open Hole		
OS-26	OS	515	10	0 - 40	6-1/4	0 - 40	0 - 40		2080.58	11/16/87
			6	40 - 515	---	---		Open Hole		
OS-27	OS	477	10-1/4	0 - 30	10	0 - 5.5	0 - 30		2043.90	05/16/95
			6-1/8	30 - 477	6	0 - 30		Open Hole		
OS-28	OS	245	10	0 - 245	6	0 - 242	0 - 182	182 - 242		04/25/95

See last page of Table C-1 for notes and abbreviations.

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TABLE I
NOTES AND ABBREVIATIONS

1. Depth/intervals are measured in feet below land surface.
2. Well OS-01 was converted to well RD-68B in 1997.
3. (---) = No casing installed over the borehole interval specified; open hole.
4. (v) = Top of well below land surface, installed inside zero-grade vault.
5. S = Spring; construction data not applicable.
6. UL-N = Undeveloped land in northern part of Facility.
7. UL-S = Undeveloped land in southern part of Facility.
8. OS = Off-site

APPENDIX D
QUALITY ASSURANCE ASSESSMENT

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D-VIII	Summary of 2006 Data Qualification of Samples by MECX

1. OVERVIEW

Field and laboratory data were reviewed for consistency with the procedures outlined in the *Groundwater Monitoring, Quality Assurance Project Plan, Santa Susana Field Laboratory* (GWRC, 1995c) following each 2006 quarterly groundwater sampling event. Results of the review are discussed in the following sections. The analytical data were validated pursuant to the process summarized in section 3.2 of this appendix.

2. INTRODUCTION

2.1 Quality Assurance/Quality Control (QA/QC) Procedures

Following each quarterly groundwater sampling event, field and laboratory data are reviewed for consistency with procedures outlined in the *Groundwater Monitoring, Quality Assurance Project Plan, Santa Susana Field Laboratory* (GWRC, 1995c). As the project develops, it is anticipated that the quality assurance assessment conducted following each quarterly event may be modified. The current procedures include reviewing field forms and documentation and evaluating whether field data were complete. Analytical data were reviewed by the laboratory for precision, accuracy, representativeness, and comparability as part of its standard Quality Assurance/Quality Control (QA/QC) program. QA/QC data were submitted as part of the laboratory data package. Analytical data also were reviewed by Haley & Aldrich for data representativeness, reproducibility, completeness, erroneous data, and discrepancies.

TestAmerica (formerly Del Mar Analytical) of Irvine, California served as the primary laboratory for all analyses except for the following:

- ¾ 1,4-Dioxane – primary samples analyzed by Del Mar Analytical (TestAmerica) of Phoenix, Arizona during the first and second quarters;
- ¾ N-Nitrosodimethylamine (NDMA) – primary samples analyzed by Pacific Analytical of Carlsbad, California;
- ¾ Radiochemistry primary sample analyses conducted by Eberline Services of Richmond, California;
- ¾ Dioxins and furans (EPA Method 8290) - primary samples analyzed by Alta Analytical Laboratory of El Dorado Hills, California; and
- ¾ Oxygen-18 and deuterium – primary samples analyzed by the University of Ottawa G.G. Hatch Laboratories of Ottawa, Ontario, Canada.

Split samples were analyzed

- ¾ by Severn Trent Laboratories of Sacramento, California for volatile organic compounds (VOCs) and perchlorate;
- ¾ by Del Mar Analytical (TestAmerica) of Irvine, California for 1,4-dioxane during the first and second quarters;
- ¾ by TestAmerica (formerly Del Mar Analytical) of Phoenix, Arizona for 1,4-dioxane during the third and fourth quarters;
- ¾ by Weck Laboratories of City of Industry, California for NDMA and 1,2,3-trichloropropane (TCP); and
- ¾ by Severn Trent Laboratories of Richland, Washington for radiochemistry.

Haley & Aldrich field and analytical data reviews are summarized below.

Completeness values presented in this summary were calculated using the following equation:

$$C = \left[1 - \frac{\text{number of incomplete results}}{\text{total number requested}} \right] \times 100$$

The values shown in parentheses in this summary are simply percentages and are not completeness values. The percentages are provided as a quick reference.

3. QA/QC EVALUATION

3.1 Field Data

3.1.1 Pre-Sampling Water Levels

During each quarterly sampling event, facility wells, three private off-site wells, and a number of piezometers were scheduled for water level monitoring prior to sampling. Monitoring attempts and the number of locations containing water are summarized below. Three wells were not monitored due to datalogger absence or datalogger battery failure and one piezometer (PZ-092) was not monitored because it had been destroyed in 2004. Water levels were not obtained from the other locations because the wells or piezometers were inaccessible, or needed repair, or because of measurement error, or were not monitored due to sampler oversight.

Water Level Monitoring	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Number of locations scheduled	263	266	277	281
Number of locations monitored	260	263	273	279
Completeness value	99%	99%	99%	99%

3.1.2 Groundwater Sample Collection

During the quarterly sampling events, the number of wells and piezometers scheduled for sampling each quarter ranged from 138 to 207. Of the locations scheduled for sampling, the percentage sampled each quarter ranged from 64% to 77%. Samples were not collected at a number of locations because the wells and/or piezometers were dry or contained inadequate water for sampling purposes, or were inaccessible, or the well equipment malfunctioned. As a result of damage from the Topanga Fire of September 2005, a number of wells could not be sampled during the first and second quarters 2006 because power had not been restored at some extraction wells, the associated treatment systems, or both.

Comparing the number of wells that could be sampled versus the schedule, the field completeness value for water sample collection ranged from 99% to 100%.

3.1.3 QA/QC Sample Collection

Duplicate samples, split samples, field blanks, and trip blanks comprise the QA/QC sample collection program. The QA/QC target for duplicate samples is 10% of sampled wells. Split samples are collected from wells requiring verification sampling and from randomly selected wells, and typically comprise 5% of all sampled wells. Field blanks are collected each day that volatile organic samples are collected. Trip blanks are included with each shipment of VOC samples.

Results of QA/QC sample collection during 2006 are summarized below.

QA/QC Sample Type	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Percent of samples duplicated	23%	25%	20%	15%
Percent of samples split	12%	8%	18%	11%
Field blank completeness value	78%	72%	85%	100%
Trip blank completeness value	94%	100%	95%	94%

Due to QA/QC requirements for the NDMA decision tree and the perchlorate decision tree, the actual percentages of duplicate and split samples collected were higher than the targeted 10% and 5%, respectively.

3.1.4 Water Quality Parameter Measurements

Each water quality parameter (pH, temperature, electrical conductivity, and turbidity) is measured at least three times before sample collection, except at wells that function as extraction wells and thus are already pumping prior to the quarterly sampling event; wells that bail or pump dry prior to purging three well volumes; at private wells; at flowing artesian wells; at flowing springs; and at wells equipped with multi-level FLUTE systems. Water quality parameters were measured at least once at all but seven wells sampled during 2006. Water quality parameters were not measured at the seven wells due to sampler oversight (six wells) or the presence of bees which posed a safety hazard (one well). At 23 wells, one or more field parameters were not measured three times due to sampler oversight during the year. The completeness value for field parameters measured at least three times prior to sample collection ranged from 94% to 98%.

3.2 Analytical Data

3.2.1 Comparison with Historical Water Quality Data

There were some instances where analyte concentrations had increased or decreased in groundwater samples collected during 2006, but most values were within the range of historical data. During the year, the laboratories were requested to confirm suspect results. Follow-up sampling was conducted at 2 detection monitoring wells, 3 evaluation monitoring wells, 3 interim corrective action wells, 4 LUFT wells, 4 point of compliance wells, and 1 site-wide well during 2006. Results of follow-up sampling are summarized in Section 2.2.5. A summary of unusual results is included in Section 2.2 of this report.

3.2.2 Lab Performance Comparison

Results of the split samples are presented in Table D-I. Relative percent differences (RPDs) were calculated for each compound detected by both the primary and split laboratories and if the compounds exceeded the product of five times the method detection limit (MDL) times the dilution factor. RPD values calculated for the 2006 split samples ranged from 0% to 188%.

3.2.3 Field Duplicate Sample Precision

Water quality data were precise as indicated by the RPDs of field duplicate samples (Table D-II). RPD values calculated for the 2006 duplicate samples ranged from 0% to 189%. Two RPDs exceeded the laboratory RPD limit of 30% for NDMA analyses.

One RPD exceeded the laboratory RPD limit of 20% for TCP analyses. Two RPDs exceeded the laboratory RPD limit of 40% for VOC analyses. RPDs did not exceed the limits of 35% for SVOCs, 20% for gasoline range organics, 20% for perchlorate, and 20% for inorganics.

3.2.4 Data Representativeness, Reproducibility, and Completeness

Data representativeness, reproducibility, and completeness of 2006 results were evaluated by verifying the following:

- ¾ all locations were sampled as scheduled,
- ¾ samples were properly collected and preserved (if required),
- ¾ procedures to maintain the integrity of samples during shipment were followed,
- ¾ sample dilutions were properly conducted,
- ¾ chain-of-custody records were complete when submitted or changed appropriately, and
- ¾ laboratory QA/QC data were obtained for each sample submitted.

All locations were sampled as scheduled except at locations where wells contained insufficient water volume, where equipment problems were encountered, or where wells were inaccessible. Only part of the suite of analyses scheduled for OS-09 during the third quarter 2006 was collected. Sampling at OS-09 was aborted due to the presence of bees at the well which posed a safety hazard. All samples were preserved (where necessary) and shipped following acceptable procedures. Samples from wells with TCE concentrations exceeding 3,000 µg/l were segregated during storage and shipment.

A few chain-of-custody forms were not completed satisfactorily. Because the laboratories were notified of the deficiencies immediately following sample submission, all samples submitted were identified correctly and analyzed according to the monitoring schedule. Field personnel were informed of the custody form deficiencies and provided an example of a completed custody form.

All samples were received appropriately, identified correctly, and analyzed according to the monitoring schedule except for the following:

- ¾ The field blank for HAR-07 1,4-dioxane was sent on a chain of custody to the laboratory, but was not found at the laboratory during the second quarter 2006. No HAR-07 field blank was analyzed.
- ¾ The VOC second quarter 2006 results for ES-21 were rejected due to a suspected vial mix-up.
- ¾ The results for the duplicate and the field blank sample for RS-32 TCP analysis were rejected due to a suspected vial mix-up during the second quarter 2006.
- ¾ The perchlorate first quarter 2006 result for RD-01 was rejected due to a suspected vial mix-up.

- ¾ The results for the field blank sample for RD-01 VOCs were similar to RD-01 groundwater during the second quarter 2006. The samples were rejected due to a suspected vial mix-up.**
- ¾ The split HAR-16 TCP sample was analyzed by the primary laboratory (Del Mar Analytical) instead of the split laboratory (Weck Laboratories) during the second quarter 2006. The sample was reclassified as a duplicate sample.**
- ¾ Results of fuel hydrocarbon and VOC analyses indicate that groundwater samples collected from RD-36C and RD-36D were mislabeled during sample collection or misidentified at the laboratory during the third quarter 2006. Because RD-36C samples were incorrectly identified as RD-36D samples, and vice versa, these wells were resampled during the fourth quarter 2006 for fuel hydrocarbons and VOCs.**
- ¾ 2-Hexanone reported in third quarter RD-39A samples was not detected in primary, duplicate, and split samples collected during the fourth quarter.**
- ¾ The source of acetone, ethylbenzene, o-xylene, m,p-xylenes, toluene, and 2-butanone (methyl ethyl ketone, MEK) reported in fourth quarter 2006 samples from wells RD-34A, RD-62, HAR-18, and HAR-21 was Scotchkote electrical cable sealant introduced during October 2006 well maintenance activities. The Material Safety Data Sheet for 3M Scotchkote Brand Electrical Coating listed acetone, 2-butanone, and toluene as chemical components. At wells RD-34A, RD-62, HAR-18, and HAR-21, cable sections with the sealant were replaced with heat-shrink splices during December, and the wells were purged and sampled. Acetone, ethylbenzene, o-xylene, m,p-xylenes, toluene, and 2-butanone were either not detected or detected at lower concentrations in the December samples.**

3.2.5 Contract-Required Minimum Detectable Activity

Project specific technical specifications, including Minimum Detectable Activities (MDAs), have been developed to insure collection of high quality data and to be consistent with recent EPA Drinking Water regulations (Federal Register, 2000). Some data do not meet the MDA requirements (see below). Non-attainment of the MDA technical specifications is due in part to matrix conditions and in part to limitations in the prescribed analytical methods. Matrix conditions, including dissolved and suspended solids, impact the homogeneity of the samples and limit method counting efficiency. Additionally, prescribed analytical methods call for specified sample volumes and counting times that further limit the ability to attain the project MDAs.

During the quarter, the radiochemistry laboratory was able to meet the contract-required MDAs for most radiochemicals. The contract-required MDAs are equal to or less than detection limits prescribed for drinking water by the EPA Drinking Water regulations (Federal Register, 2000). For some radiochemicals, the contract-required MDAs could not be met for the following reasons:

- ¾ Some gross alpha, gross beta, tritium, and isotopic thorium and uranium MDAs were greater than the required MDAs. In most cases, the positive result**

determined for the radioisotope exceeded both the required and obtained MDAs.

- $\frac{3}{4}$ Some gamma-emitting radioisotopes (e.g., potassium-40) exceeded contract-required MDAs.

3.2.6 Data Usability Summary

Analytical results for groundwater samples, trip blank samples, field blank samples, and site specific matrix spike and matrix spike duplicate samples (MS/MSD) were reviewed to evaluate the data usability. These data were assessed in accordance with guidance from the EPA "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (EPA540/R-99-008, October 1999), "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (EPA540-R-04-004, October 2004), and the EPA Method specific protocol criteria, where applicable.

The following items/criteria applicable to the QA/QC data and sample analysis data listed above were reviewed:

- $\frac{3}{4}$ Chain of Custody Procedures
- $\frac{3}{4}$ Preservation and Analytical Holding Time Compliance
- $\frac{3}{4}$ Method Blank, Trip Blank, and Field Blank Sample Analyses
- $\frac{3}{4}$ Surrogate Compound Recoveries
- $\frac{3}{4}$ Laboratory Control Sample Analyses
- $\frac{3}{4}$ Matrix Spike Sample Analyses
- $\frac{3}{4}$ Sample Data Reporting Procedures
- $\frac{3}{4}$ Laboratory Data Qualification Procedures

3.2.6.1 Chain of Custody Procedures

External chain of custody documentation was completed by Haley & Aldrich personnel during the performance of sampling activities conducted at SSFL. The external chain of custody documents were completed appropriately upon sample transfer to the primary analytical laboratory personnel [TestAmerica (Del Mar Analytical), Eberline Services, Pacific Analytical, Severn Trent Laboratories, and G.G. Hatch Laboratories]. A number of NDMA samples were subcontracted by TestAmerica to Weck Laboratories; dioxin and furan samples were subcontracted by TestAmerica to Alta Analytical Laboratory; 1,4-dioxane samples were subcontracted by TestAmerica to TestAmerica of Phoenix, Arizona.

A review of the chain of custody documents indicated that the sample custody remained intact through the analytical process and the reported results are representative of the samples collected at SSFL. The external chain of custody documents are provided with each laboratory report.

3.2.6.2 Preservation/Holding Time Compliance

Maximum allowable holding times as prescribed by the EPA, "Test Methods for Evaluating Solid Waste", SW-846, 3rd Edition, Update III, 1996 were

applied to the evaluation of each project sample. Holding time compliance was measured from the time of sample collection to the time of sample preparation or analysis. Each project sample was initially analyzed within the maximum allowable holding time with some exceptions. Some inorganic and VOC analyses exceeded the holding time limits. Non-detect samples were qualified with a "UJ" and detects were qualified with a "J" indicating that the results were estimated (Table D-III).

3.2.6.3 Blank Sample Analyses

Trip blank samples were provided by TestAmerica and accompanied the project sample containers to and from the project site to assess possible field and/or container contamination. Trip blank samples were analyzed by the primary laboratory, TestAmerica, and by the split laboratory, Severn Trent Laboratories of Sacramento, California, for VOCs only. Method blank samples were prepared by the analytical laboratories and were analyzed concurrently with the project samples to assess possible laboratory contamination. Field blank samples were prepared at sampled wells using de-ionized water provided by the laboratories. Several target compounds were detected in associated field blank and trip blank samples and in method blank samples prepared and analyzed with the project samples. Table D-IV provides a list of the target compounds detected in the project trip blanks, field blanks, and/or method blank samples which required corrective action; the associated project samples; and the recommended corrective action for the presentation of the sample analysis results. Target compounds detected in blank samples that did not require corrective action are not included in the table.

In accordance with cited EPA guidelines, positive VOC sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds. SVOCs use the 5X rule for common laboratory contaminants such as phthalate esters and the 10X rule for other target compounds. The 5X rule also applies to fuel hydrocarbon analyses. Sample results that were qualified with a "U" flag as a result of detection in blank samples are listed in Table D-IV.

Some metals and general minerals were detected in method blank samples prepared and analyzed concurrently with the project samples. These results were flagged with "B" by the laboratory indicating that the concentration of the analyte within the sample was less than 10 times (10X) the amount of the metal or general mineral detected in the associated method blank. For these samples, the reported analyte result was also flagged with a "U" indicating that the concentration of the analyte detected in the sample was most likely due to laboratory contamination and was not indicative of the field sample conditions (Table D-IV).

3.2.6.4 Surrogate Recovery Limit Exceedance

To confirm the efficiency of the purge and trap sample preparation procedure by EPA Methods 8260B, 8260SIM, and the extraction and concentration

process by EPA Method 8270C, surrogate compounds were added to each sample prior to analysis. The surrogate compound recovery calculated in percentage is presented on each laboratory report for the project sample analyses. The calculated recovery of surrogate compounds for each sample fell within method specific acceptance criteria except for some VOCs and SVOCs (Table D-V). Surrogate recoveries were less than 10% for some SVOCs. Reported as non-detected in the associated samples, the results for these SVOC compounds were qualified with an "R" indicating that the results were rejected because the presence or absence of the analyte could not be verified. Where the surrogate recovery exceeded the limits for positive VOC results, the results in the associated samples were qualified with a "J" indicating that the results were estimated.

3.2.6.5 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analyses

Analytical precision and accuracy were evaluated based on Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD) analyses performed concurrently with the project samples. LCS/LCSD analyses included the addition of a known amount of each target analyte into laboratory pure water using a traceable reference material independent of the instrument calibration materials. LCS/LCSD samples were analyzed to confirm the precision and accuracy of the analytical system calibration.

The percent recovery calculated for each target analyte fell within laboratory specific criteria indicating that the analyses were conducted with acceptable analytical accuracy and precision with some exceptions (Table D-VI).

During 2006, LCS/LCSD percent recoveries were below the percent recovery criteria for some SVOCs and VOCs. Reported as non-detected in the associated samples, the results for these compounds were qualified with an "R" indicating that the results were rejected because the presence or absence of the analyte could not be verified.

3.2.6.6 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

Analytical precision and accuracy was evaluated based on the Matrix Spike and Matrix Spike Duplicate (MS/MSD) analyses performed on the project samples within each sample delivery group (SDG). After the addition of a known amount of each target analyte to the sample matrix, the sample was analyzed to confirm the ability of the analytical systems to identify these compounds within the sample matrix. Due to limitation of sample volume, some SDGs contained reports of MS/MSD analyses performed on sample matrices from non-project related samples. However, the analysis of these samples concurrently with the project samples provides valuable information on the accuracy of the analyses performed.

The percent recovery calculated for each target analyte fell within laboratory specific criteria with exceptions for some inorganics, metals, SVOCs, and VOCs (Table D-VI). The results in the associated samples were qualified with a "J" indicating that the results were estimated if the percent recovery exceeded

the limits for positive inorganic, metal, SVOC, and VOC results. If the percent recoveries for non-detects exceeded the lower limits and were greater than 10%, then the inorganic, SVOC, and VOC results were qualified with a "UJ" as estimated non-detect. If the percent recoveries for inorganic, SVOC, and VOC non-detects were less than 10%, then the results were qualified with an "R" indicating that the results were rejected because the presence or absence of the analytes could not be verified. If the percent recoveries for inorganic, VOC, and SVOC non-detects exceeded the upper limits, then the results were not qualified. For metal results, if the percent recoveries for non-detects were between 30-74%, then results were qualified with a "UJ" as estimated non-detect. If the percent recoveries for non-detects were greater than between 125%, then the results were not qualified.

3.2.6.7 Continuing Calibration Blank Exceedence

In accordance with cited EPA guidelines, the continuing calibration blank is required to be below half of the reporting limit. Positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in the continuing calibration blank. Sample results that were qualified with a "U" flag as a result of detection in the continuing calibration blank samples are listed in Table D-VII.

3.2.6.8 Data Qualification of Samples by MECX

Level IV validation of specific samples was performed by MECX, LLC. MECX validated all results (detected and non-detected) for TCP excluding TCP results for Point of Compliance wells RS-08, HAR-14, and HAR-07; detected dioxins and furans; metals that were not within historical ranges and greater than their MCLs or NLs; any NDMA and 1,4-dioxane detects that were not within historical ranges; and OS-09R results. A number of other results were qualified for various data validation issues (Table D-VIII).

3.2.6.9 Sample Data Reporting

Sample data were reported in summary reports containing laboratory specific data qualifiers. The reporting limit values for the dilution analyses were adjusted for the level of dilution performed. When an analysis was performed without dilution, the reporting limit was based on the most recent MDL study conducted by the contract laboratory. Values presented for target compounds detected at concentrations below the reporting limit but above the MDL were flagged with a "J" as estimated values. No corrective action is recommended.

3.2.6.10 Data Qualifiers

The use of the data qualifiers is intended to aid data users in their interpretation of the sample results. Laboratory specific data qualifiers were assigned by the laboratories to the reported results in accordance with each laboratory's standard operating procedures. However, the data qualifiers used by TestAmerica do not correspond with standard EPA guidance as referenced in this document. As such, the data qualifiers recommended above in accordance with the EPA guidelines should preclude the use of the laboratory specific

qualifiers so that comparability of the reported results can be achieved if future analyses are performed at other laboratory facilities.

The results presented in each report were found to be compliant with the data quality objectives (DQOs) for the project and usable, with the few exceptions noted above. Based on our review, the data usability is 100%, with the few exceptions noted above.

TABLE D-I
SUMMARY OF 2006 SPLIT SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Split	
Shallow Wells						
SH-03	02/15/06	8260SIM	1,4-Dioxane	21	19	10
		1625M	NDMA	0.3129	0.81 J	89
			NDMA	0.3129	0.81 J	89
RS-07	02/15/06	8260SIM	1,4-Dioxane	1.3	1.8 J	NA
RS-08	08/31/06	8270C	SVOCs	None detected	None detected	---
RS-54	02/23/06	900.0	Gross Alpha (pCi/l)	6.94 U +/- 5.5	21.0 +/- 5.89	---
		900.0	Gross Beta (pCi/l)	9.35 +/- 4.1	11.4 +/- 3.82	NA
		901.1	Gamma (pCi/l)	None detected	None detected	---
		903.1	Ra-226 (pCi/l)	0.319 U +/- 0.39	0.307 J +/- 0.179	---
		904.0	Ra-228 (pCi/l)	0.466 U +/- 0.21	0.588 J +/- 0.278	---
		906.0	Tritium (pCi/l)	105 U +/- 100	48.1 U +/- 154	---
		907.0	Thorium-228 (pCi/l)	0.010 U +/- 0.035	-0.035 U +/- 0.0354	---
		907.0	Thorium-230 (pCi/l)	-0.038 U +/- 0.045	-0.00851 U +/- 0.0171	---
		907.0	Thorium-232 (pCi/l)	-0.008 U +/- 0.010	0.0425 U +/- 0.853	---
		908.0	Uranium-233/234 (pCi/l)	15.7 +/- 0.99	15.6 +/- 3.63	1
		908.0	Uranium-235 (pCi/l)	0.682 J +/- 0.12	0.422 J +/- 0.264	NA
		908.0	Uranium-238 (pCi/l)	14.2 +/- 0.91	15.8 +/- 3.67	11
ES-04	05/19/06	8260B	Methylene chloride	2.8 J,L	0.35 U	---
HAR-15	09/01/06	8260SIM	1,4-Dioxane	1 U	0.65 U	---
Chatsworth Formation Wells						
RD-01	11/06/06	8260B	1,1-Dichloroethene	2.5	18 U	---
			cis-1,2-Dichloroethene	810	990	NA
			trans-1,2-Dichloroethene	29	39 J	NA
			Trichloroethene	910	1000	NA
			Vinyl chloride	16	22 J	NA
RD-02	11/09/06	8260B	1,1-Dichloroethene	4.2 U	1.9	---
			cis-1,2-Dichloroethene	410	490 J	18
			trans-1,2-Dichloroethene	20	22	NA
			Trichloroethene	240	270 J	12
			Vinyl chloride	3 U	3.1	---
RD-04	08/15/06	8260B	cis-1,2-Dichloroethene	120	180	NA
			trans-1,2-Dichloroethene	2.8 J	11 U	---
			Trichloroethene	3000	3700	NA
RD-05B	05/12/06	8260B	VOCs	None detected	None detected	---
RD-09	05/16/06	8260SIM	1,4-Dioxane	1.6 J	1.4 J	NA
	11/08/06	314.0	Perchlorate	0.8 U	0.68 U	---
RD-15	02/16/06	900.0	Gross Alpha (pCi/l)	4.68 +/- 3.2	5.52 +/- 1.98	NA
		900.0	Gross Beta (pCi/l)	8.84 +/- 2.9	10.9 +/- 2.52	NA
		901.1	Gamma (pCi/l)	None detected	None detected	---
		903.1	Ra-226 (pCi/l)	0.747 U +/- 0.59	0.766 J +/- 0.233	---
		904.0	Ra-228 (pCi/l)	1.23 +/- 0.23	1.17 +/- 0.357	NA
		906.0	Tritium (pCi/l)	81.2 U +/- 100	29.5 U +/- 154	---
		908.0	Uranium-233/234 (pCi/l)	3.46 +/- 0.35	3.49 +/- 1.11	1
		908.0	Uranium-235 (pCi/l)	0.086 J +/- 0.057	0.191 J +/- 0.196	NA
		908.0	Uranium-238 (pCi/l)	3.02 +/- 0.32	2.72 +/- 0.930	10
			08/08/06	900.0	Gross Alpha (pCi/l)	6.83 +/- 2.3
		900.0	Gross Beta (pCi/l)	7.49 +/- 2.6	11.1 +/- 3.21	NA
		903.1	Ra-226 (pCi/l)	0.479 U +/- 0.46	0.746 J +/- 0.220	---
		904.0	Ra-228 (pCi/l)	1.59 +/- 0.28	2.40 +/- 0.445	NA
RD-18	02/23/06	8260B	Carbon disulfide	0.48 U	7.1 S	---
RD-30	08/09/06	900.0	Gross Alpha (pCi/l)	10.3 +/- 3.6	9.63 +/- 3.88	NA
		900.0	Gross Beta (pCi/l)	8.45 +/- 2.9	11.4 +/- 3.79	NA
		901.1	Gamma (pCi/l)	None detected	None detected	---
		903.1	Ra-226 (pCi/l)	0.318 U +/- 0.46	0.333 J +/- 0.167	---
		904.0	Ra-228 (pCi/l)	0.568 J +/- 0.17	0.700 J +/- 0.349	NA
		906.0	Tritium (pCi/l)	0 U +/- 97	172 J +/- 90.0	---
RD-32	11/03/06	8015B	Gasoline Range Organics (C6-C12)	30 U	26 U	---

See last page of Table D-I for notes and abbreviations.

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TABLE D-I

SUMMARY OF 2006 SPLIT SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD	
				Primary	Split		
RD-33B	08/09/06	900.0	Gross Alpha (pCi/l)	-0.647 U +/- 0.99	2.24 U +/- 1.96	---	
			900.0	Gross Beta (pCi/l)	4.99 +/- 1.8	9.68 +/- 2.87	NA
			903.1	Ra-226 (pCi/l)	1.18 +/- 0.57	0.876 J +/- 0.251	NA
			904.0	Ra-228 (pCi/l)	1.40 +/- 0.22	2.18 +/- 0.430	NA
			906.0	Tritium (pCi/l)	-97.3 U +/- 93	-96.9 U +/- 77.9	---
RD-33C	11/02/06	8260B	Acetone	7.6 J,L	1 U	---	
RD-34A	02/21/06	8260B	Carbon disulfide	2.7 J	3.5	26	
			cis-1,2-Dichloroethene	0.32 U	0.13 J	---	
			Trichloroethene	1.3	1.4	NA	
RD-34C	02/21/06	900.0	Gross Alpha (pCi/l)	0.228 U +/- 1.9	0.605 U +/- 0.667	---	
			900.0	Gross Beta (pCi/l)	5.86 +/- 2.5	5.30 +/- 1.44	NA
			901.1	Gamma (pCi/l)	None detected	None detected	---
			903.1	Ra-226 (pCi/l)	0.550 U +/- 0.44	0.546 J +/- 0.230	---
			904.0	Ra-228 (pCi/l)	1.64 +/- 0.27	1.64 +/- 0.426	NA
			906.0	Tritium (pCi/l)	108 U +/- 92	-40.2 U +/- 150	---
RD-36C	11/13/06	8260B	1,1-Dichloroethane	0.87 J	0.74 J	NA	
			1,1-Dichloroethene	4.1	5.8	34	
			cis-1,2-Dichloroethene	89	70	24	
			Tetrachloroethene	0.32 U	1.9	---	
			trans-1,2-Dichloroethene	38	12	104	
			Trichloroethene	1.6	50	188	
RD-38B	11/15/06	8015B	Gasoline Range Organics (C6-C12)	25 U	21 U	---	
RD-39A	08/31/06	8260B	2-Hexanone	4 J,S	4.4 S	NA	
			Acetone	4.5 U	2.1 S	---	
			Benzene	0.28 U	0.19 S	---	
	11/15/06	8260B	Acetone	4.5 U	1.3 J,L	---	
			Benzene	0.28 U	0.17 J	---	
RD-49C	11/06/06	8260B	cis-1,2-Dichloroethene	74	120	47	
			trans-1,2-Dichloroethene	0.27 U	3.7 J	---	
			Trichloroethene	15	22	NA	
			Vinyl chloride	2	2.8 J	NA	
RD-52C	08/17/06	8260B	cis-1,2-Dichloroethene	0.32 U	0.12 J	---	
RD-55B	05/16/06	8260B	cis-1,2-Dichloroethene	8.6	12	33	
			Trichloroethene	15	19	24	
RD-59B	02/22/06	314.0	Perchlorate	0.8 U	0.34 U	---	
RD-59C	02/22/06	900.0	Gross Alpha (pCi/l)	-1.41 U +/- 2.7	1.34 U +/- 1.21	---	
			900.0	Gross Beta (pCi/l)	3.26 J +/- 1.7	3.96 J +/- 1.60	NA
			901.1	Gamma (pCi/l)	None detected	None detected	---
			903.1	Ra-226 (pCi/l)	0.196 U +/- 0.40	0.619 J +/- 0.234	---
			904.0	Ra-228 (pCi/l)	1.17 +/- 0.22	1.35 +/- 0.382	NA
			906.0	Tritium (pCi/l)	-34.2 U +/- 99	40.4 U +/- 154	---
RD-61	08/31/06	8260B	VOCs	None detected	None detected	---	
RD-62	12/15/06	8260B	VOCs	None detected	None detected	---	
RD-63	08/09/06	900.0	Gross Alpha (pCi/l)	3.75 U +/- 3.0	8.44 +/- 4.52	---	
			900.0	Gross Beta (pCi/l)	8.13 +/- 2.7	11.1 +/- 3.50	NA
			903.1	Ra-226 (pCi/l)	1.79 +/- 0.64	2.10 +/- 0.479	NA
			904.0	Ra-228 (pCi/l)	2.37 +/- 0.29	3.78 +/- 0.607	46
RD-70	08/15/06	8260B	VOCs	None detected	None detected	---	
RD-73	05/09/06	8260B	1,1-Dichloroethene	96 J	180 J	NA	
			Acetone	900 U	470 J,L	---	
			cis-1,2-Dichloroethene	400	440	NA	
			Trichloroethene	16000	15000	NA	
HAR-01	05/18/06	524M-TCP	1,2,3-Trichloropropane	0.0023 J	0.0015 U	---	
HAR-07	05/11/06	8260SIM	1,4-Dioxane	0.71 J	1.0 U	---	
			08/15/06	8260SIM	1 U	6.5 UJ	---
HAR-08	02/14/06	8260SIM	1,4-Dioxane	1.3	1.7 J	NA	
HAR-17	09/01/06	8270C	SVOCs	None detected	None detected	---	
HAR-20	08/31/06	314.0	Perchlorate	0.8 U	0.34 U	---	
HAR-23	02/16/06	1625M	NDMA	0.0511	0.056	9	
			NDMA	0.0511	0.043	17	

See last page of Table D-I for notes and abbreviations.

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TABLE D-I

SUMMARY OF 2006 SPLIT SAMPLE RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Split	
WS-05	05/18/06	314.0	Perchlorate	0.8 U	0.34 U	---
WS-06	08/16/06	1625M	n-Nitrosodimethylamine (NDMA)	0.01 U	0.01 U	---
WS-06	08/16/06	8260B	cis-1,2-Dichloroethene	66	64	3
			trans-1,2-Dichloroethene	6.6	8.5	25
			Trichloroethene	3.7	3.7	0
			Vinyl chloride	2.6	3.2	21
WS-09	08/16/06	8260SIM	1,4-Dioxane	7.8	18 J	NA

See last page of Table D-I for notes and abbreviations.

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TABLE D-1
NOTES AND ABBREVIATIONS

1. 1625M = EPA method 1625M for n-Nitrosodimethylamine (NDMA).
2. 314.0 = EPA method 314.0 for perchlorate. Perchlorate analyses were performed on primary samples by TestAmerica of Irvine, California; and on split samples by Severn Trent Laboratories of Sacramento, California.
3. 524M-TCP = SRL method 524M-TCP for 1,2,3-trichloropropane. TCP analyses were performed on primary samples by TestAmerica of Irvine, California; and on split samples by Weck Laboratories of City of Industry, California.
4. 8015B = EPA method 8015B modified for fuel hydrocarbons. Fuel hydrocarbon analyses were performed on primary samples by TestAmerica of Irvine, California; and on split samples by TestAmerica of Phoenix, Arizona.
5. 8260B = EPA method 8260B for volatile organic compounds (VOCs). VOC analyses were performed on primary samples by TestAmerica of Irvine, California; and on split samples by Severn Trent Laboratories of Sacramento, California.
6. 8260SIM = EPA method 8260SIM for 1,4-dioxane. During the first and second quarters, low level 1,4-dioxane analyses were performed on primary samples by Del Mar Analytical of Phoenix, Arizona; and on split samples by Del Mar Analytical of Irvine, California. During the third and fourth quarters, low level 1,4-dioxane analyses were performed on primary samples by TestAmerica of Irvine, California; and on split samples by TestAmerica of Phoenix, Arizona.
7. 8270C = EPA method 8270C for semi-volatile organic compounds (SVOCs).
8. 900.0 = EPA method 900.0 for gross alpha and beta.
9. 901.1 = EPA method 901.1 for gamma emitting radionuclides.
10. 903.1 = EPA method 903.1 for Radium-226.
11. 904.0 = EPA method 904.0 for Radium-228.
12. 906.0 = EPA method 906.0 for tritium.
13. 907.0 = EPA method 907.0 for isotopic thorium.
14. 908.0 = EPA method 908.0 for isotopic uranium.
15. ug/l = Micrograms per liter.
16. pCi/l = PicoCuries per liter.
17. RPD = Relative percent difference. RPDs were calculated only if the detected concentration exceeded the product of five times the method detection limit times the dilution factor.
18. NA = Not applicable. An RPD calculation is not valid since at least one of the laboratories reported a detected concentration less than the product of five times the method detection limit times the dilution factor.
19. (---) = Not applicable. Constituent not detected in one or both samples.
20. J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). For radionuclides, result is less than contract-required MDA and greater than or equal to MDA.
21. L = Laboratory contaminant.
22. S = Suspect result.
23. U = Not detected; numerical value represents the Method Detection Limit for that compound. For radionuclides not detected above the MDA, numerical value represents the activity for that radionuclide.
24. UJ = Not detected. Estimated detection limit as a result of analytical quality control deficiencies.

TABLE D-I
NOTES AND ABBREVIATIONS

25. Primary lab = TestAmerica of Irvine, California. For NDMA, Pacific Analytical of Carlsbad, California served as the primary lab. For radiochemistry, Eberline Services of Richmond, California served as the primary lab.
26. Split lab = Severn Trent Laboratories of Richland, Washington served as the split lab for radionuclides. Weck Laboratories of City of Industry, California served as the split lab for NDMA, SVOCs, and 1,2,3-TCP. Severn Trent Laboratories of Sacramento, California served as the split lab for VOCs and perchlorate.
27. Radionuclide results that are less than the procedure background value are shown as negative values.
28. Effective 1 July 2006, Del Mar Analytical became TestAmerica.

TABLE D-II
SUMMARY OF 2006 DUPLICATE SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Duplicate	
Shallow Wells						
SH-03	02/15/06	1625M	n-Nitrosodimethylamine (NDMA)	0.3129	0.3341	7
		8260SIM	1,4-Dioxane	21	21	0
SH-04	05/11/06	524M-TCP	1,2,3-Trichloropropane	0.015	0.007	73
		1625M	n-Nitrosodimethylamine (NDMA)	0.2683	0.2609	3
SH-10	05/11/06	524M-TCP	1,2,3-Trichloropropane	0.0024 J	0.0037 J	NA
		8260SIM	1,4-Dioxane	1.3	1.4	NA
RS-07	02/15/06	8260SIM	1,4-Dioxane	1.3	1.4	NA
RS-08	08/31/06	8270C	SVOCs	None detected	None detected	---
RS-32	05/11/06	524M-TCP	1,2,3-Trichloropropane	0.014	0.0017 R	---
ES-04	05/19/06	8260B	Methylene chloride	2.8 J,L	1.3 J,L	NA
			Toluene	0.36 U	0.36 J	---
ES-30	08/30/06	8260B	cis-1,2-Dichloroethene	24	31	25
			trans-1,2-Dichloroethene	1.5	2.1	33
			Trichloroethene	29	22	27
			Trichlorotrifluoroethane	1.4 J	1.3 J	NA
HAR-14	05/08/06	1625M	n-Nitrosodimethylamine (NDMA)	0.4054	0.4042	0
HAR-15	09/01/06	524M-TCP	1,2,3-Trichloropropane	0.0017 U	0.0017 U	---
		8260SIM	1,4-Dioxane	1 U	1 U	---
Chatsworth Formation Wells						
RD-01	05/08/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0328	0.0329	0
	08/16/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0243	0.0232	5
RD-02	11/06/06	8260B	1,1-Dichloroethene	2.5	2.1 U	---
			cis-1,2-Dichloroethene	810	840	4
			trans-1,2-Dichloroethene	29	29	NA
			Trichloroethene	910	870	4
			Vinyl chloride	16	17	NA
RD-02	11/09/06	8260B	cis-1,2-Dichloroethene	410	470	14
			trans-1,2-Dichloroethene	20	22	NA
			Trichloroethene	240	270	12
RD-04	08/15/06	8260B	1,1-Dichloroethene	4.2 U	1.4	---
			cis-1,2-Dichloroethene	120	120	NA
			trans-1,2-Dichloroethene	2.8 J	2.3	NA
			Trichloroethene	3000	2900	3
RD-05B	05/12/06	8260B	VOCs	None detected	None detected	---
RD-05C	02/06/06	8260B	VOCs	None detected	None detected	---
RD-06	08/22/06	8260B	VOCs	None detected	None detected	---
RD-09	05/16/06	8260SIM	1,4-Dioxane	1.6 J	1.9 J	NA
	11/08/06	314.0	Perchlorate	0.8 U	0.8 U	---
RD-10	08/16/06	8270C	SVOCs	None detected	None detected	---
RD-13	05/17/06	8260B	Trichloroethene	0.34 J	0.29 J	NA
	08/04/06	8260B	Methylene chloride	0.83 J,L	0.70 U	---
RD-16	08/21/06	8260B	VOCs	None detected	None detected	---
RD-18	02/23/06	8260B	VOCs	None detected	None detected	---
	08/23/06	8260B	VOCs	None detected	None detected	---
RD-19	08/15/06	8260B	Trichloroethene	5.1	0.26 U	---

See last page of Table D-II for notes and abbreviations.

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TABLE D-II

SUMMARY OF 2006 DUPLICATE SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Duplicate	
RD-30	02/17/06	8260B	cis-1,2-Dichloroethene	0.57 J	0.53 J	NA
			Tetrachloroethene	0.60 J	0.62 J	NA
			Trichloroethene	11	11	0
			Trichlorotrifluoroethane (Freon 113)	2.2 J	2.6 J	NA
RD-32	11/13/06	8015B	Gasoline Range Organics (C6-C12)	30 U	36 U	---
		8260B	VOCs	None detected	None detected	---
RD-33C	11/02/06	8260B	Acetone	7.6 J,L	4.5 U	---
RD-36C	11/13/06	8260B	1,1-Dichloroethane	0.87 J	0.96 J	NA
			1,1-Dichloroethene	4.1	5.5	29
			cis-1,2-Dichloroethene	89	86	3
			Tetrachloroethene	0.32 U	2	---
			trans-1,2-Dichloroethene	38	15	87
			Trichloroethene	1.6	56	189
			Gasoline Range Organics (C6-C12)	25 U	25 U	---
RD-38B	11/15/06	8015B	Gasoline Range Organics (C6-C12)	25 U	25 U	---
RD-39A	08/31/06	8260B	2-Hexanone	4 J,S	3.8 J,S	NA
	11/15/06	8260B	VOCs	None detected	None detected	---
RD-41A	02/09/06	1625M	n-Nitrosodimethylamine (NDMA)	0.01 U	0.01 U	---
	05/11/06	8260B	cis-1,2-Dichloroethene	2.6	3.0	14
			trans-1,2-Dichloroethene	0.54 J	0.68 J	NA
RD-41B	08/16/06	8260B	Trichloroethene	4.1	4.7	14
			1,1-Dichloroethene	4.2 U	2.6	---
			cis-1,2-Dichloroethene	530	580	NA
			trans-1,2-Dichloroethene	26	32	21
			Trichloroethene	1000	1300	NA
			Vinyl chloride	2.6 U	23	---
			Gasoline Range Organics (C6-C12)	25 U	25 U	---
RD-43C	08/21/06	8260B	VOCs	None detected	None detected	---
RD-44	11/07/06	8260B	VOCs	None detected	None detected	---
RD-45C	02/03/06	8260B	VOCs	None detected	None detected	---
RD-48B	02/23/06	8260B	VOCs	None detected	None detected	---
	08/25/06	8260B	Methylene chloride	0.82 J,L	0.83 J,L	NA
RD-49B	02/09/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0502	0.0491	2
	05/11/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0546	0.0519	5
	08/09/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0554	0.0569	3
RD-49C	11/06/06	8260B	cis-1,2-Dichloroethene	74	75	1
			Trichloroethene	15	16	6
			Vinyl chloride	2	2	0
RD-52C	08/17/06	8260B	VOCs	None detected	None detected	---
RD-55A	08/21/06	8260B	cis-1,2-Dichloroethene	0.57 J	0.59 J	NA
			Trichloroethene	2.6	2.4	8
RD-55B	05/16/06	8260B	cis-1,2-Dichloroethene	8.6	8.3	4
			Trichloroethene	15	15	0
RD-57(Z7)	05/23/06	8260B	VOCs	None detected	None detected	---
RD-58C	08/18/06	8260B	cis-1,2-Dichloroethene	0.45 J	0.52 J	NA
			Vinyl chloride	1	1.1	NA
RD-59B	02/22/06	314.0	Perchlorate	0.8 U	0.8 U	---
RD-61	08/31/06	8260B	VOCs	None detected	None detected	---

See last page of Table D-II for notes and abbreviations.

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TABLE D-II
SUMMARY OF 2006 DUPLICATE SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Duplicate	
RD-62	11/10/06	8260B	2-Butanone	74 S	69 S	7
			Acetone	160 S	150 S	6
			Ethylbenzene	0.58 J,S	0.59 J,S	NA
			m,p-Xylenes	2.0 J,S	2.0 J,S	NA
			o-Xylenes	0.30 U	0.33 J,S	---
			Toluene	43 S	43 S	0
			VOCs	None detected	None detected	---
RD-70	08/15/06	8260B	VOCs	None detected	None detected	---
RD-73	05/09/06	8260B	1,1-Dichloroethene	96 J	160	NA
			cis-1,2-Dichloroethene	400	440	NA
			Toluene	72 U	53 J	---
			Trichloroethene	16000	18000	NA
HAR-01	05/18/06	524M-TCP	1,2,3-Trichloropropane	0.0023 J	0.0017 U	---
HAR-07	02/14/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0500	0.0502	0
		8260B	cis-1,2-Dichloroethene	2600 J	2300	NA
			trans-1,2-Dichloroethene	100 J	100	NA
			Trichloroethene	6800 J	5700	NA
		Vinyl chloride	26 U	24	---	
	05/11/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0346	0.0346	0
		8260SIM	1,4-Dioxane	0.71 J	0.65 U	---
08/15/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0492	0.0445	10	
	8260SIM	1,4-Dioxane	1 U	1 U	---	
HAR-08	02/14/06	8260SIM	1,4-Dioxane	1.3	1.3	NA
	05/11/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0196	0.0183	7
	08/15/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0191	0.0183	4
HAR-16	05/10/06	1625M	n-Nitrosodimethylamine (NDMA)	6.4319	6.0726	6
		524M-TCP	1,2,3-Trichloropropane	0.011	0.0061	NA
			1,2,3-Trichloropropane	0.011	0.0097	13
HAR-17	05/10/06	1625M	n-Nitrosodimethylamine (NDMA)	0.035	0.0333	5
	09/01/06	524M-TCP	1,2,3-Trichloropropane	0.0017 U	0.0017 U	---
		8270C	SVOCs	None detected	None detected	---
HAR-20	02/22/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0645	0.0624	3
	05/16/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0672	0.0251	91
	08/31/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0640	0.0520	21
		314.0	Perchlorate	0.8 U	0.8 U	---
HAR-22	08/22/06	8260B	cis-1,2-Dichloroethene	4.7	4.4	7
			Trichloroethene	1.2	1.2	NA
HAR-23	02/16/06	1625M	n-Nitrosodimethylamine (NDMA)	0.0511	0.0344	39
	10/27/06	8260B	Trichloroethene	1.4	1.6	13
HAR-25	08/30/06	1625M	n-Nitrosodimethylamine (NDMA)	0.01 U	0.01 U	---
WS-05	05/18/06	8260B	cis-1,2-Dichloroethene	2.2	1.9	15
			Trichloroethene	0.65 J	0.58 J	NA

See last page of Table D-II for notes and abbreviations.

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TABLE D-II
SUMMARY OF 2006 DUPLICATE SAMPLE RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Date	Method	Constituent	Sample Result (ug/l)		RPD
				Primary	Duplicate	
WS-06	08/16/06	8260B	cis-1,2-Dichloroethene	66	72	9
			trans-1,2-Dichloroethene	6.6	7.4	11
			Trichloroethene	3.7	3.7	0
			Vinyl chloride	2.6	2.7	4
WS-09A	08/22/06	8260B	cis-1,2-Dichloroethene	1.8	1.8	0
			trans-1,2-Dichloroethene	0.35 J	0.36 J	NA
			Trichloroethene	0.76 J	0.75 J	NA
			08/22/06	1625M	n-Nitrosodimethylamine (NDMA)	0.01 U
OS-09R (P04)	07/27/06	200.7	Calcium (mg/l)	3.3	2.9	13
			Magnesium (mg/l)	1.9	2.1	10
			Potassium (mg/l)	0.8	0.89	NA
		200.7	Sodium (mg/l)	190	200	5
			SM2320B	Alkalinity as CaCO3 (mg/l)	260	260
		300.0	Bromide (mg/l)	0.35 U	0.35 U	---
			Chloride (mg/l)	24	24	0
			Fluoride (mg/l)	0.34 J	0.37 J	NA
			Nitrate-NO3 (mg/l)	0.66 U	0.66 U	---
			Nitrite-N (mg/l)	0.08 U	0.08 U	---
			Sulfate (mg/l)	130	130	0
			314.0	Perchlorate	0.8 U	0.8 U

See last page of Table D-II for notes and abbreviations.

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TABLE D-II
NOTES AND ABBREVIATIONS

1. 1625M = EPA method 1625M for n-Nitrosodimethylamine (NDMA).
2. 200.7 = EPA method 200.7 for calcium, magnesium, potassium, and sodium.
3. 300.0 = EPA method 300.0 bromide, chloride, fluoride, nitrate, nitrite, and sulfate.
4. 314.0 = EPA method 314.0 for perchlorate.
5. 524M-TCP = SRL method 524M-TCP for 1,2,3-Trichloropropane.
6. 8015B = EPA method 8015B modified for fuel hydrocarbons.
7. 8260B = EPA method 8260B for volatile organic compounds (VOCs).
8. 8260SIM = EPA method 8260SIM for 1,4-dioxane.
9. 8270C = EPA method 8270 for semi-volatile organic compounds (SVOCs).
10. SM2320B = EPA method SM2320B for alkalinity as CaCO₃.

11. ug/l = Micrograms per liter.
12. mg/l = Milligrams per liter.

13. RPD = Relative percent difference. RPDs were calculated only if the detected concentration exceeded the product of five times the method detection limit times the dilution factor.
14. NA = Not applicable. An RPD calculation is not valid since at least one of the laboratories reported a detectable concentration less than the product of five times the method detection limit times the dilution factor.
15. (---) = Not applicable. Constituent not detected in one or both samples.

16. J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
17. L = Laboratory contaminant.
18. P = Westbay sample port number.
19. R = Rejected result.
20. S = Suspect result.
21. U = Not detected; numerical value represents the Method Detection Limit for that compound.

22. Primary and duplicate samples were analyzed by TestAmerica (formerly Del Mar Analytical) of Irvine, California unless otherwise noted. Primary and duplicate NDMA samples were analyzed by Pacific Analytical of Carlsbad, California.

Effective 1 July 2006, Del Mar Analytical became TestAmerica.

TABLE D-III

SUMMARY OF 2006 DATA QUALIFICATION DUE TO PRESERVATION / HOLDING TIME EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	VOC Qualification
<i>Volatile Organic Compounds (ug/l)</i>							
IPE0987	Preservation	HAR-16	05/10/06	8260B	Trichloroethene	9100	J
	Preservation	HAR-17	05/10/06	8260B	Methylene chloride	0.7	UJ
IPE1128	Preservation	HAR-07	05/11/06	8260B	Acetonitrile	1600	UJ
					Allyl chloride	80	UJ
					Ethyl methacrylate	180	UJ
					Methyl methacrylate	140	UJ
					Propionitrile	1400	UJ
					Isobutanol	1400	UJ
					Chloroprene (2-chloro-1,3-butadiene)	120	UJ
					Methyl acrylonitrile	160	UJ
					Iodomethane	200	UJ
					trans-1,4-Dichloro-2-butene	220	UJ
IPH1751	HT	HAR-07	08/15/06	8260SIM	1,4-Dioxane	6.5 U	UJ
G6K170360	HT	RD-02	11/09/06	8260B	cis-1,2-Dichloroethene	490	J
					Trichloroethene	270 Q	J
IPK1654	Preservation	RD-59C	11/14/06	8260B	1,1,1-Trichloroethane	0.3 HS,U	UJ
					1,1,2,2-Tetrachloroethane	0.24 HS,U	UJ
					1,1,2-Trichloroethane	0.3 HS,U	UJ
					1,1-Dichloroethane	0.27 HS,U	UJ
					1,1-Dichloroethene	0.42 HS,U	UJ
					1,2-Dichlorobenzene	0.32 HS,U	UJ
					1,2-Dichloroethane	0.28 HS,U	UJ
					1,2-Dichloropropane	0.35 HS,U	UJ
					1,3-Dichlorobenzene	0.35 HS,U	UJ
					1,4-Dichlorobenzene	0.37 HS,U	UJ
					Methyl ethyl ketone	3.8 HS,U	UJ
					2-Hexanone	2.6 HS,U	UJ
					Methyl isobutyl ketone (MIBK)	3.5 HS,U	UJ
					Acetone	4.5 HS,U	UJ
					Benzene	0.28 HS,U	UJ
					Bromodichloromethane	0.3 HS,U	UJ
					Bromoform	0.4 HS,U	UJ

TABLE D-III
SUMMARY OF 2006 DATA QUALIFICATION DUE TO PRESERVATION / HOLDING TIME EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	VOC Qualification
<i>Volatile Organic Compounds (ug/l)</i>							
IPK1654	Preservation	RD-59C	11/14/06	8260B	Bromomethane	0.42 HS,U	UJ
					Carbon disulfide	0.48 HS,U	UJ
					Carbon tetrachloride	0.28 HS,U	UJ
					Chlorobenzene	0.36 HS,U	UJ
					Chloroethane	0.4 HS,U	UJ
					Chloroform	0.33 HS,U	UJ
					Chloromethane	0.4 HS,U	UJ
					cis-1,2-Dichloroethene	0.32 HS,U	UJ
					cis-1,3-Dichloropropene	0.22 HS,U	UJ
					Dibromochloromethane	0.28 HS,U	UJ
					Ethylbenzene	0.25 HS,U	UJ
					m-Xylene & p-Xylene	0.6 HS,U	UJ
					Methylene chloride	0.95 HS,U	UJ
					o-Xylene	0.3 HS,U	UJ
					Tetrachloroethene	0.32 HS,U	UJ
					Toluene	0.36 HS,U	UJ
					trans-1,2-Dichloroethene	0.27 HS,U	UJ
					trans-1,3-Dichloropropene	0.32 HS,U	UJ
Trichloroethene	0.26 HS,U	UJ					
Trichlorofluoromethane	0.34 HS,U	UJ					
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5 HS,U	UJ					
Vinyl chloride	0.3 HS,U	UJ					
IPK1829	Preservation	HAR-20 (trip)	11/15/06	8260B	1,1,1-Trichloroethane	0.3 HS,U	UJ
					1,1,2,2-Tetrachloroethane	0.24 HS,U	UJ
					1,1,2-Trichloroethane	0.3 HS,U	UJ
					1,1-Dichloroethane	0.27 HS,U	UJ
					1,1-Dichloroethene	0.42 HS,U	UJ
					1,2-Dichlorobenzene	0.32 HS,U	UJ

TABLE D-III
SUMMARY OF 2006 DATA QUALIFICATION DUE TO PRESERVATION / HOLDING TIME EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	VOC Qualification
<i>Volatile Organic Compounds (ug/l)</i>							
IPK1829	Preservation	HAR-20 (trip)	11/15/06	8260B	1,2-Dichloroethane	0.28 HS,U	UJ
					1,2-Dichloropropane	0.35 HS,U	UJ
					1,3-Dichlorobenzene	0.35 HS,U	UJ
					1,4-Dichlorobenzene	0.37 HS,U	UJ
					Methyl ethyl ketone	3.8 HS,U	UJ
					2-Hexanone	2.6 HS,U	UJ
					Methyl isobutyl ketone (MIBK)	3.5 HS,U	UJ
					Acetone	4.5 HS,C,U	UJ
					Benzene	0.28 HS,U	UJ
					Bromodichloromethane	0.3 HS,U	UJ
					Bromoform	0.4 HS,U	UJ
					Bromomethane	0.42 HS,U	UJ
					Carbon disulfide	0.48 HS,U	UJ
					Carbon tetrachloride	0.28 HS,U	UJ
					Chlorobenzene	0.36 HS,U	UJ
					Chloroethane	0.4 HS,U	UJ
					Chloroform	0.33 HS,U	UJ
					Chloromethane	0.4 HS,U	UJ
					cis-1,2-Dichloroethene	0.32 HS,U	UJ
					cis-1,3-Dichloropropene	0.22 HS,U	UJ
					Dibromochloromethane	0.28 HS,U	UJ
					Ethylbenzene	0.25 HS,U	UJ
					m-Xylene & p-Xylene	0.6 HS,U	UJ
					Methylene chloride	0.95 HS,U	UJ
					o-Xylene	0.3 HS,U	UJ
					Tetrachloroethene	0.32 HS,U	UJ
					Toluene	0.36 HS,U	UJ
					trans-1,2-Dichloroethene	0.27 HS,U	UJ

TABLE D-III
SUMMARY OF 2006 DATA QUALIFICATION DUE TO PRESERVATION / HOLDING TIME EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	VOC Qualification
Volatile Organic Compounds (ug/l)							
IPK1829	Preservation	HAR-20 (trip)	11/15/06	8260B	trans-1,3-Dichloropropene	0.32 HS,U	UJ
					Trichloroethene	0.26 HS,U	UJ
					Trichlorofluoromethane	0.34 HS,U	UJ
					1,1,2-Trichloro-1,2,2-trifluoroethane	1.5 HS,U	UJ
					Vinyl chloride	0.3 HS,U	UJ
Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	Inorganics Qualification
Inorganics							
IPB0321	HT	RD-52C	02/02/06	150.1	pH	7.15 pH units	J
IPB0781	HT	RD-77, RD-84, WS-13	02/08/06	150.1	pH	6.72, 6.91, 7.52 pH units	J
IPB0920	HT	RD-51B, RD-51C	02/09/06	160.1	Total Dissolved Solids	660, 630 mg/l	J
				120.1	Specific Conductance	1100, 1100 umhos/cm	J
IPB0923	HT	WS-12	02/08/06	150.1	pH	7.23 pH units	J
IPB1366	HT	RD-75	02/14/06	150.1	pH	7.18 pH units	J
IPB1499	HT	RD-78, RD-80	02/15/06	150.1	pH	6.93, 7.07 pH units	J
IPB2060	HT	RD-43B, RD-43C, RD-71	02/22/06	150.1	pH	7.26, 7.23, 7.29 pH units	J
IPB2061	HT	OS-02, OS-03, OS-04	02/22/06	150.1	pH	8.31, 7.68, 7.2 pH units	J
IPB2062	HT	RD-59B, RD-59C	02/22/06	150.1	pH	7.62, 7.78 pH units	J
IPB2184	HT	OS-09, OS-10	02/23/06	150.1	pH	8.62, 8.4 pH units	J
IPB2185	HT	RD-68A, RD-68B, RD-82, WS-04A	02/23/06	150.1	pH	8.12, 7.46, 7.07, 7.18 pH units	J
IPE1833	HT	RD-58A	05/18/06	8315	Formaldehyde	23 U mg/l	UJ
IPE1835	HT	WS-05	05/18/06	8315	Formaldehyde	23 U mg/l	UJ
IPE1837	HT	RD-36B	05/18/06	150.1	pH	6.62 pH units	J
IPE2367	HT	WS-09B	05/23/06	150.1	pH	6.95 pH units	J
IPE2240	HT	OS-09	05/23/06	150.1	pH	8.29 pH units	J
IPH1140	HT	RD-49A, RD-49B, RD-49C	08/09/06	8351A	Formaldehyde	23 U mg/l	UJ

TABLE D-III
SUMMARY OF 2006 DATA QUALIFICATION DUE TO PRESERVATION / HOLDING TIME EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Preservation and/or Holding Time Exceeded?	Affected Field Samples	Date Sampled	Method	Target Compound(s)	Concentration	Inorganics Qualification
<i>Inorganics</i>							
IPH1193	HT	RD-09	08/10/06	8351A	Formaldehyde	23 U mg/l	UJ
IPH1749, IPH1751	HT	RD-01, RD-10, RD-41A, RD-41B, WS-06, WS-09	08/16/06	8351A	Formaldehyde	23 U mg/l	UJ
IPH1936	HT	HAR-16	08/17/06	8351A	Formaldehyde	23 U mg/l	UJ
IPH2372, IPH2373	HT	RD-55B, WS-09A	08/22/06	8351A	Formaldehyde	23 U mg/l	UJ
IPH2506	HT	RD-44	08/23/06	8351A	Formaldehyde	23 U mg/l	UJ
IPH2667	HT	WS-05	08/24/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK0548	HT	RD-01	11/06/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK0779	HT	RD-44, RD-49A, RD-49B, RD-51B, RD-51C, RD-55A	11/07/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK0968	HT	RD-04, RD-09, HAR-07, WS-09	11/08/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK1153	HT	HAR-08, RD-41A, RD-41B, RD-55B, RD-58B	11/09/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK1154	HT	RD-02, HAR-18, WS-06, WS-09A	11/09/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK1466	HT	RD-58A	11/13/06	8351A	Formaldehyde	23 U mg/l	UJ
IPK1829	HT	HAR-20	11/15/06	8351A	Formaldehyde	23 U mg/l	UJ

TABLE D-III**NOTES AND ABBREVIATIONS:**

1. mg/l = Milligrams per liter.
 2. ug/l = Micrograms per liter.
 3. umhos/cm = Micromhos per centimeter.
 4. trip = Trip blank.
 5. C = Calibration Verification recovery was above the method detection limit for this analyte. Analyte not detected, data not impacted.
 6. J = Estimated value as a result of holding time and/or preservation exceedance.
 7. R = Rejected.
 8. U = Not detected; numerical value represents the Method Detection Limit for that compound.
 9. UJ = Not detected. Estimated detection limit as a result of holding time and/or preservation exceedance.
 10. HS = Sample container contained headspace.
 11. HT = Holding time.
 12. Q = Elevated reporting limit due to high analyte levels.
13. If preservation and/or holding time was exceeded, qualify associated target analyte positive results as "J" and non-detects as "UJ". If preservation and/or holding time was grossly exceeded, qualify associated target positive results as "J" and non-detected analytes as "R".

TABLE D-IV

SUMMARY OF 2006 DATA QUALIFICATION DUE TO BLANK SAMPLE CONTAMINATION
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
General Minerals (mg/l)							
6B20077-BLK1	Method	02/09/06	IPB0920	Ammonia	0.129 J	0.645	RD-41A, RD-51B, RD-51C
6B21085-BLK1	Method	02/13/06	IPB1230	Ammonia	0.139 J	0.695	RD-44
6B21121-BLK1	Method	02/13/06	IPB1231	Ammonia	0.139 J	0.695	WS-05
6B21121-BLK1	Method	02/14/06	IPB1363,	Ammonia	0.125 J	0.625	RD-10, HAR-07, HAR-08
C6B2408-BLK1	Method	02/22/06	IPB2059	Formaldehyde	27.4 B,J	137	HAR-20
C6E1217-BLK1	Method	05/10/06 - 05/11/06	IPE0986, IPE1126, IPE1128	Formaldehyde	64.7 B	323.5	RD-41B, RD-41A, RD-49B, RD-51C, RD-51B, HAR-07, HAR-08
C6K0915-BLK1	Method	11/06/06-11/07/06	IPK0553, IPK0778, IPK0779	Formaldehyde	33.2 B,J	166	RD-10, RD-49C, WS-05
6K14125-BLK1	Method	11/07/06	IPK0778, IPK0779	Ammonia	0.0722 J	0.361	RD-10, RD-51C, RD-55A, WS-05
6K15121-BLK1	Method	11/08/06	IPK0968	Ammonia	0.125 J	0.625	RD-09, HAR-07, WS-09
6K16042-BLK1	Method	11/15/06	IPK1829	Fluoride	0.168 J	0.84	HAR-20
Semi-Volatile Organic Compounds (ug/l)							
W6E0291-BLK1	Method	05/05/06	IPE0592	Diethylphthalate Bis(2-Ethylhexyl)phthalate	0.450 J 0.48 J	4.5 4.8	HAR-15 HAR-15
W6E0516-BLK1	Method	05/08/06 - 05/09/06	IPE0717, IPE0836	Bis(2-Ethylhexyl)phthalate	0.810 J	8.1	RS-08, HAR-14
W6E0666-BLK1	Method	05/10/06 - 05/11/06	IPE0987, IPE1128	Bis(2-Ethylhexyl)phthalate	0.450 J	4.5	SH-04, HAR-07, HAR-17, HAR-16
6K19032-BLK1	Method	11/15/06	IPK1829	Butyl benzyl phthalate	5.64 J	56.4	HAR-20
Volatile Organic Compounds (ug/l)							
RD-45C_020306_78_D	Trip	02/03/06	IPB0321	Methylene chloride	1.1 J	11	RD-52B
6B23037-BLK1	Method	02/13/06	IPB1230	Methylene chloride	0.540 J	5.4	RD-44
HAR-08_021406_78_D	Trip	02/14/06	IPB1363	Methylene chloride	0.71 J	7.1	RD-10
RD-10_021406_78_D	Trip	02/14/06	IPB1363	Methylene chloride	0.65 J	6.5	RD-10
RD-03_021406_78_D	Trip	02/14/06	IPB1387	Methylene chloride	0.78 J	7.8	RS-13 (prim, field), RD-03
RS-07_021506_78_D	Trip	02/15/06	IPB1500	Methylene chloride	1.8 J	18	RS-07
RD-50(Z2)_021506_19_D	Field	02/15/06	IPB1573	Methylene chloride	1.5 J	15	RD-50(Z2)
RD-33A(Z2)_021706_78_C	Trip	02/17/06	IPB1769	Methylene chloride	1.7 J	17	RS-28, RD-23(Z3), RD-30 (prim, dup), RD-34B, RD-33A(Z2)
RD-34B_021706_78_D	Trip	02/17/06	IPB1769	Methylene chloride	1.1 J	11	RS-28, RD-23(Z3), RD-30 (prim, dup), RD-34B, RD-33A(Z2)
6B28009-BLK1	Method	02/17/06	IPB1769	Toluene	0.83 J	4.15	RD-23(Z3)
RS-18_022006_78_D	Trip	02/20/06	IPB1904	Methylene chloride	0.81 J	8.1	RD-27, RD-54B, RD-57(Z7)
6C02003-BLK1	Method	02/21/06	IPB1947	4-Methyl-2-pentanone (MIBK)	3.65 J	18.25	RD-32

See last page of Table D-IV for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
HAR-14_050806_78_D	Trip	05/08/06	IPE0717	Methylene chloride	1.4 J	14	HAR-14
RS-08_050906_78_D	Trip	05/09/06	IPE0836	Methylene chloride	1.7 B, J	17	RS-08
6E17017-BLK1	Method	05/09/06	IPE0836, IPE0871	Methylene chloride	1.7 J	17	RS-08 (prim, trip), RD-97
P6E1716-BLK1	Method	05/10/06	IPE0986	1,4-Dioxane	0.340 J	1.7	RD-51B
HAR-16_051006_78_D, SH-04_051006_78_D, HAR-17_051006_78_D	Trip	05/10/06	IPE0987	Isobutanol (2-Methyl-1-Propanol)	20, 24, 25	100,120,125	HAR-17, SH-04
6E18022-BLK1	Method	05/10/06	IPE0987	Methylene chloride	1.56 J	15.6	SH-04
6E18017-BLK1	Method	05/11/06	IPE1126, IPE1195	Methylene chloride	3.59 J	35.9	RS-32, RD-41A (prim, dup), RD-41B (prim, field, trip), RD-51C (prim, trip), HAR-08
RD-41B_051106_78_D; RD-51C_051106_78_D	Trip	05/11/06	IPE1126	Methylene chloride	1.2 J, 1.2 J	12	RD-49B
RD-49C_051506_78_D	Trip	05/15/06	IPE1418	Methylene chloride	1.3 J	13	RD-49C
RD-56B_051506_19_D	Field	05/15/06	IPE1438	Acetone	4.7 J	47	RD-56B
RS-19_051506_78_D	Trip	05/15/06	IPE1438	Methylene chloride	1.6 J	16	RD-06
RD-58B_051606_78_D	Trip	05/16/06	IPE1527	Methylene chloride	2.6 J	26	RD-55A, RD-55B (prim, dup), RD-58B, HAR-20
6E20009-BLK1	Method	05/16/06	IPE1527, IPE1531	Acetone	4.99 J	49.9	RD-09 (field), RD-58B (trip)
RD-09_051606_78_D	Trip	05/16/06	IPE1531	Methylene chloride	3.3 J	33	RD-09 (prim, field)
6E19029-BLK1	Method	05/17/06	IPE1701	Methylene chloride	2.27 J	22.7	RD-43A (prim, trip), RD-43B (prim, field), RD-43C
6E23030-BLK1	Method	05/17/06	IPE1701, IPE1740	Methylene chloride	2.53 J	25.3	RD-13 (prim, dup, trip), RD-37, RD-38B
RD-66_051906_19_D	Field	05/19/06	IPE1958	Methylene chloride	2.4 J	24	RD-66
RD-53_051906_19_D	Field	05/19/06	IPE1958	Methylene chloride	2.5 J	25	RD-53
RD-66_051906_78_D	Trip	05/19/06	IPE1958	Methylene chloride	4.1 J	41	RD-36C, RD-53 (prim, field), RD-66 (prim, field), RD-71
RD-33C_052206_78_D	Trip	05/22/06	IPE2133	Methylene chloride	1.3 J	13	RD-33C (prim, field)
RD-19_052306_78_D	Trip	05/23/06	IPE2262	Methylene chloride	2.4 J	24	RD-19, RD-22(Z2)
ES-30_060106_78_D	Trip	06/01/06	IPF0146	Methylene chloride	1.0 J	10	ES-23, ES-30 (field)
				Trichlorotrifluoroethane (Freon 113)	1.3 J	6.5	ES-23
ES-30_060106_19_D	Field	06/01/06	IPF0146	1,1-Dichloroethene	0.44 J	2.2	ES-30

See last page of Table D-IV for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
6H17023-BLK1	Method	08/03/06	IPH0590	Methylene chloride	3.08 J	30.8	RD-37
RD-03_080406_78_T	Trip	08/04/06	IPH0590	Methylene chloride	0.96 J	9.6	RD-36B
6H25025-BLK1	Method	08/14/06	IPH1469	Methylene chloride	1.00 J	10	RD-56B (prim, field, trip)
6H28018-BLK1	Method	08/15/06	IPH1622, IPH1749, IPH1751	Chloroform	0.51 J	2.55	RD-10, RD-41A, RD-41B, RD-70 (field, trip), WS-09 (trip)
WS-09_081606_78_T	Trip	08/16/06	IPH1751	Methylene chloride	1.2 J	12	RD-01
RD-41B_081606_78_T	Trip	08/16/06	IPH1749	Methylene chloride	0.88 J	8.8	RD-10, RD-41A
RD-50(Z2)_081606_78_T	Trip	08/16/06	IPH1803	Methylene chloride	1.1 J	11	RD-07(Z3), RD-21(Z2), RD-22(Z2), RD-50(Z2)
6H30113-BLK1	Method	08/18/06-08/21/06	IPH2081, IPH2218	Methylene chloride	1.44 J	14.4	RD-45B (prim, trip), RD-55A, RD-58C (prim, dup)
RD-27_082506_78_T	Trip	08/25/06	IPH2864	Methylene chloride	1.5 J	15	RD-27 (prim, field)
RD-92_082506_78_T	Trip	08/25/06	IPH2864	Methylene chloride	1.9 J	19	RD-92
6H30021-BLK1	Method	08/21/06, 08/22/06	IPH2224, IPH2225, IPH2372, IPH2373, IPH2404	Methylene chloride	1.26 J	12.6	RD-16 (prim, dup, field, trip), RD-43B (prim, trip), RD-43C (prim, dup, trip), RD-55B (prim, trip), RD-67, WS-09A (prim, dup),
RD-48C_082406_78_T	Trip	08/24/06	IPH2722	Methylene chloride	1.0 J	10	RD-48C (prim, field), WS-04A
RD-53_082406_78_T	Trip	08/24/06	IPH2722	Methylene chloride	1.1 J	11	RD-39B
ES-17_083006_78_T	Trip	08/30/06	IPH3230	Methylene chloride	1.2 J	12	ES-06, ES-24
				Trichloroethene	0.31 J	1.55	ES-06
HAR-20_083106_78_T	Trip	08/31/06	IPH3334	Methylene chloride	1.4 J	14	HAR-20
6I08033-BLK1	Method	08/31/06	IPH3335	Methylene chloride	0.710 J	7.1	RD-39A
6I09015-BLK1	Method	09/01/06	IPI0116	Methylene chloride	1.01 J	10.1	RD-36A, RD-69
RD-43A_103106_78_T	Trip	10/31/06	IPJ3159	Methylene chloride	1.5 J	15	RD-05B, RD-05C, RD-43A (prim, field), RD-43B, RD-61
RD-01_110606_78_T	Trip	11/06/06	IPK0548	Methylene chloride	0.96 J	9.6	RD-01 (prim, dup, field)
6K11012-BLK1	Method	11/06/06	IPK0553	cis-1,2-Dichloroethene	1.82 B	9.1	RD-49C (trip)
Fuel Hydrocarbons (mg/l)							
6E17046-BLK1	Method	05/11/06	IPE1195	Gasoline Range Organics (C6-C12)	34.9 J	174.5	RS-31, RS-32
6E24065-BLK1	Method	05/18/06	IPE1837	Extractable Fuel Hydrocarbons (C8-C30)	0.0527	0.264	RD-83
6E25148-BLK1	Method	05/18/06-05/19/06	IPE1837, IPE1958	Gasoline Range Organics (C6-C12)	31.1 J	155.5	RD-36B, RD-36C, RD-36D, RD-53
6H24054-BLK1	Method	08/17/06	IPH1977, IPH1936	Extractable Fuel Hydrocarbons (C8-C30)	0.0650 B,J	0.325	PZ-048, HAR-16
6I05054-BLK1	Method	08/30/06	IPH3206	Extractable Fuel Hydrocarbons (C8-C30)	0.0453 J	0.2265	HAR-24
RD-32_110306_19_T	Field	11/03/06	IPK0456	Gasoline Range Organics (C6-C12)	32 J	160	RD-32 (prim, dup)
P6K1620-BLK1	Method	11/03/06	IPK1018	Gasoline Range Organics (C6-C12)	0.0223 J	0.112	RD-32 (split)

See last page of Table D-IV for notes and abbreviations.

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VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
Trace Metals (mg/l)							
6B20088-BLK1	Method	02/16/06	IPB1648	Selenium	0.000662 J	0.0062	RD-21(Z2), RD-54A(Z2)
6B22078-BLK1	Method	02/02/06-02/21/06	IPB1904, IPB1952	Chromium	0.00117 J	0.0117	RS-18, RD-34A, RD-57(Z7)
6B23080-BLK1	Method	02/22/06	IPB2062	Antimony	0.000208 J	0.00208	RD-59B, RD-59C
				Cobalt	0.000131 J	0.00131	RD-59B, RD-59C
				Lead	0.00005 J	0.0005	RD-59C
				Thallium	0.000171 J	0.00171	RD-59C
				Zinc	0.00206 J	0.0206	RD-59B, RD-59C
6B25037-BLK1	Method	02/21/06-02/23/06	IPB2271	Antimony	0.000067 J	0.00067	RS-54, RD-54C
6E08118-BLK1	Method	05/05/06	IPE0592	Arsenic	0.000994 J	0.00994	HAR-15
				Cadmium	0.000064 J	0.00064	HAR-15
				Chromium	0.000588 J	0.00588	HAR-15
6E09090-BLK1	Method	05/08/06	IPE0717	Arsenic	0.000713 J	0.00713	HAR-14
6E11123-BLK1	Method	05/09/06 - 05/10/06	IPE0836, IPE0897	Zinc	0.00185 J	0.0185	RS-08, SH-04
6E15097-BLK1	Method	05/11/06	IPE1126	Chromium	0.00109 J	0.0109	RD-49B
6E17081-BLK1	Method	05/11/06	IPE1126	Molybdenum	0.000302 J	0.00302	RD-41B
6E13050-BLK1	Method	05/11/06	IPE1128	Zinc	0.002884 J	0.02884	HAR-07
		05/19/06, 05/23/06	IPE1958, IPE2367	Cadmium	0.000035 J	0.00035	RD-81, HAR-19
6E25075-BLK1	Method	05/23/06	IPE2367	Cobalt	0.0000398 J	0.000398	HAR-19
6H15069-BLK1	Method	08/08/06-08/09/06	IPH0905, IPH1014	Cadmium	0.0000260 J	0.00026	RD-15, RD-42
		08/09/06	IPH1014	Lead	0.0000730 J	0.00073	RD-42
6H17159-BLK1	Method	08/10/06	IPH1164, IPH1161	Chromium	0.000730 J	0.0073	RD-54C, RD-49A
6H19045-BLK1	Method	08/11/06, 08/14/06-08/15/06	IPH1310, IPH1468, IPH1469, IPH1620	Lead	0.0000680 J	0.00068	RD-56B, RD-78, RD-80, RD-81, RD-83
		08/15/06	IPH1617	Zinc	0.00250 J	0.025	HAR-07
6H23137-BLK1	Method	08/16/06	IPH1801, IPH1803	Lead	0.0000750 J	0.00075	RD-01, RD-21(Z2)
			IPH1803	Zinc	0.00176 J	0.0176	RD-21(Z2)

See last page of Table D-IV for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
6H25065-BLK1	Method	08/17/06	IPH1950, IPH1952, IPH1936, IPH1977, IPH2079, IPH2077	Lead	0.000122 J	0.00122	PZ-020, PZ-045, PZ-071, RD-23(Z3), RD-72(Z4), RD-77, HAR-16
				Silver	0.0000480 J	0.00048	PZ-071, RD-54A(Z2), RD-72(Z4), RD-77, HAR-16
				Zinc	0.00207 J	0.0207	PZ-020, PZ-045, PZ-071, RD-23(Z3), RD-72(Z4)
6H29055-BLK1	Method	8/21/06, 08/23/06	IPH2223, IPH2507	Nickel	0.000642 J	0.00642	PZ-114, RD-54B, RD-59A, RD-59B, RD-59C
				Zinc	0.00184 J	0.0184	PZ-114, RD-59B, RD-59C
6H31155-BLK1	Method	08/24/06	IPH2733, IPH2730, IPH2728, IPH2861, IPH2854, IPH3091	Zinc	0.00256 J	0.0256	HAR-06, HAR-04, HAR-27, HAR-11, RD-86, HAR-29
6I05122-BLK1	Method	8/31/06-9/01/06	IPI0110, IPH3341, IPI0110	Chromium	0.00104 J	0.0104	HAR-15
				Zinc	0.00469 J	0.0469	RS-08, HAR-15
6J31088-BLK1	Method	10/27/06	IPJ2915	Zinc	0.00218 J	0.0218	HAR-11
6K03069-BLK1	Method	11/02/06	IPK0269	Zinc	0.00138 J	0.0138	RS-20
6K14121-BLK1	Method	11/07/06, 11/09/06	IPK0807, IPK0808, IPK0809, IPK1159, IPK1862	Antimony	0.000270 J	0.0027	RD-10, RD-41A, RD-49A, RD-51B, HAR-25

See last page of Table D-IV for notes and abbreviations.

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 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Blank Sample Identification	Blank Sample Type	Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples	
6K14121-BLK1	Method	11/07/06-11/09/06	IPK0807, IPK0808, IPK0809, IPK1015, IPK1159, IPK1160, IPK1862	Molybdenum	0.00128 J	0.0128	RD-10, RD-41A, RD-49A, RD-51B, RD-75, HAR-24, HAR-25	
				IPK0807, IPK0808, IPK0809, IPK1015, IPK1160	Silver	0.000745 J	0.00745	RD-10, RD-49A, RD-51B, RD-75, HAR-24
6K17115-BLK1	Method	11/14/06	IPK1655, IPK1656	Antimony	0.000125 J	0.00125	RD-78, HAR-06	
				IPK1655, IPK1656	Cadmium	0.0000270 J	0.00027	RD-78, HAR-06
				IPK1655, IPK1656	Cobalt	0.000233 J	0.00233	RD-78, HAR-06
				IPK1655, IPK1656	Molybdenum	0.000493 J	0.00493	RD-78, HAR-06
				IPK1655, IPK1656	Thallium	0.000584 J	0.00584	RD-78, HAR-06
				IPK1656	Zinc	0.00227 J	0.0227	HAR-06
6L01063-BLK1	Method	11/27/06-11/29/06	IPK3021, IPK3150	Antimony	0.000051 J	0.00051	PZ-017A, PZ-071, PZ-126	

See last page of Table D-IV for notes and abbreviations.

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TABLE D-IV**NOTES AND ABBREVIATIONS**

1. mg/l = Milligrams per liter.
2. ug/l = Micrograms per liter.
3. Prim = Primary sample.
4. Dup = Duplicate sample.
5. Field = Field equipment blank.
6. Method = Method blank.
7. Trip = Trip blank.
8. B = Analyte was detected in the associated method blank.
9. J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
10. U = Not detected; numerical value represents the Method Detection Limit for that compound.
11. Z = FLUTE sample port number.

TABLE D-V
SUMMARY OF 2006 DATA QUALIFICATION DUE TO SURROGATE RECOVERY EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Affected Field Samples	Date Sampled	Method	Surrogate	%Surrogate Criteria	%Recovery	Target Compound(s)	Concentration (ug/l)	SVOC Qualification
Semi-Volatile Organic Compounds (ug/l)									
IPK1154	HAR-18	11/09/06	8270C	(*)	(*)	(*)	1,2,4-Trichlorobenzene	2.4 U	R
							1,2-Dichlorobenzene	2.8 U	R
							1,2-Diphenylhydrazine	1.9 U	R
							1,3-Dichlorobenzene	2.8 U	R
							1,3-Dinitrobenzene	2.8 U	R
							1,4-Dichlorobenzene	2.4 U	R
							2,4,6-Trichlorophenol	2.8 U	R
							2,4-Dichlorophenol	1.9 U	R
							2,4-Dimethylphenol	3.3 U	R
							2,4-Dinitrophenol	4.2 U	R
							2,4-Dinitrotoluene	1.9 U	R
							2,6-Dinitrotoluene	1.9 U	R
							2-Chloronaphthalene	1.9 U	R
							2-Chlorophenol	1.9 U	R
							2-Nitrophenol	3.3 U	R
							3,3'-Dichlorobenzidine	2.8 U	R
							4,6-Dinitro-o-cresol	3.8 U	R
							4-Bromophenyl phenyl ether	2.4 U	R
							4-Chlorophenylphenyl ether	1.9 U	R
							4-Nitrophenol	5.2 U	R
							Acenaphthene	1.9 U	R
							Acenaphthylene	1.9 U	R
							Anthracene	1.9 U	R
							Benzidine	8 U	R
							Benzo(a)anthracene	1.9 U	R
							Benzo(a)pyrene	1.9 L, U	R
							Benzo(b)fluoranthene	1.9 L, U	R
							Benzo(ghi)perylene	2.8 U	R
							Benzo(k)fluoranthene	1.9 L, U	R
							bis(2-Chloroethoxy)methane	1.9 U	R
							bis(2-Chloroethyl) ether	2.4 U	R
							bis(2-Chloroisopropyl) ether	2.4 C, L, U	R
							bis(2-Ethylhexyl) phthalate	3.8 U	R
							Butyl benzyl phthalate	3.8 U	R
							Chrysene	1.9 U	R
							Dibenzo(a,h)anthracene	2.8 U	R
							Diethyl phthalate	1.9 U	R
							Dimethyl phthalate	1.9 U	R

See last page of Table D-V for notes and explanations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Lab Report	Affected Field Samples	Date Sampled	Method	Surrogate	%Surrogate Criteria	%Recovery	Target Compound(s)	Concentration (ug/l)	SVOC Qualification
Semi-Volatile Organic Compounds (ug/l)									
IPK1154	HAR-18	11/09/06	8270C	(*)	(*)	(*)	Di-n-butyl phthalate	1.9 U	R
							di-n-Octyl phthalate	1.9 U	R
							Fluoranthene	1.9 U	R
							Fluorene	1.9 U	R
							Hexachlorobenzene	2.4 U	R
							Hexachlorobutadiene	3.3 U	R
							Hexachloroethane	2.8 U	R
							Indeno(1,2,3-cd)pyrene	2.8 U	R
							Isophorone	1.9 U	R
							Naphthalene	2.4 U	R
							Nitrobenzene	2.4 U	R
							N-Nitrosodimethylamine	2.4 U	R
							N-Nitrosodi-n-propylamine	2.4 L, U	R
							N-Nitrosodiphenylamine	1.9 U	R
							p-Chloro-m-cresol	1.9 U	R
							Pentachlorophenol	3.3 U	R
							Phenanthrene	1.9 C-2, U	R
							Phenol	1.9 U	R
Lab Report	Affected Field Samples	Date Sampled	Method	Surrogate	%Surrogate Criteria	%Recovery	Target Compound(s)	Concentration (ug/l)	VOC Qualification
Volatile Organic Compounds									
IPB1365	HAR-07	02/14/06	8260B	S01	80-120	126	cis-1,2-Dichloroethene	2600	J
							Trans-1,2-Dichloroethene	100	J
							Trichloroethene	6800	J
IPB1387	HAR-22	02/14/06	8260B	S01	80-120	123	cis-1,2-Dichloroethene	7.1	J
							Trichloroethene	1.9	J
IPB1499	SH-03	02/15/06	8260B	S01	80-120	121	Carbon tetrachloride	100	J
							Chloroform	280	J
							cis-1,2-Dichloroethene	19	J
							1,1,1-Trichloroethane	6.7	J
							1,1-Dichloroethane	35	J
							1,1-Dichloroethene	9.0	J
							1,2-Dichloroethane	42	J
							Tetrachloroethene	11	J
							Trichloroethene	130	J
IPB1649	HAR-23	02/16/06	8260B	S01	80-120	121	Trichloroethene	1.4	J
IPK1154	HAR-18	11/09/06	8260SIM	S01	80-120	121	1,4-dioxane	16	J

See last page of Table D-V for notes and explanations.

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TABLE D-V
NOTES AND ABBREVIATIONS

1. mg/l = Milligrams per liter.
 2. ug/l = Micrograms per liter.
 3. umhos/cm = Micromhos per centimeter.
 4. C = Calibration Verification recovery was above the method detection limit for this analyte. Analyte not detected, data not impacted.
 5. C-2 = Calibration Verification recovery was below the method detection limit for this analyte, however the average % difference for all analytes met the method criteria.
 6. J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than
 7. or equal to the Method Detection Limit (MDL).
 8. L = Laboratory Control Sample recovery was above the method control limits. Analyte not detected, data not impacted.
 9. U = Not detected; numerical value represents the Method Detection Limit for that compound.
 10. UJ = Not detected. Estimated detection limit as a result of surrogate recovery falling below the acceptance limit.
 11. R = Rejected result.

- 12a. SVOC Qualification = If 2 or more surrogates in either semi-volatile fraction (base/neutral or acid fraction) have % recoveries greater than the upper acceptance limit, the associated target analyte is qualified "J" for positive results and not qualified for non-detects. If 2 or more surrogates in either semi-volatile fraction (base/neutral or acid fraction) have % recoveries >10% but less than the lower acceptance limit, the associated target analyte is qualified "J" for positive results and "UJ" for non-detects. In the case where 2 or more surrogates are out in either fraction, one with a recovery greater than the upper acceptance limit and one with a recovery >10% but less than the lower acceptance limit, the associated target analyte is qualified "J" for positive results and "UJ" for non-detects. If any surrogate in either semi-volatile fraction (base/neutral or acid fraction) show less than 10% recovery, associated target analyte positive results, within that fraction, are qualified "J" and non-detects are qualified "R".

12b. (*) =

Lab Report	Analyte Name	%Surrogate Criteria	%Recovery
IPK1154	Phenol-d6	35-120	1
	2-Fluorophenol	30-120	1
	2,4,6-Tribromophenol	40-120	0
	Nitrobenzo-d5	40-120	1
	2-Fluorobiphenyl	45-120	1
	Terphenyl-d14	45-120	0

- 13a. VOC Qualification = If % recovery is greater than the upper acceptance limit, the associated target analyte is qualified "J" for positive results and not qualified for non-detects. If % recovery is less than the lower acceptance limit, the associated target analyte is qualified "J" for positive results and "UJ" for non-detects. If % recovery is less than 10%, the associated target analyte is qualified "J" for positive results and "R" for non-detects.

- 13b. S01 = Dibromofluoromethane.

TABLE D-VI

SUMMARY OF 2006 DATA QUALIFICATION DUE TO LCS/LCSD, MS/MSD RECOVERY EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

<i>Inorganics</i>								
MS/MSD Sample Identification	Sample Type	Lab Report	Target Compound(s) Outside of Recovery Limits	% Recovery Criteria	% Recovery	Affected Field Samples	Date Sampled	Inorganics Qualification
6B21052-MSD1	MSD	IPB1869, IPB1947	Sulfate	80 - 120	74	RD-32, RD-38B, RD-66, RD-83, OS-17, OS-28	02/20/06-02/21/06	J
<i>Metals</i>								
MS/MSD or LCS/LCSD Sample Identification	Sample Type	Lab Report	Target Compound(s) Outside of Recovery Limits	% Recovery Criteria	% Recovery	Affected Field Samples	Date Sampled	Metals Qualification
6B28108-MS1/MSD1	MS/MSD	IPB1952	Cyanide	70 - 115	66, 66	RD-34A, RD-34C	02/21/06	UJ
6C16151-MS1/MSD1	MS/MSD	IPC1805	Hexavalent Chromium	85 - 115	33, 33	RD-86	03/16/06	UJ
6H29055-MS1/MSD1	MS/MSD	IPH2507	Zinc	75 - 125	68, 68	RD-54B, RD-59A	08/23/06	J
6K14121-MSD1	MSD	IPK0807, IPK0808, IPK0809, IPK1015, IPK1159, IPK1160, IPK1862	Manganese	75 - 125	134	RD-10, RD-41A, RD-49A, RD-51B, RD-75, HAR-24, HAR-25	11/07/06-11/09/06	J
<i>Semi-Volatile Organic Compounds (SVOCs)</i>								
MS/MSD or LCS/LCSD Sample Identification	Sample Type	Lab Report	Target Compound(s) Outside of Recovery Limits	% Recovery Criteria	% Recovery	Affected Field Samples	Date Sampled	SVOC Qualification
6C22051-BS1/BSD1	LCS/LCSD	IPC1805	Diethyl phthalate	55 - 120	44, 36	RD-86	03/16/06	R
		IPC1805	Dimethyl phthalate	30 - 120	22, 13	RD-86	03/16/06	R
6E13001-BS1	LCS	IPE0725, IPE0835	4,6-Dinitro-2-methylphenol	50 - 120	16	RD-10, RD-01, RD-02	05/08/06-05/09/06	R
			2,4-Dinitrophenol	40 - 120	---			R
			2-Nitrophenol	55 - 120	32			R
			4-Nitrophenol	45 - 120	16			R
			Pentachlorophenol	50 - 120	7			R
			2,4,6-Trichlorophenol	60 - 120	47			R
6E15090-BSD1	LCSD	IPE0986	Benzidine	20 - 160	---	RD-51B	05/10/06	R
6E22084-BSD1	LCSD	IPE1418	2,4,6-Trichlorophenol	60 - 120	57	RD-49C	05/15/06	R
6H16065-BS1/BSD1	LCS/LCSD	IPH1140	Benzidine	20 - 160	15, 27	RD-49A, RD-49B	08/09/06-08/10/06	R
6H17059-BS1/BSD1	LCS/LCSD	IPH1140, IPH1193	Diethyl phthalate	55 - 120	45, 39	RD-09, RD-49C	08/10/06	R
			Dimethyl phthalate	30 - 120	20, 22	RD-09, RD-49C	08/10/06	R
6H21077-MS1/MSD1	MS/MSD	IPH1452	Benzidine	20 - 160	13, 8	RD-51B, RD-51C	08/14/06	R
6H21077-BS1	LCS	IPH1452, IPH1581, IPH1582	Di-n-octyl phthalate	60 - 130	54	RD-02, RD-04, RD-51B, RD-51C, RD-58A, RD-58B, HAR-08	8/14/06-08/15/06	R

See last page of Table D-VI for notes and abbreviations.

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TABLE D-VI

SUMMARY OF 2006 DATA QUALIFICATION DUE TO LCS/LCSD, MS/MSD RECOVERY EXCEEDANCE
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Semi-Volatile Organic Compounds (SVOCs)								
MS/MSD or LCS/LCSD Sample Identification	Sample Type	Lab Report	Target Compound(s) Outside of Recovery Limits	% Recovery Criteria	% Recovery	Affected Field Samples	Date Sampled	SVOC Qualification
6H24159-BS1/BSD1	LCS/LCSD	IPH1936	Diethyl phthalate	55 - 120	49, 46	RD-77	08/17/06	R
6I06062-BS1	LCS	IPH3334	Benzidine	20 - 160	15	HAR-20	08/31/06	R
		IPH3334	Diethyl phthalate	55 - 120	54	HAR-20	08/31/06	R
6I07056-BS1	LCS	IPI0036	Benzidine	25 - 160	13	RS-08 (prim, dup, field)	08/31/06	R
W6I0103-BS1	LCS	IPI0109	2,4-Dinitrotoluene	78 - 113	72	HAR-17 (split)	09/01/06	R
6K17159-BS1/BSD1	LCS/LCSD	IPK1466	Benzidine	25 - 160	---	RD-58A	11/13/06	R
6K19032-BS1	LCS/LCSD	IPK1829	Benzidine	25 - 160	---	HAR-20	11/15/06	R
6K13102-BS1/BSD1	LCS/LCSD	IPK1862	Benzidine	25 - 160	---	HAR-25	11/07/06	R
Volatile Organic Compounds (VOCs)								
MS/MSD or LCS/LCSD Sample Identification	Sample Type	Lab Report	Target Compound(s) Outside of Recovery Limits	% Recovery Criteria	% Recovery	Affected Field Samples	Date Sampled	VOC Qualification
6B13029-MSD1	MSD	IPB0321	Trichlorofluoromethane	55 - 145	53	RD-45C(prim, dup), RD-47, RD-52C(prim, trip), RD-70(prim, field, trip)	02/03/05	UJ
6B24009-MSD1	MSD	IPB1363	cis-1,2-Dichloroethene	60 - 130	131	RD-10, HAR-08	02/14/06	J
P6B2317-MS1/MSD1	MS/MSD	IPB1365	1,4-Dioxane	65 - 125	157, 128	HAR-07	02/14/06	J
6E18017-MSD1	MSD	IPE1126	trans-1,2-Dichloroethene	60 - 135	55	RD-41B, HAR-08, RD-49B	05/11/06	J
		IPE1126, IPE1195	trans-1,2-Dichloroethene	60 - 135	55	RS-32, RD-41B (field, trip), RD-51C (prim, trip)	05/11/06	UJ
			Vinyl chloride	40 - 135	30	RS-32, RD-41A (prim, dup), RD-41B (field, trip), RD-51C (prim, trip)	05/11/06	UJ
		IPE1126	Vinyl chloride	40 - 135	30	HAR-08, RD-41B, RD-49B	05/11/06	J
6F09016-MS1/MSD1	MS/MSD	IPF0128	cis-1,2-Dichloroethene	60 - 130	-150, -146	WS-06	06/01/06	J
6I06019-MS1/MSD1	MS/MSD	IPH2949	cis-1,2-Dichloroethene	60 - 130	140, 136	ES-03	08/28/06	J
6K25013-MS1/MSD1	MS/MSD	IPK1653, IPK1829	Trichloroethene	65 - 125	27, 47	HAR-17, HAR-20	11/14/06-11/15/06	J
		IPK1658, IPK1830	Trichloroethene	65 - 125	27, 47	RD-39A, RD-56B(field, trip), RD-66, RD-71, RD-38B(trip)	11/14/06-11/15/06	UJ
6331522-LCSD	LCSD	G6K170360	1,2-Dichloropropane	77 - 120	76	RD-39A (split), RD-36C (split, trip-split), RD-02(split)	11/09/06, 11/13/06, 11/15/06	R

See last page of Table D-VI for notes and abbreviations.

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TABLE D-VI

NOTES AND ABBREVIATIONS:

1.	LCS	=	Laboratory control standard.
2.	LCS D	=	Laboratory control standard duplicate.
3.	MS	=	Matrix spike.
4.	MS D	=	Matrix spike duplicate.
5.	J	=	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the method detection limit.
6.	R	=	The analyte result was rejected; presence or absence of the analyte cannot be verified.
7.	UJ	=	Not detected. Estimated detection limit as a result of quality control recoveries exceeding the acceptance limit range.
8.	---	=	Sample recovery was below method control limits; no % recovery reported.
9.	prim	=	Primary sample.
10.	dup	=	Duplicate sample.
11.	field	=	Field blank.
12.	split	=	Split sample.
13.	trip-split	=	Trip blank submitted to the split laboratory STL-Sacramento.
14.	trip	=	Trip blank.
15.	Inorganics Qualification	=	If % Recovery (% Rec) is less than the lower acceptance limit and >10%, the associated target analyte is qualified "J" for positive results and "UJ" for non-detects. If the % Rec is <10%, positive results are qualified "J" and non-detects are qualified "R". If % Rec is greater than the upper acceptance limit, the associated target analyte is qualified "J" for positive results and not qualified for non-detects.
16.	Metals Qualification	=	LCS: If the % Recovery is <50%, qualify results >MDL as "J" and non-detects as "R". If the % Recovery is 50-79%, qualify results >MDL as "J" and non-detects as "UJ". If the % Recovery is >120%, qualify results > MDL as "J" and non-detects should not be qualified. If the % Recovery is >150%, qualify all results as "R". MS/MSD: If the sample concentration is 4X > MS spike level and the LCS results are valid, then ignore out of range % Recovery in the MS; no action required. If the % Recovery is <30%, qualify results >MDL as "J" and non-detects as "R". If the % Recovery is 30-74%, qualify results >MDL as "J" and non-detects as "UJ". If the % Recovery is >125%, qualify results >MDL as "J" and non-detects should not be qualified. Only qualify project samples based on MS/MSD non-compliance if the MS/MSD is an actual project sample.
17.	SVOC / VOC Qualification	=	If the LCS % Recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J" and non-detects should not be qualified. If the LCS % Recovery is less than the lower acceptance limit associated target analyte positive results are qualified "J" and non-detects are qualified "R". If the MS/MSD is from a project sample and the % Recovery greater than the upper acceptance limit, associated target analyte positive results are qualified "J" and non-detects should not be qualified. If the MS/MSD % Recovery is >10%, but less than the lower acceptance limit, associated analyte positive results are qualified "J" and non-detects are qualified "UJ". If the MS/MSD % Recovery is less than 10%, associated target analyte positive results are qualified "J" and non-detects are qualified "R".

TABLE D-VII

SUMMARY OF 2006 DATA QUALIFICATION DUE TO CONTINUING CALIBRATION BLANK EXCEEDANCE
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date	Lab Report	Target Compound(s) Detected in the Blank	Concentration (mg/l)	Flag Associated Field Sample results with a "U" if less than or equal to this value	Affected Field Samples
<i>Trace Metals (mg/l)</i>					
02/21/06	IPB1952	Antimony	0.00012 J	0.006	RD-34A

NOTES AND ABBREVIATIONS:

1. mg/l = Milligrams per liter.
2. J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the method detection limit.
3. U = Not detected; numerical value represents the Method Detection Limit for that compound.

TABLE D-VIII

SUMMARY OF 2006 DATA QUALIFICATION OF SAMPLES BY MECX
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Date	Sample Type	Analyte	Data Validation Issues	Qualified Result	Project and Lab Qualifier Codes	Units	MECX Validation Qualifier	Lab
Piezometers									
PZ-045	08/17/06	Primary	Mercury	Continuing calibration blank outside acceptance criteria. Reported result could not be verified by hand calculation, therefore result was re-calculated using the initial calibration.	0.000073	J	mg/l	UJ	TA
PZ-056	03/16/06	Primary	Antimony	Calibration blank outside acceptance criteria.	0.00023	J	mg/l	UJ	DMA
			Mercury	Calibration blank outside acceptance criteria.	0.000063	U	mg/l	UJ	DMA
			Vanadium	Method blank contamination.	0.0031	B	mg/l	UJ	DMA
		Primary	Total PeCDF	Estimated maximum possible concentration (EMPC) did not meet identification criteria.	1.68	U	pg/l	UJ	ALTA
PZ-096	08/17/06	Primary	OCDD	Estimated maximum possible concentration (EMPC) did not meet identification criteria.	3.87	U	pg/l	UJ	Alta
			1,2,3,4,7,8-HxCDF		1.29	U	pg/l	UJ	Alta
			1,2,3,6,7,8-HxCDF		1.10	U	pg/l	UJ	Alta
			1,2,3,4,6,7,8-HpCDF		2.24	U	pg/l	UJ	Alta
			OCDF		4.11	U	pg/l	UJ	Alta
			Total HxCDF		2.40	U	pg/l	UJ	Alta
			Total HpCDF		2.24	U	pg/l	UJ	Alta
Shallow Wells									
SH-03	02/15/06	Primary	NDMA	Rejected. Exceeds calibration range. Diluted sample result accepted and listed in Table XV.	0.7452	E	ug/l	R	PA
		Dup	NDMA	Rejected. Exceeds calibration range. Diluted sample result accepted and listed in Table XV.	0.7607	E	ug/l	R	PA
		Split	NDMA	Calibration %RSD was noncompliant.	0.81		ug/l	J	WECK
		Split	NDMA	Calibration %RSD was noncompliant.	0.81		ug/l	J	WECK
SH-04	05/10/06	Primary	1,2,3,4,6,7,8-HpCDD	Result was qualified an an estimated nondetect because an estimated maximum possible concentration (EMPC) was reported.	4.33	U	pg/l	UJ	Alta
	05/10/06	Primary	1,2,3-Trichloropropane	Rejected in favor of reanalysis.	0.0037	J	ug/l	R	TA
RS-08	05/09/06	Primary	Diethyl phthalate	The % RSD exceeded 15%.	0.23	U	ug/l	UJ	DMA

See last page of Table D-VIII for notes and abbreviations.

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TABLE D-VIII

SUMMARY OF 2006 DATA QUALIFICATION OF SAMPLES BY MECX
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Date	Sample Type	Analyte	Data Validation Issues	Qualified Result	Project and Lab Qualifier Codes	Units	MECX Validation Qualifier	Lab
HAR-11	08/25/06	Primary	Arsenic	Continuing calibration blank outside acceptance criteria.	0.0022		mg/l	J	TA
HAR-15	05/05/06	Primary	2,3,7,8-TCDF	Result was qualified as estimated because the lab did not perform the required confirmation for this analyte.	7.24		pg/l	J	Alta
Chatsworth Formation Wells									
RD-01	05/08/06	Primary	1,2,3-Trichloropropane	Field blank contaminantion.	0.004	J	ug/l	U	DMA
		Dup	1,2,3-Trichloropropane	Field blank contaminantion.	0.0043	J	ug/l	U	DMA
RD-14	03/16/06	Primary	Antimony	Calibration blank outside acceptance criteria.	0.00014	J	mg/l	UJ	DMA
			Mercury	Calibration blank outside acceptance criteria.	0.000063	U	mg/l	UJ	DMA
			Molybdenum	Method blank contamination.	0.00063	J	mg/l	UJ	DMA
RD-23	08/17/06	Primary	Mercury	Continuing calibration blank outside acceptance criteria. Reported result could not be verified by hand calculation, therefore result was re-calculated using the initial calibration.	0.000055	U	mg/l	UJ	TA
RD-41A	08/16/06	Primary	Manganese	Internal Standard recovery outside acceptance criteria.	0.54		mg/l	J	TA
RD-54A	08/17/06	Primary	Mercury	Continuing calibration blank outside acceptance criteria. Reported result could not be verified by hand calculation, therefore result was re-calculated using the initial calibration.	0.000088	J	mg/l	UJ	TA
RD-86	03/16/06	Primary	Antimony	Calibration blank outside acceptance criteria.	0.00021	J	mg/l	UJ	DMA
			Mercury	Calibration blank outside acceptance criteria.	0.000063	U	mg/l	UJ	DMA
			Vanadium	Method blank contamination.	0.0023	B	mg/l	UJ	DMA
RD-92	03/16/06	Primary	Antimony	Calibration blank outside acceptance criteria.	0.00014	J	mg/l	UJ	DMA
			Mercury	Calibration blank outside acceptance criteria.	0.000063	U	mg/l	UJ	DMA
			Vanadium	Method blank contamination.	0.0025	B	mg/l	UJ	DMA
HAR-07	03/16/06	Primary	1,4-Dioxane	Matrix spike recoveries above QC limits.	1.2	M1	ug/l	J	DMA
HAR-16	05/10/06	Primary	1,2,3-Trichloropropane	Rejected in favor of reanalysis.	0.0093		ug/l	R	TA
		Dup	1,2,3-Trichloropropane	Field blank contaminantion.	0.0061	U	ug/l	UJ	TA

See last page of Table D-VIII for notes and abbreviations.

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TABLE D-VIII

SUMMARY OF 2006 DATA QUALIFICATION OF SAMPLES BY MECX
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Date	Sample Type	Analyte	Data Validation Issues	Qualified Result	Project and Lab Qualifier Codes	Units	MECX Validation Qualifier	Lab
HAR-25	05/10/06	Primary	1,2,3-Trichloropropane	MS/MSD recovery below acceptance criteria.	0.0017	U	ug/l	UJ	DMA
OS-09R (P01)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
	07/27/06	Primary	Perchlorate	Continuing calibration verification outside acceptance criteria.	0.8	U	ug/l	UJ	TA
OS-09R (P02)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
			Perchlorate	Continuing calibration verification outside acceptance criteria.	0.8	U	ug/l	UJ	TA
OS-09R (P03)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P04)	07/27/06	Dup	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P04)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P05)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P06)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P07)	07/27/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P08)	07/26/06	Primary	Nitrate-N*	The MDL for nitrate was raised to the level of interference at 0.15 mg/l.	0.15	U	mg/l	U	TA
OS-09R (P10)	07/26/06	Primary	Bromide	The MDL for bromide was raised to the level of interference at 1 mg/l.	1	U	mg/l	U	TA
OS-09R (P11)	07/26/06	Primary	Bromide	The MDL for bromide was raised to the level of interference at 1 mg/l.	1	U	mg/l	U	TA
OS-09R (P12)	07/26/06	Primary	Bromide	The MDL for bromide was raised to the level of interference at 1 mg/l.	1	U	mg/l	U	TA
OS-09R (P13)	07/26/06	Primary	Bromide	The MDL for bromide was raised to the level of interference at 1 mg/l.	1	U	mg/l	U	TA
OS-09R (P14)			Bromide	The MDL for bromide was raised two times to the level of interference at 0.7 mg/l.	0.7	U	mg/l	U	TA

See last page of Table D-VIII for notes and abbreviations.

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TABLE D-VIII**NOTES AND ABBREVIATIONS**

-
1. Alta = Alta Analytical Laboratory, Inc. of El Dorado Hills, California.
 2. TA = TestAmerica of Irvine, California, formerly Del Mar Analytical.
 3. DMA = Del Mar Analytical of Irvine, California.
 4. PA = Pacific Analytical of Carlsbad, California.
 5. Weck = Weck Laboratories of City of Industry, California.
 6. mg/l = Milligrams per liter.
 7. pg/l = Picograms per liter.
 8. ug/l = Micrograms per liter.
 9. * = Nitrate-N results were converted to Nitrate-NO3 in report Table XIII.
 10. B = Method blank contamination.
 11. E = Result exceeds calibration curve.
 12. J = Estimated value. For Project and Lab Qualifiers, J indicates the analyte was detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). For MECX, J indicates that the organic analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample or that the associated value for the inorganic analyte is an estimated quantity.
 13. P = Westbay sample port number.
 14. M1 = The MS and/or MSD were above the acceptance limits due to sample matrix interference.
 15. R = Result rejected.
 16. U = Not detected; numerical value represents the Method Detection Limit for that compound except where EMPC (estimated maximum possible concentration) is indicated.
 17. UJ = Not detected; estimated method detection limit.
 18. MS/MSD = Matrix Spike/Matrix Spike Duplicate.
 19. RSD = Relative Standard Deviation.
 20. 1,2,3,4,6,7,8-HpCDD = 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
 1,2,3,4,6,7,8-HpCDF = 1,2,3,4,6,7,8-Heptachlorodibenzofuran
 1,2,3,4,7,8-HxCDF = 1,2,3,4,7,8-Hexachlorodibenzofuran
 1,2,3,6,7,8-HxCDF = 1,2,3,6,7,8-Hexachlorodibenzofuran
 OCDD = 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin
 OCDF = 1,2,3,4,6,7,8,9-Octachlorodibenzofuran
 Total HxCDF = Total hexachlorodibenzofuran
 Total HpCDF = Total heptachlorodibenzofuran
 Total PeCDF = Total pentachlorodibenzofuran
 21. During the first quarter, low level 1,4-dioxane analyses were performed on primary samples by Del Mar Analytical of Phoenix, Arizona using modified EPA method 8260SIM.

Note: Results validated by MECX that did not require qualification are not listed in this table.

APPENDIX E

Results of Radiological Analyses

**APPENDIX E
RESULTS OF RADIOLOGICAL ANALYSES**

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APPENDIX E

RESULTS OF RADIOLOGICAL ANALYSES

This appendix contains a compilation of all radiochemistry data obtained during the quarterly groundwater monitoring program and new well construction activities. Table E-I presents the results for gross alpha and gross beta analyses. Table E-II presents the results for tritium and Table E-III presents the results for man-made gamma-emitting radionuclides. Table E-IV presents the results for other specific isotopes, including uranium, thorium, radium, lead, plutonium, polonium, and technetium.

A review of radiochemical water quality data conducted December 2006 through January 2007 identified some incorrect sample dates, sample types, or result values, and results that had been omitted from past data summaries. A summary of this radiochemical data review is presented in Table E-V. Data tables E-I, E-II, E-III, and E-IV are updated with the corrections and additions resulting from the review.

Laboratory analytical reports incorporated USEPA qualifiers (e.g., U for non-detected radiochemicals) beginning in 2004. These qualifiers were added to the Appendix E tables beginning in 2004. Data reported prior to 2004 did not include USEPA qualifiers, and therefore, non-detected results from 1989 through 2003 are not flagged with U qualifiers in Tables E-I, E-III, and E-IV. U qualifiers have been added to the tritium summary table (E-II) for all results less than the overall laboratory error or below the instrument background count from 1989 through 2006. U qualifiers have also been added to table E-II for results reported below the minimum detectable activity (MDA) from November 1993 through 2006. MDAs were not reported by the laboratories for tritium results reported prior to November 1993.

The radiochemistry results are generally presented as the activity detected within an overall error range (\pm). Any activity detected is reported by the laboratory. Analytical results that are less than the instrument background count are shown as negative values. Some results are also presented as less than ($<$) the detection limit.

The text describes a result as non-detectable when it is less than the MDA, when it is less than the overall laboratory error, or when the sample count is less than the instrument background count. In each of these cases, radioactivity is not considered to be present at detectable concentrations. In Table E-III, the gamma results are presented as non-detectable if the reported activity was less than the MDA. Only man-made radionuclides (e.g., cobalt-57, cobalt-60, cesium-134, cesium-137, europium-152, europium-154, manganese-54, and sodium-22) are included in Table E-III. Europium-152, europium-154, manganese-54, and sodium-22 have been monitored since the fourth quarter 2004. Naturally occurring radionuclides such as bismuth-214, lead-214, thallium-208, and lead-212 have had reported activities above their respective MDAs occasionally. These uranium and thorium daughter products, which are discussed in the quarterly reports, are not considered to be indicative of man-made radioactivity. Therefore, the uranium and thorium daughter products are not included in Table E-III.

TABLE E-I
RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
Piezometers							
PZ-101	Primary	06/02/05	5.06 ± 3.3	3.53 U ± 3.7	Filtered		ES
PZ-107	Primary	06/02/05	6.33 ± 4.0	9.07 ± 6.0	Filtered		ES
PZ-111	Primary	06/02/05	3.84 ± 3.1	5.53 U ± 4.7	Filtered		ES
PZ-116	Primary	06/02/05	12.5 ± 6.3	28.5 ± 8.6	Filtered		ES
Shallow Wells							
ECL	Primary	12/12/91	5.73 ± 4.46	8.37 ± 3.08	Filtered		IT
French-drain							
SH-04	Primary	06/03/89	4.8 ± 6.9	6.8 ± 3.2	Unfiltered		BC
SH-04	Primary	07/22/89	4.0 ± 1.0	19.2 ± 2.4	Unfiltered, Decanted		BC
SH-04	Primary	09/09/89	8.0 ± 4.4	10.0 ± 1.3	Unfiltered	Results confirmed in January 2007.	BC
SH-04	Primary	09/09/89	22.0 ± 5.4	13.0 ± 1.3	Filtered	Results confirmed in January 2007.	BC
SH-04	Primary	03/18/93	7 ± 6	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
SH-04	Primary	06/09/93	5 ± 4	8 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
SH-04	Primary	08/09/93	5 ± 4	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
SH-04	Primary	11/04/93	1.1 ± 5.2	2.9 ± 6.5	Filtered		LAS
SH-04	Primary	05/06/94	3.5 ± 5.7	4.5 ± 6.7	Filtered		LAS
SH-07	Primary	06/03/89	185 ± 18.3	21.2 ± 3.1	Unfiltered		BC
SH-07	Primary	07/19/89	30.5 ± 3.3	21.2 ± 0.9	Unfiltered, Decanted		BC
SH-07	Primary	07/19/89	8.4 ± 2.0	3.8 ± 0.6	Filtered		BC
SH-07	Primary	09/09/89	5.9 ± 2.1	11.0 ± 0.5	Unfiltered		BC
SH-07	Primary	09/09/89	5.4 ± 1.4	3.2 ± 0.4	Filtered		BC
SH-11	Primary	06/03/89	281 ± 20.9	11.8 ± 3.6	Unfiltered		BC
SH-11	Primary	07/19/89	8.9 ± 2.5	8.1 ± 0.6	Unfiltered, Decanted		BC
SH-11	Primary	07/19/89	4.7 ± 1.8	5.6 ± 0.6	Filtered		BC
SH-11	Primary	09/09/89	5.9 ± 2.1	11.0 ± 0.5	Unfiltered		BC
SH-11	Primary	09/09/89	1.2 ± 1.7	5.6 ± 0.6	Filtered		BC
SH-11	Primary	10/17/89	5.23 ± 2.97	2.43 ± 1.68	Filtered		UST
SH-11	Primary	10/31/89	10.4 ± 6.06	6.96 ± 2.82	Unfiltered		UST
SH-11	Primary	10/31/89	9.57 ± 5.05	2.95 ± 2.45	Filtered		UST
RS-05	Primary	10/19/89	7.79 ± 3.55	3.17 ± 1.85	Filtered		UST
RS-05	Primary	10/31/89	37.2 ± 11.1	8.32 ± 3.01	Unfiltered		UST
RS-05	Primary	10/31/89	6.15 ± 4.71	5.30 ± 2.80	Filtered		UST

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RS-06	Primary	06/03/89	16.3 ± 4.3	12.6 ± 0.8	Unfiltered		BC
RS-06	Primary	07/23/89	5.1 ± 2.1	14.7 ± 0.3	Unfiltered, Decanted		BC
RS-07	Primary	07/22/89	2.1 ± 0.9	7.7 ± 1.1	Unfiltered		BC
RS-07	Primary	09/11/89	2.0 ± 3.4	8.5 ± 1.2	Unfiltered		BC
RS-07	Primary	09/11/89	1.2 ± 2.1	5.5 ± 0.8	Filtered		BC
RS-08	Primary	06/04/89	12.4 ± 6.1	14.5 ± 1.1	Unfiltered		BC
RS-08	Primary	07/22/89	15.5 ± 1.5	17.1 ± 1.0	Unfiltered, Decanted		BC
RS-08	Primary	03/18/93	14 ± 9	5 ± 4	Filtered		CEP
RS-08	Primary	06/08/93	16 ± 7	13 ± 4	Filtered		CEP
RS-08	Primary	08/09/93	14 ± 5	7 ± 3	Filtered		CEP
RS-08	Primary	11/08/93	24 R ± 10	9.1 R ± 6.7	Filtered	Rejected.	LAS
RS-08	Reanalysis of Primary	11/08/93	19 ± 10	15.1 ± 9.9	Filtered	Gross alpha and beta dissolved.	LAS
RS-11	Primary	12/08/89	1.38 ± 1.63	0.962 ± 2.22	Filtered		UST
RS-11	Primary	12/06/90	1.93 ± 2.19	-1.05 ± 1.96	Filtered		IT
RS-11	Primary	03/04/91	2.54 ± 1.84	0.981 ± 2.19	Filtered		IT
RS-11	Primary	12/07/91	3.77 ± 2.63	1.44 ± 1.29	Filtered		IT
RS-11	Primary	03/05/92	<2	<3	Filtered		CEP
RS-11	Primary	03/07/93	<2	6 ± 4	Filtered		CEP
RS-11	Primary	02/22/94	0 ± 2.2	2.3 ± 2.4	Filtered		LAS
RS-11	Primary	02/15/95	19.4 ± 5.6	16.6 ± 3.0	Filtered		LAS
RS-11	Reanalysis of Primary	02/15/95	0.4 ± 2.0	3.1 ± 1.7	Filtered		LAS
RS-11	Primary	02/07/96	9.4 ± 4.4	5.4 ± 2.4	Filtered		LAS
RS-11	Primary	02/04/97	6.1 ± 3.9	3.1 ± 2.5	Filtered		LAS
RS-11	Primary	02/04/98	2.60 ± 2.4	3.44 ± 1.4	Filtered		TN
RS-11	Primary	02/06/99	1.58 ± 1.3	2.36 ± 1.5	Filtered		TN
RS-11	Primary	02/15/00	0.381 ± 1.6	0.572 ± 4.4	Filtered		TR
RS-11	Primary	02/06/01	0.782 ± 1.6	5.10 ± 1.7	Filtered		ES
RS-11	Primary	05/01/03	1.65 U ± 1.8	0.692 U ± 2.3	Filtered		ES
RS-11	Primary	02/17/05	27.9 ± 11	12.2 ± 7.5	Filtered		ES
RS-11	Primary	08/29/05	10.9 ± 4.3	11.2 ± 4.2	Filtered		ES
RS-11	Primary	02/21/06	8.60 U ± 7.2	-8.84 U ± 13	Filtered		ES
RS-11	Primary	08/10/06	2.19U ± 1.9	0.122U ± 2.4	Filtered		ES
RS-14	Primary	06/04/89	-1.0 ± 2.7	7.6 ± 0.5	Unfiltered		BC
RS-14	Primary	07/22/89	5.2 ± 2.2	5.8 ± 0.7	Unfiltered, Decanted		BC
RS-14	Primary	09/10/89	9.0 ± 1.7	8.1 ± 0.5	Unfiltered		BC

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RS-14	Duplicate	09/10/89	7.7 ± 1.8	6.9 ± 0.4	Unfiltered		BC
RS-14	Primary	09/10/89	4.5 ± 1.6	4.4 ± 0.4	Filtered		BC
RS-14	Duplicate	09/10/89	5.2 ± 1.6	5.3 ± 0.4	Filtered		BC
RS-15	Primary	12/08/89	4.12 ± 2.33	3.33 ± 2.51	Filtered		UST
RS-15	Primary	12/07/91	8.02 ± 4.00	4.55 ± 2.12	Filtered		IT
RS-15	Primary	12/06/92	4 ± 3	8 ± 3	Filtered		CEP
RS-16	Primary	03/09/92	3 ± 2	<3	Filtered		CEP
RS-16	Primary	02/09/95	3.1 ± 4.4	1.4 ± 4.0	Filtered		LAS
RS-16	Primary	02/04/97	10.3 ± 6.3	2.9 ± 4.1	Filtered		LAS
RS-16	Primary	05/27/98	5.34 ± 2.7	3.00 ± 1.8	Filtered		TN
RS-16	Primary	02/23/05	11.6 ± 5.2	8.93 ± 4.4	Filtered		ES
RS-17	Primary	12/08/89	3.56 ± 2.61	1.10 ± 2.18	Filtered		UST
RS-17	Primary	12/10/90	8.36 ± 4.63	2.35 ± 2.47	Filtered		IT
RS-17	Primary	12/07/91	9.58 ± 5.41	1.54 ± 2.36	Filtered		IT
RS-17	Primary	12/05/92	3 ± 2	4 ± 3	Filtered		CEP
RS-18	Primary	03/03/89	20 ± 5	11 ± 3	Unfiltered		FGL
RS-18	Primary	06/04/89	27.6 ± 8.4	33.0 ± 1.5	Unfiltered		BC
RS-18	Primary	03/27/90	9.92 ± 4.84	8.48 ± 2.98	Filtered		UST
RS-18	Primary	03/10/91	16.4 ± 5.86	7.84 ± 2.81	Filtered		IT
RS-18	Duplicate	03/10/91	11.0 ± 5.73	6.06 ± 2.97	Filtered		IT
RS-18	Primary	06/04/91	22.0 ± 7.92	9.36 ± 5.13	Filtered		IT
RS-18	Duplicate	06/04/91	18.4 ± 7.50	13.1 ± 5.61	Filtered		IT
RS-18	Primary	03/04/92	3 ± 2	<3	Filtered		CEP
RS-18	Primary	06/04/92	14 ± 6	11 ± 3	Filtered		CEP
RS-18	Primary	09/10/92	21 ± 5	32 ± 5	Filtered		CEP
RS-18	Reanalysis of Primary	09/10/92	21 ± 6	---	Filtered		CEP
RS-18	Split	09/10/92	55 ± 20	40 ± 12	Filtered		BL
RS-18	Reanalysis of Split	09/10/92	78 ± 24	50 ± 10	Filtered		BL
RS-18	Primary	12/15/92	13 ± 6	8 ± 4	Filtered		CEP
RS-18	Split	12/15/92	24 ± 14	19 ± 9	Filtered		B
RS-18	Primary	06/23/93	6 ± 5	14 ± 8	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RS-18	Primary	11/06/93	23.1 ± 9.3	14.1 ± 6.1	Filtered		LAS
RS-18	Primary	05/04/94	34 ± 12	5.1 ± 6.7	Filtered		LAS
RS-18	Primary	02/17/95	39 ± 10	31.4 ± 5.8	Filtered		LAS
RS-18	Reanalysis of Primary	02/17/95	14.2 ± 5.8	9.1 ± 3.4	Filtered		LAS
RS-18	Primary	08/10/95	13.3 ± 6.9	9.1 ± 5.5	Filtered		LAS
RS-18	Primary	05/16/96	26 ± 11	11.1 ± 7.4	Filtered		LAS
RS-18	Primary	02/03/97	20.6 ± 9.8	6.8 ± 6.2	Filtered		LAS

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RS-18	Primary	02/05/98	15.2 ± 4.8	5.86 ± 1.8	Filtered		TN
RS-18	Primary	08/05/98	45.8 ± 8.1	13.7 ± 10	Filtered		TN
RS-18	Primary	05/12/99	26.9 ± 6.2	13.6 ± 2.1	Filtered		TN
RS-18	Primary	05/09/00	21.0 ± 6.3	11.6 ± 3.1	Filtered		TR
RS-18	Primary	02/19/01	4.38 ± 3.5	7.08 ± 1.7	Filtered		ES
RS-18	Primary	05/02/03	29.1 ± 9.1	17.8 ± 6.0	Filtered		ES
RS-18	Primary	02/23/05	11.5 ± 4.4	6.68 ± 2.8	Filtered		ES
RS-18	Primary	08/26/05	5.65 ± 2.1	5.19 ± 1.7	Filtered		ES
RS-18	Primary	02/20/06	-0.194 U ± 3.6	8.71 ± 4.1	Filtered		ES
RS-22	Primary	06/07/89	245 ± 29.4	227 ± 12.4	Unfiltered		BC
RS-22	Primary	07/22/89	1.9 ± 1.5	2.2 ± 0.3	Unfiltered, Decanted		BC
RS-25	Primary	02/25/03	2.18 ± 1.3	8.98 ± 2.2	Filtered		ES
RS-27	Primary	03/04/92	<2	4 ± 3	Filtered		CEP
RS-27	Primary	06/04/92	-0.3 ± 1.5	2 ± 3	Filtered		CEP
RS-27	Primary	05/17/95	1.1 ± 1.2	3.7 ± 1.4	Filtered		LAS
RS-27	Primary	05/07/98	-0.216 ± 0.80	1.03 ± 1.2	Filtered		TN
RS-28	Primary	09/27/89	42.3 ± 7.5	49.5 ± 1.3	Unfiltered		BC
RS-28	Primary	09/27/89	7.5 ± 2.3	10.0 ± 0.8	Filtered		BC
RS-28	Primary	10/19/89	7.4 ± 3.2	11.7 ± 0.9	Filtered		BC
RS-28	Split	10/19/89	7.07 ± 3.03	3.53 ± 1.79	Filtered		UST
RS-28	Primary	11/01/89	7.38 ± 3.45	7.03 ± 2.94	Unfiltered		UST
RS-28	Primary	11/01/89	4.62 ± 2.59	4.76 ± 2.59	Filtered		UST
RS-28	Primary	03/27/90	5.68 ± 3.50	5.39 ± 2.60	Filtered		UST
RS-28	Primary	06/29/90	9.39 ± 4.83	5.24 ± 2.80	Filtered		UST
RS-28	Primary	09/15/90	9.85 ± 3.90	5.77 ± 2.72	Filtered		UST
RS-28	Duplicate	09/15/90	7.90 ± 4.00	6.97 ± 2.80	Filtered		UST
RS-28	Primary	12/06/90	8.72 ± 4.75	4.93 ± 2.55	Filtered		IT
RS-28	Primary	03/09/91	6.44 ± 3.16	3.32 ± 2.29	Filtered		IT
RS-28	Primary	06/07/91	7.18 ± 3.38	12.7 ± 3.45	Filtered		IT
RS-28	Primary	12/06/91	6.42 ± 3.40	5.13 ± 2.14	Filtered		IT
RS-28	Primary	03/09/92	3 ± 2	<3	Filtered		CEP
RS-28	Primary	06/03/92	3 ± 2	-5 ± 3	Filtered		CEP
RS-28	Primary	09/13/92	0.3 ± 2.2	5 ± 4	Filtered		CEP
RS-28	Split	09/13/92	8.4 ± 7.1	9.7 ± 6.8	Filtered		BL
RS-28	Primary	12/05/92	4 ± 2	7 ± 3	Filtered		CEP
RS-28	Primary	06/22/93	3 ± 2	8 ± 3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RS-28	Primary	11/06/93	6.0 ± 3.8	3.7 ± 3.6	Filtered		LAS

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RS-28	Primary	05/07/94	10.9 ± 5.4	8.1 ± 4.1	Filtered		LAS
RS-28	Primary	05/17/95	7.6 ± 4.4	10.5 ± 3.8	Filtered		LAS
RS-28	Primary	11/08/95	3.8 ± 3.1	5.2 ± 2.4	Filtered		LAS
RS-28	Primary	05/16/96	25.7 ± 7.9	33.7 ± 6.0	Filtered		LAS
RS-28	Primary	05/08/98	4.41 ± 2.5	4.61 ± 1.6	Filtered		TN
RS-28	Primary	11/16/98	5.46 ± 2.3	6.55 ± 1.9	Filtered		TN
RS-28	Primary	05/05/00	3.42 ± 2.3	5.44 ± 2.7	Filtered		TR
RS-28	Primary	05/10/01	0.802 ± 2.2	6.44 ± 1.9	Filtered		ES
RS-28	Primary	05/20/05	7.44 ± 4.4	5.14 ± 3.2	Filtered		ES
RS-28	Primary	08/30/05	4.58 ± 1.8	5.27 ± 1.9	Filtered		ES
RS-28	Primary	02/17/06	4.15 U ± 3.6	-0.452 U ± 2.0	Filtered		ES
RS-28	Primary	08/11/06	3.68 ± 1.9	9.32 ± 2.7	Filtered		ES
RS-54	Primary	09/11/93	3 ± 2	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RS-54	Primary	09/29/93	11 ± 7	9 ± 3	Filtered		CEP
RS-54	Primary	05/07/94	35 ± 12	15.1 ± 7.3	Filtered		LAS
RS-54	Reanalysis of Primary	05/07/94	42 ± 14	24.1 ± 8.1	Filtered		LAS
RS-54	Primary	08/07/94	27 ± 11	30.3 ± 8.1	Filtered		LAS
RS-54	Primary	08/03/95	25.1 ± 9.5	7.2 ± 6.3	Filtered		LAS
RS-54	Primary	05/16/96	31 ± 10	12.8 ± 5.3	Filtered		LAS
RS-54	Primary	08/23/96	50 ± 14	9.7 ± 6.5	Filtered		LAS
RS-54	Reanalysis of Primary	08/23/96	53 ± 15	21.7 ± 8.0	Filtered		LAS
RS-54	Primary	05/03/97	28.0 ± 9.9	6.7 ± 5.4	Filtered		LAS
RS-54	Primary	08/02/97	24.8 ± 9.9	13.5 ± 6.2	Filtered		LAS
RS-54	Primary	08/27/97	24.8 ± 9.9	13.2 ± 6.4	Filtered		LAS
RS-54	Primary	02/08/98	8.86 ± 3.0	5.92 ± 1.7	Filtered		TN
RS-54	Primary	08/04/98	31.5 ± 14	4.93 ± 1.8	Filtered		TN
RS-54	Primary	02/02/99	10.2 ± 3.9	10.0 ± 1.9	Filtered		TN
RS-54	Primary	08/18/99	16.1 ± 4.7	11.4 ± 3.2	Filtered		TN
RS-54	Primary	03/15/00	16.5 ± 4.7	11.6 ± 2.8	Filtered		TR
RS-54	Primary	11/01/01	59.44 ± 5.64	7.59 ± 0.96	Filtered		DL
RS-54	Primary	03/01/02	24.29 ± 6.92	5.52 ± 1.17	Filtered		DL
RS-54	Primary	11/07/02	16.9 ± 6.4	11.7 ± 3.5	Filtered		ES
RS-54	Primary	02/16/05	13.7 ± 5.8	-6.78 U ± 5.4	Filtered		ES
RS-54	Primary	09/06/05	12.0 ± 3.9	10.4 ± 3.7	Filtered		ES
RS-54	Primary	02/23/06	6.94 U ± 5.5	9.35 ± 4.1	Filtered		ES
RS-54	Split	02/23/06	21.0 ± 5.89	11.4 ± 3.82	Filtered		STL
ES-06	Primary	12/08/89	0.404 ± 0.502	0.840 ± 2.10	Filtered		UST
ES-12	Primary	03/03/89	12 ± 5	24 ± 6	Unfiltered		FGL

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
ES-24	Primary	03/03/89	7 ± 4	7 ± 5	Unfiltered		FGL
ES-24	Primary	06/03/89	10.7 ± 3.8	2.1 ± 0.7	Unfiltered		BC
ES-24	Primary	09/10/89	3.7 ± 2.5	9.2 ± 0.6	Unfiltered		BC
ES-24	Duplicate	09/10/89	10.5 ± 1.9	7.1 ± 0.3	Unfiltered		BC
ES-24	Primary	09/10/89	1.0 ± 2.4	6.0 ± 0.6	Filtered		BC
ES-24	Duplicate	09/10/89	5.9 ± 1.5	6.8 ± 0.3	Filtered		BC
ES-31	Primary	07/23/89	6.9 ± 2.2	6.7 ± 0.5	Unfiltered, Decanted		BC
ES-31	Primary	12/10/90	2.79 ± 2.10	2.09 ± 2.35	Filtered		IT
ES-31	Primary	03/04/91	0.899 ± 1.32	4.79 ± 2.55	Filtered		IT
ES-31	Duplicate	03/04/91	2.37 ± 1.73	2.98 ± 2.29	Filtered		IT
ES-31	Primary	06/06/91	9.12 ± 4.51	4.94 ± 2.59	Filtered		IT
ES-31	Duplicate	06/06/91	8.09 ± 4.90	4.99 ± 2.63	Filtered		IT
ES-31	Primary	12/07/91	7.57 ± 4.02	22.8 ± 3.64	Filtered		IT
ES-31	Primary	03/05/92	4 ± 2	<3	Filtered		CEP
ES-31	Primary	03/03/93	4 ± 3	6 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
ES-31	Primary	02/22/94	2 ± 3.1	4.3 ± 2.9	Filtered		LAS
ES-31	Primary	02/15/95	23.5 ± 6.5	20.9 ± 3.7	Filtered		LAS
ES-31	Reanalysis of Primary	02/15/95	22.5 ± 6.2	28.0 ± 3.8	Filtered		LAS
ES-31	Primary	02/06/96	2.4 ± 3.6	2.3 ± 2.8	Filtered		LAS
ES-31	Primary	02/04/97	9.9 ± 5.1	3.5 ± 3.1	Filtered		LAS
ES-31	Primary	02/04/98	11.5 ± 3.7	5.09 ± 2.0	Filtered		TN
ES-31	Primary	02/06/99	6.85 ± 3.3	4.33 ± 2.7	Filtered		TN
ES-31	Primary	02/06/00	4.36 ± 2.6	4.79 ± 3.2	Filtered		TR
ES-31	Primary	02/15/01	3.16 ± 2.3	4.41 ± 1.8	Filtered		ES
ES-31	Primary	02/18/02	10.49 ± 3.59	2.79 ± 1.76	Filtered		DL
ES-31	Primary	02/19/03	2.33 ± 2.2	3.64 ± 1.9	Filtered		ES
ES-31	Primary	03/10/05	-0.145 U ± 1.5	2.29 U ± 2.4	Filtered		ES
ES-31	Primary	12/07/05	2.41 U ± 2.3	4.18 ± 2.5	Filtered		ES
ES-31	Split	12/07/05	5.75 ± 3.62	3.15 U ± 3.13	Filtered		STL
ES-31	Primary	02/21/06	3.68 U ± 3.0	3.38 J ± 2.3	Filtered		ES
ES-31	Primary	08/15/06	0.343U ± 2.2	4.38 ± 1.7	Filtered		ES
HAR-03	Primary	09/11/89	19.0 ± 2.5	13.0 ± 0.6	Unfiltered		BC
HAR-03	Primary	09/11/89	5.0 ± 1.7	2.0 ± 0.5	Filtered		BC
HAR-04	Primary	06/02/89	20.7 ± 3.4	19.7 ± 0.9	Unfiltered		BC
HAR-04	Primary	07/23/89	1.7 ± 1.3	1.1 ± 0.3	Unfiltered, Decanted		BC
HAR-04	Primary	09/11/89	8.9 ± 1.6	8.9 ± 0.5	Unfiltered		BC

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
HAR-04	Primary	09/11/89	1.6 ± 0.8	3.1 ± 0.2	Filtered		BC
HAR-11	Primary	06/02/89	92.5 ± 14.7	80.6 ± 3.1	Unfiltered		BC
HAR-11	Primary	07/22/89	4.9 ± 1.1	12.8 ± 0.9	Unfiltered, Decanted		BC
HAR-14	Primary	06/02/89	34.0 ± 5.7	47.4 ± 1.4	Unfiltered		BC
HAR-14	Primary	07/22/89	11.9 ± 2.3	8.2 ± 0.5	Unfiltered, Decanted		BC
HAR-14	Primary	09/12/89	9.2 ± 1.0	9.0 ± 0.2	Unfiltered		BC
HAR-14	Primary	09/12/89	-1.0 ± 2.0	9.7 ± 0.8	Filtered		BC
HAR-14	Split	09/12/89	0 ± 3	14 ± 6	Unfiltered		TMA
HAR-14	Split	09/12/89	1 ± 5	3 ± 5	Filtered		TMA
HAR-14	Primary	03/16/93	5 ± 3	5 ± 4	Filtered		CEP
HAR-14	Primary	06/08/93	6 ± 3	11 ± 4	Filtered		CEP
HAR-14	Primary	08/09/93	2 ± 1	9 ± 3	Filtered		CEP
HAR-14	Primary	11/04/93	4.4 ± 2.7	5.4 ± 2.8	Filtered		LAS
HAR-15	Primary	03/16/93	70 ± 14	45 ± 9	Filtered		CEP
HAR-15	Reanalysis of Primary	03/16/93	8 ± 5	38 ± 8	Filtered	Gross alpha and beta dissolved.	CEP
HAR-15	Primary	06/08/93	54 ± 11	66 ± 10	Filtered	Correspondence suggests that sample may be unfiltered.	CEP
HAR-15	Reanalysis of Primary	06/08/93	4 ± 3	7 ± 5	Filtered	Gross alpha and beta dissolved. Gross alpha: high statistics due to large amounts of solids.	CEP
HAR-15	Primary	08/09/93	4 ± 3	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
HAR-15	Primary	11/04/93	70 R ± 16	34.9 R ± 8.6	Filtered	Rejected.	LAS
HAR-15	Reanalysis of Primary	11/04/93	14.8 ± 6.4	9.0 ± 3.7	Filtered	Gross alpha and beta dissolved.	LAS
HAR-27	Primary	12/08/89	2.69 ± 2.73	5.65 ± 2.73	Filtered		UST
HAR-30	Primary	06/02/89	6.1 ± 2.8	10.2 ± 0.9	Unfiltered		BC
HAR-30	Primary	07/22/89	11.8 ± 2.3	7.4 ± 0.6	Unfiltered, Decanted		BC
HAR-30	Primary	07/22/89	5.6 ± 2.2	8.4 ± 0.7	Filtered		BC
HAR-30	Split	07/22/89	5 ± 2	3 ± 4	Unfiltered		FGL
HAR-30	Primary	09/11/89	14.2 ± 4.3	11.3 ± 1.6	Unfiltered		BC
HAR-30	Primary	06/29/90	10.7 ± 4.0	10.5 ± 1.4	Filtered		BC
HAR-30	Primary	06/29/90	6.20 ± 3.64	6.17 ± 2.92	Filtered		UST
Chatsworth Formation Wells							
RD-01	Primary	06/01/89	6.2 ± 4.8	6.8 ± 0.7	Unfiltered		BC
RD-01	Primary	07/22/89	4.2 ± 1.5	8.5 ± 0.5	Unfiltered, Decanted		BC
RD-01	Primary	09/11/89	11.5 ± 3.1	12.5 ± 1.1	Unfiltered		BC
RD-01	Primary	09/11/89	8.7 ± 2.8	14.7 ± 1.0	Filtered		BC

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-02	Primary	06/03/89	6.9 ± 3.2	2.3 ± 0.6	Unfiltered		BC
RD-02	Primary	07/23/89	3.9 ± 1.6	7.1 ± 0.5	Unfiltered, Decanted		BC
RD-03	Primary	06/07/89	1.9 ± 3.1	6.6 ± 0.7	Unfiltered		BC
RD-03	Primary	07/22/89	3.5 ± 1.6	7.7 ± 0.5	Unfiltered, Decanted		BC
RD-03	Primary	09/10/89	10.5 ± 1.9	7.1 ± 0.3	Unfiltered		BC
RD-03	Primary	09/10/89	5.9 ± 1.5	6.8 ± 0.3	Filtered		BC
RD-03	Primary	09/12/89	11.0 ± 2.2	4.0 ± 0.7	Unfiltered		BC
RD-03	Primary	09/12/89	10.0 ± 2.2	4.0 ± 0.7	Filtered		BC
RD-03	Split	09/12/89	0 ± 2	0 ± 2	Unfiltered		TMA
RD-03	Split	09/12/89	0 ± 2	19 ± 3	Filtered		TMA
RD-04	Primary	06/04/89	5.1 ± 7.6	4.3 ± 1.4	Unfiltered		BC
RD-04	Primary	06/04/89	2.0 ± 3.5	8.4 ± 0.6	Unfiltered		BC
RD-04	Primary	07/22/89	4.6 ± 1.6	9.2 ± 0.4	Unfiltered, Decanted		BC
RD-05B	Primary	06/07/89	9.8 ± 2.5	-1.0 ± 0.6	Unfiltered		BC
RD-05B	Primary	07/22/89	5.1 ± 1.7	7.9 ± 0.5	Unfiltered, Decanted		BC
RD-05B	Primary	09/10/89	2.0 ± 1.5	10.0 ± 0.3	Unfiltered		BC
RD-05B	Primary	09/10/89	3.5 ± 1.5	7.3 ± 0.3	Filtered		BC
RD-05B	Primary	03/16/93	<2	<3	Filtered		CEP
RD-05B	Primary	06/07/93	10 ± 4	21 ± 4	Filtered		CEP
RD-05B	Primary	08/09/93	8 ± 3	13 ± 3	Filtered		CEP
RD-05B	Primary	11/22/93	3.0 ± 4.7	5.4 ± 4.3	Filtered		LAS
RD-06	Primary	06/07/89	7.3 ± 2.2	7.5 ± 0.6	Unfiltered		BC
RD-06	Primary	07/22/89	18.1 ± 2.9	11.3 ± 0.8	Unfiltered, Decanted		BC
RD-06	Primary	09/10/89	4.0 ± 1.6	5.7 ± 0.3	Unfiltered		BC
RD-06	Primary	09/10/89	3.2 ± 1.3	7.5 ± 0.4	Filtered		BC
RD-06	Primary	10/18/89	2.10 ± 1.98	5.16 ± 1.99	Filtered		UST
RD-06	Primary	10/31/89	4.9 ± 3.98	6.03 ± 2.77	Unfiltered		UST
RD-06	Primary	10/31/89	3.11 ± 2.42	6.22 ± 2.79	Filtered		UST
RD-06	Primary	03/06/91	9.99 ± 5.83	3.58 ± 2.32	Filtered		IT
RD-06	Primary	03/10/92	<2	<3	Filtered		CEP
RD-06	Primary	03/16/93	4 ± 3	7 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-06	Primary	06/07/93	3 ± 2	8 ± 7	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-06	Primary	08/09/93	5 ± 3	4 ± 3	Filtered		CEP
RD-06	Primary	11/22/93	1.5 ± 4.1	5.5 ± 4.6	Filtered		LAS
RD-07	Primary	06/04/89	11.5 ± 5.0	8.1 ± 1.0	Unfiltered		BC
RD-07	Primary	07/22/89	6.6 ± 1.5	5.3 ± 0.5	Unfiltered, Decanted		BC
RD-07	Primary	09/13/89	8.0 ± 2.6	13.6 ± 0.9	Unfiltered		BC
RD-07	Primary	09/13/89	2.6 ± 1.8	9.9 ± 0.7	Filtered		BC
RD-07	Primary	12/05/90	7.19 ± 3.19	6.66 ± 2.72	Filtered		IT
RD-07	Primary	03/09/91	5.70 ± 2.67	3.63 ± 2.42	Filtered		IT
RD-07	Primary	12/07/91	7.42 ± 3.19	5.06 ± 1.61	Filtered		IT
RD-07	Primary	03/06/92	<2	6 ± 4	Filtered		CEP
RD-07	Primary	03/07/93	3 ± 2	5 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-07	Primary	02/27/94	6.4 ± 3.7	4.7 ± 2.7	Filtered		LAS
RD-07	Primary	08/09/94	6.1 ± 3.5	5.4 ± 2.8	Filtered		LAS
RD-07	Primary	02/09/95	3.4 ± 3.3	5.9 ± 3.2	Filtered		LAS
RD-07	Duplicate	02/09/95	10.8 ± 5.1	6.6 ± 3.5	Filtered		LAS
RD-07	Primary	08/04/95	6.6 ± 3.6	7.5 ± 2.8	Filtered		LAS
RD-07	Primary	02/07/96	12.2 ± 4.5	3.1 ± 1.9	Filtered		LAS
RD-07	Primary	08/18/96	8.7 ± 4.5	6.5 ± 3.2	Filtered		LAS
RD-07	Primary	02/25/97	9.5 ± 3.9	5.9 ± 2.4	Filtered		LAS
RD-07	Primary	08/25/97	12.5 ± 5.6	8.1 ± 4.3	Filtered		LAS
RD-07	Primary	02/05/98	10.3 ± 2.8	8.27 ± 1.7	Filtered		TN
RD-07	Primary	08/05/98	9.43 ± 8.9	-7.81 ± 18	Filtered		TN
RD-07	Primary	02/06/99	5.53 ± 2.3	11.9 ± 1.9	Filtered		TN
RD-07	Primary	08/19/99	6.94 ± 2.3	8.51 ± 1.7	Filtered		TN
RD-07	Primary	03/16/00	9.92 ± 3.2	9.58 ± 2.3	Filtered		TR
RD-07	Primary	08/10/00	8.94 ± 2.9	7.04 ± 2.6	Filtered		TR
RD-07	Primary	02/23/01	12.4 ± 3.7	8.74 ± 2.1	Filtered		ES
RD-07	Primary	11/07/01	6.18 ± 3.28	5.90 ± 1.5	Filtered		DL
RD-07	Primary	02/22/02	18.36 ± 5.66	4.37 ± 1.15	Filtered		DL
RD-07(Z13)	Primary	08/20/02	4.94 ± 3.5	5.90 ± 1.6	Filtered		ES
RD-07(Z3)	Primary	02/10/03	14.4 ± 3.5	15.5 ± 3.1	Filtered		ES
RD-07(Z13)	Primary	08/28/03	6.82 ± 2.9	9.29 ± 3.2	Filtered		ES
RD-07(Z4)	Primary	08/25/04	3.04 ± 2.0	8.63 ± 3.0	Filtered		ES
RD-07(Z5)	Primary	08/25/04	3.03 ± 2.1	8.02 ± 2.6	Filtered		ES
RD-07(Z6)	Primary	08/25/04	4.22 ± 2.5	7.83 ± 2.8	Filtered		ES
RD-07(Z7)	Primary	08/25/04	3.36 ± 2.0	7.90 ± 2.5	Filtered		ES
RD-07(Z8)	Primary	08/25/04	4.96 ± 2.5	7.99 ± 2.3	Filtered		ES

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-07(Z9)	Primary	08/25/04	6.61 ± 2.7	8.80 ± 2.6	Filtered		ES
RD-07(Z10)	Primary	08/25/04	2.80 J ± 1.8	6.13 ± 2.1	Filtered		ES
RD-07(Z11)	Primary	08/25/04	3.14 ± 1.8	5.91 ± 2.1	Filtered		ES
RD-07(Z12)	Primary	08/25/04	3.01 ± 1.8	10.9 ± 3.0	Filtered		ES
RD-07(Z13)	Primary	08/25/04	3.11 ± 1.9	7.64 ± 2.4	Filtered		ES
RD-07(Z3)	Primary	02/17/05	4.70 ± 2.4	-3.15 U ± 2.8	Filtered		ES
RD-07(Z3)	Primary	08/31/05	9.55 ± 2.8	5.92 ± 1.8	Filtered		ES
RD-07(Z3)	Primary	02/16/06	22.8 ± 6.5	15.6 ± 4.0	Filtered		ES
RD-07(Z3)	Primary	08/16/06	36.3 ± 8.4	19.8 ± 4.5	Filtered		ES
RD-08	Primary	06/07/89	-1.0 ± 2.9	4.1 ± 0.7	Unfiltered		BC
RD-08	Primary	07/24/89	-1.0 ± 1.0	4.5 ± 0.3	Unfiltered, Decanted		BC
RD-08	Primary	09/13/89	-1.0 ± 1.4	6.9 ± 0.5	Unfiltered		BC
RD-08	Primary	09/13/89	-1.0 ± 2.0	1.9 ± 0.8	Filtered		BC
RD-09	Primary	03/03/89	4 ± 2	7 ± 4	Unfiltered		FGL
RD-09	Primary	06/03/89	-1.0 ± 3.0	6.8 ± 0.7	Unfiltered		BC
RD-10	Primary	06/07/89	2.3 ± 2.5	2.6 ± 0.5	Unfiltered		BC
RD-10	Primary	07/22/89	6.9 ± 1.8	5.9 ± 0.4	Unfiltered, Decanted		BC
RD-10	Primary	09/10/89	5.0 ± 1.6	14.0 ± 0.4	Unfiltered		BC
RD-10	Primary	09/10/89	4.0 ± 1.5	10.0 ± 0.3	Filtered		BC
RD-10	Primary	03/06/91	1.85 ± 2.44	2.56 ± 2.02	Filtered		IT
RD-10	Primary	03/07/92	<2	<3	Filtered		CEP
RD-12	Primary	06/03/89	-1.0 ± 3.9	3.3 ± 0.9	Unfiltered		BC
RD-12	Primary	07/22/89	-1.0 ± 1.5	12.4 ± 1.3	Unfiltered, Decanted		BC
RD-13	Primary	09/05/89	7.6 ± 1.6	10.6 ± 0.3	Unfiltered		BC
RD-13	Primary	09/05/89	5.9 ± 1.3	10.1 ± 0.3	Filtered		BC
RD-13	Primary	09/12/89	7.0 ± 1.9	46.0 ± 0.5	Unfiltered		BC
RD-13	Primary	09/12/89	7.0 ± 2.4	5.6 ± 0.7	Filtered		BC
RD-13	Split	09/12/89	0 ± 2	7 ± 2	Unfiltered		TMA
RD-13	Split	09/12/89	4 ± 3	2 ± 2	Filtered		TMA
RD-13	Primary	10/17/89	5.9 ± 2.4	10.3 ± 0.6	Filtered		BC
RD-13	Primary	12/06/90	1.69 ± 2.16	5.03 ± 2.65	Filtered		IT
RD-13	Primary	03/08/91	2.15 ± 2.02	6.02 ± 2.72	Filtered		IT
RD-13	Primary	12/10/91	4.02 ± 2.51	5.68 ± 1.77	Filtered		IT
RD-13	Primary	03/12/92	<2	<3	Filtered		CEP
RD-13	Primary	03/08/93	7 ± 3	7 ± 4	Filtered		CEP

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-13	Primary	08/26/97	7.5 ± 4.6	6.4 ± 3.8	Filtered		LAS
RD-14	Primary	08/29/89	5.0 ± 2.19	3.0 ± 0.80	Unfiltered		BC
RD-14	Primary	08/29/89	4.0 ± 2.07	4.0 ± 0.77	Filtered		BC
RD-14	Primary	10/18/89	5.8 ± 2.3	8.6 ± 0.7	Filtered		BC
RD-14	Duplicate	10/18/89	4.83 ± 2.48	1.97 ± 1.65	Filtered		UST
RD-14	Primary	10/31/89	6.33 ± 3.05	5.15 ± 2.63	Unfiltered		UST
RD-14	Primary	10/31/89	5.27 ± 2.62	5.01 ± 2.62	Filtered		UST
RD-14	Primary	12/07/90	6.29 ± 3.02	6.69 ± 2.80	Filtered		IT
RD-14	Primary	03/09/91	9.44 ± 4.63	5.36 ± 2.53	Filtered		IT
RD-14	Primary	12/06/91	5.92 ± 3.40	7.66 ± 2.22	Filtered		IT
RD-14	Primary	03/05/92	3 ± 2	<3	Filtered		CEP
RD-14	Primary	03/07/93	4 ± 3	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-14	Primary	02/24/94	1.8 ± 3	0.8 ± 3.2	Filtered		LAS
RD-14	Primary	02/08/95	5.4 ± 4.4	5.7 ± 3.5	Filtered		LAS
RD-14	Primary	02/16/96	4.4 ± 3.4	5.4 ± 2.2	Filtered		LAS
RD-14	Primary	02/07/97	3.7 ± 3.6	7.7 ± 3.3	Filtered		LAS
RD-15	Primary	08/30/89	8.0 ± 2.5	5.0 ± 0.89	Unfiltered		BC
RD-15	Primary	08/30/89	6.0 ± 2.62	12.0 ± 0.89	Filtered		BC
RD-15	Primary	10/19/89	12.5 ± 2.7	10.7 ± 1.0	Filtered		BC
RD-15	Primary	12/07/90	5.82 ± 2.76	6.45 ± 2.77	Filtered		IT
RD-15	Primary	03/10/91	9.29 ± 3.41	8.99 ± 3.05	Filtered		IT
RD-15	Primary	12/06/91	12.3 ± 5.11	9.19 ± 2.48	Filtered		IT
RD-15	Primary	03/11/92	3 ± 2	7 ± 3	Filtered		CEP
RD-15	Split	03/11/92	7.7 ± 5.7	14 ± 3	Filtered		TEL
RD-15	Primary	05/10/01	2.02 ± 2.4	3.68 ± 3.0	Filtered		ES
RD-15	Primary	03/06/02	7.84 ± 3.91	4.77 ± 1.32	Filtered		DL
RD-15	Primary	02/26/03	5.24 ± 3.1	14.4 ± 4.6	Filtered		ES
RD-15	Primary	02/24/04	3.63 U ± 3.3	7.91 ± 3.6	Filtered		ES
RD-15	Primary	08/09/04	4.1 U ± 3.0	10.4 ± 3.5	Filtered		ES
RD-15	Primary	02/14/05	8.00 ± 3.6	8.34 ± 3.1	Filtered		ES
RD-15	Primary	08/24/05	5.23 ± 1.8	7.22 ± 2.2	Filtered		ES
RD-15	Primary	02/16/06	4.68 ± 3.2	8.84 ± 2.9	Filtered		ES
RD-15	Split	02/16/06	5.52 ± 1.98	10.9 ± 2.52	Filtered		STL
RD-15	Primary	08/08/06	6.83 ± 2.3	7.49 ± 2.6	Filtered		ES
RD-15	Split	08/08/06	4.16 ± 2.9	11.1 ± 3.2	Filtered		STL
RD-16	Primary	09/14/89	15.3 ± 3.7	5.9 ± 1.8	Unfiltered		BC
RD-16	Primary	09/14/89	4.1 ± 2.0	6.6 ± 1.0	Filtered		BC
RD-16	Primary	10/25/89	6.4 ± 2.3	9.2 ± 0.6	Filtered		BC

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-16	Primary	07/01/90	1.92 ± 2.37	6.35 ± 2.87	Filtered		UST
RD-16	Primary	12/07/90	4.88 ± 2.54	6.39 ± 2.72	Filtered		IT
RD-16	Primary	03/09/91	6.12 ± 2.82	4.20 ± 2.51	Filtered		IT
RD-16	Primary	12/05/91	3.00 ± 2.27	6.38 ± 1.93	Filtered		IT
RD-16	Primary	06/06/92	2 ± 2	-2 ± 3	Filtered		CEP
RD-16	Primary	05/27/98	4.72 ± 2.4	7.56 ± 1.7	Filtered		TN
RD-17	Primary	09/21/89	9.4 ± 2.1	8.3 ± 1.1	Unfiltered		BC
RD-17	Primary	09/21/89	1.7 ± 1.6	8.5 ± 0.8	Filtered		BC
RD-17	Primary	10/18/89	-1.0 ± 1.5	5.6 ± 0.5	Filtered		BC
RD-17	Duplicate	10/18/89	2.8 ± 2.0	5.7 ± 0.5	Filtered		BC
RD-17	Primary	12/04/90	4.50 ± 2.87	1.63 ± 2.22	Filtered		IT
RD-17	Primary	03/05/91	4.22 ± 2.27	1.69 ± 0.994	Filtered		IT
RD-17	Primary	12/07/91	2.42 ± 1.81	4.94 ± 1.63	Filtered		IT
RD-17	Split	12/07/91	<2	<3	Filtered		CEP
RD-17	Primary	03/04/92	<2	<3	Filtered		CEP
RD-17	Primary	03/05/93	3 ± 2	4 ± 3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-17	Primary	02/26/94	3.8 ± 3.5	7.4 ± 2.9	Filtered		LAS
RD-17	Primary	02/08/95	4.7 ± 3.6	3.1 ± 3.0	Filtered		LAS
RD-17	Primary	02/04/96	8.8 ± 3.3	2.0 ± 1.5	Filtered		LAS
RD-17	Primary	02/08/97	4.5 ± 3.2	7.3 ± 2.6	Filtered		LAS
RD-17	Primary	02/04/98	4.18 ± 2.0	6.25 ± 1.6	Filtered		TN
RD-17	Primary	02/08/99	4.31 ± 2.0	5.94 ± 1.7	Filtered		TN
RD-17	Primary	02/21/00	3.57 ± 2.6	6.66 ± 3.7	Filtered		TR
RD-17	Primary	02/14/01	4.46 ± 2.6	7.87 ± 1.6	Filtered		ES
RD-17	Primary	03/01/02	4.70 ± 1.96	4.59 ± 1.30	Filtered		DL
RD-17	Primary	02/24/03	2.73 ± 2.3	7.25 ± 3.6	Filtered		ES
RD-17	Primary	02/23/04	5.68 ± 3.4	9.16 ± 3.8	Filtered		ES
RD-17	Primary	08/09/04	3.07 ± 2.7	8.44 ± 3.7	Filtered		ES
RD-17	Primary	02/15/05	2.93 U ± 2.6	7.32 ± 2.9	Filtered		ES
RD-17	Primary	08/23/05	2.61 J ± 1.3	7.49 ± 2.0	Filtered		ES
RD-17	Primary	02/16/06	0.699 U ± 2.7	7.98 ± 3.2	Filtered		ES
RD-17	Primary	08/10/06	3.32 ± 1.6	5.63 ± 2.1	Filtered		ES
RD-18	Primary	09/15/89	16.0 ± 2.5	14.4 ± 1.2	Unfiltered		BC
RD-18	Primary	09/15/89	12.7 ± 2.3	6.7 ± 1.2	Filtered		BC
RD-18	Primary	10/26/89	6.0 ± 2.0	9.6 ± 0.7	Filtered		BC
RD-18	Primary	07/01/90	3.85 ± 2.23	6.95 ± 2.79	Filtered		UST
RD-18	Primary	12/08/90	8.20 ± 3.26	6.62 ± 2.90	Filtered		IT
RD-18	Primary	03/09/91	3.31 ± 1.87	4.05 ± 2.42	Filtered		IT

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-18	Primary	12/11/91	2.51 ± 1.91	3.45 ± 1.27	Filtered		IT
RD-18	Primary	03/12/92	7 ± 2	11 ± 3	Filtered		CEP
RD-18	Primary	03/17/93	4 ± 2	12 ± 4	Filtered		CEP
RD-18	Primary	06/08/93	8 ± 3	22 ± 4	Filtered		CEP
RD-18	Primary	08/09/93	7 ± 2	16 ± 3	Filtered		CEP
RD-18	Primary	11/04/93	1.5 ± 1.9	7.2 ± 2.5	Filtered		LAS
RD-18	Primary	02/22/94	13.6 ± 4.4	8.7 ± 2.6	Filtered		LAS
RD-18	Primary	02/17/95	22.1 ± 5.3	20.4 ± 3.0	Filtered		LAS
RD-18	Reanalysis of Primary	02/17/95	8.5 ± 3.4	12.2 ± 2.2	Filtered		LAS
RD-18	Primary	02/05/96	1.9 ± 2.3	2.4 ± 1.6	Filtered		LAS
RD-18	Primary	02/06/97	11.2 ± 3.8	7.3 ± 2.3	Filtered		LAS
RD-18	Primary	02/06/98	3.42 ± 1.5	4.95 ± 1.5	Filtered		TN
RD-19	Primary	08/31/89	10.0 ± 2.35	18.0 ± 0.77	Unfiltered		BC
RD-19	Primary	08/31/89	13.0 ± 2.41	1.3 ± 0.88	Filtered		BC
RD-19	Primary	10/26/89	11.0 ± 2.1	13.4 ± 0.7	Filtered		BC
RD-19	Primary	12/08/90	6.66 ± 3.17	9.06 ± 3.20	Filtered		IT
RD-19	Duplicate	12/08/90	11.9 ± 5.63	11.6 ± 3.38	Filtered		IT
RD-19	Primary	03/08/91	11.7 ± 5.80	7.74 ± 2.89	Filtered		IT
RD-19	Duplicate	03/08/91	8.80 ± 4.49	7.96 ± 2.93	Filtered		IT
RD-19	Primary	12/11/91	9.20 ± 5.31	11.2 ± 3.47	Filtered		IT
RD-19	Primary	03/12/92	17 ± 4	15 ± 4	Filtered		CEP
RD-19	Primary	03/08/93	6 ± 4	12 ± 4	Filtered	Gross alpha and beta high statistics due to large amount of solids.	CEP
RD-19	Duplicate	03/08/93	5 ± 4	13 ± 4	Filtered	Gross alpha and beta high statistics due to large amount of solids.	CEP
RD-19	Primary	02/26/94	18 ± 9.2	17.5 ± 5.4	Filtered		LAS
RD-19	Reanalysis of Primary	02/26/94	21 ± 10	32.1 ± 8.9	Filtered		LAS
RD-19	Primary	02/15/95	100 ± 22	50.2 ± 9.8	Filtered		LAS
RD-19	Reanalysis of Primary	02/15/95	13.3 ± 8.7	34.6 ± 7.0	Filtered		LAS
RD-19	Primary	02/06/96	36 ± 12	29.8 ± 7.1	Filtered		LAS
RD-19	Reanalysis of Primary	02/06/96	6.9 ± 5.0	3.6 ± 2.8	Filtered		LAS
RD-19	Primary	02/07/97	27 ± 10	17.3 ± 5.7	Filtered		LAS
RD-19	Primary	02/06/98	25.6 ± 5.7	18.6 ± 2.5	Filtered		TN
RD-20	Primary	09/05/89	14.4 ± 2.4	34.1 ± 0.8	Unfiltered		BC
RD-20	Primary	09/05/89	10.0 ± 2.3	16.7 ± 0.7	Filtered		BC
RD-20	Primary	10/17/89	13.1 ± 3.3	17.06 ± 1.0	Filtered		BC
RD-20	Primary	12/07/90	4.74 ± 2.36	2.49 ± 2.30	Filtered		IT
RD-20	Primary	03/05/91	4.07 ± 2.23	5.29 ± 1.39	Filtered		IT

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-20	Primary	12/10/91	4.43 ± 3.96	9.08 ± 3.07	Filtered		IT
RD-20	Primary	03/04/92	4 ± 3	5 ± 3	Filtered		CEP
RD-20	Primary	03/03/93	6 ± 5	10 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-20	Primary	02/22/94	5 ± 6.4	8.3 ± 6.9	Filtered		LAS
RD-20	Primary	02/16/95	35 ± 11	36.3 ± 6.9	Filtered		LAS
RD-20	Reanalysis of Primary	02/16/95	10.1 ± 6.0	9.6 ± 6.0	Filtered		LAS
RD-20	Duplicate	02/16/95	46 ± 12	35.4 ± 6.7	Filtered		LAS
RD-20	Reanalysis of Duplicate	02/16/95	6.5 ± 5.5	10.3 ± 6.9	Filtered		LAS
RD-20	Primary	02/04/96	6.5 ± 6.9	4.7 ± 4.2	Filtered		LAS
RD-20	Primary	02/08/97	14.4 ± 6.9	5.8 ± 3.9	Filtered		LAS
RD-20	Primary	02/04/98	8.04 ± 3.6	8.24 ± 2.0	Filtered		TN
RD-21	Primary	09/12/89	6.5 ± 2.2	5.5 ± 1.1	Unfiltered		BC
RD-21	Primary	09/12/89	6.0 ± 2.0	-0.5 ± 1.0	Filtered		BC
RD-21	Primary	10/20/89	7.7 ± 2.6	10.8 ± 0.9	Filtered		BC
RD-21	Duplicate	10/20/89	12.3 ± 3.0	3.1 ± 1.0	Filtered		BC
RD-21	Primary	12/03/90	2.91 ± 2.53	1.85 ± 2.34	Filtered		IT
RD-21	Primary	03/08/91	7.80 ± 4.84	5.85 ± 2.62	Filtered		IT
RD-21	Primary	12/05/91	7.59 ± 3.74	6.37 ± 2.11	Filtered		IT
RD-21	Primary	03/04/92	5 ± 2	5 ± 4	Filtered		CEP
RD-21	Primary	03/06/93	3 ± 2	<3	Filtered		CEP
RD-21	Primary	06/22/93	13 ± 4	37 ± 5	Filtered		CEP
RD-21	Primary	08/06/93	3 ± 2	<3	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-21	Primary	11/06/93	4.1 ± 3.0	6.5 ± 3.5	Filtered		LAS
RD-21	Primary	02/25/94	7.2 ± 4.5	6.1 ± 3.5	Filtered		LAS
RD-21	Primary	08/08/94	6.8 ± 3.9	6.6 ± 3.3	Filtered		LAS
RD-21	Primary	02/08/95	8.2 ± 4.8	9.2 ± 3.7	Filtered		LAS
RD-21	Primary	08/31/95	13.7 ± 6.3	5.5 ± 3.9	Filtered		LAS
RD-21	Primary	02/16/96	6.8 ± 4.1	5.1 ± 2.8	Filtered		LAS
RD-21	Primary	08/18/96	10.3 ± 5.6	3.5 ± 3.5	Filtered		LAS
RD-21	Primary	02/06/97	4.6 ± 3.8	4.5 ± 3.1	Filtered		LAS
RD-21	Primary	02/09/98	11.8 ± 3.3	6.79 ± 1.7	Filtered		TN
RD-21	Primary	02/16/99	13.0 ± 4.5	6.58 ± 1.7	Filtered		TN
RD-21	Primary	03/15/00	17.2 ± 4.5	6.85 ± 2.2	Filtered		TR
RD-21	Primary	10/24/01	21.45 ± 5.64	3.85 ± 0.96	Filtered		DL
RD-21	Primary	03/06/02	5.04 ± 2.93	3.07 ± 1.20	Filtered		DL
RD-21(Z2)	Primary	02/25/03	2.78 ± 2.5	7.72 ± 3.6	Filtered		ES
RD-21(Z2)	Primary	11/04/04	0.726 U ± 1.7	5.09 ± 2.8	Filtered		ES
RD-21(Z2)	Primary	02/16/05	4.89 ± 3.3	4.19 U ± 3.2	Filtered		ES

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-21(Z2)	Primary	09/01/05	4.37 ± 1.7	6.70 ± 2.2	Filtered		ES
RD-21(Z2)	Primary	02/16/06	-0.928 U ± 4.1	6.03 ± 3.9	Filtered		ES
RD-21(Z2)	Primary	08/16/06	5.86 ± 2.3	6.86 ± 2.2	Filtered		ES
RD-22	Primary	09/13/89	7.8 ± 2.8	5.5 ± 1.3	Unfiltered		BC
RD-22	Primary	09/13/89	7.8 ± 1.7	35.0 ± 0.8	Filtered		BC
RD-22	Primary	10/19/89	-1.0 ± 2.1	9.0 ± 0.8	Filtered		BC
RD-22	Primary	03/27/90	2.92 ± 2.85	6.02 ± 2.75	Filtered		UST
RD-22	Primary	07/01/90	3.27 ± 3.12	5.01 ± 2.63	Filtered		UST
RD-22	Primary	09/15/90	0.539 ± 1.87	7.38 ± 2.88	Filtered		UST
RD-22	Primary	12/04/90	5.87 ± 4.09	6.14 ± 2.78	Filtered		IT
RD-22	Duplicate	12/04/90	3.57 ± 3.91	3.71 ± 2.57	Filtered		IT
RD-22	Primary	03/11/91	11.4 ± 7.46	3.64 ± 2.39	Filtered		IT
RD-22	Primary	06/05/91	2.71 ± 2.60	7.64 ± 2.85	Filtered		IT
RD-22	Primary	12/06/91	3.59 ± 3.06	5.17 ± 2.36	Filtered		IT
RD-22	Primary	06/05/92	3 ± 2	-3 ± 3	Filtered		CEP
RD-22	Primary	09/10/92	3 ± 2	15 ± 4	Filtered		CEP
RD-22	Primary	12/04/92	3 ± 2	14 ± 3	Filtered		CEP
RD-22	Primary	03/20/93	<2	10 ± 3	Filtered		CEP
RD-22	Primary	06/22/93	10 ± 4	36 ± 5	Filtered		CEP
RD-22	Primary	08/05/93	<2	<3	Filtered		CEP
RD-22	Primary	11/21/93	3.5 ± 3.8	8.9 ± 4.2	Filtered		LAS
RD-22	Primary	02/24/94	4.6 ± 5.1	8.6 ± 5.4	Filtered		LAS
RD-22	Primary	08/09/94	2.3 ± 3.3	7.7 ± 3.6	Filtered		LAS
RD-22	Primary	02/17/95	29.6 ± 8.4	26.6 ± 4.8	Filtered		LAS
RD-22	Reanalysis of Primary	02/17/95	0.2 ± 2.6	4.5 ± 3.4	Filtered		LAS
RD-22	Primary	08/29/95	3.1 ± 4.2	8.1 ± 4.5	Filtered		LAS
RD-22	Primary	02/16/96	2.2 ± 3.0	2.6 ± 2.1	Filtered		LAS
RD-22	Primary	08/18/96	-0.3 ± 4.3	8.9 ± 4.9	Filtered		LAS
RD-22	Primary	02/26/97	3.9 ± 4.2	7.5 ± 3.8	Filtered		LAS
RD-22	Primary	05/28/98	4.18 ± 2.8	7.19 ± 1.7	Filtered		TN
RD-22	Primary	02/17/99	0.868 ± 2.0	4.48 ± 1.7	Filtered		TN
RD-22	Primary	02/06/00	5.12 ± 3.3	8.10 ± 2.8	Filtered		TR
RD-22	Primary	02/16/01	3.64 ± 3.3	8.59 ± 1.7	Filtered		ES
RD-22	Primary	02/20/02	9.21 ± 3.56	4.79 ± 9.21	Filtered		DL
RD-22(Z2)	Primary	02/24/03	2.97 ± 1.4	9.22 ± 1.9	Filtered		ES
RD-22(Z2)	Primary	11/12/04	3.41 ± 2.4	6.82 ± 3.1	Filtered		ES
RD-22(Z2)	Primary	02/17/05	3.55 U ± 2.9	-2.82 U ± 4.6	Filtered		ES
RD-22(Z2)	Primary	08/31/05	5.18 ± 2.1	7.87 ± 2.5	Filtered		ES

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 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-22(Z2)	Primary	02/15/06	-2.11 U ± 4.0	8.51 ± 3.6	Filtered		ES
RD-22(Z2)	Primary	08/16/06	3.28 ± 1.8	6.19 ± 2.4	Filtered		ES
RD-23	Primary	09/13/89	8.6 ± 2.4	7.4 ± 1.2	Unfiltered		BC
RD-23	Primary	09/13/89	8.2 ± 2.3	-0.5 ± 1.2	Filtered		BC
RD-23	Primary	10/20/89	9.4 ± 3.0	6.5 ± 0.9	Filtered		BC
RD-23	Primary	06/29/90	0.58 ± 2.12	1.73 ± 2.18	Filtered		UST
RD-23	Primary	12/05/90	1.28 ± 1.52	2.27 ± 2.26	Filtered		IT
RD-23	Primary	03/11/91	3.30 ± 1.94	0.626 ± 1.89	Filtered		IT
RD-23	Duplicate	03/11/91	1.61 ± 1.34	3.98 ± 2.41	Filtered		IT
RD-23	Primary	12/05/91	3.80 ± 2.08	5.50 ± 1.50	Filtered		IT
RD-23	Primary	03/04/92	<2	<3	Filtered		CEP
RD-23	Primary	03/21/93	<2	9 ± 2	Filtered		CEP
RD-23	Primary	06/23/93	<2	6 ± 4	Filtered		CEP
RD-23	Primary	08/06/93	<2	<3	Filtered		CEP
RD-23	Primary	11/06/93	2.9 ± 2.5	3.3 ± 2.4	Filtered		LAS
RD-23	Primary	02/25/94	3.1 ± 2.8	3.9 ± 2.8	Filtered		LAS
RD-23	Primary	08/08/94	2.5 ± 2.7	5.7 ± 2.7	Filtered		LAS
RD-23	Primary	11/22/94	4.4 ± 2.8	4.5 ± 2.0	Filtered		LAS
RD-23	Primary	02/05/95	3.1 ± 3.1	8.4 ± 3.3	Filtered		LAS
RD-23	Primary	08/03/95	4.1 ± 3.2	7.2 ± 3.1	Filtered		LAS
RD-23	Primary	02/16/96	3.6 ± 2.7	4.0 ± 1.8	Filtered		LAS
RD-23	Primary	08/18/96	2.9 ± 2.8	3.9 ± 2.5	Filtered		LAS
RD-23	Primary	02/27/97	6.4 ± 3.1	3.8 ± 1.9	Filtered		LAS
RD-23	Primary	02/07/98	4.11 ± 1.7	4.93 ± 1.4	Filtered		TN
RD-23	Primary	02/08/99	4.69 ± 2.1	4.64 ± 1.5	Filtered		TN
RD-23	Primary	02/05/00	4.69 ± 2.3	5.26 ± 2.6	Filtered		TR
RD-23	Primary	10/25/01	4.89 ± 2.43	2.42 ± 1.12	Filtered		DL
RD-23	Primary	10/25/01	3.05 ± 1.94	3.66 ± 1.29	Filtered		DL
RD-23(Z1)	Primary	02/26/03	4.42 ± 1.3	6.18 ± 1.8	Filtered		ES
RD-23(Z2)	Primary	11/03/04	1.47 U ± 1.6	5.19 ± 2.3	Filtered		ES
RD-23(Z2)	Primary	02/14/05	2.82 J ± 1.8	4.20 ± 2.0	Filtered		ES
RD-23(Z3)	Primary	09/12/05	3.61 ± 1.2	2.05 J ± 1.2	Filtered		ES
RD-23(Z3)	Primary	02/17/06	1.80 U ± 2.1	4.91 ± 1.7	Filtered		ES
RD-23(Z2)	Primary	08/17/06	0.793U ± 1.5	3.2J ± 1.4	Filtered		ES
RD-24	Primary	09/12/89	8.6 ± 1.6	14.0 ± 0.6	Unfiltered		BC
RD-24	Primary	09/12/89	4.3 ± 1.0	7.4 ± 0.2	Filtered		BC
RD-24	Split	09/12/89	3 ± 2	6 ± 2	Unfiltered		TMA
RD-24	Split	09/12/89	2 ± 3	7 ± 2	Filtered		TMA

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-24	Primary	10/17/89	2.4 ± 2.3	7.3 ± 0.5	Filtered		BC
RD-24	Primary	12/05/90	6.15 ± 3.65	6.12 ± 2.81	Filtered		IT
RD-24	Primary	03/06/91	5.46 ± 2.99	3.68 ± 1.86	Filtered		IT
RD-24	Primary	12/11/91	6.33 ± 3.50	5.21 ± 1.84	Filtered		IT
RD-24	Primary	03/06/92	3 ± 2	<3	Filtered		CEP
RD-24	Primary	03/07/93	3 ± 2	7 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-24	Primary	02/23/94	7.6 ± 4.4	7 ± 3.3	Filtered		LAS
RD-24	Primary	08/08/94	3.0 ± 2.7	6.9 ± 2.7	Filtered		LAS
RD-24	Primary	02/16/95	16.5 ± 5.9	25.2 ± 4.4	Filtered		LAS
RD-24	Reanalysis of Primary	02/16/95	10 ± 4.4	13.0 ± 2.8	Filtered		LAS
RD-24	Primary	08/10/95	3.4 ± 2.8	5.9 ± 2.5	Filtered		LAS
RD-24	Primary	02/07/96	9.0 ± 5.6	2.9 ± 3.5	Filtered		LAS
RD-24	Primary	08/07/96	3.5 ± 5.0	6.8 ± 3.9	Filtered		LAS
RD-24	Primary	02/07/97	4.7 ± 3.5	6.4 ± 2.9	Filtered		LAS
RD-24	Primary	08/04/97	3.7 ± 3.2	5.9 ± 3.0	Filtered		LAS
RD-24	Primary	02/18/98	4.42 ± 2.0	8.05 ± 1.7	Filtered		TN
RD-24	Primary	05/05/98	3.63 ± 2.8	7.06 ± 2.1	Filtered		TN
RD-24	Primary	08/04/98	12.2 ± 9.5	11.0 ± 18	Filtered		TN
RD-24	Primary	02/02/99	4.53 ± 2.3	7.10 ± 2.6	Filtered		TN
RD-24	Primary	08/11/99	3.18 ± 2.0	7.07 ± 1.8	Filtered		TN
RD-24	Primary	02/03/00	4.87 ± 1.7	13.3 ± 2.0	Filtered		TR
RD-24	Primary	08/04/00	4.16 ± 2.0	6.26 ± 1.9	Filtered		TR
RD-24	Primary	02/06/01	4.84 ± 3.0	7.86 ± 2.1	Filtered		ES
RD-24	Primary	10/25/01	14.45 ± 4.88	5.14 ± 1.28	Filtered		DL
RD-24	Primary	02/25/02	5.44 ± 12.70	3.90 ± 11.26	Filtered		DL
RD-24	Primary	11/06/02	8.93 ± 3.3	8.16 ± 2.1	Filtered		ES
RD-24	Primary	11/14/03	5.06 ± 3.4	9.29 ± 3.4	Filtered		ES
RD-24	Split	11/14/03	11.6 ± 4.56	13.3 ± 4.16	Filtered		STL
RD-24	Primary	02/12/03	2.83 ± 1.4	6.67 ± 1.3	Filtered		ES
RD-24	Primary	02/23/04	3.25 ± 1.9	4.86 ± 2.6	Filtered		ES
RD-24	Primary	08/26/04	1.70 U ± 1.9	8.17 ± 2.8	Filtered		ES
RD-24	Primary	02/24/05	2.52 J ± 1.9	7.06 ± 2.4	Filtered		ES
RD-24	Primary	09/06/05	4.06 ± 1.6	7.28 ± 2.3	Filtered		ES
RD-24	Primary	02/15/06	0.624 U ± 4.3	5.03 U ± 3.7	Filtered		ES
RD-24	Primary	08/10/06	2.71U ± 2.1	7.67 ± 2.8	Filtered		ES
RD-25	Primary	09/12/89	4.2 ± 1.4	11.4 ± 0.4	Unfiltered		BC
RD-25	Primary	09/12/89	8.9 ± 1.7	56.1 ± 0.5	Filtered		BC
RD-25	Split	09/12/89	0 ± 3	6 ± 2	Unfiltered		TMA

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-25	Split	09/12/89	0 ± 4	5 ± 5	Unfiltered		TMA
RD-25	Split	09/12/89	2 ± 3	3 ± 2	Filtered		TMA
RD-25	Split	09/12/89	0 ± 3	3 ± 4	Filtered		TMA
RD-25	Primary	09/19/89	3.4 ± 2.3	1.6 ± 1.1	Unfiltered		BC
RD-25	Primary	09/19/89	10.4 ± 2.4	3.7 ± 1.2	Filtered		BC
RD-25	Primary	10/20/89	6.0 ± 2.3	9.2 ± 0.7	Filtered		BC
RD-25	Primary	12/05/90	3.84 ± 3.17	6.77 ± 2.84	Filtered		IT
RD-25	Primary	03/06/91	2.16 ± 10.3	3.28 ± 1.17	Filtered		IT
RD-25	Primary	12/10/91	8.29 ± 4.23	5.87 ± 2.18	Filtered		IT
RD-25	Primary	03/06/92	3 ± 2	<3	Filtered		CEP
RD-25	Primary	03/17/93	7 ± 3	4 ± 3	Filtered		CEP
RD-25	Primary	02/28/94	9.8 ± 5.7	5.6 ± 3.8	Filtered		LAS
RD-25	Primary	08/17/94	10.1 ± 5.2	7.3 ± 4.4	Filtered		LAS
RD-25	Primary	02/09/95	46 ± 11	41.7 ± 6.4	Filtered		LAS
RD-25	Reanalysis of Primary	02/09/95	9.7 ± 5.3	13.0 ± 4.4	Filtered		LAS
RD-25	Primary	08/18/95	9.0 ± 5.1	8.5 ± 3.6	Filtered		LAS
RD-25	Primary	02/06/96	5.7 ± 3.4	3.8 ± 2.0	Filtered		LAS
RD-25	Primary	08/20/96	11.3 ± 5.6	9.6 ± 3.9	Filtered		LAS
RD-25	Primary	02/07/97	4.9 ± 3.7	6.0 ± 3.0	Filtered		LAS
RD-25	Primary	08/21/97	12.1 ± 5.9	7.6 ± 4.1	Filtered		LAS
RD-25	Primary	02/05/98	12.2 ± 3.8	7.55 ± 2.1	Filtered		TN
RD-25	Primary	08/18/98	3.13 ± 1.2	6.01 ± 1.5	Filtered		TN
RD-25	Primary	02/16/99	18.3 ± 5.2	9.37 ± 2.1	Filtered		TN
RD-25	Primary	08/19/99	2.96 ± 1.7	5.74 ± 1.7	Filtered		TN
RD-25	Primary	02/16/00	5.66 ± 3.1	3.64 ± 4.3	Filtered		TR
RD-25	Primary	08/09/00	0.815 ± 1.5	5.33 ± 1.7	Filtered		TR
RD-25	Primary	02/07/01	4.60 ± 2.6	12.5 ± 2.2	Filtered		ES
RD-25	Primary	10/25/01	12.22 ± 4.97	6.17 ± 1.49	Filtered		DL
RD-25	Primary	03/07/02	6.00 ± 3.25	4.53 ± 1.37	Filtered		DL
RD-25	Primary	11/06/02	9.90 ± 3.6	7.83 ± 1.8	Filtered		ES
RD-25	Primary	02/24/03	3.92 ± 1.4	9.12 ± 1.9	Filtered		ES
RD-25	Primary	11/13/03	7.21 ± 4.2	7.19 ± 2.6	Filtered		ES
RD-25	Primary	02/23/04	4.78 ± 3.3	9.34 ± 4.1	Filtered		ES
RD-25	Split	02/23/04	5.81 ± 2.88	8.24 ± 2.53	Filtered		STL
RD-26	Primary	09/26/89	11.8 ± 1.9	10.8 ± 0.7	Unfiltered		BC
RD-26	Primary	09/26/89	7.1 ± 1.5	9.2 ± 0.6	Filtered		BC
RD-26	Primary	10/20/89	8.9 ± 2.9	11.9 ± 0.8	Filtered		BC
RD-26	Primary	12/04/90	7.20 ± 4.33	2.90 ± 2.39	Filtered		IT

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-26	Primary	03/07/91	12.9 ± 4.75	4.63 ± 2.54	Filtered		IT
RD-26	Primary	03/11/92	<2	<3	Filtered		CEP
RD-27	Primary	09/21/89	21.0 ± 2.8	13.1 ± 1.4	Unfiltered		BC
RD-27	Primary	09/21/89	13.7 ± 2.4	5.7 ± 1.3	Filtered		BC
RD-27	Primary	10/19/89	10.3 ± 2.8	9.6 ± 0.7	Filtered		BC
RD-27	Primary	12/04/90	6.79 ± 3.45	3.39 ± 2.43	Filtered		IT
RD-27	Primary	03/07/91	15.2 ± 10.3	7.91 ± 2.82	Filtered		IT
RD-27	Primary	06/08/91	5.75 ± 2.66	2.53 ± 1.18	Filtered		IT
RD-27	Primary	12/06/91	5.65 ± 2.67	9.70 ± 1.94	Filtered		IT
RD-27	Primary	03/09/92	<2	<3	Filtered		CEP
RD-27	Primary	03/08/93	5 ± 3	11 ± 4	Filtered		CEP
RD-27	Primary	02/28/94	5.8 ± 3	8.2 ± 2.6	Filtered		LAS
RD-27	Primary	08/18/94	3.6 ± 3.0	9.0 ± 2.9	Filtered		LAS
RD-27	Primary	02/17/95	23.7 ± 5.7	21.2 ± 3.0	Filtered		LAS
RD-27	Reanalysis of Primary	02/17/95	3.8 ± 2.6	9.5 ± 2.5	Filtered		LAS
RD-27	Primary	08/18/95	5.2 ± 2.9	6.4 ± 2.2	Filtered		LAS
RD-27	Primary	02/05/96	4.7 ± 3.1	8.4 ± 2.3	Filtered		LAS
RD-27	Primary	08/19/96	2.3 ± 2.7	6.7 ± 2.7	Filtered		LAS
RD-27	Primary	02/05/97	5.8 ± 3.1	8.4 ± 2.3	Filtered		LAS
RD-27	Primary	08/27/97	4.2 ± 3.5	5.2 ± 3.1	Filtered		LAS
RD-27	Primary	02/04/98	6.68 ± 2.2	8.62 ± 1.7	Filtered		TN
RD-27	Primary	08/07/98	8.47 ± 8.3	-19.0 ± 20	Filtered		TN
RD-27	Primary	02/16/99	4.86 ± 2.2	6.31 ± 1.9	Filtered		TN
RD-27	Primary	08/17/99	5.30 ± 1.9	6.66 ± 1.8	Filtered		TN
RD-27	Primary	02/21/00	4.92 ± 2.8	6.16 ± 4.1	Filtered		TR
RD-27	Primary	08/04/00	3.15 ± 2.0	4.88 ± 2.1	Filtered		TR
RD-27	Primary	02/14/01	4.27 ± 1.9	8.48 ± 4.1	Filtered		ES
RD-27	Primary	10/26/01	10.14 ± 3.64	7.46 ± 1.49	Filtered		DL
RD-27	Primary	03/06/02	5.25 ± 2.56	5.28 ± 1.38	Filtered		DL
RD-27	Primary	08/22/02	2.42 ± 3.0	4.47 ± 3.1	Filtered		ES
RD-27	Primary	05/14/03	4.43 ± 2.5	7.41 ± 3.0	Filtered		ES
RD-27	Primary	11/14/03	1.68 ± 1.7 (U)	6.79 ± 2.3	Filtered		ES
RD-27	Split	11/14/03	4.91 ± 2.29	7.05 ± 2.35	Filtered		STL
RD-27	Primary	02/23/04	9.34 ± 4	10.1 ± 3.7	Filtered		ES
RD-27	Primary	08/10/04	2.87 J ± 2	5.78 ± 2.3	Filtered		ES
RD-27	Primary	02/17/05	4.55 ± 2.1	5.68 ± 2	Filtered		ES
RD-27	Primary	08/24/05	2.44 J ± 1.9	7.97 ± 2.7	Filtered		ES

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-27	Primary	02/20/06	6.14 ± 2.9	9.06 ± 2.4	Filtered		ES
RD-27	Primary	08/25/06	1.57U ± 1.5	6.89 ± 1.8	Filtered		ES
RD-28	Primary	09/13/89	9.5 ± 1.3	18.3 ± 0.4	Unfiltered		BC
RD-28	Primary	09/13/89	7.1 ± 1.3	16.1 ± 0.4	Filtered		BC
RD-28	Split	09/13/89	4 ± 3	7 ± 6	Unfiltered		TMA
RD-28	Split	09/13/89	7 ± 4	14 ± 5	Filtered		TMA
RD-28	Primary	09/26/89	14.9 ± 2.6	9.4 ± 0.8	Unfiltered		BC
RD-28	Primary	09/26/89	10.4 ± 2.3	12.3 ± 0.7	Filtered		BC
RD-28	Primary	10/19/89	10.4 ± 3.4	8.5 ± 0.8	Filtered		BC
RD-28	Primary	03/27/90	9.60 ± 5.36	6.09 ± 2.73	Filtered		UST
RD-28	Primary	07/01/90	3.34 ± 3.90	8.19 ± 3.12	Filtered		UST
RD-28	Primary	09/16/90	4.94 ± 3.51	4.66 ± 2.52	Filtered		UST
RD-28	Primary	12/05/90	1.47 ± 6.11	5.38 ± 2.72	Filtered		IT
RD-28	Primary	03/06/91	9.62 ± 4.86	2.91 ± 1.14	Filtered		IT
RD-28	Primary	12/10/91	10.5 ± 5.73	10.1 ± 2.87	Filtered		IT
RD-28	Split	12/10/91	<2	<3	Filtered		CEP
RD-28	Primary	03/06/92	<2	<3	Filtered		CEP
RD-28	Split	03/06/92	17 ± 8	16 ± 4	Filtered		TEL
RD-28	Primary	03/17/93	9 ± 4	6 ± 4	Filtered		CEP
RD-28	Primary	08/05/93	6 ± 3	5 ± 3	Filtered		CEP
RD-28	Primary	02/24/94	24.7 ± 9.7	12.3 ± 7.2	Filtered		LAS
RD-28	Reanalysis of Primary	02/24/94	15.4 ± 7.3	16.7 ± 4.9	Filtered		LAS
RD-28	Primary	08/17/94	7.3 ± 4.6	6.8 ± 4.3	Filtered		LAS
RD-28	Primary	02/09/95	19.2 ± 7.1	10.2 ± 4.3	Filtered		LAS
RD-28	Reanalysis of Primary	02/09/95	15.2 ± 6.2	8.8 ± 4.4	Filtered		LAS
RD-28	Primary	08/18/95	17.1 ± 7.0	7.1 ± 4.1	Filtered		LAS
RD-28	Primary	02/06/96	17.2 ± 7.8	15.3 ± 4.6	Filtered		LAS
RD-28	Primary	08/20/96	23.9 ± 9.6	13.2 ± 5.3	Filtered		LAS
RD-28	Primary	02/06/97	12.2 ± 6.9	8.6 ± 4.4	Filtered		LAS
RD-28	Primary	08/28/97	28 ± 10	13.0 ± 6.6	Filtered		LAS
RD-28	Primary	02/05/98	24.7 ± 5.7	11.2 ± 2.0	Filtered		TN
RD-28	Primary	08/18/98	1.73 ± 0.98	8.56 ± 1.8	Filtered		TN
RD-28	Primary	02/16/99	14.0 ± 4.3	12.2 ± 1.9	Filtered		TN
RD-28	Primary	08/19/99	21.4 ± 5.5	14.4 ± 3.2	Filtered		TN
RD-28	Primary	02/16/00	15.0 ± 5.0	13.4 ± 4.3	Filtered		TR
RD-28	Primary	08/09/00	3.54 ± 4.1	28.7 ± 3.8	Filtered		TR
RD-28	Primary	02/07/01	5.82 ± 2.9	15.9 ± 2.0	Filtered		ES
RD-28	Primary	10/25/01	24.51 ± 7.0	8.26 ± 1.49	Filtered		DL

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-28	Primary	02/25/02	29.36 ± 5.90	1.74 ± 0.42	Filtered		DL
RD-28	Primary	11/06/02	18.7 ± 5.7	10.3 ± 3.1	Filtered		ES
RD-28	Primary	02/24/03	11.9 ± 4.7	12.0 ± 3.9	Filtered		ES
RD-28	Primary	11/14/03	11.1 ± 6.5	15.4 ± 6.7	Filtered		ES
RD-28	Primary	02/23/04	14.4 ± 7	11.3 ± 5.7	Filtered		ES
RD-28	Split	02/23/04	21.3 ± 7.8	16.6 ± 4.57	Filtered		STL
RD-29	Primary	09/20/89	29.9 ± 3.0	37.3 ± 1.5	Filtered		BC
RD-29	Duplicate	09/20/89	30.0 ± 3.0	35.0 ± 1.5	Filtered		BC
RD-29	Primary	09/20/89	-1.0 ± 0.9	22.3 ± 0.4	Unfiltered		BC
RD-29	Duplicate	09/20/89	36.5 ± 3.0	35.2 ± 1.6	Unfiltered		BC
RD-29	Primary	10/18/89	20.9 ± 3.3	8.7 ± 1.1	Filtered		BC
RD-29	Primary	12/08/89	22.6 ± 6.21	6.55 ± 2.80	Unfiltered		UST
RD-29	Primary	12/08/89	18.6 ± 5.36	7.12 ± 2.86	Filtered		UST
RD-29	Primary	03/27/90	20.1 ± 7.35	9.85 ± 3.17	Filtered		UST
RD-29	Primary	06/30/90	15.3 ± 6.63	11.7 ± 3.28	Filtered		UST
RD-29	Primary	09/15/90	28.7 ± 8.06	5.10 ± 2.59	Filtered		UST
RD-29	Primary	12/06/90	11.9 ± 4.93	5.61 ± 2.69	Filtered		IT
RD-29	Duplicate	12/06/90	13.3 ± 4.83	7.19 ± 2.84	Filtered		IT
RD-29	Primary	03/05/91	29.1 ± 8.42	3.98 ± 1.24	Filtered		IT
RD-29	Duplicate	06/05/91	7.00 ± 4.46	12.9 ± 3.47	Filtered		IT
RD-29	Primary	06/05/91	7.06 ± 2.99	4.51 ± 2.55	Filtered		IT
RD-29	Primary	12/10/91	17.9 ± 6.42	12.5 ± 2.82	Filtered		IT
RD-29	Split	12/10/91	<2	<3	Filtered		CEP
RD-29	Primary	03/03/92	3 ± 2	5 ± 3	Filtered		CEP
RD-29	Primary	06/03/92	4 ± 2	1 ± 3	Filtered		CEP
RD-29	Primary	09/10/92	10 ± 3	21 ± 5	Filtered		CEP
RD-29	Primary	12/05/92	9 ± 3	12 ± 3	Filtered		CEP
RD-29	Primary	03/05/93	4 ± 3	7 ± 4	Filtered	Gross alpha: high statistics to large amount of solids.	CEP
RD-29	Primary	08/08/93	3 ± 2	4 ± 3	Filtered	Gross alpha: high statistics to large amount of solids.	CEP
RD-29	Primary	02/26/94	7.8 ± 4.8	8.1 ± 3.6	Filtered		LAS
RD-29	Primary	08/17/94	17.1 ± 6.5	8.3 ± 4.5	Filtered		LAS
RD-29	Primary	05/09/01	2.15 ± 2.8	3.99 ± 3.2	Filtered		ES
RD-29	Primary	05/03/02	22.79 ± 6.44	5.31 ± 1.15	Filtered		DL
RD-29	Primary	05/13/03	16.1 ± 5.5	9.76 ± 4.1	Filtered		ES
RD-29	Primary	02/24/04	12.1 ± 5.3	9.97 ± 4.6	Filtered		ES
RD-29	Primary	08/09/04	10.9 ± 4.8	9.62 ± 4.4	Filtered		ES
RD-29	Primary	02/24/05	3.10 ± 1.7	11.0 ± 3.0	Filtered		ES
RD-29	Primary	08/25/05	4.13 ± 1.6	6.06 ± 1.8	Filtered		ES

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-29	Primary	02/16/06	9.83 ± 3.9	9.28 ± 2.5	Filtered		ES
RD-29	Primary	08/11/06	7.12 ± 2.5	6.24 ± 3.3	Filtered		ES
RD-30	Primary	09/22/89	22.8 ± 2.7	38.4 ± 1.3	Unfiltered		BC
RD-30	Primary	09/22/89	17.4 ± 2.4	33.2 ± 1.2	Filtered		BC
RD-30	Primary	10/19/89	8.5 ± 2.8	8.1 ± 0.8	Filtered		BC
RD-30	Primary	03/27/90	3.19 ± 2.74	5.19 ± 2.66	Filtered		UST
RD-30	Primary	06/29/90	5.24 ± 4.33	3.18 ± 2.42	Filtered		UST
RD-30	Primary	09/15/90	2.63 ± 2.15	4.88 ± 2.61	Filtered		UST
RD-30	Primary	12/06/90	4.71 ± 2.42	3.18 ± 2.46	Filtered		IT
RD-30	Primary	03/09/91	8.58 ± 4.74	6.12 ± 2.68	Filtered		IT
RD-30	Primary	12/06/91	11.9 ± 4.99	7.03 ± 2.24	Filtered		IT
RD-30	Primary	06/03/92	4 ± 2	1 ± 3	Filtered		CEP
RD-30	Split	06/03/92	10 ± 5	9.9 ± 2.7	Filtered		TEL
RD-30	Primary	03/21/93	<2	14 ± 3	Filtered		CEP
RD-30	Primary	02/26/94	4.8 ± 4.7	7.9 ± 3.9	Filtered		LAS
RD-30	Primary	08/09/94	4.6 ± 4.0	7.5 ± 3.5	Filtered		LAS
RD-30	Primary	02/08/95	10.2 ± 6.2	7.6 ± 4.5	Filtered		LAS
RD-30	Primary	08/19/95	5.5 ± 4.1	4.7 ± 3.2	Filtered		LAS
RD-30	Primary	02/28/96	5.6 ± 4.5	3.1 ± 3.3	Filtered		LAS
RD-30	Primary	08/20/96	7.0 ± 5.7	5.6 ± 3.8	Filtered		LAS
RD-30	Primary	02/25/97	12.1 ± 5.2	7.5 ± 3.1	Filtered		LAS
RD-30	Primary	08/27/97	13.6 ± 7.0	9.0 ± 5.2	Filtered		LAS
RD-30	Primary	05/28/98	10.7 ± 3.6	8.29 ± 1.7	Filtered		TN
RD-30	Primary	08/05/98	9.20 ± 9.0	-2.84 ± 20	Filtered		TN
RD-30	Primary	02/05/99	6.46 ± 2.9	8.21 ± 2.7	Filtered		TN
RD-30	Primary	05/05/00	10.5 ± 3.6	7.54 ± 3.1	Filtered		TR
RD-30	Primary	08/08/00	7.63 ± 3.0	10.4 ± 2.8	Filtered		TR
RD-30	Primary	05/09/01	6.43 ± 3.0	9.48 ± 1.8	Filtered		ES
RD-30	Primary	11/09/01	14.72 ± 6.4	8.30 ± 1.97	Filtered		DL
RD-30	Primary	03/11/02	14.94 ± 4.10	5.03 ± 1.16	Filtered		DL
RD-30	Primary	08/30/02	10.8 ± 3.3	10.1 ± 2.2	Filtered		ES
RD-30	Primary	02/07/03	3.27 ± 1.6	7.0 ± 1.9	Filtered		ES
RD-30	Primary	11/14/03	8.30 ± 4.4	13.9 ± 4.2	Filtered		ES
RD-30	Primary	02/24/04	10.6 ± 5.2	-9.66 U ± 7.3	Filtered		ES
RD-30	Primary	08/10/04	2.25 U ± 3.1	10.7 ± 4	Filtered		ES
RD-30	Primary	08/29/05	8.72 ± 2.7	7.88 ± 2.3	Filtered		ES
RD-30	Split	08/29/05	13.0 ± 3.69	7.90 ± 2.65	Filtered		STL
RD-30	Primary	02/17/06	5.51 ± 3.6	9.28 ± 2.9	Filtered		ES

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-30	Primary	08/09/06	10.3 ± 3.6	8.45 ± 2.9	Filtered		ES
RD-30	Split	08/09/06	9.63 ± 3.9	11.4 ± 3.8	Filtered		STL
RD-31	Primary	09/26/89	3.7 ± 0.8	7.4 ± 0.3	Unfiltered		BC
RD-31	Primary	09/26/89	3.6 ± 1.0	4.8 ± 0.3	Filtered		BC
RD-31	Primary	10/24/89	4.2 ± 2.1	1.4 ± 0.6	Filtered		BC
RD-31	Primary	12/05/90	2.07 ± 1.80	4.18 ± 2.56	Filtered		IT
RD-31	Primary	03/10/91	2.26 ± 1.66	1.02 ± 2.10	Filtered	Gross beta: high statistics due to large amount of solids.	IT
RD-31	Primary	03/05/92	<2	<3	Filtered		CEP
RD-33A	Primary	12/05/91	7.99 ± 3.19	8.10 ± 1.90	Filtered		IT
RD-33A	Primary	12/12/91	12.9 ± 4.01	7.13 ± 1.72	Filtered		IT
RD-33A	Split	12/12/91	<2	<3	Filtered		CEP
RD-33A	Primary	06/08/92	3 ± 2	-21/2/ ± 3	Filtered	Gross beta: high statistics due to large amount of solids. Gross beta dissolved.	CEP
RD-33A	Primary	09/15/92	5 ± 2	7 ± 4	Filtered		CEP
RD-33A	Primary	12/05/92	<2	4 ± 3	Filtered		CEP
RD-33A	Primary	06/24/93	<2	<3	Filtered		CEP
RD-33A	Primary	08/24/93	<2	7 ± 3	Filtered		CEP
RD-33A	Primary	11/17/93	3.9 ± 2.8	7.2 ± 2.5	Filtered		LAS
RD-33A	Primary	02/27/94	4.9 ± 3.1	4.6 ± 2.1	Filtered		LAS
RD-33A	Primary	08/18/94	3.9 ± 2.8	5.7 ± 2.5	Filtered		LAS
RD-33A	Primary	02/07/95	1.8 ± 2.3	7.7 ± 2.4	Filtered		LAS
RD-33A	Primary	08/09/95	1.6 ± 1.9	5.8 ± 2.1	Filtered		LAS
RD-33A	Primary	02/19/96	6.7 ± 3.5	4.0 ± 2.2	Filtered		LAS
RD-33A	Primary	08/23/96	1.6 ± 2.4	4.2 ± 2.3	Filtered		LAS
RD-33A	Primary	02/25/97	7.6 ± 3.2	4.2 ± 1.8	Filtered		LAS
RD-33A	Primary	08/27/97	1.2 ± 2.2	8.6 ± 3.4	Filtered		LAS
RD-33A	Primary	05/27/98	7.38 ± 2.3	5.67 ± 1.8	Filtered		TN
RD-33A	Primary	08/17/98	1.50 ± 0.76	4.71 ± 1.4	Filtered		TN
RD-33A	Primary	02/03/99	3.16 ± 1.4	4.87 ± 1.7	Filtered		TN
RD-33A	Primary	02/09/00	5.26 ± 2.2	5.35 ± 2.2	Filtered		TR
RD-33A	Primary	05/14/01	1.70 ± 1.5	6.32 ± 1.5	Filtered		ES
RD-33A	Primary	02/15/02	3.13 ± 1.79	6.36 ± 1.55	Filtered		DL
RD-33A(Z4)	Primary	01/30/03	3.42 ± 2.1	5.38 ± 2.3	Filtered		ES
RD-33A(Z2)	Primary	11/15/04	1.75 J ± 1.2	5.52 ± 1.8	Filtered		ES
RD-33A(Z3)	Primary	02/17/05	4.16 ± 2.2	6.98 ± 2.3	Filtered		ES
RD-33A(Z3)	Primary	09/01/05	4.31 ± 1.9	4.76 ± 1.7	Filtered		ES
RD-33A(Z2)	Primary	02/17/06	2.53 J ± 1.3	2.7 J ± 1.3	Filtered		ES
RD-33A(Z2)	Primary	08/18/06	4.54 ± 1.7	5.58 ± 1.5	Filtered		ES

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-33B	Primary	12/12/91	2.87 ± 2.16	7.53 ± 1.92	Filtered		IT
RD-33B	Split	12/12/91	<2	<3	Filtered		CEP
RD-33B	Primary	06/24/92	1 ± 2	3 ± 3	Filtered		CEP
RD-33B	Primary	09/15/92	0.1 ± 1.3	0.3 ± 3.0	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-33B	Primary	12/05/92	<2	9 ± 3	Filtered		CEP
RD-33B	Primary	06/24/93	<2	<3	Filtered		CEP
RD-33B	Primary	08/24/93	2 ± 1	4 ± 3	Filtered		CEP
RD-33B	Primary	11/17/93	1.1 ± 1.3	5.3 ± 1.6	Filtered		LAS
RD-33B	Primary	02/27/94	0.8 ± 1.8	4.9 ± 2	Filtered		LAS
RD-33B	Primary	08/18/94	0.7 ± 2.0	5.4 ± 3.0	Filtered		LAS
RD-33B	Primary	02/07/95	0 ± 1.8	5.7 ± 2.4	Filtered		LAS
RD-33B	Primary	08/09/95	1.5 ± 1.8	4.9 ± 1.9	Filtered		LAS
RD-33B	Primary	02/19/96	2.6 ± 2.4	4.5 ± 2.3	Filtered		LAS
RD-33B	Primary	08/23/96	-0.5 ± 1.5	6.8 ± 2.5	Filtered		LAS
RD-33B	Primary	02/25/97	1.2 ± 2.0	4.4 ± 1.7	Filtered		LAS
RD-33B	Primary	08/22/97	2.5 ± 2.2	5.8 ± 2.4	Filtered		LAS
RD-33B	Primary	05/27/98	1.44 ± 1.5	6.50 ± 1.5	Filtered		TN
RD-33B	Primary	08/17/98	0.004 ± 0.34	4.31 ± 1.5	Filtered		TN
RD-33B	Primary	02/03/99	1.86 ± 1.4	3.80 ± 1.4	Filtered		TN
RD-33B	Primary	02/09/00	2.31 ± 1.8	5.24 ± 3.2	Filtered		TR
RD-33B	Primary	02/17/01	1.73 ± 1.6	4.68 ± 1.7	Filtered		ES
RD-33B	Primary	02/15/02	3.19 ± 2.09	2.78 ± 1.31	Filtered		DL
RD-33B	Primary	02/11/03	0.527 ± 0.75	4.94 ± 1.1	Filtered		ES
RD-33B	Primary	11/04/04	1.02 U ± 1.5	5.46 ± 2.4	Filtered		ES
RD-33B	Primary	02/17/05	1.99 U ± 1.6	5.98 ± 1.9	Filtered		ES
RD-33B	Split	02/17/05	1.21 U ± 1.47	4.92 ± 2.21	Filtered		STL
RD-33B	Primary	08/22/05	1.47 J ± 0.92	5.04 ± 1.5	Filtered		ES
RD-33B	Split	08/22/05	2.48 J ± 1.38	7.76 ± 2.30	Filtered		STL
RD-33B	Primary	02/16/06	1.22 U ± 2.6	5.82 ± 2.8	Filtered		ES
RD-33B	Primary	08/09/06	-0.647U ± 0.99	4.99 ± 1.8	Filtered		ES
RD-33B	Split	08/09/06	2.24 ± 2	9.68 ± 2.9	Filtered		STL
RD-33C	Primary	12/05/91	4.19 ± 2.34	7.42 ± 1.79	Filtered		IT
RD-33C	Primary	12/12/91	1.91 ± 1.82	6.15 ± 1.75	Filtered		IT
RD-33C	Split	12/12/91	-6	2 ± 4	Filtered		CEP
RD-33C	Primary	06/08/92	1 ± 1	-3 ± 3	Filtered		CEP
RD-33C	Primary	09/15/92	2 ± 2	2 ± 3	Filtered		CEP
RD-33C	Primary	12/05/92	<2	4 ± 3	Filtered		CEP
RD-33C	Primary	06/24/93	2 ± 1	7 ± 3	Filtered		CEP

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-33C	Primary	08/24/93	2 ± 1	8 ± 3	Filtered		CEP
RD-33C	Primary	11/17/93	2.3 ± 2.6	5.8 ± 2.5	Filtered		LAS
RD-33C	Primary	02/27/94	0.3 ± 2.2	6.4 ± 2.3	Filtered		LAS
RD-33C	Primary	08/17/94	2.1 ± 2.8	4.4 ± 3.4	Filtered		LAS
RD-33C	Primary	02/07/95	4.4 ± 3.2	4.2 ± 2.6	Filtered		LAS
RD-33C	Primary	08/09/95	2.6 ± 2.4	6.1 ± 2.3	Filtered		LAS
RD-33C	Primary	02/19/96	6.5 ± 3.4	4.0 ± 2.2	Filtered		LAS
RD-33C	Primary	08/22/96	-0.7 ± 1.8	4.9 ± 2.8	Filtered		LAS
RD-33C	Primary	02/25/97	3.1 ± 2.5	6.9 ± 2.1	Filtered		LAS
RD-33C	Primary	08/21/97	4.3 ± 2.9	5.0 ± 2.7	Filtered		LAS
RD-33C	Primary	05/27/98	5.82 ± 2.2	5.99 ± 1.6	Filtered		TN
RD-33C	Primary	08/17/98	1.57 ± 0.86	3.72 ± 1.6	Filtered		TN
RD-33C	Primary	02/03/99	3.40 ± 1.7	5.55 ± 1.6	Filtered		TN
RD-33C	Primary	02/09/00	3.50 ± 2.4	6.98 ± 2.6	Filtered		TR
RD-33C	Primary	02/17/01	4.71 ± 2.2	6.91 ± 1.6	Filtered		ES
RD-33C	Primary	02/15/02	4.29 ± 2.45	3.45 ± 1.34	Filtered		DL
RD-33C	Primary	02/10/03	0.201 ± 1.5	5.34 ± 2.0	Filtered		ES
RD-33C	Primary	11/04/04	3.61 ± 2.1	7.83 ± 2.8	Filtered		ES
RD-33C	Split	11/04/04	5.57 ± 2.01	6.85 ± 2.52	Filtered		STL
RD-33C	Primary	02/16/05	4.65 ± 2.3	1.05 U ± 2.3	Filtered		ES
RD-33C	Primary	08/22/05	2.82 J ± 1.4	4.43 ± 1.7	Filtered		ES
RD-33C	Primary	02/16/06	3.77 ± 2.6	6.68 ± 2.4	Filtered		ES
RD-33C	Primary	08/08/06	1.65U ± 1.3	4.75 ± 1.7	Filtered		ES
RD-34A	Primary	12/05/91	22.1 ± 7.98	15.9 ± 3.56	Filtered		IT
RD-34A	Split	12/05/91	<2	<3	Filtered		CEP
RD-34A	Primary	03/10/92	6 ± 3	5 ± 3	Filtered		CEP
RD-34A	Split	03/10/92	28 ± 11	22 ± 4	Filtered		TEL
RD-34A	Primary	06/08/92	6 ± 2	-2 ± 3	Filtered		CEP
RD-34A	Primary	09/13/92	6 ± 3	8 ± 4	Filtered		CEP
RD-34A	Reanalysis of Primary	09/13/92	6 ± 3	19 ± 3	Filtered		CEP
RD-34A	Split	09/13/92	33 ± 12	14 ± 8	Filtered		BL
RD-34A	Reanalysis of Split	09/13/92	21 ± 14	28 ± 8	Filtered		BL
RD-34A	Primary	12/05/92	7 ± 3	6 ± 3	Filtered		CEP
RD-34A	Split	12/05/92	31 ± 11	18 ± 6	Filtered		BL
RD-34A	Reanalysis of Split	12/05/92	16 ± 11	21 ± 7	Filtered		BL
RD-34A	Primary	03/09/93	11 ± 5	11 ± 4	Filtered		CEP
RD-34A	Primary	06/22/93	7 ± 4	20 ± 4	Filtered		CEP
RD-34A	Primary	08/24/93	7 ± 3	11 ± 3	Filtered		CEP

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-34A	Primary	11/18/93	12.5 ± 7.0	8.1 ± 5.5	Filtered		LAS
RD-34A	Primary	02/26/94	18.8 ± 8.2	8.7 ± 5.3	Filtered		LAS
RD-34A	Reanalysis of Primary	02/26/94	10.4 ± 6.3	21.5 ± 6.6	Filtered		LAS
RD-34A	Primary	08/09/94	14.6 ± 7.0	9.2 ± 4.3	Filtered		LAS
RD-34A	Primary	02/07/95	10.8 ± 7.3	13.5 ± 7.1	Filtered		LAS
RD-34A	Primary	08/09/95	15.5 ± 7.0	12.8 ± 5.1	Filtered		LAS
RD-34A	Primary	02/19/96	13.4 ± 6.2	9.9 ± 3.6	Filtered		LAS
RD-34A	Primary	08/18/96	4.5 ± 5.9	15.5 ± 5.7	Filtered		LAS
RD-34A	Primary	02/07/97	17.0 ± 7.9	9.7 ± 4.8	Filtered		LAS
RD-34A	Primary	05/27/98	21.5 ± 5.2	10.5 ± 2.0	Filtered		TN
RD-34A	Primary	08/18/98	5.97 ± 1.5	10.3 ± 1.7	Filtered		TN
RD-34A	Primary	05/09/01	7.97 ± 3.2	14.8 ± 2.0	Filtered		ES
RD-34A	Primary	05/16/03	18.5 ± 7.0	12.1 ± 5.1	Filtered		ES
RD-34A	Primary	05/17/04	11 ± 7.1	12.2 ± 7.2	Filtered		ES
RD-34A	Primary	08/09/04	0.831 U ± 3.2	7.6 ± 4.7	Filtered		ES
RD-34A	Primary	02/17/05	9.61 ± 4.9	11.6 ± 4.6	Filtered		ES
RD-34A	Primary	08/25/05	7.81 ± 2.7	11.3 ± 3	Filtered		ES
RD-34A	Primary	02/21/06	8.73 ± 4.7	5.94 ± 2.8	Filtered		ES
RD-34A	Primary	11/16/06	13.1 ± 4	11 ± 4.3	Filtered		ES
RD-34B	Primary	12/05/91	3.76 ± 2.43	5.52 ± 1.86	Filtered		IT
RD-34B	Primary	03/10/92	<2	4 ± 3	Filtered		CEP
RD-34B	Split	03/10/92	<6	9.5 ± 3.1	Filtered		TEL
RD-34B	Primary	06/08/92	1 ± 2	-2 ± 3	Filtered		CEP
RD-34B	Primary	09/13/92	3 ± 2	8 ± 4	Filtered		CEP
RD-34B	Split	09/13/92	9.7 ± 6.8	17 ± 7	Filtered		BL
RD-34B	Primary	12/05/92	<2	4 ± 3	Filtered		CEP
RD-34B	Primary	03/09/93	9 ± 4	13 ± 4	Filtered		CEP
RD-34B	Primary	06/23/93	3 ± 2	13 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
RD-34B	Primary	08/24/93	<2	6 ± 3	Filtered		CEP
RD-34B	Primary	11/18/93	0.2 ± 2.3	8.5 ± 3.8	Filtered		LAS
RD-34B	Primary	02/26/94	1 ± 2.5	5.8 ± 2.6	Filtered		LAS
RD-34B	Primary	08/09/94	4.9 ± 3.7	7.0 ± 3.4	Filtered		LAS
RD-34B	Primary	02/07/95	0.5 ± 2.3	5.4 ± 2.8	Filtered		LAS
RD-34B	Primary	08/09/95	2.7 ± 3.1	11.2 ± 3.7	Filtered		LAS
RD-34B	Primary	02/19/96	5.2 ± 3.5	6.6 ± 2.4	Filtered		LAS
RD-34B	Primary	08/18/96	2.3 ± 3.3	6.0 ± 3.3	Filtered		LAS
RD-34B	Primary	02/07/97	5.4 ± 3.5	6.3 ± 2.7	Filtered		LAS
RD-34B	Primary	08/21/97	9.3 ± 4.6	6.4 ± 3.3	Filtered		LAS

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-34B	Primary	05/27/98	12.8 ± 4.1	13.2 ± 2.0	Filtered		TN
RD-34B	Primary	08/18/98	1.26 ± 0.76	5.29 ± 1.7	Filtered		TN
RD-34B	Primary	02/04/99	7.65 ± 3.2	8.57 ± 2.3	Filtered		TN
RD-34B	Primary	02/05/00	5.25 ± 1.6	7.99 ± 2.0	Filtered		TR
RD-34B	Primary	02/16/01	3.85 ± 2.3	5.59 ± 1.9	Filtered		ES
RD-34B	Primary	02/15/02	3.80 ± 2.64	7.89 ± 1.79	Filtered		DL
RD-34B	Primary	02/06/03	2.37 ± 2.0	6.78 ± 2.3	Filtered		ES
RD-34B	Primary	02/24/04	2.31 U ± 2.2	3.65 U ± 3.8	Filtered		ES
RD-34B	Primary	08/09/04	-0.066 U ± 1.5	5.23 ± 2.8	Filtered		ES
RD-34B	Primary	02/15/05	5.47 ± 2.9	8.57 ± 2.7	Filtered		ES
RD-34B	Primary	08/23/05	2.98 J ± 1.2	6.84 ± 1.8	Filtered		ES
RD-34B	Primary	02/17/06	3.86 ± 2.6	8.57 ± 2.5	Filtered		ES
RD-34B	Primary	08/09/06	-0.562U ± 2.4	7.86 ± 2.5	Filtered		ES
RD-34C	Primary	12/06/91	1.01 ± 1.18	3.76 ± 1.34	Filtered		IT
RD-34C	Primary	03/10/92	<2	6 ± 3	Filtered		CEP
RD-34C	Split	03/10/92	<4	6.7 ± 2.6	Filtered		TEL
RD-34C	Primary	06/08/92	1 ± 1	-4 ± 3	Filtered		CEP
RD-34C	Primary	09/13/92	0.9 ± 1.9	6 ± 4	Filtered		CEP
RD-34C	Split	09/13/92	2.9 ± 5.2	15 ± 5	Filtered		BL
RD-34C	Primary	12/05/92	<2	<3	Filtered		CEP
RD-34C	Primary	03/09/93	5 ± 3	7 ± 4	Filtered		CEP
RD-34C	Primary	06/24/93	<2	<3	Filtered		CEP
RD-34C	Primary	08/24/93	<2	<3	Filtered		CEP
RD-34C	Primary	11/06/93	1.6 ± 1.9	3.7 ± 2.1	Filtered		LAS
RD-34C	Primary	02/26/94	1.6 ± 2.1	5.2 ± 2.2	Filtered		LAS
RD-34C	Primary	08/09/94	2.8 ± 2.3	5.3 ± 2.0	Filtered		LAS
RD-34C	Primary	02/07/95	2.7 ± 2.4	4.2 ± 2.4	Filtered		LAS
RD-34C	Primary	08/10/95	2.3 ± 2.1	3.7 ± 2.0	Filtered		LAS
RD-34C	Primary	02/19/96	2.3 ± 2.2	4.0 ± 1.5	Filtered		LAS
RD-34C	Primary	08/19/96	0.5 ± 1.9	4.9 ± 2.2	Filtered		LAS
RD-34C	Primary	02/07/97	3.4 ± 2.2	5.0 ± 1.7	Filtered		LAS
RD-34C	Primary	08/21/97	4.2 ± 2.7	7.3 ± 2.6	Filtered		LAS
RD-34C	Primary	05/27/98	2.40 ± 1.6	4.67 ± 1.4	Filtered		TN
RD-34C	Primary	08/17/98	1.08 ± 0.68	3.73 ± 1.4	Filtered		TN
RD-34C	Primary	02/04/99	1.59 ± 1.6	2.72 ± 2.5	Filtered		TN
RD-34C	Primary	02/05/00	0.866 ± 1.5	4.64 ± 2.8	Filtered		TR
RD-34C	Primary	02/16/01	2.21 ± 1.6	9.80 ± 1.9	Filtered		ES
RD-34C	Primary	02/14/02	2.17 ± 1.86	4.40 ± 1.53	Filtered		DL

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-34C	Primary	02/06/03	1.84 ± 1.2	3.28 ± 1.7	Filtered		ES
RD-34C	Primary	02/24/04	0.582 U ± 1.7	5.18 ± 3	Filtered		ES
RD-34C	Primary	08/09/04	2.02 U ± 1.9	4.66 ± 2.7	Filtered		ES
RD-34C	Split	08/09/04	0.257 U ± 1.15	6.19 ± 2.11	Filtered		STL
RD-34C	Primary	02/15/05	2.07 J ± 1.4	4.42 ± 1.7	Filtered		ES
RD-34C	Primary	08/23/05	0.573 U ± 1.4	3.79 J ± 1.8	Filtered		ES
RD-34C	Primary	02/21/06	0.228 U ± 1.9	5.86 ± 2.5	Filtered		ES
RD-34C	Split	02/21/06	0.605 U ± 0.667	5.30 ± 1.44	Filtered		STL
RD-34C	Primary	08/09/06	0.38U ± 0.77	3.35J ± 1.6	Filtered		ES
RD-35B	Primary	05/07/99	22.8 ± 4.4	12.6 ± 2.0	Filtered		TN
RD-35B	Primary	08/18/99	1.56 ± 1.2	4.05 ± 1.6	Filtered		TN
RD-38B	Primary	02/17/99	1.52 ± 2.0	4.98 ± 1.6	Filtered		TN
RD-45C	Primary	10/06/94	2.6 ± 1.9	4.4 ± 2.0	Filtered		LAS
RD-46B	Primary	02/15/99	3.26 ± 2.0	3.74 ± 1.6	Filtered		TN
RD-50	Primary	05/05/94	24.9 ± 6.9	10.2 ± 3.9	Filtered		LAS
RD-50	Reanalysis of Primary	05/05/94	9.6 ± 4.7	6 ± 3.6	Filtered		LAS
RD-50	Primary	05/19/95	11.8 ± 5.5	5.4 ± 3.9	Filtered		LAS
RD-50	Primary	05/14/96	31.9 ± 6.6	10.7 ± 2.6	Filtered		LAS
RD-50	Primary	05/05/97	7.0 ± 3.6	7.5 ± 2.7	Filtered		LAS
RD-50	Primary	05/28/98	8.45 ± 4.1	5.92 ± 1.7	Filtered		TN
RD-51C	Primary	12/14/91	1.18 ± 2.30	2.93 ± 1.91	Filtered		IT
RD-51C	Primary	03/06/92	<2	<3	Filtered		CEP
RD-54A	Primary	09/12/93	<2	<3	Filtered		CEP
RD-54A	Primary	09/29/93	<2	<3	Filtered		CEP
RD-54A	Primary	05/08/94	5 ± 3.6	7.1 ± 3.9	Filtered		LAS
RD-54A	Primary	08/09/94	1.4 ± 2.6	6.2 ± 2.8	Filtered		LAS
RD-54A	Primary	08/03/95	4.9 ± 2.5	6.6 ± 2.0	Filtered		LAS
RD-54A	Primary	05/16/96	11.0 ± 5.3	7.4 ± 3.8	Filtered		LAS
RD-54A	Primary	08/23/96	2.5 ± 3.7	1.5 ± 3.3	Filtered		LAS
RD-54A	Primary	05/05/97	0.5 ± 1.9	1.4 ± 2.0	Filtered		LAS
RD-54A	Primary	08/22/97	16.9 ± 5.3	4.7 ± 2.7	Filtered		LAS
RD-54A	Primary	02/08/98	1.56 ± 1.3	4.49 ± 1.5	Filtered		TN
RD-54A	Primary	08/07/98	0.051 ± 7.9	4.83 ± 17	Filtered		TN
RD-54A	Primary	02/08/99	22.2 ± 12	58.0 ± 7.4	Filtered		TN
RD-54A	Primary	03/15/00	7.08 ± 2.9	6.84 ± 2.3	Filtered		TR
RD-54A	Primary	10/26/01	20.14 ± 4.71	6.03 ± 1.17	Filtered		DL
RD-54A	Primary	02/27/02	7.80 ± 2.71	1.82 ± 0.70	Filtered		DL
RD-54A(Z2)	Primary	02/18/03	5.39 ± 1.8	9.08 ± 2.6	Filtered		ES

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-54A(Z2)	Primary	11/03/04	2.34 U ± 2.1	9.87 ± 3.0	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	9.98 ± 3.6	6.14 ± 2.5	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	16.3 ± 4.9	8.33 ± 2.8	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	7.44 ± 3.4	3.75 U ± 2.8	Filtered		ES
RD-54A(Z2)	Primary	08/17/06	12.1 ± 4.2	10.8 ± 3.1	Filtered		ES
RD-54B	Primary	09/12/93	5 ± 2	13 ± 4	Filtered		CEP
RD-54B	Primary	09/29/93	<2	4 ± 3	Filtered		CEP
RD-54B	Primary	05/08/94	4.7 ± 5.2	9.5 ± 5.1	Filtered		LAS
RD-54B	Primary	08/08/94	2.5 ± 4.2	5.9 ± 4.1	Filtered		LAS
RD-54B	Primary	08/30/95	4.6 ± 5.0	4.6 ± 4.3	Filtered		LAS
RD-54B	Primary	05/16/96	5.8 ± 5.6	10.9 ± 5.6	Filtered		LAS
RD-54B	Primary	08/23/96	0.8 ± 3.4	7.5 ± 3.7	Filtered		LAS
RD-54B	Primary	08/22/97	5.9 ± 4.0	5.7 ± 3.0	Filtered		LAS
RD-54B	Primary	02/08/98	1.42 ± 1.2	7.00 ± 1.7	Filtered		TN
RD-54B	Primary	08/07/98	-1.66 ± 4.2	-14.0 ± 22	Filtered		TN
RD-54B	Primary	02/08/99	1.44 ± 3.7	17.2 ± 4.4	Filtered		TN
RD-54B	Primary	03/15/00	1.05 ± 1.2	0.622 ± 2.2	Filtered		TR
RD-54B	Primary	10/25/01	7.40 ± 3.30	2.88 ± 1.14	Filtered		DL
RD-54B	Primary	02/27/02	2.59 ± 1.9	4.4 ± 1.5	Filtered		DL
RD-54B	Primary	02/26/03	5.38 ± 1.8	7.36 ± 2.2	Filtered		ES
RD-54B	Primary	02/16/05	6.58 ± 4.1	9.24 ± 4.1	Filtered		ES
RD-54B	Primary	08/22/05	0.719 U ± 2.2	4.86 ± 2.2	Filtered		ES
RD-54B	Primary	02/20/06	3.94 U ± 3.5	8.64 ± 3.2	Filtered		ES
RD-54B	Primary	08/23/06	0.082U ± 1.9	5.48U ± 3.5	Filtered		ES
RD-54C	Primary	09/11/93	6 ± 3	10 ± 3	Filtered		CEP
RD-54C	Primary	09/29/93	<2	<3	Filtered		CEP
RD-54C	Primary	05/08/94	1.9 ± 1.8	2.9 ± 1.7	Filtered		LAS
RD-54C	Primary	08/08/94	0.8 ± 1.5	2.7 ± 1.4	Filtered		LAS
RD-54C	Primary	08/30/95	1.3 ± 1.7	4.3 ± 1.6	Filtered		LAS
RD-54C	Primary	05/16/96	3.4 ± 1.4	4.0 ± 1.5	Filtered		LAS
RD-54C	Primary	08/23/96	0.7 ± 1.4	3.2 ± 1.5	Filtered		LAS
RD-54C	Primary	05/05/97	1.4 ± 1.4	2.0 ± 1.4	Filtered		LAS
RD-54C	Primary	08/24/97	-0.18 ± 0.74	1.4 ± 1.3	Filtered		LAS
RD-54C	Primary	02/08/98	0.349 ± 0.63	2.36 ± 1.3	Filtered		TN
RD-54C	Primary	08/07/98	-1.41 ± 6.2	-6.31 ± 16	Filtered		TN
RD-54C	Primary	02/09/99	-0.998 ± 1.4	7.69 ± 3.3	Filtered		TN
RD-54C	Primary	03/15/00	0.652 ± 1.3	4.04 ± 2.5	Filtered		TR
RD-54C	Primary	11/02/01	2.23 ± 1.54	2.07 ± 1.10	Filtered		DL

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-54C	Primary	02/27/02	1.77 ± 1.38	1.27 ± 1.01	Filtered		DL
RD-54C	Primary	02/26/03	1.90 ± 1.1	5.32 ± 1.8	Filtered		ES
RD-54C	Primary	11/05/04	0.771 U ± 2.5	9.57 ± 3.6	Filtered		ES
RD-54C	Primary	02/17/05	1.18 U ± 1.2	-0.849 U ± 1.7	Filtered		ES
RD-54C	Split	02/17/05	0.516 U ± 1.31	6.72 ± 2.48	Filtered		STL
RD-54C	Primary	08/22/05	0.733 U ± 1.2	4.69 ± 1.7	Filtered		ES
RD-54C	Primary	02/23/06	-2.58 U ± 3.6	4.22 U ± 2.9	Filtered		ES
RD-54C	Primary	08/10/06	0.419U ± 1.6	8.17 ± 2.5	Filtered		ES
RD-56A	Primary	05/10/94	3.9 ± 4.5	9.3 ± 5.2	Filtered		LAS
RD-56A	Primary	02/20/96	4.1 ± 3.4	3.7 ± 2.2	Filtered		LAS
RD-56A	Primary	02/06/97	5.5 ± 4.4	6.2 ± 3.6	Filtered		LAS
RD-56A	Primary	05/28/98	3.82 ± 2.3	5.45 ± 1.5	Filtered		TN
RD-56B	Primary	05/28/98	3.53 ± 2.0	6.17 ± 1.5	Filtered		TN
RD-57	Primary	03/16/94	5.2 ± 3.1	4.1 ± 2.3	Filtered		LAS
RD-57	Primary	05/10/94	2.3 ± 2.2	5.4 ± 2.5	Filtered		LAS
RD-57	Primary	08/18/94	2.8 ± 2.7	8.6 ± 3.2	Filtered		LAS
RD-57	Primary	02/07/95	1.3 ± 2.1	4.8 ± 2.4	Filtered		LAS
RD-57	Primary	08/09/95	4.2 ± 2.7	6.1 ± 2.5	Filtered		LAS
RD-57	Primary	02/19/96	3.8 ± 3.0	5.4 ± 1.7	Filtered		LAS
RD-57	Primary	08/22/96	2.4 ± 4.5	5.3 ± 4.1	Filtered		LAS
RD-57	Primary	02/25/97	6.5 ± 3.1	6.2 ± 2.1	Filtered		LAS
RD-57	Primary	08/27/97	6.2 ± 3.5	5.6 ± 2.9	Filtered		LAS
RD-57	Primary	05/26/98	4.96 ± 2.0	5.43 ± 1.7	Filtered		TN
RD-57	Primary	08/17/98	0.975 ± 0.64	4.40 ± 1.5	Filtered		TN
RD-57	Primary	05/13/99	2.84 ± 1.6	3.90 ± 1.8	Filtered		TN
RD-57	Primary	02/09/00	1.92 ± 1.1	5.16 ± 2.0	Filtered		TR
RD-57	Primary	05/11/01	1.46 ± 1.5	4.40 ± 1.4	Filtered		ES
RD-57	Primary	02/14/02	2.54 ± 1.46	3.15 ± 1.23	Filtered		DL
RD-57(Z8)	Primary	01/29/03	2.68 ± 1.7	4.31 ± 2.6	Filtered		ES
RD-57(Z8)	Primary	04/30/03	3.06 ± 1.9	6.07 ± 2.2	Filtered		ES
RD-57(Z7)	Primary	03/08/05	2.66 J ± 1.6	4.01 ± 1.8	Filtered		ES
RD-57(Z7)	Primary	09/01/05	6.54 ± 2.0	6.00 ± 1.9	Filtered		ES
RD-57(Z7)	Primary	02/20/06	3.21 ± 2.0	3.17 J ± 1.5	Filtered		ES
RD-57(Z7)	Primary	08/18/06	3.57 ± 2.3	8.34 ± 2.3	Filtered		ES
RD-59A	Primary	08/16/94	3.6 ± 3.7	6.2 ± 4.1	Filtered		LAS
RD-59A	Primary	02/06/95	0.8 ± 2.9	2.9 ± 3.3	Filtered		LAS
RD-59A	Duplicate	02/06/95	-5.5 ± 7.3	2 ± 20	Filtered		LAS
RD-59A	Primary	02/06/95	0.8 ± 2.9	2.9 ± 3.3	Filtered		LAS

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-59A	Primary	08/08/95	4.8 ± 4.3	7.4 ± 3.6	Filtered		LAS
RD-59A	Primary	03/12/96	3.3 ± 4.1	4.7 ± 3.3	Filtered		LAS
RD-59A	Primary	08/21/96	0.3 ± 3.3	5.5 ± 3.8	Filtered		LAS
RD-59A	Primary	02/16/97	2.0 ± 3.4	7.4 ± 3.6	Filtered		LAS
RD-59A	Primary	08/22/97	0.9 ± 3.8	3.2 ± 4.0	Filtered		LAS
RD-59A	Primary	08/19/98	1.02 ± 0.73	4.35 ± 1.7	Filtered		TN
RD-59A	Primary	02/16/99	3.17 ± 2.4	4.96 ± 1.9	Filtered		TN
RD-59A	Primary	03/14/00	2.84 ± 2.1	3.83 ± 2.5	Filtered		TR
RD-59A	Primary	05/16/01	0.724 ± 2.2	6.00 ± 1.6	Filtered		ES
RD-59A	Primary	02/28/02	2.03 ± 1.75	3.06 ± 1.36	Filtered		DL
RD-59A	Primary	01/31/03	1.81 ± 1.8	4.95 ± 2.4	Filtered		ES
RD-59A	Primary	05/15/03	3.55 ± 2.0	7.58 ± 2.8	Filtered		ES
RD-59A	Split	05/15/03	3.53 ± 1.9	14 ± 3.9	Filtered		STL
RD-59A	Primary	11/16/04	2.54 U ± 2.4	5.45 ± 2.9	Filtered		STL
RD-59A	Primary	09/07/05	3.39 ± 2.0	5.35 ± 2.1	Filtered		ES
RD-59A	Primary	08/23/06	2.13U ± 1.9	6.86 ± 2.3	Filtered		ES
RD-59B	Primary	08/16/94	0.5 ± 2.2	4.8 ± 3.4	Filtered		LAS
RD-59B	Primary	02/06/95	1.1 ± 2.7	6.0 ± 2.8	Filtered		LAS
RD-59B	Primary	08/08/95	3.3 ± 2.9	4.9 ± 2.5	Filtered		LAS
RD-59B	Primary	03/12/96	0.6 ± 2.5	4.7 ± 2.4	Filtered		LAS
RD-59B	Primary	08/21/96	-0.2 ± 2.7	4.7 ± 2.8	Filtered		LAS
RD-59B	Primary	02/16/97	4.5 ± 3.5	6.7 ± 2.9	Filtered		LAS
RD-59B	Primary	08/22/97	3.5 ± 3.2	5.3 ± 3.0	Filtered		LAS
RD-59B	Primary	08/19/98	0.127 ± 0.44	3.41 ± 1.4	Filtered		TN
RD-59B	Primary	02/16/99	4.38 ± 2.3	5.32 ± 1.6	Filtered		TN
RD-59B	Primary	03/14/00	3.27 ± 2.2	3.46 ± 2.0	Filtered		TR
RD-59B	Primary	02/17/01	2.27 ± 2.2	4.17 ± 1.5	Filtered		ES
RD-59B	Primary	02/28/02	1.58 ± 1.38	1.58 ± 1.28	Filtered		DL
RD-59B	Primary	01/31/03	1.52 ± 1.8	3.58 ± 2.2	Filtered		ES
RD-59B	Primary	11/05/04	0.518 U ± 1.8	6.22 ± 2.7	Filtered		ES
RD-59B	Primary	09/07/05	2.08 J ± 1.4	3.72 J ± 1.9	Filtered		ES
RD-59B	Primary	02/22/06	0.042 U ± 2.6	4.45 ± 1.7	Filtered		ES
RD-59B	Primary	08/23/06	-0.607U ± 1.4	4.44 ± 1.4	Filtered		ES
RD-59C	Primary	08/16/94	1.9 ± 2.4	4.1 ± 2.9	Filtered		LAS
RD-59C	Primary	02/06/95	2.2 ± 2.9	3.7 ± 2.8	Filtered		LAS
RD-59C	Primary	08/08/95	0.9 ± 2.2	3.2 ± 2.5	Filtered		LAS
RD-59C	Primary	03/12/96	0.2 ± 3.5	4.6 ± 2.5	Filtered		LAS
RD-59C	Primary	08/21/96	1.3 ± 2.7	3.1 ± 2.7	Filtered		LAS

See last page of Table E-I for notes and abbreviations.

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 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-59C	Primary	02/16/97	4.0 ± 3.6	3.1 ± 2.6	Filtered		LAS
RD-59C	Primary	08/22/97	1.6 ± 2.6	2.8 ± 3.2	Filtered		LAS
RD-59C	Primary	08/19/98	0.193 ± 0.43	2.20 ± 1.4	Filtered		TN
RD-59C	Primary	02/16/99	0.660 ± 1.5	5.17 ± 1.8	Filtered		TN
RD-59C	Primary	03/14/00	0.518 ± 1.5	4.63 ± 2.2	Filtered		TR
RD-59C	Primary	02/17/01	1.11 ± 1.7	4.17 ± 1.5	Filtered		ES
RD-59C	Primary	02/28/02	0.23 ± 1.68	1.84 ± 1.92	Filtered		DL
RD-59C	Primary	01/31/03	2.04 ± 1.8	3.54 ± 1.9	Filtered		ES
RD-59C	Primary	11/05/04	0.419 U ± 1.8	3.82 U ± 2.6	Filtered		ES
RD-59C	Primary	09/07/05	2.20 J ± 1.3	3.92 J ± 1.7	Filtered		ES
RD-59C	Primary	02/22/06	-1.41 U ± 2.7	3.26 J ± 1.7	Filtered		ES
RD-59C	Split	02/22/06	1.34 U ± 1.21	3.96 J ± 1.60	Filtered		STL
RD-59C	Primary	08/23/06	-1.26U ± 1.4	2.32U ± 2.3	Filtered		ES
RD-61	Primary	05/28/98	2.72 ± 1.8	3.58 ± 1.7	Filtered		TN
RD-63	Primary	09/22/94	12.9 ± 5.6	10.3 ± 4.6	Filtered		LAS
RD-63 Effluent	Primary	10/06/94	4.7 ± 4.1	9.4 ± 4.1	Filtered	Pilot extraction effluent.	LAS
RD-63	Primary	11/09/94	14.4 ± 5.7	10.9 ± 3.8	Filtered		LAS
RD-63	Primary	01/04/95	8.7 ± 5.2	7.7 ± 4.1	Filtered		LAS
RD-63	Primary	02/02/99	17.6 ± 5.3	19.1 ± 3.0	Filtered		TN
RD-63	Primary	02/16/00	9.95 ± 4.1	9.70 ± 4.2	Filtered		TR
RD-63	Primary	02/23/01	13.7 ± 3.7	7.73 ± 1.9	Filtered		ES
RD-63	Primary	02/14/02	9.48 ± 3.51	8.14 ± 1.64	Filtered		DL
RD-63	Primary	02/05/03	6.08 ± 1.7	9.06 ± 1.3	Filtered		ES
RD-63	Primary	02/24/04	4.35 ± 3.6	8.01 ± 4	Filtered		ES
RD-63	Primary	08/25/05	9.38 ± 3	10.6 ± 2.8	Filtered		ES
RD-63	Primary	02/16/06	8.81 ± 4.8	11.2 ± 4.2	Filtered		ES
RD-63	Primary	08/09/06	3.75U ± 3	8.13 ± 2.7	Filtered		ES
RD-63	-	08/09/06	-	211 ± 45	Filtered		STL
RD-63	Split	08/09/06	8.44 ± 4.5	11.1 ± 3.5	Filtered		STL
RD-64	Primary	05/10/01	3.98 ± 2.6	8.63 ± 2.0	Filtered		ES
RD-64	Primary	02/28/02	5.10 ± 2.67	5.93 ± 1.10	Filtered		DL
RD-64(Z6)	Primary	01/29/03	3.90 ± 2.2	6.68 ± 2.1	Filtered		ES
RD-64(Z6)	Primary	11/12/04	3.25 ± 2.2	6.85 ± 2.3	Filtered		ES
RD-64(Z6)	Primary	02/14/05	5.62 ± 3.0	7.75 ± 3.0	Filtered		ES
RD-64(Z6)	Primary	08/31/05	6.16 ± 2.2	6.57 ± 1.9	Filtered		ES
RD-64(Z6)	Primary	02/16/06	-0.557 U ± 1.5	1.36 U ± 1.5	Filtered		ES
RD-64(Z6)	Primary	08/17/06	7.25 ± 2.4	7.93 ± 2.6	Filtered		ES

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-65	Primary	02/27/97	0.3 ± 1.7	0.5 ± 1.8	Filtered		LAS
RD-65	Primary	02/07/98	2.24 ± 1.3	4.39 ± 1.6	Filtered		TN
RD-69	Primary	05/28/98	2.33 ± 1.8	3.80 ± 1.4	Filtered		TN
RD-74	Primary	05/13/99	8.82 ± 3.4	5.29 ± 1.9	Filtered		TN
RD-75	Primary	08/30/05	4.05 ± 2.1	8.15 ± 2.6	Filtered		ES
RD-85	Primary	08/13/04	8.99 ± 4.3	16.6 ± 4.3	Filtered		ES
RD-85	Primary	02/23/05	1.67 U ± 2.5	5.98 ± 3.4	Filtered		ES
RD-86	Primary	08/13/04	3.79 ± 2.1	9.51 ± 2.7	Filtered		ES
RD-86	Primary	08/26/04	3.55 ± 2.0	6.79 ± 2.6	Filtered		ES
RD-86	Primary	02/23/05	6.42 ± 3.4	2.75 U ± 2.6	Filtered		ES
RD-87	Primary	08/18/04	1.51 U ± 3.7	10.2 ± 5.2	Filtered		ES
RD-87	Primary	08/26/04	7.76 ± 4.0	11.8 ± 4.1	Filtered		ES
RD-87	Primary	08/24/05	12 ± 3.3	6.64 ± 2.3	Filtered		ES
RD-88	Primary	08/20/04	6.19 ± 5.6	8.43 U ± 6.8	Filtered		ES
RD-88	Primary	08/26/04	6.67 ± 4.1	14.8 ± 5.1	Filtered		ES
RD-88	Primary	08/25/05	5.12 ± 1.9	9.68 ± 2.4	Filtered		ES
RD-89	Primary	05/24/05	11.2 ± 5.6	4.24 U ± 4.3	Filtered		ES
RD-89	Duplicate	05/24/05	11.7 ± 5.6	8.35 ± 4.8	Filtered		ES
RD-89	Primary	06/01/05	11.4 ± 5.4	3.26 U ± 4.4	Filtered		ES
RD-90	Primary	03/25/04	9.02 ± 4.8	14.0 ± 5.0	Filtered		ES
RD-90	Primary	04/15/04	11.3 ± 4.3	13.4 ± 3.7	Filtered		ES
RD-90	Primary	08/25/05	14.5 ± 4	15.9 ± 3.9	Filtered		ES
RD-91	Primary	03/25/04	1.49 U ± 2.3	7.33 ± 3.4	Filtered		ES
RD-91	Primary	04/15/04	6.93 ± 3.2	5.36 ± 3.3	Filtered		ES
RD-92	Primary	03/25/04	0.401 U ± 1.6	1.51 U ± 2.4	Filtered		ES
RD-92	Primary	04/15/04	0.79 U ± 0.97	2.78 ± 1.3	Filtered		ES
RD-93	Primary	05/23/05	7.04 ± 4.8	3.40 U ± 4.7	Filtered		ES
RD-93	Duplicate	05/23/05	11.1 ± 6.3	4.35 U ± 5.2	Filtered		ES
RD-93	Primary	06/01/05	6.29 U ± 5.7	4.06 U ± 8.0	Filtered		ES
RD-93	Primary	08/24/05	5.15 ± 2.4	3.48 U ± 2.9	Filtered		ES
RD-94	Primary	05/23/05	11.0 ± 5.1	10.1 ± 4.3	Filtered		ES
RD-94	Primary	06/01/05	18.8 ± 7.3	8.82 ± 5.3	Filtered		ES
RD-94	Primary	08/25/05	7.09 ± 2.5	11.5 ± 3.1	Filtered		ES
RD-95	Primary	05/23/05	4.61 ± 3.4	4.89 U ± 3.6	Filtered		ES
RD-95	Primary	06/01/05	4.10 U ± 4.0	4.13 U ± 5.1	Filtered		ES
RD-95	Primary	08/24/05	3.66 ± 2.1	3.11 U ± 2.8	Filtered		ES
RD-96	Primary	05/09/06	2.97 U ± 4.2	8.16 ± 5.2	Filtered		ES
RD-96	Primary	05/09/06	16.2 ± 6.2	16.2 ± 5.1	Unfiltered		ES

See last page of Table E-I for notes and abbreviations.

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RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
RD-97	Primary	05/09/06	5.43 U ± 4.7	7.04 ± 4.0	Filtered		ES
RD-97	Primary	05/09/06	35.8 ± 13	40.5 ± 11	Unfiltered		ES
HAR-06	Primary	06/02/89	15.5 ± 3.7	12.1 ± 0.8	Unfiltered		BC
HAR-06	Primary	07/22/89	9.2 ± 2.0	11.9 ± 0.6	Unfiltered, Decanted		BC
HAR-06	Primary	09/14/89	9.4 ± 4.2	20.0 ± 1.6	Unfiltered		BC
HAR-06	Primary	09/14/89	4.6 ± 3.8	18.7 ± 1.4	Filtered		BC
HAR-07	Primary	06/05/89	9.2 ± 4.3	4.2 ± 0.9	Unfiltered		BC
HAR-07	Primary	07/25/89	1.6 ± 1.5	13.1 ± 0.6	Unfiltered, Decanted		BC
HAR-07	Primary	09/09/89	6.0 ± 1.8	10.0 ± 0.3	Unfiltered		BC
HAR-07	Primary	09/09/89	4.0 ± 1.5	6.0 ± 0.3	Filtered		BC
HAR-07	Primary	03/15/93	<2	<3	Filtered		CEP
HAR-07	Primary	06/09/93	4 ± 3	5 ± 4	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
HAR-07	Primary	08/09/93	5 ± 2	18 ± 4	Filtered		CEP
HAR-07	Primary	11/04/93	4.1 ± 3.2	4.5 ± 3.2	Filtered		LAS
HAR-08	Primary	06/07/89	-1.0 ± 1.5	1.9 ± 0.5	Unfiltered		BC
HAR-08	Primary	07/23/89	-1.0 ± 1.2	-1.0 ± 0.3	Unfiltered, Decanted		BC
HAR-16	Primary	06/05/89	4.2 ± 1.9	1.7 ± 0.8	Unfiltered		BC
HAR-16	Primary	07/25/89	4.6 ± 1.9	5.4 ± 0.8	Unfiltered, Decanted		BC
HAR-16	Primary	09/09/89	2.1 ± 1.3	4.5 ± 0.4	Unfiltered		BC
HAR-16	Primary	09/09/89	1.0 ± 1.1	3.6 ± 0.3	Filtered		BC
HAR-16	Primary	03/15/93	<2	<3	Filtered		CEP
HAR-16	Primary	06/09/93	3 ± 2	7 ± 4	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
HAR-16	Primary	08/09/93	<2	<3	Filtered		CEP
HAR-16	Primary	11/22/93	-0.5 ± 2.0	3.0 ± 2.5	Filtered		LAS
HAR-17	Primary	06/04/89	7.3 ± 2.5	2.3 ± 0.6	Unfiltered		BC
HAR-17	Primary	07/23/89	4.7 ± 1.7	4.6 ± 0.5	Unfiltered, Decanted		BC
HAR-17	Primary	06/28/90	7.88 ± 5.95	5.39 ± 2.80	Filtered		UST
HAR-17	Primary	03/17/93	7 ± 5	4 ± 3	Filtered		CEP
HAR-17	Primary	06/09/93	3 ± 2	12 ± 4	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
HAR-17	Primary	08/09/93	<2	<3	Filtered		CEP
HAR-17	Primary	11/08/93	2.9 ± 3.4	4.1 ± 4.2	Filtered		LAS

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
HAR-18	Primary	06/05/89	11.8 ± 4.4	9.5 ± 1.1	Unfiltered		BC
HAR-18	Primary	07/25/89	8.6 ± 2.6	16.7 ± 1.0	Unfiltered, Decanted		BC
HAR-18	Primary	09/11/89	21.6 ± 4.7	14.0 ± 1.9	Unfiltered		BC
HAR-18	Primary	09/11/89	16.5 ± 4.5	20.1 ± 1.7	Filtered		BC
HAR-18	Primary	05/08/94	19.1 ± 7.2	9.7 ± 4.5	Filtered		LAS
HAR-19	Primary	09/09/89	10.0 ± 2.1	11.0 ± 0.5	Unfiltered		BC
HAR-19	Primary	09/09/89	6.0 ± 1.9	12.0 ± 0.4	Filtered		BC
HAR-20	Primary	09/09/89	20.0 ± 2.9	13.0 ± 0.72	Unfiltered		BC
HAR-20	Primary	09/09/89	12.0 ± 2.6	9.0 ± 0.6	Filtered		BC
HAR-21	Primary	09/09/89	15.0 ± 2.5	19.0 ± 0.9	Unfiltered		BC
HAR-21	Primary	09/09/89	11.0 ± 2.1	11.0 ± 0.7	Filtered		BC
HAR-23	Primary	06/02/89	-1.0 ± 3.8	7.7 ± 0.8	Unfiltered		BC
HAR-23	Primary	07/22/89	4.2 ± 1.6	8.0 ± 0.3	Unfiltered, Decanted		BC
HAR-26	Primary	07/22/89	2.6 ± 1.4	3.3 ± 0.5	Unfiltered, Decanted		BC
HAR-26	Primary	02/23/94	0.8 ± 2.4	3.9 ± 2.7	Filtered		LAS
HAR-26	Primary	08/15/94	0.2 ± 2.5	3.8 ± 3.2	Filtered		LAS
WS-04A	Primary	06/03/89	9.9 ± 2.5	5.8 ± 0.7	Unfiltered		BC
WS-04A	Primary	07/23/89	-1.0 ± 1.5	7.1 ± 0.4	Unfiltered, Decanted		BC
WS-04A	Primary	09/09/89	5.6 ± 1.9	12.4 ± 0.6	Unfiltered		BC
WS-04A	Primary	09/09/89	2.1 ± 1.5	7.8 ± 0.5	Filtered		BC
WS-04A	Primary	12/06/90	2.18 ± 2.79	5.90 ± 2.66	Filtered		IT
WS-04A	Primary	03/18/93	<2	5 ± 2	Filtered		CEP
WS-04A	Primary	06/10/93	4 ± 3	9 ± 4	Filtered	Gross alpha: high statistics due to large amount of solids.	CEP
WS-04A	Primary	08/23/93	<2	8 ± 3	Filtered		CEP
WS-04A	Primary	11/04/93	1.3 ± 2.3	4.3 ± 3.2	Filtered		LAS
WS-05	Primary	06/01/89	-1.0 ± 2.7	6.2 ± 0.5	Unfiltered		BC
WS-05	Primary	07/22/89	3.5 ± 1.5	7.5 ± 0.4	Unfiltered, Decanted		BC
WS-05	Primary	09/09/89	4.0 ± 1.6	10.2 ± 0.4	Unfiltered		BC
WS-05	Primary	09/09/89	1.5 ± 1.4	9.3 ± 0.3	Filtered		BC
WS-06	Primary	06/01/89	7.4 ± 4.3	5.2 ± 0.8	Unfiltered		BC
WS-06	Primary	07/23/89	5.8 ± 1.7	7.6 ± 0.4	Unfiltered, Decanted		BC
WS-06	Primary	09/11/89	2.4 ± 2.4	12.3 ± 0.8	Unfiltered		BC

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
WS-06	Primary	09/11/89	2.9 ± 2.3	12.9 ± 0.8	Filtered		BC
WS-07	Primary	06/04/89	3.4 ± 4.0	7.3 ± 0.8	Unfiltered		BC
WS-07	Primary	07/23/89	8.3 ± 1.9	4.7 ± 0.5	Unfiltered, Decanted		BC
WS-07	Primary	12/06/90	3.80 ± 2.03	5.07 ± 2.59	Filtered		IT
WS-07	Duplicate	12/06/90	2.10 ± 1.69	5.23 ± 2.68	Filtered		IT
WS-07	Primary	03/08/91	5.76 ± 2.68	4.82 ± 2.55	Filtered		IT
WS-07	Primary	12/07/91	5.18 ± 2.97	5.78 ± 1.87	Filtered		IT
WS-07	Split	12/07/91	<2	<3	Filtered		CEP
WS-08	Primary	06/04/89	157.0 ± 22.6	239.0 ± 8.7	Unfiltered		BC
WS-08	Primary	07/22/89	3.9 ± 1.6	5.7 ± 0.4	Unfiltered, Decanted		BC
WS-08	Primary	07/22/89	2.1 ± 1.8	1.8 ± 0.6	Filtered		BC
WS-08	Primary	09/09/89	9.7 ± 1.9	10.7 ± 0.4	Unfiltered		BC
WS-08	Primary	09/09/89	2.6 ± 1.2	9.5 ± 0.3	Filtered		BC
WS-09	Primary	06/04/89	21.2 ± 3.7	11.5 ± 0.9	Unfiltered		BC
WS-09	Primary	07/19/89	8.8 ± 1.8	12.0 ± 0.5	Unfiltered, Decanted		BC
WS-09	Split	07/19/89	10 ± 3	7 ± 5	Unfiltered		FGL
WS-09	Primary	07/19/89	5.4 ± 2.6	10.0 ± 1.0	Filtered		BC
WS-09A	Primary	06/01/89	-1.0 ± 3.4	4.3 ± 0.6	Unfiltered		BC
WS-09A	Primary	07/23/89	1.8 ± 1.2	3.9 ± 0.3	Unfiltered, Decanted		BC
WS-09A	Primary	09/12/89	3.9 ± 3.1	10.6 ± 1.0	Unfiltered		BC
WS-09A	Primary	09/12/89	-1.0 ± 2.3	7.9 ± 0.8	Filtered		BC
WS-09B	Primary	06/06/89	-1.0 ± 3.1	11.1 ± 0.7	Unfiltered		BC
WS-09B	Primary	07/24/89	5.8 ± 2.0	9.0 ± 0.4	Unfiltered, Decanted		BC
WS-12	Primary	06/04/89	11.2 ± 3.0	9.4 ± 0.6	Unfiltered		BC
WS-12	Primary	07/24/89	3.8 ± 1.5	6.8 ± 0.4	Unfiltered, Decanted		BC
WS-13	Primary	06/03/89	10.5 ± 3.0	4.5 ± 0.7	Unfiltered		BC
WS-13	Primary	07/22/89	6.6 ± 1.8	6.1 ± 0.4	Unfiltered, Decanted		BC
WS-13	Primary	10/17/89	4.01 ± 2.45	3.82 ± 1.86	Filtered		UST
WS-13	Duplicate	10/17/89	2.98 ± 2.24	3.90 ± 1.90	Filtered		UST
WS-13	Primary	11/01/89	1.68 ± 1.92	5.77 ± 2.76	Unfiltered		UST
WS-13	Primary	11/01/89	1.69 ± 1.73	5.82 ± 2.75	Filtered		UST

See last page of Table E-I for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
WS-14	Primary	06/03/89	7.9 ± 4.0	2.3 ± 1.0	Unfiltered		BC
WS-14	Primary	07/22/89	3.3 ± 1.4	5.3 ± 0.3	Unfiltered, Decanted		BC
Private Off-Site Wells							
OS-01	Primary	06/05/89	-1.0 ± 3.0	5.6 ± 0.7	Unfiltered		BC
OS-01	Primary	07/24/89	5.1 ± 3.7	6.5 ± 1.2	Unfiltered, Decanted		BC
OS-01	Primary	09/13/89	3.6 ± 2.5	9.0 ± 0.9	Unfiltered		BC
OS-01	Primary	09/13/89	2.3 ± 2.3	5.5 ± 0.8	Filtered		BC
OS-01	Primary	06/28/90	2.28 ± 2.57	4.21 ± 2.51	Filtered		UST
OS-01	Primary	12/11/90	2.62 ± 1.83	5.31 ± 2.64	Filtered		IT
OS-01	Primary	03/09/91	3.19 ± 2.18	5.91 ± 2.60	Filtered		IT
OS-01	Primary	12/09/91	4.63 ± 3.03	5.79 ± 2.01	Filtered		IT
OS-01	Primary	06/09/92	-0.2 ± 1.8	2 ± 3	Filtered		CEP
OS-01	Primary	09/15/92	0.3 ± 2.0	3 ± 3	Filtered		CEP
OS-01	Primary	12/17/92	3 ± 2	4 ± 3	Filtered		CEP
OS-01	Primary	06/22/93	3 ± 2	17 ± 4	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
OS-01	Primary	08/23/93	4 ± 2	9 ± 3	Filtered		CEP
OS-01	Primary	11/08/93	3.0 ± 3.1	21.2 ± 4.3	Filtered		LAS
OS-01	Primary	02/23/94	2 ± 3.4	4.6 ± 2.7	Filtered		LAS
OS-01	Primary	08/15/94	-1.1 ± 2.4	3.6 ± 3.4	Filtered		LAS
OS-02	Primary	06/05/89	1.3 ± 2.6	-1.0 ± 0.7	Unfiltered		BC
OS-02	Primary	07/24/89	-1.0 ± 4.1	4.2 ± 1.4	Unfiltered, Decanted		BC
OS-02	Primary	09/13/89	2.9 ± 2.9	8.5 ± 0.8	Unfiltered		BC
OS-02	Primary	09/13/89	-1.0 ± 1.7	2.2 ± 0.5	Filtered		BC
OS-02	Primary	06/28/90	2.28 ± 2.85	1.40 ± 2.15	Filtered		UST
OS-02	Primary	12/11/90	0.188 ± 0.827	2.10 ± 2.26	Filtered		IT
OS-02	Primary	03/08/91	4.73 ± 3.42	4.05 ± 2.53	Filtered		IT
OS-02	Duplicate	03/08/91	2.83 ± 3.11	1.46 ± 2.53	Filtered		IT
OS-02	Primary	12/09/91	2.08 ± 2.22	1.88 ± 1.45	Filtered		IT
OS-02	Primary	06/09/92	-1 ± 2	2 ± 3	Filtered		CEP
OS-02	Primary	09/15/92	1.5 ± 2.0	1.8 ± 3.0	Filtered		CEP
OS-02	Primary	12/17/92	<2	<3	Filtered		CEP
OS-02	Primary	06/22/93	<2	7 ± 3	Filtered		CEP
OS-02	Primary	08/23/93	4 ± 2	4 ± 3	Filtered		CEP
OS-02	Primary	11/08/93	1.1 ± 2.2	1.5 ± 2.7	Filtered		LAS
OS-02	Primary	02/23/94	2.3 ± 2.4	1.3 ± 2.6	Filtered		LAS

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VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
OS-02	Primary	08/15/94	0.6 ± 2.4	1.3 ± 3.2	Filtered		LAS
OS-03	Primary	06/05/89	-1.0 ± 3.1	5.6 ± 0.7	Unfiltered		BC
OS-03	Primary	07/24/89	4.2 ± 3.7	7.5 ± 1.1	Unfiltered, Decanted		BC
OS-03	Primary	09/13/89	10.2 ± 3.4	17.1 ± 1.0	Unfiltered		BC
OS-03	Primary	09/13/89	-1.0 ± 1.9	5.6 ± 0.7	Filtered		BC
OS-03	Primary	12/11/90	0.283 ± 0.909	3.76 ± 2.53	Filtered		IT
OS-03	Primary	03/08/91	1.79 ± 1.61	2.99 ± 2.34	Filtered		IT
OS-03	Primary	12/09/91	1.91 ± 1.90	3.04 ± 1.61	Filtered		IT
OS-03	Primary	06/09/92	-0.2 ± 1.8	3 ± 3	Filtered		CEP
OS-03	Primary	06/22/93	4 ± 3	13 ± 7	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
OS-03	Primary	08/23/93	<2	7 ± 3	Filtered		CEP
OS-03	Primary	11/08/93	-0.5 ± 1.4	2.6 ± 3.2	Filtered		LAS
OS-03	Primary	02/23/94	0.8 ± 2.4	3.9 ± 2.7	Filtered		LAS
OS-03	Primary	08/15/94	0.2 ± 2.5	3.8 ± 3.2	Filtered		LAS
OS-04	Primary	06/05/89	-1.0 ± 3.0	3.0 ± 0.7	Unfiltered		BC
OS-04	Primary	07/24/89	5.1 ± 2.0	12.0 ± 0.8	Unfiltered, Decanted		BC
OS-04	Primary	09/13/89	5.2 ± 3.3	14.1 ± 1.1	Unfiltered		BC
OS-04	Primary	09/13/89	-1.0 ± 2.3	8.8 ± 0.8	Filtered		BC
OS-04	Primary	12/11/90	0.731 ± 1.39	4.08 ± 2.42	Filtered		IT
OS-04	Primary	06/09/92	1 ± 2	6 ± 3	Filtered		CEP
OS-04	Primary	06/22/93	3 ± 2	10 ± 3	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
OS-04	Primary	08/23/93	<2	<3	Filtered		CEP
OS-04	Primary	02/23/94	1.3 ± 3.4	6.1 ± 3.2	Filtered		LAS
OS-04	Primary	08/15/94	1.5 ± 2.9	3.9 ± 3.6	Filtered		LAS
OS-05	Primary	06/05/89	7.4 ± 2.3	7.3 ± 0.6	Unfiltered		BC
OS-05	Primary	07/24/89	6.4 ± 2.1	9.2 ± 0.9	Unfiltered, Decanted		BC
OS-05	Primary	09/13/89	-1.0 ± 2.7	9.9 ± 1.0	Unfiltered		BC
OS-05	Primary	09/13/89	-1.0 ± 2.7	11.7 ± 1.0	Filtered		BC
OS-05	Primary	03/27/90	2.60 ± 3.33	4.30 ± 2.57	Filtered		UST
OS-05	Primary	06/28/90	2.80 ± 3.67	7.27 ± 2.84	Filtered		UST
OS-05	Primary	09/14/90	5.86 ± 4.59	9.76 ± 5.05	Filtered		UST
OS-05	Primary	12/11/90	0.515 ± 1.12	3.43 ± 2.45	Filtered		IT
OS-05	Primary	03/08/91	3.14 ± 2.75	4.17 ± 2.42	Filtered		IT
OS-05	Primary	12/09/91	2.39 ± 2.65	6.23 ± 2.31	Filtered		IT
OS-05	Primary	06/09/92	-0.2 ± 2	5 ± 3	Filtered		CEP

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Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
OS-05	Primary	09/15/92	1.9 ± 2.0	6 ± 4	Filtered		CEP
OS-05	Split	09/15/92	1.2 ± 6.3	12 ± 8	Filtered		BL
OS-05	Primary	12/17/92	3 ± 2	7 ± 4	Filtered		CEP
OS-05	Primary	06/22/93	4 ± 3	16 ± 7	Filtered	Gross alpha: high statistics due to large amounts of solids.	CEP
OS-05	Primary	08/23/93	<2	<3	Filtered		CEP
OS-05	Primary	11/08/93	1.3 ± 3.3	4.9 ± 3.8	Filtered		LAS
OS-05	Primary	02/23/94	5.2 ± 4.7	7.4 ± 3.6	Filtered		LAS
OS-08	Primary	06/05/89	-1.0 ± 3.0	3.8 ± 0.5	Unfiltered		BC
OS-08	Primary	07/24/89	1.2 ± 1.2	4.5 ± 0.5	Unfiltered, Decanted		BC
OS-08	Primary	09/13/89	1.5 ± 2.6	1.6 ± 0.8	Unfiltered		BC
OS-08	Primary	09/13/89	-1.0 ± 2.2	-1.0 ± 0.7	Filtered		BC
OS-08	Primary	06/09/92	0 ± 2	1 ± 3	Filtered		CEP
OS-08	Primary	06/22/93	<2	10 ± 3	Filtered		CEP
OS-08	Primary	08/15/94	0.2 ± 3.3	2.1 ± 4.4	Filtered		LAS
OS-09R	Primary	01/26/04	1.29 U ± 1.6	0.54 U ± 1.6	Filtered		ES
OS-10	Primary	06/05/89	-1.0 ± 1.9	4.7 ± 0.5	Unfiltered		BC
OS-10	Primary	07/24/89	2.2 ± 1.4	4.2 ± 0.6	Unfiltered, Decanted		BC
OS-10	Primary	09/13/89	-1.0 ± 1.8	-1.0 ± 0.6	Unfiltered		BC
OS-10	Primary	09/13/89	-1.0 ± 1.6	-1.0 ± 0.6	Filtered		BC
OS-10	Primary	12/09/91	0.749 ± 1.57	0.444 ± 1.09	Filtered		IT
OS-12	Primary	06/04/89	74.9 ± 35.6	129.5 ± 8.1	Unfiltered		BC
OS-12	Primary	07/23/89	2.6 ± 0.9	12.4 ± 3.2	Unfiltered, Decanted		BC
OS-12	Primary	07/23/89	48 ± 27	67 ± 31	Unfiltered		FGL
OS-15	Primary	06/07/89	18.5 ± 4.7	4.7 ± 1.6	Unfiltered		BC
OS-15	Primary	07/23/89	11.6 ± 1.1	40.1 ± 1.1	Unfiltered, Decanted		BC
OS-15	Primary	12/10/91	3.39 ± 4.83	10.9 ± 4.69	Filtered		IT
OS-16	Primary	06/05/89	4.8 ± 2.3	4.7 ± 0.5	Unfiltered		BC
OS-16	Primary	07/22/89	10.8 ± 2.1	8.6 ± 0.5	Unfiltered, Decanted		BC
OS-16	Primary	09/14/89	5.3 ± 2.6	5.8 ± 1.1	Unfiltered		BC
OS-16	Primary	09/14/89	3.2 ± 2.5	5.2 ± 0.9	Filtered		BC
OS-16	Primary	10/19/89	5.54 ± 2.72	5.04 ± 1.99	Filtered		UST
OS-16	Duplicate	10/19/89	5.11 ± 2.59	4.27 ± 1.82	Filtered		UST
OS-16	Primary	11/01/89	2.57 ± 2.20	6.75 ± 2.92	Unfiltered		UST

See last page of Table E-I for notes and abbreviations.

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TABLE E-I

RESULTS OF ANALYSES FOR GROSS ALPHA AND GROSS BETA RADIOACTIVITY IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Sample Comment	Laboratory
OS-16	Duplicate	11/01/89	4.05 ± 2.65	4.29 ± 2.59	Unfiltered		UST
OS-16	Primary	11/01/89	4.39 ± 2.73	6.73 ± 2.59	Filtered		UST
OS-16	Duplicate	11/01/89	5.06 ± 2.95	6.99 ± 2.72	Filtered		UST
OS-16	Primary	12/10/91	1.65 ± 2.07	1.59 ± 1.75	Filtered		IT
OS-16	Primary	03/12/92	5 ± 3	5 ± 3	Filtered		CEP
OS-17	Primary	06/04/89	8.4 ± 2.8	13.9 ± 0.7	Unfiltered		BC
OS-17	Primary	07/22/89	4.5 ± 1.7	10.7 ± 0.5	Unfiltered, Decanted		BC
OS-17	Primary	09/13/89	2.5 ± 3.4	12.8 ± 1.4	Unfiltered		BC
OS-17	Primary	09/13/89	1.4 ± 3.5	7.6 ± 1.4	Filtered		BC
OS-17	Primary	12/10/91	1.64 ± 2.49	3.37 ± 2.26	Filtered		IT
OS-17	Primary	03/12/92	<2	6 ± 3	Filtered		CEP
OS-21	Primary	06/06/89	-1.0 ± 3.0	7.1 ± 0.7	Unfiltered		BC
OS-21	Primary	07/23/89	1.6 ± 1.5	5.5 ± 0.4	Unfiltered, Decanted		BC
OS-21	Primary	09/09/89	-1.0 ± 1.2	10.0 ± 0.4	Unfiltered		BC
OS-21	Primary	09/09/89	3.0 ± 1.5	10.0 ± 0.4	Filtered		BC
OS-21	Primary	10/19/89	1.08 ± 1.56	2.91 ± 1.78	Filtered		UST
OS-21	Primary	11/01/89	2.82 ± 2.18	6.83 ± 2.83	Unfiltered		UST
OS-21	Primary	11/01/89	1.42 ± 1.90	3.56 ± 2.52	Filtered		UST
OS-21	Primary	03/09/91	0.804 ± 1.70	4.13 ± 2.44	Filtered		IT
OS-21	Primary	12/10/91	1.55 ± 2.31	2.59 ± 1.92	Filtered		IT
OS-21	Primary	03/12/92	<2	<3	Filtered		CEP
OS-21	Primary	03/19/93	<2	<3	Filtered		CEP
OS-22	Primary	06/27/89	8.5 ± 3.4	11.0 ± 1.0	Unfiltered		BC
OS-23	Primary	06/28/89	14.6 ± 4.0	16.6 ± 1.1	Unfiltered		BC
<i>Municipal Water Supply</i>							
Calleguas	Primary	12/14/90	-0.00286 ± 0.418	5.50 ± 2.42	Filtered		IT
Calleguas	Primary	03/10/91	0.820 ± 1.07	3.05 ± 2.28	Filtered		IT
Calleguas	Primary	03/12/92	<2	5 ± 3	Filtered		CEP
Calleguas	Primary	09/22/92	0.7 ± 2.0	1.8 ± 2.3	Filtered		CEP

See last page of Table E-I for notes and abbreviations.

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TABLE E-I
NOTES AND ABBREVIATIONS

BC	=	BC Laboratories, Bakersfield, California.
BL	=	Barringer Laboratories, Inc., Golden, Colorado.
CEP	=	Controls for Environmental Pollution, Santa Fe, New Mexico.
DL	=	Davi Laboratories, Pinole, California.
ES	=	Eberline Services (formerly Thermo ReTec), Richmond, California.
FGL	=	FGL Environmental, Santa Paula, California.
IT	=	International Technologies, Inc. (formerly UST).
LAS	=	LAS Laboratories, Inc. (formerly Lockheed Martin), Las Vegas, Nevada.
STL	=	Severn Trent Laboratories, Richland, Washington.
TEL	=	Teledyne Isotopes, Westwood, New Jersey.
TMA	=	Thermoanalytical Inc.
TN	=	Thermo NUtech, Richmond, California.
TR	=	Thermo Retec (formerly Thermo NUtech), Richmond, California.
UST	=	United States Testing, Richland, Washington.
Primary	=	Primary sample.
Duplicate	=	Sample duplicate.
Split	=	Sample split.
Reanalysis of Primary	=	Reanalysis of primary sample.
Reanalysis of Duplicate	=	Reanalysis of duplicate sample.
Reanalysis of Split	=	Reanalysis of sample split.
(---)	=	Not requested-not reported.
(<)	=	Less than; numerical value represents limit of detection for that analysis.
J	=	Result is less than contract-required minimum detectable activity (MDA) and greater than or equal to the MDA.
R	=	Rejected.
(U)	=	The result is less than the MDA (Minimum Detectable Activity).
Z	=	FLUTe sample port number.
pCi/l	=	PicoCuries per liter.

NOTES: All samples analyzed according to EPA method 900.0, Gross Alpha and Gross Beta Radioactivity.

Edits were made in January 2007. Changes are summarized in Table E-V.

Results are presented as the activity plus or minus error. Any activity detected is reported by the laboratory, though the reported activity may be less than the overall laboratory error. Analytical results that are less than the instrument background count are shown as negative values.

TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
Shallow Wells						
SH-04	Primary	09/09/89	-75.8 U ± 124	Unfiltered		UST
SH-04	Split	09/09/89	<1000 U	Unfiltered		TMA
SH-05	Primary	11/29/89	-202 U ± 239	Unfiltered		UST
SH-06	Primary	11/29/89	-12.2 U ± 249	Unfiltered		UST
SH-07	Primary	09/09/89	-80.5 U ± 124	Unfiltered		UST
SH-07	Split	09/09/89	<1000 U	Unfiltered		TMA
SH-07	Primary	11/29/89	-258 U ± 235	Unfiltered		UST
SH-11	Primary	09/09/89	-43.1 U ± 126	Unfiltered		UST
SH-11	Split	09/09/89	<1000 U	Unfiltered		TMA
RS-07	Primary	09/11/89	-74.6 U ± 120	Unfiltered		UST
RS-07	Split	09/11/89	<100 U	Unfiltered		TMA
RS-11	Primary	12/06/90	43.2 U ± 200	Unfiltered		IT
RS-11	Primary	03/04/91	58.2 U ± 192	Unfiltered		IT
RS-11	Primary	12/07/91	12.0 U ± 212	Unfiltered		IT
RS-11	Primary	03/05/92	<500 U	Unfiltered		CEP
RS-11	Primary	03/07/93	378 U ± 437	Unfiltered		CEP
RS-11	Primary	02/22/94	-80 U ± 130	Unfiltered		LAS
RS-11	Primary	02/15/95	30 U ± 190	Unfiltered		LAS
RS-11	Primary	02/07/96	-20 U ± 160	Unfiltered		LAS
RS-11	Primary	02/04/97	117 ± 59	Unfiltered		LAS
RS-11	Primary	02/04/98	-50.7 U ± 120	Unfiltered		TN
RS-11	Primary	02/06/99	80.1 U ± 110	Unfiltered		TN
RS-11	Primary	02/15/00	45.4 U ± 110	Unfiltered		TR
RS-11	Primary	02/06/01	-11.1 U ± 98	Unfiltered		ES
RS-11	Primary	05/01/03	17.6 U ± 100	Unfiltered		ES
RS-11	Primary	02/17/05	0 U ± 150	Unfiltered		ES
RS-11	Primary	02/21/06	25.1 U ± 100	Unfiltered		ES
RS-13	Primary	09/09/89	-148 U ± 121	Unfiltered		UST
RS-13	Split	09/09/89	<1000 U	Unfiltered		TMA
RS-14	Primary	09/10/89	-116 U ± 122	Unfiltered		UST
RS-14	Dup	09/10/89	-39.3 U ± 129	Unfiltered		UST
RS-14	Split	09/10/89	<1000 U	Unfiltered		TMA
RS-14	Split	09/10/89	<1000 U	Unfiltered		TMA
RS-16	Primary	03/09/92	<500 U	Unfiltered		CEP
RS-16	Primary	06/23/93	25 U ± 442	Unfiltered		CEP
RS-16	Primary	02/09/95	-60 U ± 190	Unfiltered		LAS
RS-16	Primary	02/04/97	353 ± 75	Unfiltered		LAS
RS-16	Primary	05/27/98	-41.3 U ± 120	Unfiltered		TN
RS-16	Primary	02/23/05	-3.78 U ± 110	Unfiltered		ES
RS-17	Primary	12/10/90	61.0 U ± 197	Unfiltered		IT
RS-17	Primary	12/07/91	-5.54 U ± 211	Unfiltered		IT
RS-17	Primary	12/05/92	-297 U ± 499	Unfiltered		CEP
RS-18	Primary	03/10/91	102 U ± 195	Unfiltered		IT
RS-18	Dup	03/10/91	75.8 U ± 194	Unfiltered		IT
RS-18	Primary	03/04/92	-200 U ± 496	Unfiltered		CEP
RS-18	Primary	12/15/92	434 U ± 495	Unfiltered		CEP
RS-18	Primary	06/23/93	-133 U ± 500	Unfiltered		CEP
RS-18	Primary	11/06/93	230 ± 140	Unfiltered		LAS

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RS-18	Primary	05/04/94	230 ± 160	Unfiltered		LAS
RS-18	Primary	02/17/95	40 U ± 190	Unfiltered		LAS
RS-18	Primary	08/10/95	30 U ± 210	Unfiltered		LAS
RS-18	Primary	05/16/96	140 U ± 190	Unfiltered		LAS
RS-18	Primary	02/03/97	255 ± 69	Unfiltered		LAS
RS-18	Primary	02/05/98	25.9 U ± 120	Unfiltered		TN
RS-18	Primary	08/05/98	138 U ± 130	Unfiltered		TN
RS-18	Primary	05/12/99	135 U ± 110	Unfiltered		TN
RS-18	Primary	05/09/00	-1.10 U ± 12	Unfiltered		TR
RS-18	Primary	02/19/01	124 U ± 120	Unfiltered		ES
RS-18	Primary	05/02/03	68.7 U ± 110	Unfiltered		ES
RS-18	Primary	02/23/05	-42.3 U ± 110	Unfiltered		ES
RS-18	Primary	08/26/05	9.23 U ± 150	Unfiltered		ES
RS-18	Primary	02/20/06	69.5 U ± 100	Unfiltered		ES
RS-25	Primary	02/25/03	45.9 U ± 110	Unfiltered		ES
RS-27	Primary	03/04/92	-472 U ± 498	Unfiltered		CEP
RS-27	Primary	05/17/95	60 U ± 190	Unfiltered		LAS
RS-27	Primary	05/07/98	-182 U ± 120	Unfiltered		TN
RS-28	Primary	10/19/89	47.0 U ± 195	Unfiltered		UST
RS-28	Primary	12/06/90	-25.0 U ± 197	Unfiltered		IT
RS-28	Primary	03/09/91	198 ± 192	Unfiltered		IT
RS-28	Primary	12/06/91	86.9 U ± 216	Unfiltered		IT
RS-28	Primary	03/06/92	<500 U	Unfiltered		IT
RS-28	Primary	03/09/92	<500 U	Unfiltered		CEP
RS-28	Primary	06/22/93	-393 U ± 500	Unfiltered		CEP
RS-28	Primary	11/06/93	70 U ± 120	Unfiltered		LAS
RS-28	Primary	05/07/94	30 U ± 130	Unfiltered		LAS
RS-28	Primary	05/17/95	20 U ± 180	Unfiltered		LAS
RS-28	Primary	11/08/95	120 U ± 210	Unfiltered		LAS
RS-28	Primary	05/16/96	100 U ± 180	Unfiltered		LAS
RS-28	Primary	05/08/98	-168 U ± 120	Unfiltered		TN
RS-28	Primary	11/16/98	60.9 U ± 130	Unfiltered		TN
RS-28	Primary	05/05/00	-12.3 U ± 12	Unfiltered		TR
RS-28	Primary	05/10/01	6.37 U ± 120	Unfiltered		ES
RS-28	Primary	05/20/05	-72.7 U ± 100	Unfiltered		ES
RS-28	Primary	02/17/06	111 U ± 100	Unfiltered		ES
RS-54	Primary	09/11/93	1099 ± 707	Unfiltered		CEP
RS-54	Primary	09/29/93	-98 U ± 500	Unfiltered		CEP
RS-54	Primary	05/07/94	80 U ± 140	Unfiltered		LAS
RS-54	Primary	08/07/94	200 U ± 170	Unfiltered		LAS
RS-54	Primary	08/03/95	50 U ± 220	Unfiltered		LAS
RS-54	Primary	05/16/96	80 U ± 180	Unfiltered		LAS
RS-54	Primary	08/23/96	160 U ± 140	Unfiltered		LAS
RS-54	Primary	05/03/97	120 U ± 120	Unfiltered		LAS
RS-54	Primary	08/02/97	40 U ± 120	Unfiltered		LAS
RS-54	Primary	08/27/97	50 U ± 110	Unfiltered		LAS
RS-54	Primary	02/08/98	134 U ± 120	Unfiltered		TN
RS-54	Primary	05/28/98	69.4 U ± 120	Unfiltered		TN
RS-54	Primary	08/04/98	36.8 U ± 120	Unfiltered		TN

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RS-54	Primary	02/02/99	85.4 U ± 100	Unfiltered		TN
RS-54	Primary	08/18/99	66.4 U ± 96	Unfiltered		TN
RS-54	Primary	03/15/00	144 U ± 110	Unfiltered		TR
RS-54	Primary	11/01/01	64 U ± 108	Unfiltered		DL
RS-54	Primary	03/01/02	332 U ± 58	Unfiltered		DL
RS-54	Primary	11/07/02	1.83 U ± 110	Unfiltered		ES
RS-54	Primary	02/16/05	504 ± 140	Unfiltered		ES
RS-54	Primary	09/06/05	18.8 U ± 100	Unfiltered		ES
RS-54	Primary	02/23/06	105 U ± 100	Unfiltered		ES
RS-54	Split	02/23/06	48.1 U ± 154	Unfiltered		STL
ES-06	Primary	05/04/94	-70 U ± 110	Unfiltered		LAS
ES-08	Primary	05/26/94	-100 U ± 100	Unfiltered		LAS
ES-24	Primary	09/10/89	-62.7 U ± 124	Unfiltered		UST
ES-24	Dup	09/10/89	-58.0 U ± 126	Unfiltered		UST
ES-24	Split	09/10/89	<1000 U	Unfiltered		TMA
ES-24	Split	09/10/89	<1000 U	Unfiltered		TMA
ES-31	Primary	12/10/90	49.9 U ± 196	Unfiltered		IT
ES-31	Primary	03/04/91	590 ± 221	Unfiltered		IT
ES-31	Dup	03/04/91	159 U ± 197	Unfiltered		IT
ES-31	Primary	06/03/91	7.70 U ± 194	Unfiltered		IT
ES-31	Primary	09/07/91	-48.1 U ± 196	Unfiltered		IT
ES-31	Primary	12/07/91	-89.6 U ± 206	Unfiltered		IT
ES-31	Primary	03/05/92	<500 U	Unfiltered		CEP
ES-31	Primary	03/03/93	300 U ± 326	Unfiltered		CEP
ES-31	Primary	02/22/94	0 U ± 150	Unfiltered		LAS
ES-31	Primary	02/15/95	-40 U ± 180	Unfiltered		LAS
ES-31	Primary	02/06/96	-120 U ± 140	Unfiltered		LAS
ES-31	Primary	02/04/97	155 ± 64	Unfiltered		LAS
ES-31	Primary	02/04/98	38.4 U ± 120	Unfiltered		TN
ES-31	Primary	02/06/99	62.7 U ± 100	Unfiltered		TN
ES-31	Primary	02/06/00	0 U ± 120	Unfiltered		TR
ES-31	Primary	02/15/01	24.8 U ± 120	Unfiltered		ES
ES-31	Primary	02/18/02	65 U ± 121	Unfiltered		DL
ES-31	Primary	02/19/03	21.1 U ± 110	Unfiltered		ES
ES-31	Primary	03/10/05	0 U ± 100	Unfiltered		ES
ES-31	Primary	02/21/06	20.0 U ± 120	Unfiltered		ES
HAR-03	Primary	09/11/89	-4.78 U ± 121	Unfiltered		UST
HAR-03	Split	09/11/89	<1000 U	Unfiltered		TMA
HAR-04	Primary	09/11/89	-185 U ± 115	Unfiltered		UST
HAR-04	Split	09/11/89	<1000 U	Unfiltered		TMA
HAR-04	Split	09/11/89	<1000 U	Unfiltered		TMA
HAR-14	Primary	09/12/89	-22.9 U ± 124	Unfiltered		UST
HAR-14	Split	09/12/89	<1000 U	Unfiltered		TMA
HAR-30	Primary	09/12/89	-45.0 U ± 129	Unfiltered		UST
HAR-30	Split	09/12/89	<1000 U	Unfiltered		TMA
Chatsworth Formation Wells						
RD-01	Primary	09/11/89	123 U ± 137	Unfiltered		UST
RD-01	Split	09/11/89	<1000 U	Unfiltered		TMA

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-03	Primary	09/10/89	-155 U ± 122	Unfiltered		UST
RD-03	Split	09/10/89	<1000 U	Unfiltered		TMA
RD-03	Split	09/11/89	<1000 U	Unfiltered		TMA
RD-03	Primary	09/12/89	-129 U ± 117	Unfiltered		UST
RD-05B	Primary	09/10/89	-10.3 U ± 128	Unfiltered		UST
RD-05B	Split	09/10/89	<1000 U	Unfiltered		TMA
RD-05B	Primary	09/10/91	144 U ± 202	Unfiltered		IT
RD-06	Primary	09/10/89	-44.0 U ± 126	Unfiltered		UST
RD-06	Split	09/10/89	<1000 U	Unfiltered		TMA
RD-06	Primary	03/06/91	83.1 U ± 193	Unfiltered		IT
RD-06	Primary	09/10/91	58.6 U ± 197	Unfiltered		IT
RD-06	Primary	03/10/92	<500 U	Unfiltered		CEP
RD-06	Primary	08/06/95	23.5 ± 5.9	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-07	Primary	09/11/89	-101 U ± 128	Unfiltered		UST
RD-07	Split	09/11/89	<1000 U	Unfiltered		TMA
RD-07	Primary	12/05/90	-8.63 U ± 201	Unfiltered		IT
RD-07	Primary	03/09/91	32.3 U ± 192	Unfiltered		IT
RD-07	Primary	12/07/91	68.4 U ± 215	Unfiltered		IT
RD-07	Primary	03/06/92	<500 U	Unfiltered		CEP
RD-07	Primary	03/07/93	342 U ± 429	Unfiltered		CEP
RD-07	Primary	02/27/94	100 U ± 160	Unfiltered		LAS
RD-07	Primary	08/09/94	-10 U ± 140	Unfiltered		LAS
RD-07	Primary	02/09/95	90 U ± 200	Unfiltered		LAS
RD-07	Dup	02/09/95	-30 U ± 190	Unfiltered		LAS
RD-07	Primary	08/04/95	-10 U ± 210	Unfiltered		LAS
RD-07	Primary	02/07/96	30 U ± 160	Unfiltered		LAS
RD-07	Primary	08/18/96	-40 U ± 110	Unfiltered		LAS
RD-07	Primary	02/25/97	60 U ± 120	Unfiltered		LAS
RD-07	Primary	08/25/97	-9 U ± 99	Unfiltered		LAS
RD-07	Primary	02/05/98	16.4 U ± 120	Unfiltered		TN
RD-07	Primary	08/05/98	-48.2 U ± 130	Unfiltered		TN
RD-07	Primary	02/06/99	59.3 U ± 100	Unfiltered		TN
RD-07	Primary	08/19/99	-18.1 U ± 96	Unfiltered		TN
RD-07	Primary	03/16/00	-21.1 U ± 110	Unfiltered		TR
RD-07	Primary	08/10/00	-33.0 U ± 130	Unfiltered		TR
RD-07	Primary	02/23/01	51.2 U ± 130	Unfiltered		ES
RD-07	Primary	11/07/01	0.00 U ± 77	Unfiltered		DL
RD-07	Primary	02/22/02	0.00 U ± 200	Unfiltered		DL
RD-07(Z13)	Primary	08/20/02	-10.6 U ± 120	Unfiltered		ES
RD-07(Z3)	Primary	02/10/03	0 U ± 110	Unfiltered		ES
RD-07(Z13)	Primary	08/28/03	-37.4 U ± 110	Unfiltered		ES
RD-07(Z4)	Primary	08/25/04	-65.3 U ± 100	Unfiltered		ES
RD-07(Z5)	Primary	08/25/04	-82.0 U ± 97	Unfiltered		ES
RD-07(Z6)	Primary	08/25/04	-44.7 U ± 99	Unfiltered		ES
RD-07(Z7)	Primary	08/25/04	22.0 U ± 100	Unfiltered		ES
RD-07(Z8)	Primary	08/25/04	-88.0 U ± 98	Unfiltered		ES
RD-07(Z9)	Primary	08/25/04	-14.8 U ± 100	Unfiltered		ES
RD-07(Z10)	Primary	08/25/04	-86.0 U ± 100	Unfiltered		ES

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-07(Z11)	Primary	08/25/04	-79.4 U ± 98	Unfiltered		ES
RD-07(Z12)	Primary	08/25/04	-41.8 U ± 100	Unfiltered		ES
RD-07(Z13)	Primary	08/25/04	-35.4 U ± 100	Unfiltered		ES
RD-07(Z3)	Primary	02/17/05	41.8 U ± 150	Unfiltered		ES
RD-07(Z3)	Primary	08/31/05	23.6 U ± 160	Unfiltered		ES
RD-07(Z3)	Primary	02/16/06	59.0 U ± 90	Unfiltered		ES
RD-07(Z3)	Primary	08/16/06	-24.7U ± 95	Unfiltered		ES
RD-08	Primary	09/11/89	-136 U ± 126	Unfiltered		UST
RD-08	Split	09/11/89	<1000 U	Unfiltered		TMA
RD-10	Primary	09/10/89	-72.1 U ± 125	Unfiltered		UST
RD-10	Split	09/10/89	<1000 U	Unfiltered		TMA
RD-10	Primary	03/06/91	21.2 U ± 190	Unfiltered		IT
RD-10	Primary	03/07/92	<500 U	Unfiltered		CEP
RD-13	Primary	09/10/89	<1000 U	Unfiltered		TMA
RD-13	Primary	09/12/89	-167 U ± 115	Unfiltered		UST
RD-13	Primary	10/17/89	-88.1 U ± 229	Unfiltered		UST
RD-13	Primary	12/06/90	-28.8 U ± 197	Unfiltered		IT
RD-13	Primary	03/08/91	-33.32 U ± 189	Unfiltered		IT
RD-13	Primary	12/10/91	-65.4 U ± 214	Unfiltered		IT
RD-13	Primary	03/12/92	<500 U	Unfiltered		CEP
RD-13	Primary	03/08/93	63 U ± 327	Unfiltered		CEP
RD-13	Primary	08/08/95	7.1 U ± 6.6	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-13	Primary	08/26/97	-60 U ± 92	Unfiltered		LAS
RD-14	Primary	10/18/89	-157 U ± 226	Unfiltered		UST
RD-14	Dup	10/18/89	161 U ± 202	Unfiltered		UST
RD-14	Primary	12/07/90	2.77 U ± 195	Unfiltered		IT
RD-14	Primary	03/09/91	26.8 U ± 191	Unfiltered		IT
RD-14	Primary	12/06/91	-90.6 U ± 206	Unfiltered		IT
RD-14	Primary	03/05/92	<500 U	Unfiltered		CEP
RD-14	Primary	03/07/93	475 U ± 499	Unfiltered		CEP
RD-14	Primary	02/24/94	50 U ± 150	Unfiltered		LAS
RD-14	Primary	02/08/95	-50 U ± 190	Unfiltered		LAS
RD-14	Primary	02/16/96	-130 U ± 170	Unfiltered		LAS
RD-14	Primary	02/07/97	40 U ± 120	Unfiltered		LAS
RD-15	Primary	12/07/90	49.9 U ± 198	Unfiltered		IT
RD-15	Primary	03/10/91	85.5 U ± 186	Unfiltered		IT
RD-15	Primary	12/06/91	-26.8 U ± 210	Unfiltered		IT
RD-15	Primary	03/11/92	<500 U	Unfiltered		CEP
RD-15	Split	03/11/92	<100 U	Unfiltered		TEL
RD-15	Primary	05/10/01	75.2 U ± 120	Unfiltered		ES
RD-15	Primary	03/06/02	0 U ± 78	Unfiltered		DL
RD-15	Primary	02/26/03	68.7 U ± 120	Unfiltered		ES
RD-15	Primary	02/24/04	-52.6 U ± 110	Unfiltered		ES
RD-15	Primary	08/09/04	0.984 J ± 0.21	Unfiltered		ES
RD-15	Primary	02/14/05	-15.0 U ± 120	Unfiltered		ES
RD-15	Primary	02/16/06	81.2 U ± 100	Unfiltered		ES
RD-15	Split	02/16/06	29.5 U ± 154	Unfiltered		STL

See last page of Table E-II for notes and abbreviations.

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RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-16	Primary	10/25/89	176 U ± 222	Unfiltered		UST
RD-16	Primary	12/07/90	56.3 U ± 198	Unfiltered		IT
RD-16	Primary	03/09/91	98.1 U ± 187	Unfiltered		IT
RD-16	Primary	12/05/91	67.4 U ± 219	Unfiltered		IT
RD-16	Primary	06/06/92	564 ± 529	Unfiltered		CEP
RD-16	Primary	05/27/98	-160 U ± 120	Unfiltered		TN
RD-17	Primary	10/18/89	77.8 U ± 243	Unfiltered		UST
RD-17	Dup	10/18/89	14.1 U ± 194	Unfiltered		UST
RD-17	Primary	12/04/90	108 U ± 199	Unfiltered		IT
RD-17	Primary	03/05/91	1.85 U ± 189	Unfiltered		IT
RD-17	Primary	12/07/91	-44.4 U ± 209	Unfiltered		IT
RD-17	Split	12/07/91	<500 U	Unfiltered		CEP
RD-17	Primary	03/04/92	-98 U ± 498	Unfiltered		CEP
RD-17	Primary	03/05/93	160 U ± 300	Unfiltered		CEP
RD-17	Primary	02/26/94	-70 U ± 130	Unfiltered		LAS
RD-17	Primary	02/08/95	-10 U ± 200	Unfiltered		LAS
RD-17	Primary	02/04/96	-30 U ± 150	Unfiltered		LAS
RD-17	Primary	02/08/97	10 U ± 120	Unfiltered		LAS
RD-17	Primary	02/04/98	-80.3 U ± 110	Unfiltered		TN
RD-17	Primary	02/08/99	-13.1 U ± 120	Unfiltered		TN
RD-17	Primary	02/21/00	62.8 U ± 120	Unfiltered		TR
RD-17	Primary	02/14/01	71.9 U ± 120	Unfiltered		ES
RD-17	Primary	03/01/02	264 U ± 58	Unfiltered		DL
RD-17	Primary	02/24/03	-52.5 U ± 110	Unfiltered		ES
RD-17	Primary	02/23/04	-21.8 U ± 110	Unfiltered		ES
RD-17	Primary	02/15/05	-1.87 U ± 120	Unfiltered		ES
RD-17	Primary	02/16/06	87.6 U ± 100	Unfiltered		ES
RD-18	Primary	10/26/89	53.6 U ± 215	Unfiltered		UST
RD-18	Primary	12/08/90	26.8 U ± 195	Unfiltered		IT
RD-18	Primary	03/09/91	201 ± 192	Unfiltered		IT
RD-18	Primary	12/11/91	-18.3 U ± 217	Unfiltered		IT
RD-18	Primary	03/12/92	<500 U	Unfiltered		CEP
RD-18	Primary	02/22/94	40 U ± 150	Unfiltered		LAS
RD-18	Primary	02/17/95	-90 U ± 170	Unfiltered		LAS
RD-18	Primary	02/05/96	20 U ± 160	Unfiltered		LAS
RD-18	Primary	02/06/97	100 ± 60	Unfiltered		LAS
RD-18	Primary	02/06/98	13.7 U ± 110	Unfiltered		TN
RD-19	Primary	10/26/89	27.3 U ± 214	Unfiltered		UST
RD-19	Primary	12/08/90	-20.3 U ± 193	Unfiltered		IT
RD-19	Primary	03/08/91	11.5 U ± 182	Unfiltered		IT
RD-19	Dup	03/08/91	225 ± 193	Unfiltered		IT
RD-19	Primary	12/11/91	-22.1 U ± 217	Unfiltered		IT
RD-19	Primary	03/12/92	<500 U	Unfiltered		CEP
RD-19	Primary	03/08/93	262 U ± 499	Unfiltered		CEP
RD-19	Primary	02/26/94	-80 U ± 130	Unfiltered		LAS
RD-19	Primary	02/15/95	-40 U ± 180	Unfiltered		LAS
RD-19	Primary	02/06/96	-40 U ± 150	Unfiltered		LAS
RD-19	Primary	02/07/97	-60 U ± 100	Unfiltered		LAS
RD-19	Primary	02/06/98	49.9 U ± 120	Unfiltered		TN

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-20	Primary	10/17/89	-72.1 ± 230	Unfiltered		UST
RD-20	Primary	12/07/90	49.9 U ± 197	Unfiltered		IT
RD-20	Primary	12/10/90	26.8 U ± 192	Unfiltered		IT
RD-20	Primary	03/05/91	132 U ± 196	Unfiltered		IT
RD-20	Primary	12/10/91	20.2 U ± 219	Unfiltered		IT
RD-20	Primary	03/04/92	-274 U ± 486	Unfiltered		CEP
RD-20	Primary	02/22/94	-120 U ± 120	Unfiltered		LAS
RD-20	Primary	02/16/95	-40 U ± 180	Unfiltered		LAS
RD-20	Dup	02/16/95	-50 U ± 180	Unfiltered		LAS
RD-20	Primary	02/04/96	-110 U ± 150	Unfiltered		LAS
RD-20	Primary	02/08/97	30 U ± 120	Unfiltered		LAS
RD-20	Primary	02/04/98	-16.4 U ± 120	Unfiltered		TN
RD-21	Primary	10/20/89	-100 U ± 229	Unfiltered		UST
RD-21	Dup	10/20/89	35.7 U ± 194	Unfiltered		UST
RD-21	Primary	12/03/90	182 U ± 202	Unfiltered		IT
RD-21	Primary	03/08/91	119 U ± 188	Unfiltered		IT
RD-21	Primary	12/05/91	184 U ± 225	Unfiltered		IT
RD-21	Primary	03/04/92	-256 U ± 497	Unfiltered		CEP
RD-21	Primary	03/06/93	314 U ± 335	Unfiltered		CEP
RD-21	Primary	06/22/93	-570 U ± 500	Unfiltered		CEP
RD-21	Primary	08/06/93	560 ± 510	Unfiltered		CEP
RD-21	Primary	11/06/93	0.000 U ± 120	Unfiltered		LAS
RD-21	Primary	02/25/94	50 U ± 150	Unfiltered		LAS
RD-21	Primary	08/08/94	-150 U ± 110	Unfiltered		LAS
RD-21	Primary	02/08/95	40 U ± 210	Unfiltered		LAS
RD-21	Primary	08/31/95	-60 U ± 220	Unfiltered		LAS
RD-21	Primary	02/16/96	-110 U ± 170	Unfiltered		LAS
RD-21	Primary	08/18/96	-40 U ± 110	Unfiltered		LAS
RD-21	Primary	02/06/97	117 ± 61	Unfiltered		LAS
RD-21	Primary	02/09/98	13.7 U ± 110	Unfiltered		TN
RD-21	Primary	02/16/99	0 U ± 120	Unfiltered		TN
RD-21	Primary	03/15/00	25.0 U ± 110	Unfiltered		TR
RD-21	Primary	10/24/01	0.00 U ± 106	Unfiltered		DL
RD-21	Primary	03/06/02	0.00 U ± 77	Unfiltered		DL
RD-21(Z2)	Primary	02/25/03	86.9 U ± 120	Unfiltered		ES
RD-21(Z2)	Primary	11/04/04	51.1 U ± 96	Unfiltered		ES
RD-21(Z2)	Primary	02/16/05	-3.49 U ± 150	Unfiltered		ES
RD-21(Z2)	Primary	02/16/06	85.1 U ± 110	Unfiltered		ES
RD-22	Primary	10/19/89	-47.9 U ± 189	Unfiltered		UST
RD-22	Primary	12/04/90	41.3 U ± 195	Unfiltered		IT
RD-22	Dup	12/04/90	116 U ± 198	Unfiltered		IT
RD-22	Primary	03/11/91	-90.5 U ± 186	Unfiltered		IT
RD-22	Primary	12/06/91	-26.8 U ± 210	Unfiltered		IT
RD-22	Primary	06/05/92	75 U ± 517	Unfiltered		CEP
RD-22	Primary	03/20/93	-627 U ± 490	Unfiltered		CEP
RD-22	Primary	06/22/93	118 U ± 500	Unfiltered		CEP
RD-22	Primary	08/05/93	440 U ± 500	Unfiltered		CEP
RD-22	Primary	11/21/93	-100 U ± 110	Unfiltered		LAS
RD-22	Primary	02/24/94	70 U ± 150	Unfiltered		LAS

See last page of Table E-II for notes and abbreviations.

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RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-22	Primary	08/09/94	20 U ± 140	Unfiltered		LAS
RD-22	Primary	02/17/95	-20 U ± 180	Unfiltered		LAS
RD-22	Primary	08/29/95	100 U ± 240	Unfiltered		LAS
RD-22	Primary	02/16/96	20 U ± 190	Unfiltered		LAS
RD-22	Primary	08/18/96	-20 U ± 110	Unfiltered		LAS
RD-22	Primary	02/26/97	140 U ± 130	Unfiltered		LAS
RD-22	Primary	05/28/98	43.7 U ± 110	Unfiltered		TN
RD-22	Primary	02/17/99	41.5 U ± 120	Unfiltered		TN
RD-22	Primary	02/06/00	-139 U ± 120	Unfiltered		TR
RD-22	Primary	02/16/01	-6.18 U ± 120	Unfiltered		ES
RD-22	Primary	02/20/02	228 U ± 80	Unfiltered		DL
RD-22(Z2)	Primary	02/24/03	16.5 U ± 110	Unfiltered		ES
RD-22(Z2)	Primary	11/12/04	-24.9 ± 130	Unfiltered		ES
RD-22(Z2)	Primary	02/17/05	-24.2 U ± 150	Unfiltered		ES
RD-22(Z2)	Primary	08/31/05	50.9 U ± 160	Unfiltered		ES
RD-22(Z2)	Primary	02/15/06	40.4 U ± 99	Unfiltered		ES
RD-23	Primary	10/20/89	589 ± 267	Unfiltered		UST
RD-23	Primary	06/29/90	129 U ± 218	Unfiltered		UST
RD-23	Primary	12/05/90	88.3 U ± 206	Unfiltered		IT
RD-23	Primary	03/11/91	106 U ± 195	Unfiltered		IT
RD-23	Dup	03/11/91	64.7 U ± 193	Unfiltered		IT
RD-23	Primary	12/05/91	256 ± 229	Unfiltered		IT
RD-23	Primary	03/04/92	-66 U ± 517	Unfiltered		CEP
RD-23	Primary	03/21/93	455 ± 499	Unfiltered		CEP
RD-23	Primary	06/23/93	1574 ± 702	Unfiltered		CEP
RD-23	Reanalysis of Primary	06/23/93	672 U ± 735	Unfiltered		CEP
RD-23	Primary	08/06/93	1108 ± 514	Unfiltered		CEP
RD-23	Reanalysis of Primary	08/06/93	406 U ± 500	Unfiltered		CEP
RD-23	Primary	02/25/94	850 ± 250	Unfiltered		CEP
RD-23	Primary	08/08/94	500 ± 210	Unfiltered		LAS
RD-23	Primary	11/22/94	630 ± 250	Unfiltered	MDA unavailable.	LAS
RD-23	Primary	02/05/95	340 ± 230	Unfiltered		LAS
RD-23	Primary	08/03/95	400 ± 250	Unfiltered		LAS
RD-23	Primary	02/16/96	430 ± 210	Unfiltered		LAS
RD-23	Primary	08/18/96	450 ± 180	Unfiltered		LAS
RD-23	Primary	02/27/97	350 ± 150	Unfiltered		LAS
RD-23	Primary	02/07/98	234 ± 120	Unfiltered		TN
RD-23	Primary	02/08/99	294 ± 130	Unfiltered		TN
RD-23	Primary	02/05/00	64.4 U ± 120	Unfiltered		TR
RD-23	Primary	10/25/01	46 U ± 108	Unfiltered		DL
RD-23	Primary	03/01/02	304 U ± 59	Unfiltered		DL
RD-23(Z1)	Primary	02/26/03	116 U ± 120	Unfiltered		ES
RD-23(Z2)	Primary	11/03/04	-29.3 U ± 93	Unfiltered		ES
RD-23(Z2)	Primary	02/14/05	0 U ± 150	Unfiltered		ES
RD-23(Z3)	Primary	02/17/06	148 U ± 94	Unfiltered		ES
RD-24	Primary	09/12/89	-22 U ± 122	Unfiltered		UST
RD-24	Dup	09/12/89	<1000 U	Unfiltered		TMA
RD-24	Primary	10/17/89	-89.0 U ± 229	Unfiltered		UST
RD-24	Primary	12/05/90	37.4 U ± 204	Unfiltered		IT

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-24	Primary	03/06/91	158 U ± 197	Unfiltered		IT
RD-24	Primary	12/11/91	-33.7 U ± 216	Unfiltered		IT
RD-24	Primary	03/06/92	<500 U	Unfiltered		CEP
RD-24	Primary	02/23/94	230 U ± 180	Unfiltered		LAS
RD-24	Primary	08/08/94	80 U ± 150	Unfiltered		LAS
RD-24	Primary	02/16/95	320 ± 220	Unfiltered		LAS
RD-24	Primary	08/10/95	170 U ± 230	Unfiltered		LAS
RD-24	Primary	02/07/96	400 ± 190	Unfiltered		LAS
RD-24	Primary	08/07/96	320 ± 160	Unfiltered		LAS
RD-24	Primary	02/07/97	500 ± 180	Unfiltered		LAS
RD-24	Primary	08/04/97	390 ± 160	Unfiltered		LAS
RD-24	Primary	02/18/98	358 ± 130	Unfiltered		TN
RD-24	Primary	05/05/98	161 U ± 130	Unfiltered		TN
RD-24	Primary	08/04/98	299 ± 140	Unfiltered		TN
RD-24	Primary	02/02/99	220 ± 120	Unfiltered		TN
RD-24	Primary	08/11/99	401 ± 110	Unfiltered		TN
RD-24	Primary	02/03/00	317 ± 130	Unfiltered		TR
RD-24	Primary	08/04/00	267 ± 140	Unfiltered		TR
RD-24	Primary	02/06/01	245 ± 110	Unfiltered		ES
RD-24	Primary	10/25/01	493 ± 113	Unfiltered		DL
RD-24	Primary	02/25/02	285 U ± 58	Unfiltered		DL
RD-24	Primary	11/06/02	162 U ± 110	Unfiltered		ES
RD-24	Primary	02/12/03	257 ± 120	Unfiltered		ES
RD-24	Primary	11/14/03	185 U ± 120	Unfiltered		ES
RD-24	Split	11/14/03	237 ± 65	Unfiltered		STL
RD-24	Primary	02/23/04	65 U ± 110	Unfiltered		ES
RD-24	Primary	08/26/04	140 U ± 110	Unfiltered		ES
RD-24	Primary	02/24/05	260 ± 120	Unfiltered		ES
RD-24	Primary	09/06/05	140 U ± 110	Unfiltered		ES
RD-24	Primary	02/15/06	187 J ± 100	Unfiltered		ES
RD-24	Primary	08/10/06	47.4U ± 97	Unfiltered		ES
RD-25	Primary	09/12/89	-162 U ± 116	Unfiltered		UST
RD-25	Dup	09/12/89	<1000 U	Unfiltered		TMA
RD-25	Split	09/12/89	<1000 U	Unfiltered		TMA
RD-25	Primary	10/20/89	-99.3 U ± 229	Unfiltered		UST
RD-25	Primary	12/05/90	17.3 U ± 202	Unfiltered		IT
RD-25	Primary	03/06/91	-45.3 U ± 187	Unfiltered		IT
RD-25	Primary	12/10/91	93.3 U ± 222	Unfiltered		IT
RD-25	Primary	03/06/92	<500 U	Unfiltered		CEP
RD-25	Primary	03/17/93	257 U ± 427	Unfiltered		CEP
RD-25	Primary	02/28/94	-40 U ± 130	Unfiltered		LAS
RD-25	Primary	08/17/94	-30 U ± 130	Unfiltered		LAS
RD-25	Primary	02/09/95	-40 U ± 190	Unfiltered		LAS
RD-25	Primary	08/18/95	-100 U ± 200	Unfiltered		LAS
RD-25	Primary	02/06/96	-20 U ± 150	Unfiltered		LAS
RD-25	Primary	08/20/96	50 U ± 120	Unfiltered		LAS
RD-25	Primary	02/07/97	240 ± 150	Unfiltered		LAS
RD-25	Primary	08/21/97	-30 U ± 110	Unfiltered		LAS
RD-25	Primary	02/05/98	-59.0 U ± 110	Unfiltered		TN

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-25	Primary	08/18/98	-66.5 U ± 120	Unfiltered		TN
RD-25	Primary	02/16/99	81.0 U ± 120	Unfiltered		TN
RD-25	Primary	08/19/99	-20.3 U ± 98	Unfiltered		TN
RD-25	Primary	02/16/00	23.4 U ± 110	Unfiltered		TR
RD-25	Primary	08/09/00	3.69 U ± 130	Unfiltered		TR
RD-25	Primary	02/07/01	-48.4 U ± 98	Unfiltered		ES
RD-25	Primary	10/25/01	0.00 U ± 78	Unfiltered		DL
RD-25	Primary	03/07/02	0.00 U ± 78	Unfiltered		DL
RD-25	Primary	11/06/02	-95.2 U ± 100	Unfiltered		ES
RD-25	Primary	02/24/03	-31.8 U ± 110	Unfiltered		ES
RD-25	Primary	11/13/03	9.52 U ± 120	Unfiltered		ES
RD-25	Primary	02/23/04	259 ± 120	Unfiltered		ES
RD-25	Split	02/23/04	244 ± 72.2	Unfiltered		ES
RD-26	Primary	10/20/89	45.9 U ± 237	Unfiltered		UST
RD-26	Primary	12/04/90	209 ± 204	Unfiltered		IT
RD-26	Primary	03/07/91	110 U ± 187	Unfiltered		IT
RD-26	Primary	03/11/92	<500 U	Unfiltered		CEP
RD-27	Primary	10/19/89	2.82 U ± 193	Unfiltered		UST
RD-27	Primary	12/04/90	90.2 U ± 197	Unfiltered		IT
RD-27	Primary	03/07/91	27.9 U ± 183	Unfiltered		IT
RD-27	Primary	12/06/91	-48.1 U ± 209	Unfiltered		IT
RD-27	Primary	03/09/92	<500 U	Unfiltered		CEP
RD-27	Primary	03/08/93	293 U ± 322	Unfiltered		CEP
RD-27	Primary	08/09/93	324 U ± 500	Unfiltered		CEP
RD-27	Primary	02/28/94	0 U ± 140	Unfiltered		LAS
RD-27	Primary	08/18/94	-110 U ± 120	Unfiltered		LAS
RD-27	Primary	02/17/95	-60 U ± 180	Unfiltered		LAS
RD-27	Primary	08/18/95	80 U ± 220	Unfiltered		LAS
RD-27	Primary	02/05/96	-30 U ± 150	Unfiltered		LAS
RD-27	Primary	08/19/96	240 ± 150	Unfiltered		LAS
RD-27	Primary	02/05/97	87 U ± 58	Unfiltered		LAS
RD-27	Primary	08/27/97	-16 U ± 98	Unfiltered		LAS
RD-27	Primary	02/04/98	11.4 U ± 120	Unfiltered		TN
RD-27	Primary	08/07/98	-83.9 U ± 130	Unfiltered		TN
RD-27	Primary	02/16/99	3.33 U ± 120	Unfiltered		TN
RD-27	Primary	08/17/99	-48.0 U ± 94	Unfiltered		TN
RD-27	Primary	02/21/00	31.2 U ± 110	Unfiltered		TR
RD-27	Primary	08/04/00	73.6 U ± 130	Unfiltered		TR
RD-27	Primary	02/14/01	8.32 U ± 120	Unfiltered		ES
RD-27	Primary	10/26/01	30 U ± 107	Unfiltered		DL
RD-27	Primary	03/06/02	0 U ± 77	Unfiltered		DL
RD-27	Primary	08/22/02	-24.9 U ± 120	Unfiltered		ES
RD-27	Primary	02/21/03	29.8 U ± 110	Unfiltered		ES
RD-27	Primary	11/14/03	-11.2 U ± 110	Unfiltered		ES
RD-27	Split	11/14/03	9.54 U ± 48.9	Unfiltered		STL
RD-27	Primary	02/23/04	43.1 U ± 110	Unfiltered		ES
RD-27	Primary	08/10/04	-27.9 U ± 94	Unfiltered		ES
RD-27	Primary	02/17/05	-56.1 U ± 120	Unfiltered		ES
RD-27	Primary	08/24/05	3.69 U ± 150	Unfiltered		ES

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-27	Primary	02/20/06	-6.14 U ± 99	Unfiltered		ES
RD-27	Primary	08/25/06	-14.2U ± 100	Unfiltered		ES
RD-28	Primary	09/13/89	665 ± 149	Unfiltered		UST
RD-28	Split	09/13/89	<1000 U	Unfiltered		TMA
RD-28	Primary	10/19/89	699 ± 234	Unfiltered		UST
RD-28	Primary	03/27/90	819 ± 236	Unfiltered		UST
RD-28	Primary	07/01/90	612 ± 244	Unfiltered		UST
RD-28	Primary	09/16/90	814 ± 242	Unfiltered		UST
RD-28	Dup	09/16/90	839 ± 242	Unfiltered		UST
RD-28	Primary	12/05/90	567 ± 232	Unfiltered		IT
RD-28	Primary	03/06/91	638 ± 223	Unfiltered		IT
RD-28	Primary	06/10/91	431 ± 227	Unfiltered		IT
RD-28	Primary	09/11/91	620 ± 247	Unfiltered		IT
RD-28	Primary	12/10/91	575 ± 250	Unfiltered		IT
RD-28	Split	12/10/91	<500 U	Unfiltered		CEP
RD-28	Primary	03/06/92	420 ± 110	Unfiltered		TEL
RD-28	Split	03/06/92	<500 U	Unfiltered		CEP
RD-28	Primary	06/10/92	1025 ± 505	Unfiltered		CEP
RD-28	Split	06/10/92	540 ± 120	Unfiltered		TEL
RD-28	Primary	09/16/92	300 U ± 500	Unfiltered		CEP
RD-28	Split	09/16/92	450 ± 290	Unfiltered		BL
RD-28	Primary	12/07/92	465 U ± 500	Unfiltered		CEP
RD-28	Primary	03/17/93	0 U ± 490	Unfiltered		CEP
RD-28	Primary	08/05/93	1684 ± 522	Unfiltered		CEP
RD-28	Reanalysis of Primary	08/05/93	369 U ± 500	Unfiltered		CEP
RD-28	Primary	02/24/94	490 ± 210	Unfiltered		LAS
RD-28	Primary	08/17/94	870 ± 240	Unfiltered		LAS
RD-28	Primary	02/09/95	380 ± 230	Unfiltered		LAS
RD-28	Primary	08/18/95	680 ± 280	Unfiltered		LAS
RD-28	Primary	02/06/96	430 ± 190	Unfiltered		LAS
RD-28	Primary	08/20/96	450 ± 170	Unfiltered		LAS
RD-28	Primary	02/06/97	496 ± 83	Unfiltered		LAS
RD-28	Primary	08/28/97	320 ± 140	Unfiltered		LAS
RD-28	Primary	02/05/98	267 ± 130	Unfiltered		TN
RD-28	Primary	08/18/98	50.6 U ± 130	Unfiltered		TN
RD-28	Primary	02/16/99	55.3 U ± 120	Unfiltered		TN
RD-28	Primary	11/03/99	-50 U ± 98	Unfiltered		TN
RD-28	Primary	02/16/00	744 ± 140	Unfiltered		TR
RD-28	Primary	08/09/00	916 ± 150	Unfiltered		TR
RD-28	Primary	02/07/01	1100 ± 130	Unfiltered		ES
RD-28	Primary	10/25/01	0.00 U ± 100	Unfiltered		DL
RD-28	Primary	02/25/02	324 U ± 63	Unfiltered		DL
RD-28	Primary	11/06/02	1280 ± 140	Unfiltered		ES
RD-28	Primary	02/24/03	756 ± 130	Unfiltered		ES
RD-28	Primary	11/14/03	1430 ± 210	Unfiltered		ES
RD-28	Primary	02/23/04	1120 ± 180	Unfiltered		ES
RD-28	Split	02/23/04	1120 ± 131	Unfiltered		STL
RD-29	Primary	10/18/89	-101 U ± 230	Unfiltered		UST
RD-29	Primary	12/06/90	55.7 U ± 201	Unfiltered		IT

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-29	Primary	03/05/91	105 U ± 194	Unfiltered		IT
RD-29	Primary	12/10/91	89.5 U ± 222	Unfiltered		IT
RD-29	Split	12/10/91	<500 U	Unfiltered		CEP
RD-29	Primary	03/03/92	-447 U ± 520	Unfiltered		CEP
RD-29	Primary	03/05/93	366 U ± 499	Unfiltered		CEP
RD-29	Primary	08/08/93	345 U ± 500	Unfiltered		CEP
RD-29	Primary	02/26/94	70 U ± 150	Unfiltered		LAS
RD-29	Primary	08/17/94	10 U ± 260	Unfiltered		LAS
RD-29	Primary	05/09/01	19.0 U ± 120	Unfiltered		ES
RD-29	Primary	05/03/02	56 U ± 118	Unfiltered		DL
RD-29	Primary	05/13/03	-12.4 U ± 100	Unfiltered		ES
RD-29	Primary	02/24/04	-120 U ± 110	Unfiltered		ES
RD-29	Primary	02/24/05	57.1 U ± 110	Unfiltered		ES
RD-29	Primary	08/25/05	-475 U ± 850	Unfiltered		ES
RD-29	Primary	02/16/06	58.6 U ± 100	Unfiltered		ES
RD-30	Primary	10/19/89	108 U ± 199	Unfiltered		UST
RD-30	Primary	12/06/90	34.6 U ± 200	Unfiltered		IT
RD-30	Primary	03/09/91	89.6 U ± 195	Unfiltered		IT
RD-30	Primary	09/09/91	20.3 U ± 199	Unfiltered		IT
RD-30	Primary	12/06/91	28.7 U ± 213	Unfiltered		IT
RD-30	Primary	06/03/92	-76 U ± 518	Unfiltered		CEP
RD-30	Split	06/03/92	<200 U	Unfiltered		TEL
RD-30	Primary	03/21/93	-686 U ± 499	Unfiltered		CEP
RD-30	Primary	02/26/94	70 U ± 150	Unfiltered		LAS
RD-30	Primary	08/09/94	-30 U ± 130	Unfiltered		LAS
RD-30	Primary	02/08/95	10 U ± 200	Unfiltered		LAS
RD-30	Primary	08/19/95	30 U ± 220	Unfiltered		LAS
RD-30	Primary	02/28/96	-40 U ± 180	Unfiltered		LAS
RD-30	Primary	08/20/96	40 U ± 120	Unfiltered		LAS
RD-30	Primary	02/25/97	40 U ± 110	Unfiltered		LAS
RD-30	Primary	08/27/97	50 U ± 110	Unfiltered		LAS
RD-30	Primary	05/28/98	78.6 U ± 110	Unfiltered		TN
RD-30	Primary	08/05/98	-85.0 U ± 130	Unfiltered		TN
RD-30	Primary	02/05/99	38.5 U ± 99	Unfiltered		TN
RD-30	Primary	05/05/00	-0.880 U ± 12	Unfiltered		TR
RD-30	Primary	08/08/00	19.7 U ± 130	Unfiltered		TR
RD-30	Primary	05/09/01	72.5 U ± 120	Unfiltered		ES
RD-30	Primary	11/09/01	136 U ± 104	Unfiltered		DL
RD-30	Primary	03/11/02	264 S ± 82	Unfiltered	Suspect result.	DL
RD-30	Primary	08/30/02	52.6 U ± 120	Unfiltered		ES
RD-30	Primary	02/07/03	83.8 U ± 110	Unfiltered		ES
RD-30	Primary	11/14/03	-76.9 U ± 110	Unfiltered		ES
RD-30	Primary	02/24/04	-93.7 U ± 110	Unfiltered		ES
RD-30	Primary	08/10/04	-56.8 U ± 92	Unfiltered		ES
RD-30	Primary	08/29/05	-27.6 U ± 150	Unfiltered		ES
RD-30	Split	08/29/05	-13.3 U ± 72.6	Unfiltered		STL
RD-30	Primary	02/17/06	90.0 U ± 89	Unfiltered		ES
RD-30	Primary	08/09/06	0 U ± 97	Unfiltered		ES
RD-30	Split	08/09/06	172 J ± 90	Unfiltered		STL

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-31	Primary	10/24/89	188 U ± 227	Unfiltered		UST
RD-31	Primary	12/05/90	-56.6 U ± 198	Unfiltered		IT
RD-31	Primary	03/10/91	182 U ± 191	Unfiltered		IT
RD-31	Primary	03/05/92	<500 U	Unfiltered		CEP
RD-33A	Primary	12/05/91	97.2 U ± 221	Unfiltered		IT
RD-33A	Primary	12/12/91	-14.4 U ± 214	Unfiltered		IT
RD-33A	Split	12/12/91	<500 U	Unfiltered		CEP
RD-33A	Primary	06/08/92	335 U ± 515	Unfiltered		CEP
RD-33A	Primary	09/15/92	299 U ± 500	Unfiltered		CEP
RD-33A	Primary	12/05/92	-43 U ± 500	Unfiltered		CEP
RD-33A	Primary	06/24/93	-468 U ± 437	Unfiltered		CEP
RD-33A	Primary	08/24/93	436 U ± 500	Unfiltered		CEP
RD-33A	Primary	11/17/93	-70 U ± 120	Unfiltered		LAS
RD-33A	Primary	02/27/94	-120 U ± 120	Unfiltered		LAS
RD-33A	Primary	05/10/94	60 U ± 130	Unfiltered		LAS
RD-33A	Primary	08/18/94	-20 U ± 130	Unfiltered		LAS
RD-33A	Primary	02/07/95	-50 U ± 200	Unfiltered		LAS
RD-33A	Primary	02/07/95	4.6 U ± 5.5	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-33A	Primary	08/09/95	90 U ± 220	Unfiltered		LAS
RD-33A	Primary	02/19/96	10 U ± 180	Unfiltered		LAS
RD-33A	Primary	08/23/96	120 U ± 140	Unfiltered		LAS
RD-33A	Primary	02/25/97	120 U ± 130	Unfiltered		LAS
RD-33A	Primary	08/27/97	-78 U ± 86	Unfiltered		LAS
RD-33A	Primary	05/27/98	-125 U ± 120	Unfiltered		TN
RD-33A	Primary	08/17/98	0 U ± 130	Unfiltered		TN
RD-33A	Primary	02/03/99	-2.34 U ± 100	Unfiltered		TN
RD-33A	Primary	02/09/00	-59.1 U ± 120	Unfiltered		TR
RD-33A	Primary	05/14/01	-57.4 U ± 120	Unfiltered		ES
RD-33A	Primary	02/15/02	257 U ± 122	Unfiltered		DL
RD-33A(Z4)	Primary	01/30/03	8.31 U ± 120	Unfiltered		ES
RD-33A(Z2)	Primary	11/15/04	-56.6 U ± 130	Unfiltered		ES
RD-33A(Z3)	Primary	02/17/05	-31.7 U ± 150	Unfiltered		ES
RD-33A(Z2)	Primary	02/17/06	13.1 U ± 110	Unfiltered		ES
RD-33B	Primary	12/12/91	51.9 U ± 218	Unfiltered		IT
RD-33B	Split	12/12/91	<500 U	Unfiltered		CEP
RD-33B	Primary	06/24/92	-219 U ± 492	Unfiltered		CEP
RD-33B	Primary	09/15/92	500 ± 500	Unfiltered		CEP
RD-33B	Primary	12/05/92	4 U ± 500	Unfiltered		CEP
RD-33B	Primary	06/24/93	-346 U ± 500	Unfiltered		CEP
RD-33B	Primary	08/24/93	0 U ± 500	Unfiltered		CEP
RD-33B	Primary	11/17/93	-60 U ± 120	Unfiltered		LAS
RD-33B	Primary	02/27/94	60 U ± 150	Unfiltered		LAS
RD-33B	Primary	05/10/94	-20 U ± 120	Unfiltered		LAS
RD-33B	Primary	08/18/94	-130 U ± 120	Unfiltered		LAS
RD-33B	Primary	02/07/95	20 U ± 200	Unfiltered		LAS
RD-33B	Primary	08/09/95	-80 U ± 200	Unfiltered		LAS
RD-33B	Primary	02/19/96	-40 U ± 180	Unfiltered		LAS
RD-33B	Primary	08/23/96	-20 U ± 110	Unfiltered		LAS

See last page of Table E-II for notes and abbreviations.

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RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-33B	Primary	02/25/97	30 U ± 110	Unfiltered		LAS
RD-33B	Primary	08/22/97	-60 U ± 110	Unfiltered		LAS
RD-33B	Primary	05/27/98	-173 U ± 120	Unfiltered		TN
RD-33B	Primary	08/17/98	-22.9 U ± 120	Unfiltered		TN
RD-33B	Primary	02/03/99	-6.96 U ± 100	Unfiltered		TH
RD-33B	Primary	08/11/99	-1.67 U ± 88	Unfiltered		TN
RD-33B	Primary	05/17/00	-38.6 U ± 100	Unfiltered		TR
RD-33B	Primary	08/09/00	64.1 U ± 130	Unfiltered		TR
RD-33B	Primary	02/17/01	-67.1 U ± 120	Unfiltered		ES
RD-33B	Primary	10/30/01	0.00 U ± 80	Unfiltered		DL
RD-33B	Primary	02/15/02	0.00 U ± 118	Unfiltered		DL
RD-33B	Primary	08/21/02	-56.4 U ± 120	Unfiltered		ES
RD-33B	Primary	02/11/03	87.7 U ± 120	Unfiltered		ES
RD-33B	Primary	11/13/03	52.0 U ± 120	Unfiltered		ES
RD-33B	Primary	11/04/04	26.5 U ± 95	Unfiltered		ES
RD-33B	Primary	02/17/05	193 U ± 120	Unfiltered		ES
RD-33B	Split	02/17/05	-10.7 U ± 85.4	Unfiltered		STL
RD-33B	Primary	08/22/05	85.4 U ± 160	Unfiltered		ES
RD-33B	Split	08/22/05	51.1 U ± 68.5	Unfiltered		STL
RD-33B	Primary	02/16/06	14.4 U ± 95	Unfiltered		ES
RD-33B	Primary	08/09/06	-97.3 U ± 93	Unfiltered		ES
RD-33B	Split	08/09/06	-96.9 ± 78	Unfiltered		STL
RD-33C	Primary	12/05/91	68.3 U ± 219	Unfiltered		IT
RD-33C	Primary	12/12/91	-21.1 U ± 214	Unfiltered		IT
RD-33C	Split	12/12/91	<500 U	Unfiltered		CEP
RD-33C	Primary	06/08/92	368 U ± 518	Unfiltered		CEP
RD-33C	Primary	09/15/92	241 U ± 500	Unfiltered		CEP
RD-33C	Primary	12/05/92	-215 U ± 500	Unfiltered		CEP
RD-33C	Primary	06/24/93	-280 U ± 500	Unfiltered		CEP
RD-33C	Primary	08/24/93	159 U ± 500	Unfiltered		CEP
RD-33C	Primary	11/17/93	30 U ± 130	Unfiltered		LAS
RD-33C	Primary	02/27/94	0 U ± 140	Unfiltered		LAS
RD-33C	Primary	05/09/94	-20 U ± 120	Unfiltered		LAS
RD-33C	Primary	08/17/94	-40 U ± 130	Unfiltered		LAS
RD-33C	Primary	02/07/95	-10 U ± 200	Unfiltered		LAS
RD-33C	Primary	08/09/95	0 U ± 210	Unfiltered		LAS
RD-33C	Primary	02/19/96	40 U ± 190	Unfiltered		LAS
RD-33C	Primary	08/22/96	30 U ± 120	Unfiltered		LAS
RD-33C	Primary	02/25/97	40 U ± 120	Unfiltered		LAS
RD-33C	Primary	08/21/97	-20 U ± 120	Unfiltered		LAS
RD-33C	Primary	05/27/98	-149 U ± 120	Unfiltered		TN
RD-33C	Primary	08/17/98	37.4 U ± 130	Unfiltered		TN
RD-33C	Primary	02/03/99	-2.30 U ± 99	Unfiltered		TN
RD-33C	Primary	08/11/99	1.70 U ± 90	Unfiltered		TN
RD-33C	Primary	02/09/00	-90.6 U ± 110	Unfiltered		TR
RD-33C	Primary	08/09/00	77.5 U ± 130	Unfiltered		TR
RD-33C	Primary	02/17/01	-50.0 U ± 120	Unfiltered		ES
RD-33C	Primary	10/30/01	0.00 U ± 78	Unfiltered		DL
RD-33C	Primary	02/15/02	175 U ± 121	Unfiltered		DL

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-33C	Primary	08/20/02	55.8 U ± 120	Unfiltered		ES
RD-33C	Primary	02/10/03	73.1 U ± 120	Unfiltered		ES
RD-33C	Primary	11/13/03	107 U ± 110	Unfiltered		ES
RD-33C	Split	11/13/03	-23.3 U ± 46.7	Unfiltered		STL
RD-33C	Primary	11/04/04	-30.7 U ± 93	Unfiltered		ES
RD-33C	Split	11/04/04	23.1 U ± 46.1	Unfiltered		STL
RD-33C	Primary	02/16/05	-79.4 U ± 120	Unfiltered		ES
RD-33C	Primary	08/22/05	22.2 U ± 150	Unfiltered		ES
RD-33C	Primary	02/16/06	55.0 U ± 98	Unfiltered		ES
RD-33C	Primary	08/08/06	-87.5U ± 92	Unfiltered		ES
RD-34A	Primary	12/05/91	7040 ± 685	Unfiltered		IT
RD-34A	Split	12/05/91	7155 ± 632	Unfiltered		CEP
RD-34A	Primary	03/10/92	7069 ± 598	Unfiltered		CEP
RD-34A	Split	03/10/92	6700 ± 200	Unfiltered		TEL
RD-34A	Primary	06/08/92	2529 ± 548	Unfiltered		CEP
RD-34A	Primary	09/13/92	1841 ± 527	Unfiltered		CEP
RD-34A	Split	09/13/92	1800 ± 300	Unfiltered		BL
RD-34A	Primary	12/05/92	3006 ± 545	Unfiltered		CEP
RD-34A	Reanalysis of Primary	12/05/92	4180 ± 768	Unfiltered		CEP
RD-34A	Split	12/05/92	3500 ± 400	Unfiltered		BL
RD-34A	Primary	03/09/93	1119 ± 743	Unfiltered		CEP
RD-34A	Primary	06/22/93	657 ± 500	Unfiltered		CEP
RD-34A	Primary	08/24/93	812 ± 639	Unfiltered		CEP
RD-34A	Primary	11/18/93	990 ± 230	Unfiltered		LAS
RD-34A	Primary	02/26/94	3550 ± 440	Unfiltered		LAS
RD-34A	Primary	05/09/94	3430 ± 390	Unfiltered		LAS
RD-34A	Primary	08/09/94	2710 ± 380	Unfiltered		LAS
RD-34A	Primary	11/09/94	1860 ± 340	Unfiltered		LAS
RD-34A	Primary	02/07/95	3200 ± 440	Unfiltered		LAS
RD-34A	Primary	08/09/95	2080 ± 380	Unfiltered		LAS
RD-34A	Primary	02/19/96	4020 ± 420	Unfiltered		LAS
RD-34A	Primary	08/18/96	4250 ± 470	Unfiltered		LAS
RD-34A	Primary	02/07/97	4870 ± 500	Unfiltered		LAS
RD-34A	Primary	05/27/98	2210 ± 180	Unfiltered		TN
RD-34A	Primary	08/18/98	2060 ± 180	Unfiltered		TN
RD-34A	Primary	08/29/00	2440 ± 150	Unfiltered		TR
RD-34A	Primary	05/09/01	3120 ± 200	Unfiltered		ES
RD-34A	Primary	05/16/03	2420 ± 300	Unfiltered		ES
RD-34A	Primary	05/17/04	2190 ± 260	Unfiltered		ES
RD-34A	Primary	08/09/04	2440 ± 290	Unfiltered		ES
RD-34A	Primary	02/17/05	1050 ± 180	Unfiltered		ES
RD-34A	Primary	08/25/05	1010 ± 240	Unfiltered		ES
RD-34A	Primary	02/21/06	1710 ± 210	Unfiltered		ES
RD-34A	Primary	11/16/06	1100 ± 220	Unfiltered		ES
RD-34B	Primary	12/05/91	336 ± 234	Unfiltered		IT
RD-34B	Primary	12/11/91	820 ± 538	Unfiltered		CEP
RD-34B	Split	12/11/91	236 ± 230	Unfiltered		IT
RD-34B	Primary	03/10/92	<500 U	Unfiltered		CEP
RD-34B	Split	03/10/92	390 ± 100	Unfiltered		TEL

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-34B	Primary	06/08/92	534 ± 520	Unfiltered		CEP
RD-34B	Primary	09/13/92	400 U ± 500	Unfiltered		CEP
RD-34B	Split	09/13/92	420 ± 290	Unfiltered		BL
RD-34B	Primary	12/05/92	121 U ± 500	Unfiltered		CEP
RD-34B	Primary	03/21/93	125 U ± 490	Unfiltered		CEP
RD-34B	Primary	06/23/93	-387 U ± 500	Unfiltered		CEP
RD-34B	Primary	08/24/93	286 U ± 500	Unfiltered		CEP
RD-34B	Primary	11/18/93	210 U ± 150	Unfiltered		LAS
RD-34B	Primary	02/26/94	60 U ± 150	Unfiltered		LAS
RD-34B	Primary	05/10/94	220 U ± 150	Unfiltered		LAS
RD-34B	Primary	08/09/94	0 U ± 140	Unfiltered		LAS
RD-34B	Primary	11/09/94	170 U ± 190	Unfiltered		LAS
RD-34B	Primary	02/07/95	220 U ± 220	Unfiltered		LAS
RD-34B	Primary	02/07/95	205 ± 12	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-34B	Primary	08/09/95	90 U ± 220	Unfiltered		LAS
RD-34B	Primary	02/19/96	448 ± 21	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-34B	Primary	02/19/96	448 ± 21	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-34B	Primary	02/19/96	440 ± 55	Unfiltered		LAS
RD-34B	Primary	08/18/96	330 ± 160	Unfiltered		LAS
RD-34B	Primary	02/07/97	150 U ± 130	Unfiltered		LAS
RD-34B	Primary	08/21/97	200 U ± 140	Unfiltered		LAS
RD-34B	Primary	05/27/98	372 ± 130	Unfiltered		TN
RD-34B	Primary	08/18/98	376 ± 140	Unfiltered		TN
RD-34B	Primary	02/04/99	650 ± 120	Unfiltered		TN
RD-34B	Primary	08/11/99	176 ± 100	Unfiltered		TN
RD-34B	Primary	02/05/00	200 ± 120	Unfiltered		TR
RD-34B	Primary	02/16/01	180 U ± 130	Unfiltered		ES
RD-34B	Primary	11/02/01	89 U ± 103	Unfiltered		DL
RD-34B	Primary	02/15/02	151 U ± 121	Unfiltered		DL
RD-34B	Primary	08/23/02	-40.8 U ± 120	Unfiltered		ES
RD-34B	Primary	02/06/03	171 U ± 110	Unfiltered		ES
RD-34B	Primary	11/13/03	254 ± 120	Unfiltered		ES
RD-34B	Primary	02/24/04	105 U ± 110	Unfiltered		ES
RD-34B	Primary	08/09/04	60.5 U ± 99	Unfiltered		ES
RD-34B	Primary	02/15/05	180 U ± 120	Unfiltered		ES
RD-34B	Primary	08/23/05	145 U ± 180	Unfiltered		ES
RD-34B	Primary	02/17/06	154 U ± 100	Unfiltered		ES
RD-34B	Primary	08/09/06	340 ± 110	Unfiltered		ES
RD-34C	Primary	12/06/91	71.2 U ± 215	Unfiltered		IT
RD-34C	Primary	12/12/91	30.8 U ± 217	Unfiltered		IT
RD-34C	Split	12/12/91	<500 U	Unfiltered		CEP
RD-34C	Primary	03/10/92	<500 U	Unfiltered		CEP
RD-34C	Split	03/10/92	<100 U	Unfiltered		TEL
RD-34C	Primary	06/08/92	455 U ± 519	Unfiltered		CEP
RD-34C	Primary	09/13/92	357 ± 500	Unfiltered		CEP
RD-34C	Split	09/13/92	-140 U ± 270	Unfiltered		BL
RD-34C	Primary	12/05/92	-373 U ± 494	Unfiltered		CEP

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-34C	Primary	03/09/93	300 ± 499	Unfiltered		CEP
RD-34C	Primary	06/24/93	158 ± 500	Unfiltered		CEP
RD-34C	Primary	08/24/93	101 ± 500	Unfiltered		CEP
RD-34C	Primary	11/06/93	140 U ± 140	Unfiltered		LAS
RD-34C	Primary	02/26/94	-30 U ± 140	Unfiltered		LAS
RD-34C	Primary	05/09/94	-20 U ± 120	Unfiltered		LAS
RD-34C	Primary	08/09/94	-80 U ± 130	Unfiltered		LAS
RD-34C	Primary	11/09/94	40 U ± 170	Unfiltered		LAS
RD-34C	Primary	02/07/95	-10 U ± 200	Unfiltered		LAS
RD-34C	Primary	08/10/95	-240 U ± 180	Unfiltered		LAS
RD-34C	Primary	02/19/96	-290 U ± 160	Unfiltered		LAS
RD-34C	Primary	08/19/96	30 U ± 110	Unfiltered		LAS
RD-34C	Primary	02/07/97	40 U ± 120	Unfiltered		LAS
RD-34C	Primary	08/21/97	-30 U ± 110	Unfiltered		LAS
RD-34C	Primary	05/27/98	-184 U ± 120	Unfiltered		TN
RD-34C	Primary	08/17/98	127 U ± 120	Unfiltered		TN
RD-34C	Primary	02/04/99	11.4 U ± 99	Unfiltered		TN
RD-34C	Primary	08/12/99	45.0 U ± 93	Unfiltered		TN
RD-34C	Primary	02/05/00	-75.5 U ± 120	Unfiltered		TR
RD-34C	Primary	08/08/00	16.0 U ± 130	Unfiltered		TR
RD-34C	Primary	02/16/01	-111 U ± 120	Unfiltered		ES
RD-34C	Primary	11/02/01	20 U ± 102	Unfiltered		DL
RD-34C	Primary	02/14/02	0 U ± 115	Unfiltered		DL
RD-34C	Primary	08/28/02	-74.5 U ± 120	Unfiltered		ES
RD-34C	Primary	02/06/03	-78.4 U ± 110	Unfiltered		ES
RD-34C	Primary	11/13/03	-33.1 U ± 110	Unfiltered		ES
RD-34C	Primary	02/24/04	-59.8 U ± 110	Unfiltered		ES
RD-34C	Primary	08/09/04	-28 U ± 95	Unfiltered		ES
RD-34C	Split	08/09/04	43.3 U ± 58.4	Unfiltered		STL
RD-34C	Primary	02/15/05	-7.50 U ± 120	Unfiltered		ES
RD-34C	Primary	08/23/05	-100 U ± 170	Unfiltered		ES
RD-34C	Primary	02/21/06	108 U ± 92	Unfiltered		ES
RD-34C	Split	02/21/06	-40.2 U ± 150	Unfiltered		STL
RD-34C	Primary	08/09/06	-69U ± 100	Unfiltered		ES
RD-35B	Primary	05/07/99	17.4 U ± 100	Unfiltered		TN
RD-38B	Primary	02/17/99	20.1 U ± 120	Unfiltered		TN
RD-45A	Primary	05/05/94	30 U ± 130	Unfiltered		LAS
RD-45C	Primary	10/06/94	-70 U ± 120	Unfiltered		LAS
RD-46B	Primary	02/15/99	125 U ± 120	Unfiltered		TN
RD-47	Primary	08/07/95	1.4 U ± 5.2	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-48A	Primary	08/06/95	11.6 ± 6.6	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-48B	Primary	08/07/95	3.0 U ± 5.6	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-48C	Primary	08/06/95	14.9 ± 6.4	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-50	Primary	05/05/94	60 U ± 130	Unfiltered		LAS
RD-50	Primary	05/19/95	-30 U ± 180	Unfiltered		LAS

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-50	Primary	05/14/96	-30 U ± 170	Unfiltered		LAS
RD-50	Primary	05/05/97	550 ± 170	Unfiltered		LAS
RD-50	Primary	05/28/98	-18.6 U ± 110	Unfiltered		TN
RD-51C	Primary	12/14/91	32.7 U ± 219	Unfiltered		IT
RD-51C	Primary	03/06/92	<500 U	Unfiltered		CEP
RD-54A	Primary	09/12/93	-52 U ± 500	Unfiltered		CEP
RD-54A	Primary	09/29/93	169 U ± 500	Unfiltered		CEP
RD-54A	Primary	05/26/94	270 ± 160	Unfiltered		LAS
RD-54A	Primary	08/09/94	130 U ± 160	Unfiltered		LAS
RD-54A	Primary	08/03/95	60 U ± 220	Unfiltered		LAS
RD-54A	Primary	05/16/96	270 ± 200	Unfiltered		LAS
RD-54A	Primary	08/23/96	440 ± 150	Unfiltered		LAS
RD-54A	Primary	05/05/97	430 ± 150	Unfiltered		LAS
RD-54A	Primary	08/22/97	370 ± 160	Unfiltered		LAS
RD-54A	Primary	02/08/98	354 ± 130	Unfiltered		TN
RD-54A	Primary	08/07/98	497 ± 140	Unfiltered		TN
RD-54A	Primary	02/08/99	697 ± 160	Unfiltered		TN
RD-54A	Primary	08/18/99	491 ± 110	Unfiltered		TN
RD-54A	Primary	03/15/00	332 ± 120	Unfiltered		TR
RD-54A	Primary	10/26/01	139 U ± 109	Unfiltered		DL
RD-54A	Primary	02/27/02	67 U ± 56	Unfiltered		DL
RD-54A	Primary	08/14/02	105 U ± 120	Unfiltered		ES
RD-54A(Z2)	Primary	02/18/03	10.7 U ± 110	Unfiltered		ES
RD-54A(Z2)	Primary	08/26/03	25.3 U ± 110	Unfiltered		ES
RD-54A(Z2)	Primary	11/03/04	64.5 U ± 96	Unfiltered		ES
RD-54A(Z2)	Primary	02/16/05	14.0 U ± 150	Unfiltered		ES
RD-54A(Z2)	Primary	08/31/05	205 U ± 170	Unfiltered		ES
RD-54A(Z2)	Primary	02/16/06	270 ± 100	Unfiltered		ES
RD-54A(Z2)	Primary	08/17/06	161J ± 100	Unfiltered		ES
RD-54B	Primary	09/12/93	77 U ± 500	Unfiltered		CEP
RD-54B	Primary	09/29/93	378 U ± 500	Unfiltered		CEP
RD-54B	Primary	05/08/94	-20 U ± 120	Unfiltered		LAS
RD-54B	Primary	08/08/94	-110 U ± 120	Unfiltered		LAS
RD-54B	Primary	08/30/95	100 U ± 240	Unfiltered		LAS
RD-54B	Primary	05/16/96	40 U ± 180	Unfiltered		LAS
RD-54B	Primary	08/21/96	-27 U ± 91	Unfiltered		LAS
RD-54B	Primary	08/22/97	-80 U ± 100	Unfiltered		LAS
RD-54B	Primary	02/08/98	40.8 U ± 110	Unfiltered		TN
RD-54B	Primary	08/07/98	26.4 U ± 130	Unfiltered		TN
RD-54B	Primary	02/08/99	-59.8 U ± 120	Unfiltered		TN
RD-54B	Primary	08/18/99	-6.88 U ± 92	Unfiltered		TN
RD-54B	Primary	03/15/00	0 U ± 0	Unfiltered		TR
RD-54B	Primary	10/25/01	0.00 U ± 79	Unfiltered		DL
RD-54B	Primary	02/27/02	191 U ± 59	Unfiltered		DL
RD-54B	Primary	08/21/02	-21.9 U ± 120	Unfiltered		ES
RD-54B	Primary	02/26/03	24.2 U ± 110	Unfiltered		ES
RD-54B	Primary	08/07/03	-31.7 U ± 110	Unfiltered		ES
RD-54B	Primary	02/16/05	136 U ± 120	Unfiltered		ES
RD-54B	Primary	08/22/05	3.69 U ± 150	Unfiltered		ES

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-54B	Primary	02/20/06	101 U ± 100	Unfiltered		ES
RD-54B	Primary	08/23/06	-77.8U ± 100	Unfiltered		ES
RD-54C	Primary	09/11/93	58 ± 500	Unfiltered		CEP
RD-54C	Primary	09/29/93	236 ± 500	Unfiltered		CEP
RD-54C	Primary	05/08/94	0 U ± 120	Unfiltered		LAS
RD-54C	Primary	08/08/94	-30 U ± 140	Unfiltered		LAS
RD-54C	Primary	08/30/95	-10 U ± 230	Unfiltered		LAS
RD-54C	Primary	05/16/96	-40 U ± 170	Unfiltered		LAS
RD-54C	Primary	08/23/96	50 U ± 100	Unfiltered		LAS
RD-54C	Primary	05/05/97	20 U ± 110	Unfiltered		LAS
RD-54C	Primary	08/24/97	10 U ± 110	Unfiltered		LAS
RD-54C	Primary	02/08/98	38.3 U ± 110	Unfiltered		TN
RD-54C	Primary	08/07/98	35.4 U ± 130	Unfiltered		TN
RD-54C	Primary	02/09/99	81.0 U ± 120	Unfiltered		TN
RD-54C	Primary	08/18/99	28.2 U ± 96	Unfiltered		TN
RD-54C	Primary	03/15/00	28.8 U ± 110	Unfiltered		TR
RD-54C	Primary	11/02/01	36 U ± 81	Unfiltered		DL
RD-54C	Primary	02/27/02	221 U ± 57	Unfiltered		DL
RD-54C	Primary	08/22/02	67.4 U ± 130	Unfiltered		ES
RD-54C	Primary	02/26/03	-79.1 U ± 110	Unfiltered		ES
RD-54C	Primary	08/26/03	-12.4 U ± 110	Unfiltered		ES
RD-54C	Primary	11/05/04	25.9 U ± 93	Unfiltered		ES
RD-54C	Primary	02/17/05	-34.0 U ± 120	Unfiltered		ES
RD-54C	Split	02/17/05	-2.69 U ± 8.51	Unfiltered		STL
RD-54C	Primary	08/22/05	36.6 U ± 150	Unfiltered		ES
RD-54C	Primary	02/23/06	-45.9 U ± 97	Unfiltered		ES
RD-54C	Primary	08/10/06	-36 U ± 95	Unfiltered		ES
RD-56A	Primary	05/10/94	-40 U ± 110	Unfiltered		LAS
RD-56A	Primary	02/20/96	-10 U ± 180	Unfiltered		LAS
RD-56A	Primary	02/06/97	96 ± 59	Unfiltered		LAS
RD-56A	Primary	05/28/98	16.2 U ± 110	Unfiltered		TN
RD-56B	Primary	05/28/98	-35.2 U ± 110	Unfiltered		TN
RD-57	Primary	03/16/94	-50 U ± 100	Unfiltered		LAS
RD-57	Primary	05/10/94	-60 U ± 110	Unfiltered		LAS
RD-57	Primary	08/18/94	60 U ± 150	Unfiltered		LAS
RD-57	Primary	02/07/95	-100 U ± 190	Unfiltered		LAS
RD-57	Primary	08/09/95	-110 U ± 200	Unfiltered		LAS
RD-57	Primary	02/19/96	-150 U ± 170	Unfiltered		LAS
RD-57	Primary	08/22/96	-19 U ± 92	Unfiltered		LAS
RD-57	Primary	02/25/97	150 U ± 130	Unfiltered		LAS
RD-57	Primary	08/27/97	0 U ± 100	Unfiltered		LAS
RD-57	Primary	05/26/98	-144 U ± 120	Unfiltered		TN
RD-57	Primary	08/17/98	-7.03 U ± 130	Unfiltered		TN
RD-57	Primary	05/13/99	17.4 U ± 100	Unfiltered		TN
RD-57	Primary	08/11/99	48.8 U ± 94	Unfiltered		TN
RD-57	Primary	02/09/00	-84.4 U ± 110	Unfiltered		TR
RD-57	Primary	08/08/00	-14.7 U ± 130	Unfiltered		TR
RD-57	Primary	05/11/01	-35.8 U ± 120	Unfiltered		ES
RD-57	Primary	10/31/01	0.00 U ± 80	Unfiltered		DL

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-57	Primary	02/14/02	10 U ± 120	Unfiltered		DL
RD-57	Primary	08/14/02	0 U ± 0	Unfiltered		ES
RD-57(Z8)	Primary	01/29/03	-57.7 U ± 110	Unfiltered		ES
RD-57(Z8)	Primary	04/30/03	18.8 U ± 99	Unfiltered		ES
RD-57(Z8)	Primary	08/27/03	-24.8 U ± 110	Unfiltered		ES
RD-57(Z7)	Primary	11/18/04	-35.6 U ± 130	Unfiltered		ES
RD-57(Z7)	Primary	03/08/05	-43.5 U ± 100	Unfiltered		ES
RD-57(Z7)	Primary	09/01/05	-68.6 U ± 100	Unfiltered		ES
RD-57(Z7)	Primary	02/20/06	120 U ± 100	Unfiltered		ES
RD-57(Z7)	Primary	08/18/06	-43.1 U ± 100	Unfiltered		ES
RD-59A	Primary	08/16/94	-70 U ± 120	Unfiltered		LAS
RD-59A	Primary	02/06/95	69.5 ± 7.2	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-59A	Primary	02/06/95	160 U ± 220	Unfiltered		LAS
RD-59A	Dup	02/06/95	-140 U ± 190	Unfiltered		LAS
RD-59A	Primary	08/08/95	-100 U ± 200	Unfiltered		LAS
RD-59A	Primary	03/12/96	29.4 ± 6.6	Unfiltered	Analysis conducted using electrolytic enrichment.	LAS
RD-59A	Primary	08/21/96	-28 U ± 91	Unfiltered		LAS
RD-59A	Primary	02/16/97	200 U ± 150	Unfiltered		LAS
RD-59A	Primary	08/22/97	-30 U ± 110	Unfiltered		LAS
RD-59A	Primary	08/19/98	-2.44 U ± 130	Unfiltered		TN
RD-59A	Primary	02/16/99	107 U ± 120	Unfiltered		TN
RD-59A	Primary	08/06/99	52.9 U ± 95	Unfiltered		TN
RD-59A	Primary	03/14/00	19.2 U ± 110	Unfiltered		TR
RD-59A	Primary	08/10/00	13.0 U ± 140	Unfiltered		TR
RD-59A	Primary	05/16/01	-23.2 U ± 120	Unfiltered		ES
RD-59A	Primary	11/12/01	968 S ± 115	Unfiltered	Suspect result.	DL
RD-59A	Primary	02/28/02	536 S ± 115	Unfiltered	Suspect result.	DL
RD-59A	Primary	08/08/02	74.2 U ± 120	Unfiltered		ES
RD-59A	Primary	01/31/03	23.9 U ± 110	Unfiltered		ES
RD-59A	Primary	05/15/03	29.7 U ± 100	Unfiltered		ES
RD-59A	Split	05/15/03	-12.3 U ± 51.5	Unfiltered		STL
RD-59A	Primary	08/08/03	-33.7 U ± 110	Unfiltered		ES
RD-59A	Split	08/08/03	17.1 U ± 49	Unfiltered		STL
RD-59A	Primary	11/14/03	-82.5 U ± 110	Unfiltered		ES
RD-59A	Split	11/14/03	-8.74 U ± 46.3	Unfiltered		STL
RD-59A	Primary	11/16/04	-94.7 U ± 130	Unfiltered		ES
RD-59A	Primary	09/07/05	-86.5 U ± 100	Unfiltered		ES
RD-59A	Primary	11/14/06	-100 U ± 180	Unfiltered		ES
RD-59A	Primary	08/23/06	4.28 U ± 110	Unfiltered		ES
RD-59B	Primary	08/29/94	40 U ± 150	Unfiltered		LAS
RD-59B	Primary	02/06/95	-150 U ± 180	Unfiltered		LAS
RD-59B	Primary	08/08/95	-90 U ± 200	Unfiltered		LAS
RD-59B	Primary	03/12/96	-80 U ± 100	Unfiltered		LAS
RD-59B	Primary	08/21/96	38 U ± 98	Unfiltered		LAS
RD-59B	Primary	02/16/97	20 U ± 120	Unfiltered		LAS
RD-59B	Primary	08/22/97	-30 U ± 110	Unfiltered		LAS
RD-59B	Primary	08/19/98	68.8 U ± 130	Unfiltered		TN

See last page of Table E-II for notes and abbreviations.

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BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-59B	Primary	02/16/99	26.3 U ± 110	Unfiltered		TN
RD-59B	Primary	08/06/99	24.3 U ± 93	Unfiltered		TN
RD-59B	Primary	03/14/00	-67.2 U ± 100	Unfiltered		TR
RD-59B	Primary	08/10/00	-23.7 U ± 130	Unfiltered		TR
RD-59B	Primary	02/17/01	-68.1 U ± 120	Unfiltered		ES
RD-59B	Primary	11/12/01	101 U ± 104	Unfiltered		DL
RD-59B	Primary	02/28/02	222 U ± 58	Unfiltered		DL
RD-59B	Primary	08/08/02	55.1 U ± 120	Unfiltered		ES
RD-59B	Primary	01/31/03	-31.1 U ± 110	Unfiltered		ES
RD-59B	Primary	08/08/03	-21.2 U ± 110	Unfiltered		ES
RD-59B	Primary	11/05/04	-32.1 U ± 93	Unfiltered		ES
RD-59B	Primary	09/07/05	-61.2 U ± 99	Unfiltered		ES
RD-59B	Primary	02/22/06	41.9 U ± 100	Unfiltered		ES
RD-59B	Primary	11/14/06	-144 U ± 170	Unfiltered		ES
RD-59B	Primary	08/23/06	-42.8 U ± 100	Unfiltered		ES
RD-59C	Primary	06/20/94 (225-271')	20 U ± 140	Unfiltered		LAS
RD-59C	Primary	08/16/94	-30 U ± 130	Unfiltered		LAS
RD-59C	Primary	02/06/95	-50 U ± 190	Unfiltered		LAS
RD-59C	Primary	08/08/95	-200 U ± 190	Unfiltered		LAS
RD-59C	Primary	03/12/96	-60 U ± 100	Unfiltered		LAS
RD-59C	Primary	08/21/96	50 U ± 100	Unfiltered		LAS
RD-59C	Primary	02/16/97	40 U ± 130	Unfiltered		LAS
RD-59C	Primary	08/22/97	-70 U ± 110	Unfiltered		LAS
RD-59C	Primary	08/19/98	43.3 U ± 120	Unfiltered		TN
RD-59C	Primary	02/16/99	30.6 U ± 120	Unfiltered		TN
RD-59C	Primary	08/06/99	-30.5 U ± 94	Unfiltered		TN
RD-59C	Primary	03/14/00	7.68 U ± 110	Unfiltered		TR
RD-59C	Primary	08/10/00	54.4 U ± 130	Unfiltered		TR
RD-59C	Primary	02/17/01	30.6 U ± 130	Unfiltered		ES
RD-59C	Primary	11/12/01	132 U ± 104	Unfiltered		DL
RD-59C	Primary	02/28/02	0 U ± 59	Unfiltered		DL
RD-59C	Primary	08/08/02	-43.8 U ± 120	Unfiltered		ES
RD-59C	Primary	01/31/03	1.97 U ± 110	Unfiltered		ES
RD-59C	Primary	08/08/03	50.7 U ± 110	Unfiltered		ES
RD-59C	Primary	11/05/04	-14.9 U ± 95	Unfiltered		ES
RD-59C	Primary	09/07/05	-15.4 U ± 100	Unfiltered		ES
RD-59C	Primary	02/22/06	-34.2 U ± 99	Unfiltered		ES
RD-59C	Split	02/22/06	40.4 U ± 154	Unfiltered		STL
RD-59C	Primary	11/14/06	-81.7 U ± 170	Unfiltered		ES
RD-59C	Primary	08/23/06	5.93U ± 100	Unfiltered		ES
RD-61	Primary	05/28/98	-50.5 U ± 110	Unfiltered		TN
RD-63	Primary	05/19/94	40 U ± 130	Unfiltered		LAS
RD-63	Primary	09/22/94	80 U ± 150	Unfiltered		LAS
RD-63 Effluent	Primary	10/06/94	60 U ± 150	Unfiltered	Pilot extraction effluent.	LAS
RD-63	Primary	11/09/94	90 U ± 180	Unfiltered		LAS
RD-63	Primary	01/04/95	350 ± 210	Unfiltered	MDA unavailable.	LAS
RD-63	Primary	02/02/99	362 ± 110	Unfiltered		TN
RD-63	Primary	02/16/00	266 ± 120	Unfiltered		TR

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VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-63	Primary	02/23/01	-26.9 U ±130	Unfiltered		ES
RD-63	Primary	02/14/02	41 U ± 120	Unfiltered		DL
RD-63	Primary	02/05/03	152 U ± 120	Unfiltered		ES
RD-63	Primary	02/24/04	344 ± 120	Unfiltered		ES
RD-63	Primary	08/25/05	69.5 U ± 180	Unfiltered		ES
RD-63	Primary	02/16/06	350 ± 110	Unfiltered		ES
RD-64	Primary	05/10/01	181 U ± 130	Unfiltered		ES
RD-64	Primary	02/28/02	204 U ± 58	Unfiltered		DL
RD-64(Z6)	Primary	01/29/03	21.3 U ± 110	Unfiltered		ES
RD-64(Z6)	Primary	11/12/04	17.7 U ± 130	Unfiltered		ES
RD-64(Z6)	Primary	02/14/05	24.5 U ± 150	Unfiltered		ES
RD-64(Z6)	Primary	02/16/06	161 U ± 95	Unfiltered		ES
RD-65	Primary	02/27/97	380 ± 160	Unfiltered		LAS
RD-65	Primary	02/07/98	322 ± 130	Unfiltered		TN
RD-69	Primary	05/28/98	68.6 U ± 110	Unfiltered		TN
RD-74	Primary	05/13/99	30.2 U ± 110	Unfiltered		TN
RD-75	Primary	08/30/05	-23.3 U ± 150	Unfiltered		ES
RD-85	Primary	08/13/04	-32 U ± 99	Unfiltered		ES
RD-85	Reanalysis of Primary	08/13/04	51.5 U ± 99	Unfiltered		ES
RD-85	Dup	08/13/04	102 U ± 100	Unfiltered		ES
RD-85	Split	08/13/04	80 U ± 220	Unfiltered		PA
RD-85	Primary	08/26/04	83.9 U ± 110	Unfiltered		ES
RD-85	Primary	02/23/05	-11.2 U ± 110	Unfiltered		ES
RD-86	Primary	08/13/04	62.8 U ± 100	Unfiltered		ES
RD-86	Primary	08/26/04	3.91 U ± 110	Unfiltered		ES
RD-86	Primary	02/23/05	-93.8 U ± 110	Unfiltered		ES
RD-87	Primary	08/18/04	14,900 ± 1,500	Unfiltered		ES
RD-87	Dup	08/18/04	15,400 ± 1,600	Unfiltered		ES
RD-87	Primary	08/26/04	14,800 ± 1,500	Unfiltered		ES
RD-87	Primary	08/24/05	10,200 ± 1100	Unfiltered		ES
RD-88	Primary	08/20/04	82,000 ± 8,200	Unfiltered		ES
RD-88	Primary	08/26/04	86,600 ± 8,700	Unfiltered		ES
RD-88	Primary	08/25/05	57,600 ± 6000	Unfiltered		ES
RD-89	Primary	05/24/05	75.8 U ± 96	Unfiltered		ES
RD-89	Dup	05/24/05	95.9 U ± 97	Unfiltered		ES
RD-89	Primary	06/01/05	55.2 U ± 100	Unfiltered		ES
RD-90	Primary	03/25/04	75,500 ± 7,700	Unfiltered		ES
RD-90	Primary	04/15/04	83,300 ± 8,400	Unfiltered		ES
RD-90	Primary	08/12/04	89,600 ± 9000	Unfiltered	Depth of 42 ft.	ES
RD-90	Primary	08/12/04	90,900 ± 9100	Unfiltered	Depth of 80 ft.	ES
RD-90	Primary	08/12/04	83,000 ± 8300	Unfiltered	Depth of 115 ft.	ES
RD-90	Primary	08/25/05	71,800 ± 7500	Unfiltered		ES
RD-91	Primary	03/25/04	52.8 U ± 110	Unfiltered		ES
RD-91	Primary	04/15/04	-62.8 U ± 130	Unfiltered		ES
RD-92	Primary	03/25/04	-10.5 U ± 110	Unfiltered		ES
RD-92	Primary	04/15/04	-62.1 U ± 120	Unfiltered		ES
RD-93	Primary	05/23/05	27,800 ± 3,000	Unfiltered		ES
RD-93	Dup	05/23/05	26,000 ± 2,800	Unfiltered		ES
RD-93	Primary	06/01/05	34,900 ± 3,600	Unfiltered		ES

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
RD-93	Primary	08/24/05	17,300 ± 1,800	Unfiltered		ES
RD-94	Primary	05/23/05	12,200 ± 1,300	Unfiltered		ES
RD-94	Primary	06/01/05	12,400 ± 1,300	Unfiltered		ES
RD-94	Primary	08/25/05	11,900 ± 1,300	Unfiltered		ES
RD-95	Primary	05/23/05	117,000 ± 13,000	Unfiltered		ES
RD-95	Primary	06/01/05	112,000 ± 11,000	Unfiltered		ES
RD-95	Primary	08/24/05	103,000 ± 11,000	Unfiltered		ES
RD-96	Primary	05/09/06	76.2 U ± 140	Unfiltered		ES
RD-97	Primary	05/09/06	-33.6 U ± 130	Unfiltered		ES
HAR-06	Primary	09/14/89	45.9 U ± 133	Unfiltered		UST
HAR-06	Split	09/14/89	<1000 U	Unfiltered		TMA
HAR-07	Primary	09/09/89	-88.9 U ± 128	Unfiltered		UST
HAR-07	Split	09/09/89	<1000 U	Unfiltered		TMA
HAR-16	Primary	09/09/89	-57.4 U ± 126	Unfiltered		UST
HAR-16	Split	09/09/89	<1000 U	Unfiltered		TMA
HAR-18	Primary	09/11/89	-68.4 ± 133	Unfiltered		UST
HAR-18	Split	09/11/89	<1000 U	Unfiltered		TMA
HAR-19	Primary	09/09/89	329 U ± 137	Unfiltered		UST
HAR-19	Split	09/09/89	<1000 U	Unfiltered		TMA
HAR-19	Primary	06/28/90	12.9 ± 212	Unfiltered		UST
HAR-20	Primary	09/09/89	-65.0 U ± 125	Unfiltered		UST
HAR-20	Split	09/09/89	<1000 U	Unfiltered		TMA
HAR-21	Primary	09/09/89	-39.2 U ± 121	Unfiltered		UST
HAR-21	Split	09/09/89	<1000 U	Unfiltered		TMA
WS-04A	Primary	09/09/89	-155 U ± 125	Unfiltered		UST
WS-04A	Split	09/09/89	<1000 U	Unfiltered		TMA
WS-04A	Primary	12/06/90	-67.2 U ± 195	Unfiltered		IT
WS-05	Primary	09/09/89	-216 U ± 119	Unfiltered		UST
WS-05	Split	09/09/89	<1000 U	Unfiltered		TMA
WS-05	Primary	05/06/94	-40 U ± 110	Unfiltered		LAS
WS-06	Primary	09/11/89	-128 U ± 125	Unfiltered		UST
WS-06	Split	09/11/89	<1000 U	Unfiltered		TMA
WS-07	Primary	12/06/90	187 U ± 235	Unfiltered		IT
WS-07	Dup	12/06/90	78.0 U ± 229	Unfiltered		IT
WS-07	Primary	03/08/91	-70.2 U ± 178	Unfiltered		IT
WS-07	Primary	12/07/91	-48.1 U ± 209	Unfiltered		IT
WS-07	Split	12/07/91	<500 U	Unfiltered		CEP
WS-07	Primary	03/25/92	<500 U	Unfiltered		CEP
WS-08	Primary	09/09/89	-258 U ± 138	Unfiltered		UST
WS-08	Split	09/09/89	<1000 U	Unfiltered		TMA
WS-09A	Primary	09/12/89	-53.4 U ± 127	Unfiltered		UST
WS-09A	Split	09/12/89	<1000 U	Unfiltered		TMA
Off-Site Private Wells and Springs						
OS-01	Primary	09/13/89	-227 U ± 121	Unfiltered		UST
OS-01	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-01	Primary	12/11/90	-17.5 U ± 207	Unfiltered		IT
OS-01	Primary	03/09/91	-109 U ± 185	Unfiltered		IT
OS-01	Primary	09/09/91	63.8 U ± 201	Unfiltered		IT
OS-01	Primary	12/09/91	-49.0 U ± 209	Unfiltered		IT

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
OS-01	Primary	06/09/92	-129 U ± 489	Unfiltered		CEP
OS-01	Primary	09/15/92	411 U ± 500	Unfiltered		CEP
OS-01	Primary	12/17/92	187 U ± 498	Unfiltered		CEP
OS-01	Primary	06/22/93	-17 U ± 446	Unfiltered		CEP
OS-01	Primary	08/23/93	-436 U ± 500	Unfiltered		CEP
OS-01	Primary	11/08/93	60 U ± 120	Unfiltered		LAS
OS-01	Primary	02/23/94	-70 U ± 130	Unfiltered		LAS
OS-01	Primary	08/15/94	-70 U ± 120	Unfiltered		LAS
OS-01	Primary	02/06/95	10 U ± 200	Unfiltered		LAS
OS-01	Primary	08/08/95	-110 U ± 200	Unfiltered		LAS
OS-01	Primary	08/21/96	-20 U ± 110	Unfiltered		LAS
OS-02	Primary	09/13/89	-90.8 U ± 128	Unfiltered		UST
OS-02	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-02	Primary	12/11/90	-39.7 U ± 206	Unfiltered		IT
OS-02	Primary	03/08/91	86.5 U ± 186	Unfiltered		IT
OS-02	Dup	03/08/91	-80.4 U ± 186	Unfiltered		IT
OS-02	Primary	09/09/91	0.00 U ± 198	Unfiltered		IT
OS-02	Primary	12/09/91	-61.0 U ± 208	Unfiltered		IT
OS-02	Primary	06/09/92	348 U ± 493	Unfiltered		CEP
OS-02	Primary	09/15/92	299 U ± 500	Unfiltered		CEP
OS-02	Primary	12/17/92	-607 U ± 520	Unfiltered		CEP
OS-02	Primary	06/22/93	74 U ± 500	Unfiltered		CEP
OS-02	Primary	08/23/93	51 U ± 426	Unfiltered		CEP
OS-02	Primary	11/08/93	20 U ± 120	Unfiltered		LAS
OS-02	Primary	02/23/94	-20 U ± 140	Unfiltered		LAS
OS-02	Primary	08/15/94	10 U ± 140	Unfiltered		LAS
OS-02	Primary	02/06/95	-20 U ± 200	Unfiltered		LAS
OS-02	Primary	08/08/95	-50 U ± 200	Unfiltered		LAS
OS-02	Primary	08/21/96	70 U ± 120	Unfiltered		LAS
OS-02	Primary	08/22/97	-40 U ± 110	Unfiltered		LAS
OS-02	Primary	08/19/98	-83.2 U ± 120	Unfiltered		TN
OS-03	Primary	09/13/89	7.49 U ± 132	Unfiltered		UST
OS-03	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-03	Primary	12/11/90	-35.1 U ± 207	Unfiltered		IT
OS-03	Primary	03/08/91	44.4 U ± 192	Unfiltered		IT
OS-03	Primary	12/09/91	-9.24 U ± 211	Unfiltered		IT
OS-03	Primary	06/09/92	-223 U ± 485	Unfiltered		CEP
OS-03	Primary	06/22/93	104 U ± 500	Unfiltered		CEP
OS-03	Primary	08/23/93	-120 U ± 421	Unfiltered		CEP
OS-03	Primary	11/08/93	80 U ± 140	Unfiltered		LAS
OS-03	Primary	02/23/94	0 U ± 140	Unfiltered		LAS
OS-03	Primary	08/15/94	-60 U ± 130	Unfiltered		LAS
OS-03	Primary	02/06/95	-140 U ± 190	Unfiltered		LAS
OS-03	Primary	08/08/95	150 U ± 230	Unfiltered		LAS
OS-03	Primary	08/21/96	60 U ± 130	Unfiltered		LAS
OS-03	Primary	08/22/97	-73 U ± 99	Unfiltered		LAS
OS-03	Primary	08/19/98	63.1 U ± 130	Unfiltered		TN
OS-04	Primary	09/13/89	71.2 U ± 135	Unfiltered		UST
OS-04	Split	09/13/89	<1000 U	Unfiltered		TMA

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
OS-04	Primary	12/11/90	-26.8 U ± 208	Unfiltered		IT
OS-04	Primary	06/09/92	169 U ± 488	Unfiltered		CEP
OS-04	Primary	06/22/93	-385 U ± 500	Unfiltered		CEP
OS-04	Primary	08/23/93	-477 U ± 500	Unfiltered		CEP
OS-04	Primary	02/23/94	-70 U ± 130	Unfiltered		LAS
OS-04	Primary	08/15/94	-80 U ± 120	Unfiltered		LAS
OS-04	Primary	02/06/95	-20 U ± 200	Unfiltered		LAS
OS-04	Primary	08/08/95	-90 U ± 210	Unfiltered		LAS
OS-04	Primary	08/21/96	110 U ± 130	Unfiltered		LAS
OS-04	Primary	08/22/97	0 U ± 120	Unfiltered		LAS
OS-04	Primary	08/19/98	-2.28 U ± 120	Unfiltered		TN
OS-05	Primary	09/13/89	-52.4 U ± 129	Unfiltered		UST
OS-05	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-05	Primary	12/11/90	-80.3 U ± 205	Unfiltered		IT
OS-05	Primary	03/08/91	-162 U ± 182	Unfiltered		IT
OS-05	Primary	09/09/91	129 U ± 204	Unfiltered		IT
OS-05	Primary	12/09/91	61.9 U ± 214	Unfiltered		IT
OS-05	Primary	06/09/92	91 U ± 492	Unfiltered		CEP
OS-05	Primary	09/15/92	620 ± 509	Unfiltered		CEP
OS-05	Split	09/15/92	-220 U ± 270	Unfiltered		BL
OS-05	Primary	12/17/92	20 U ± 498	Unfiltered		CEP
OS-05	Primary	06/22/93	-628 U ± 500	Unfiltered		CEP
OS-05	Primary	08/23/93	-89 U ± 434	Unfiltered		CEP
OS-05	Primary	11/08/93	20 U ± 120	Unfiltered		LAS
OS-05	Primary	02/23/94	50 U ± 150	Unfiltered		LAS
OS-05	Primary	08/08/95	60 U ± 210	Unfiltered		LAS
OS-05	Primary	08/21/96	-20 U ± 110	Unfiltered		LAS
OS-05	Primary	08/22/97	-40 U ± 110	Unfiltered		LAS
OS-05	Primary	08/19/98	-39.4 U ± 120	Unfiltered		TN
OS-05A	Primary	02/06/95	-60 U ± 190	Unfiltered		LAS
OS-05A	Primary	08/08/95	330 ± 250	Unfiltered		LAS
OS-08	Primary	09/13/89	101 U ± 140	Unfiltered		UST
OS-08	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-08	Primary	06/09/92	-172 U ± 490	Unfiltered		CEP
OS-08	Primary	06/22/93	-332 U ± 500	Unfiltered		CEP
OS-08	Primary	08/15/94	-10 U ± 140	Unfiltered		LAS
OS-09R	Primary	01/26/04	-32.5 U ± 120	Unfiltered		ES
OS-10	Primary	09/13/89	-121 U ± 126	Unfiltered		UST
OS-10	Split	09/13/89	<1000 U	Unfiltered		TMA
OS-10	Primary	12/09/91	-120 U ± 205	Unfiltered		IT
OS-10	Primary	08/15/94	10 U ± 140	Unfiltered		LAS
OS-15	Primary	12/10/91	127 U ± 224	Unfiltered		IT
OS-16	Primary	09/14/89	-100 U ± 127	Unfiltered		UST
OS-16	Split	09/14/89	<1000 U	Unfiltered		TMA
OS-16	Primary	09/09/91	-93.3 U ± 193	Unfiltered		IT
OS-16	Primary	12/10/91	148 U ± 226	Unfiltered		IT
OS-16	Primary	03/12/92	<500 U	Unfiltered		CEP
OS-17	Primary	09/13/89	37.5 U ± 132	Unfiltered		UST
OS-17	Split	09/13/89	<1000 U	Unfiltered		TMA

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
RESULTS OF ANALYSES FOR TRITIUM IN GROUNDWATER
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Tritium Concentration (picoCuries per liter)	Sample Handling	Sample Comments	Laboratory
OS-17	Primary	09/12/91	306 ± 230	Unfiltered		IT
OS-17	Primary	12/10/91	31.7 U ± 219	Unfiltered		IT
OS-17	Primary	03/12/92	<500 U	Unfiltered		CEP
OS-21	Primary	09/09/89	-160 U ± 121	Unfiltered		UST
OS-21	Split	09/09/89	<1000 U	Unfiltered		TMA
OS-21	Primary	03/09/91	-38.8 U ± 188	Unfiltered		IT
OS-21	Primary	12/10/91	-165 U ± 209	Unfiltered		IT
OS-21	Primary	03/12/92	<500 U	Unfiltered		CEP
OS-21	Primary	03/19/93	119 U ± 490	Unfiltered		CEP
<i>Municipal Water Supply</i>						
Calleguas	Primary	12/14/90	117 U ± 230	Unfiltered		IT
Calleguas	Primary	03/12/92	<500 U	Unfiltered		CEP

See last page of Table E-II for notes and abbreviations.

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TABLE E-II
NOTES AND ABBREVIATIONS

BL	=	Barringer Laboratories, Inc., Golden, Colorado.
CEP	=	Controls for Environmental Pollution, Santa Fe, New Mexico.
DL	=	Davi Laboratories, Pinole, California.
ES	=	Eberline Services (formerly Thermo Retec), Richmond, California.
IT	=	International Technologies Analytical Services (formerly UST), Richland, Washington.
LAS	=	LAS Laboratories, Inc. (formerly Lockheed Martin), Las Vegas, Nevada.
PA	=	Paragon Analytics of Fort Collins, Colorado.
STL	=	Severn Trent Laboratories, Richland, Washington.
TEL	=	Teledyne Isotopes, Westwood, New Jersey.
TMA	=	Thermoanalytical, Inc. (TMA/NORCAL), Richmond, California.
TN	=	Thermo NUtech, Richmond, California.
TR	=	Thermo Retec (formerly Thermo NUtech), Richmond, California.
UST	=	United States Testing Laboratory, Richland, Washington.
Primary	=	Primary sample.
Dup	=	Sample duplicate.
Split	=	Sample split.
Reanalysis of Primary	=	Reanalysis of primary sample.
(<)	=	Less than; numerical value represents limit of detection for that analysis.
J	=	Result is less than contract-required minimum detectable activity (MDA) and greater than or equal to the MDA.
S	=	Suspect result.
U	=	The result is less than the MDA (Minimum Detectable Activity) reported by the laboratory.
Z	=	FLUTe sample port number.

NOTES: Samples analyzed for tritium by EPA Method 906.0.

Edits were made in January 2007. Changes are summarized in Table E-V.

Results are presented as the activity plus or minus error. Any activity detected is reported by the laboratory, though the reported activity may be less than the overall laboratory error. Analytical results that are less than the instrument background count are shown as negative values.

TABLE E-III
 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
Piezometers						
PZ-101	Primary	06/02/05	ND	---	Filtered	ES
PZ-107	Primary	06/02/05	ND	---	Filtered	ES
PZ-111	Primary	06/02/05	ND	---	Filtered	ES
PZ-116	Primary	06/02/05	ND	---	Filtered	ES
Shallow Wells						
SH-11	Primary	10/17/89	ND	---	Filtered	UST
SH-11	Primary	10/31/89	ND	---	Unfiltered	UST
SH-11	Primary	10/31/89	ND	---	Filtered	UST
RS-05	Primary	10/31/89	ND	---	Unfiltered	UST
RS-05	Primary	10/31/89	ND	---	Filtered	UST
RS-11	Primary	12/06/90	ND	---	Filtered	IT
RS-11	Primary	03/04/91	ND	---	Filtered	IT
RS-11	Primary	12/07/91	ND	---	Filtered	IT
RS-11	Primary	03/05/92	ND	---	Filtered	CEP
RS-11	Primary	02/06/99	ND	---	Filtered	TN
RS-11	Primary	02/15/00	ND	---	Filtered	TR
RS-11	Primary	02/06/01	ND	---	Filtered	ES
RS-11	Primary	05/01/03	ND	---	Filtered	ES
RS-11	Primary	02/17/05	ND	---	Filtered	ES
RS-11	Primary	02/21/06	ND	---	Filtered	ES
RS-16	Primary	03/09/92	ND	---	Filtered	CEP
RS-17	Primary	12/10/90	ND	---	Filtered	IT
RS-17	Primary	12/07/91	ND	---	Filtered	IT
RS-17	Primary	12/05/92	ND	---	Filtered	CEP
RS-18	Primary	03/10/91	ND	---	Filtered	IT
RS-18	Duplicate	03/10/91	ND	---	Filtered	IT
RS-18	Primary	03/04/92	ND	---	Filtered	CEP
RS-18	Primary	12/15/92	ND	---	Filtered	CEP
RS-18	Split	12/15/92	ND	<5.2	Filtered	BL
RS-18	Primary	06/23/93	ND	---	Filtered	CEP
RS-18	Primary	11/06/93	ND	---	Filtered	LAS
RS-18	Primary	05/04/94	ND	---	Filtered	LAS
RS-18	Primary	02/17/95	ND	---	Filtered	LAS
RS-18	Primary	08/10/95	ND	---	Filtered	LAS
RS-18	Primary	05/16/96	ND	---	Filtered	LAS
RS-18	Primary	02/03/97	ND	---	Filtered	LAS
RS-18	Primary	02/05/98	ND	---	Filtered	TN
RS-18	Primary	08/05/98	ND	---	Filtered	TN
RS-18	Primary	05/12/99	ND	---	Filtered	TN
RS-18	Primary	05/09/00	ND	---	Filtered	TR
RS-18	Primary	02/19/01	ND	---	Filtered	ES
RS-18	Primary	02/23/05	ND	---	Filtered	ES
RS-18	Primary	05/02/03	ND	---	Filtered	ES
RS-18	Primary	08/26/05	ND	---	Filtered	ES
RS-18	Primary	02/20/06	ND	---	Filtered	ES
RS-25	Primary	02/25/03	ND	---	Filtered	ES
RS-27	Primary	03/04/91	ND	---	Filtered	CEP

See last page of Table E-III for notes and abbreviations.

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TABLE E-III
 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RS-28	Primary	10/19/89	ND	---	Filtered	UST
RS-28	Primary	11/01/89	ND	---	Unfiltered	UST
RS-28	Primary	11/01/89	ND	---	Filtered	UST
RS-28	Primary	12/06/90	ND	---	Filtered	IT
RS-28	Primary	03/09/91	ND	---	Filtered	IT
RS-28	Primary	12/06/91	ND	---	Filtered	IT
RS-28	Primary	03/09/92	ND	---	Filtered	CEP
RS-28	Primary	06/22/93	ND	---	Filtered	CEP
RS-28	Primary	11/06/93	ND	---	Filtered	LAS
RS-28	Primary	05/07/94	ND	---	Filtered	LAS
RS-28	Primary	05/17/95	ND	---	Filtered	LAS
RS-28	Primary	11/08/95	ND	---	Filtered	LAS
RS-28	Primary	05/16/96	ND	---	Filtered	LAS
RS-28	Primary	05/08/98	ND	---	Filtered	TN
RS-28	Primary	11/16/98	ND	---	Filtered	TN
RS-28	Primary	05/05/00	ND	---	Filtered	TR
RS-28	Primary	05/10/01	ND	---	Filtered	ES
RS-28	Primary	05/20/05	ND	---	Filtered	ES
RS-28	Primary	02/17/06	ND	---	Filtered	ES
RS-54	Primary	09/11/93	ND	---	Filtered	CEP
RS-54	Primary	09/29/93	ND	---	Filtered	CEP
RS-54	Primary	05/07/94	ND	---	Filtered	LAS
RS-54	Primary	08/07/94	ND	---	Filtered	LAS
RS-54	Primary	08/03/95	ND	---	Filtered	LAS
RS-54	Primary	05/16/96	ND	---	Filtered	LAS
RS-54	Primary	08/23/96	ND	---	Filtered	LAS
RS-54	Primary	05/03/97	ND	---	Filtered	LAS
RS-54	Primary	08/02/97	ND	---	Filtered	LAS
RS-54	Primary	08/27/97	ND	---	Filtered	LAS
RS-54	Primary	08/27/97	ND	---	Unfiltered	LAS
RS-54	Primary	02/08/98	ND	---	Filtered	TN
RS-54	Primary	08/04/98	ND	---	Filtered	TN
RS-54	Primary	02/02/99	ND	---	Unfiltered	TN
RS-54	Primary	08/18/99	ND	---	Filtered	TN
RS-54	Primary	03/15/00	ND	---	Filtered	TR
RS-54	Primary	11/01/01	ND	---	Filtered	DL
RS-54	Primary	03/01/02	ND	---	Filtered	DL
RS-54	Primary	11/07/02	ND	---	Filtered	ES
RS-54	Primary	02/16/05	ND	---	Filtered	ES
RS-54	Primary	09/06/05	ND	---	Filtered	ES
RS-54	Primary	02/23/06	ND	---	Filtered	ES
RS-54	Split	02/23/06	ND	---	Filtered	STL
ES-31	Primary	12/10/90	ND	---	Filtered	IT
ES-31	Primary	03/04/91	ND	---	Filtered	IT
ES-31	Duplicate	03/04/91	ND	---	Filtered	IT
ES-31	Primary	06/03/91	ND	---	Filtered	IT
ES-31	Primary	06/06/91	ND	---	Filtered	IT
ES-31	Primary	12/07/91	ND	---	Filtered	IT

See last page of Table E-III for notes and abbreviations.

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TABLE E-III
RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
RADIONUCLIDES IN GROUNDWATER SAMPLES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
ES-31	Primary	03/05/92	ND	---	Filtered	CEP
ES-31	Primary	02/06/99	ND	---	Filtered	TN
ES-31	Primary	02/06/00	ND	---	Filtered	TR
ES-31	Primary	02/15/01	ND	---	Filtered	ES
ES-31	Primary	02/18/02	ND	---	Filtered	DL
ES-31	Primary	02/19/03	ND	---	Filtered	ES
ES-31	Primary	03/10/05	ND	---	Filtered	ES
ES-31	Primary	02/21/06	ND	---	Filtered	ES
HAR-14	Primary	09/12/89	ND	---	Unfiltered	UST
HAR-14	Primary	09/12/89	ND	---	Filtered	UST
HAR-14	Split	09/12/89	ND	---	Filtered	TMA
HAR-14	Split	09/12/89	ND	---	Unfiltered	TMA
Chatsworth Formation Wells						
RD-06	Primary	10/18/89	ND	---	Unfiltered	UST
RD-06	Primary	10/31/89	ND	---	Unfiltered	UST
RD-06	Primary	10/31/89	ND	---	Filtered	UST
RD-06	Primary	03/06/91	ND	---	Filtered	IT
RD-06	Primary	03/10/92	ND	---	Filtered	CEP
RD-07	Primary	12/05/90	ND	---	Filtered	IT
RD-07	Primary	03/09/91	ND	---	Filtered	IT
RD-07	Primary	12/07/91	ND	---	Filtered	IT
RD-07	Primary	03/06/92	ND	---	Filtered	CEP
RD-07	Primary	08/25/97	ND	---	Filtered	LAS
RD-07	Primary	08/25/97	ND	---	Unfiltered	LAS
RD-07	Primary	02/06/99	ND	---	Filtered	TN
RD-07	Primary	03/16/00	ND	---	Filtered	TR
RD-07	Primary	02/23/01	ND	---	Filtered	ES
RD-07	Primary	02/22/02	ND	---	Filtered	DL
RD-07(Z3)	Primary	01/29/03	ND	---	Filtered	ES
RD-07(Z4)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z5)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z6)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z7)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z8)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z9)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z10)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z11)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z12)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z13)	Primary	08/25/04	ND	---	Filtered	ES
RD-07(Z3)	Primary	02/17/05	ND	---	Filtered	ES
RD-07(Z3)	Primary	02/16/06	ND	---	Filtered	ES
RD-10	Primary	03/06/91	ND	---	Filtered	IT
RD-10	Primary	03/07/92	ND	---	Filtered	CEP
RD-13	Primary	09/12/89	ND	---	Unfiltered	UST
RD-13	Primary	09/12/89	ND	---	Filtered	UST
RD-13	Split	09/12/89	ND	---	Unfiltered	TMA
RD-13	Split	09/12/89	ND	---	Filtered	TMA
RD-13	Primary	10/17/89	ND	---	Filtered	UST

See last page of Table E-III for notes and abbreviations.

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-13	Primary	10/31/89	ND	---	Filtered	UST
RD-13	Primary	12/06/90	ND	---	Filtered	IT
RD-13	Primary	03/08/91	ND	---	Filtered	IT
RD-13	Primary	12/10/91	ND	---	Filtered	IT
RD-13	Primary	03/12/92	ND	---	Filtered	CEP
RD-13	Primary	08/26/97	ND	---	Filtered	LAS
RD-13	Primary	08/26/97	ND	---	Unfiltered	LAS
RD-14	Primary	10/18/89	ND	---	Unfiltered	UST
RD-14	Primary	10/18/89	ND	---	Filtered	UST
RD-14	Primary	10/31/89	ND	---	Unfiltered	UST
RD-14	Primary	10/31/89	ND	---	Filtered	UST
RD-14	Primary	12/07/90	ND	---	Filtered	IT
RD-14	Primary	03/09/91	ND	---	Filtered	IT
RD-14	Primary	12/06/91	ND	---	Filtered	IT
RD-14	Primary	03/05/92	ND	---	Filtered	CEP
RD-15	Primary	10/19/89	ND	---	Filtered	UST
RD-15	Primary	12/07/90	ND	---	Filtered	IT
RD-15	Primary	03/10/91	ND	---	Filtered	IT
RD-15	Primary	12/06/91	ND	---	Filtered	IT
RD-15	Primary	03/11/92	ND	---	Filtered	CEP
RD-15	Split	03/11/92	ND	---	Filtered	TEL
RD-15	Primary	05/10/01	ND	---	Filtered	ES
RD-15	Primary	03/06/02	ND	---	Filtered	DL
RD-15	Primary	02/26/03	ND	---	Filtered	ES
RD-15	Primary	02/01/04	ND	---	Filtered	ES
RD-15	Primary	02/14/05	ND	---	Filtered	ES
RD-15	Primary	02/16/06	ND	---	Filtered	ES
RD-15	Split	02/16/06	ND	---	Filtered	STL
RD-16	Primary	10/25/89	ND	---	Filtered	UST
RD-16	Primary	12/07/90	ND	---	Filtered	IT
RD-16	Primary	03/09/91	ND	---	Filtered	IT
RD-16	Primary	12/05/91	ND	---	Filtered	IT
RD-16	Primary	06/06/92	ND	---	Filtered	CEP
RD-16	Primary	05/27/98	ND	---	Filtered	TN
RD-17	Primary	10/18/89	ND	---	Filtered	UST
RD-17	Duplicate	10/18/89	ND	---	Filtered	UST
RD-17	Primary	10/31/89	ND	---	Unfiltered	UST
RD-17	Primary	12/04/90	ND	---	Filtered	IT
RD-17	Primary	03/05/91	ND	---	Filtered	IT
RD-17	Primary	12/07/91	ND	---	Filtered	IT
RD-17	Split	12/07/91	ND	---	Filtered	CEP
RD-17	Primary	03/04/92	ND	---	Filtered	CEP
RD-17	Primary	02/08/99	ND	---	Filtered	TN
RD-17	Primary	02/21/00	ND	---	Filtered	TR
RD-17	Primary	02/14/01	ND	---	Filtered	ES
RD-17	Primary	03/01/02	ND	---	Filtered	DL
RD-17	Primary	02/24/03	ND	---	Filtered	ES
RD-17	Primary	02/23/04	ND	---	Filtered	ES

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-17	Primary	02/15/05	ND	---	Filtered	ES
RD-17	Primary	02/16/06	ND	---	Filtered	ES
RD-18	Primary	10/26/89	ND	---	Filtered	UST
RD-18	Primary	12/08/90	ND	---	Filtered	IT
RD-18	Primary	03/09/91	ND	---	Filtered	IT
RD-18	Primary	12/11/91	ND	---	Filtered	IT
RD-18	Primary	03/12/92	ND	---	Filtered	CEP
RD-19	Primary	10/26/89	ND	---	Filtered	UST
RD-19	Primary	12/08/90	ND	---	Filtered	IT
RD-19	Duplicate	12/08/90	ND	---	Filtered	IT
RD-19	Primary	03/08/91	ND	---	Filtered	IT
RD-19	Duplicate	03/08/91	ND	---	Filtered	IT
RD-19	Primary	12/11/91	ND	---	Filtered	IT
RD-19	Primary	03/12/92	ND	---	Filtered	CEP
RD-20	Primary	10/17/89	ND	---	Filtered	UST
RD-20	Primary	10/31/89	ND	---	Unfiltered	UST
RD-20	Primary	12/07/90	ND	---	Filtered	IT
RD-20	Primary	12/10/90	ND	---	Filtered	IT
RD-20	Primary	03/05/91	ND	---	Filtered	IT
RD-20	Primary	12/10/91	ND	---	Filtered	IT
RD-20	Primary	03/04/92	ND	---	Filtered	CEP
RD-21	Primary	10/31/89	ND	---	Filtered	UST
RD-21	Primary	12/03/90	ND	---	Filtered	IT
RD-21	Primary	03/08/91	ND	---	Filtered	IT
RD-21	Primary	12/05/91	ND	---	Filtered	IT
RD-21	Primary	03/04/92	ND	---	Filtered	CEP
RD-21	Primary	03/06/93	ND	---	Filtered	CEP
RD-21	Primary	06/22/93	ND	---	Filtered	CEP
RD-21	Primary	08/06/93	ND	---	Filtered	CEP
RD-21	Primary	11/06/93	ND	---	Filtered	LAS
RD-21	Primary	02/25/94	ND	---	Filtered	LAS
RD-21	Primary	08/08/94	ND	---	Filtered	LAS
RD-21	Primary	02/08/95	ND	---	Filtered	LAS
RD-21	Primary	08/31/95	ND	---	Filtered	LAS
RD-21	Primary	02/16/96	ND	---	Filtered	LAS
RD-21	Primary	08/18/96	ND	---	Filtered	LAS
RD-21	Primary	02/06/97	ND	---	Filtered	LAS
RD-21	Primary	02/09/98	ND	---	Filtered	TN
RD-21	Primary	02/16/99	ND	---	Filtered	TN
RD-21	Primary	03/15/00	ND	---	Filtered	TR
RD-21	Primary	10/24/01	ND	---	Filtered	DL
RD-21	Primary	03/06/02	ND	---	Filtered	DL
RD-21(Z2)	Primary	02/25/03	ND	---	Filtered	ES
RD-21(Z2)	Primary	11/04/04	ND	---	Filtered	ES
RD-21(Z2)	Primary	02/16/05	ND	---	Filtered	ES
RD-21(Z2)	Primary	02/16/06	ND	---	Filtered	ES
RD-22	Primary	10/19/89	ND	---	Filtered	UST
RD-22	Primary	12/04/90	ND	---	Filtered	IT

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-22	Duplicate	12/04/90	ND	---	Filtered	IT
RD-22	Primary	03/11/91	ND	---	Filtered	IT
RD-22	Primary	12/06/91	ND	---	Filtered	IT
RD-22	Primary	06/05/92	ND	---	Filtered	CEP
RD-22	Primary	03/20/93	ND	---	Filtered	CEP
RD-22	Primary	06/22/93	ND	---	Filtered	CEP
RD-22	Primary	08/05/93	ND	---	Filtered	CEP
RD-22	Primary	11/21/93	ND	---	Filtered	LAS
RD-22	Primary	02/24/94	ND	---	Filtered	LAS
RD-22	Primary	08/09/94	ND	---	Filtered	LAS
RD-22	Primary	02/17/95	ND	---	Filtered	LAS
RD-22	Primary	08/29/95	ND	---	Filtered	LAS
RD-22	Primary	02/16/96	ND	---	Filtered	LAS
RD-22	Primary	08/18/96	ND	---	Filtered	LAS
RD-22	Primary	02/26/97	ND	---	Filtered	LAS
RD-22	Primary	05/28/98	ND	---	Filtered	TN
RD-22	Primary	02/17/99	ND	---	Filtered	TN
RD-22	Primary	02/06/00	ND	---	Filtered	TR
RD-22	Primary	02/16/01	ND	---	Filtered	ES
RD-22	Primary	02/20/02	ND	---	Filtered	DL
RD-22(Z2)	Primary	02/24/03	ND	---	Filtered	ES
RD-22(Z2)	Primary	11/12/04	ND	---	Filtered	ES
RD-22(Z2)	Primary	02/17/05	ND	---	Filtered	ES
RD-22(Z2)	Primary	02/15/06	ND	---	Filtered	ES
RD-23	Primary	11/01/89	ND	---	Filtered	UST
RD-23	Primary	06/29/90	ND	---	Filtered	UST
RD-23	Primary	12/05/90	ND	---	Filtered	IT
RD-23	Primary	03/11/91	ND	---	Filtered	IT
RD-23	Duplicate	03/11/91	ND	---	Filtered	IT
RD-23	Primary	12/05/91	ND	---	Filtered	IT
RD-23	Primary	03/04/92	ND	---	Filtered	CEP
RD-23	Primary	03/21/93	ND	---	Filtered	CEP
RD-23	Primary	06/23/93	ND	---	Filtered	CEP
RD-23	Primary	08/06/93	ND	---	Filtered	CEP
RD-23	Primary	11/06/93	ND	---	Filtered	LAS
RD-23	Primary	02/25/94	ND	---	Filtered	LAS
RD-23	Primary	08/08/94	ND	---	Filtered	LAS
RD-23	Primary	11/22/94	ND	---	Filtered	LAS
RD-23	Primary	02/05/95	ND	---	Filtered	LAS
RD-23	Primary	08/03/95	ND	---	Filtered	LAS
RD-23	Primary	02/16/96	ND	---	Filtered	LAS
RD-23	Primary	08/18/96	ND	---	Filtered	LAS
RD-23	Primary	02/27/97	ND	---	Filtered	LAS
RD-23	Primary	02/07/98	ND	---	Filtered	TN
RD-23	Primary	02/08/99	ND	---	Filtered	TN
RD-23	Primary	02/05/00	ND	---	Filtered	TR
RD-23	Primary	10/25/01	ND	---	Filtered	DL
RD-23	Primary	03/01/02	ND	---	Filtered	DL

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-23(Z1)	Primary	02/26/03	ND	---	Filtered	ES
RD-23(Z2)	Primary	11/03/04	ND	---	Filtered	ES
RD-23(Z2)	Primary	02/14/05	ND	---	Filtered	ES
RD-23(Z2)	Primary	02/17/06	ND	---	Filtered	ES
RD-24	Primary	09/12/89	ND	---	Unfiltered	UST
RD-24	Primary	09/12/89	ND	---	Filtered	UST
RD-24	Split	09/12/89	ND	---	Unfiltered	TMA
RD-24	Split	09/12/89	ND	---	Filtered	TMA
RD-24	Primary	10/17/89	ND	---	Filtered	UST
RD-24	Primary	10/31/89	ND	---	Unfiltered	UST
RD-24	Primary	12/05/90	ND	---	Filtered	IT
RD-24	Primary	03/06/91	ND	---	Filtered	IT
RD-24	Primary	12/11/91	ND	---	Filtered	IT
RD-24	Primary	03/06/92	ND	---	Filtered	CEP
RD-24	Primary	02/23/94	ND	---	Filtered	LAS
RD-24	Primary	08/08/94	ND	---	Filtered	LAS
RD-24	Primary	02/16/95	ND	---	Filtered	LAS
RD-24	Primary	02/07/96	ND	---	Filtered	LAS
RD-24	Primary	02/07/97	ND	---	Filtered	LAS
RD-24	Primary	02/18/98	ND	---	Filtered	TN
RD-24	Primary	05/05/98	ND	---	Filtered	TN
RD-24	Primary	02/02/99	ND	---	Filtered	TN
RD-24	Primary	08/11/99	ND	---	Filtered	TN
RD-24	Primary	02/03/00	ND	---	Filtered	TR
RD-24	Primary	08/04/00	ND	---	Filtered	TR
RD-24	Primary	02/06/01	ND	---	Filtered	ES
RD-24	Primary	02/25/02	ND	---	Filtered	DL
RD-24	Primary	11/06/02	ND	---	Filtered	ES
RD-24	Primary	02/12/03	ND	---	Filtered	ES
RD-24	Primary	11/14/03	ND	---	Filtered	ES
RD-24	Split	11/14/03	ND	---	Filtered	STL
RD-24	Primary	02/23/04	ND	---	Filtered	ES
RD-24	Primary	08/26/04	ND	---	Filtered	ES
RD-24	Primary	02/24/05	ND	---	Filtered	ES
RD-24	Primary	02/24/05	K-40	22.1 J ± 17	Filtered	ES
RD-24	Primary	09/06/05	ND	---	Filtered	ES
RD-24	Primary	02/15/06	ND	---	Filtered	ES
RD-24	Primary	08/10/06	ND	---	Filtered	ES
RD-25	Primary	09/12/89	ND	---	Unfiltered	UST
RD-25	Primary	09/12/89	ND	---	Filtered	UST
RD-25	Split	09/12/89	ND	---	Unfiltered	TMA
RD-25	Split	09/12/89	ND	---	Filtered	TMA
RD-25	Primary	10/31/89	ND	---	Unfiltered	UST
RD-25	Primary	12/05/90	ND	---	Filtered	IT
RD-25	Primary	03/06/91	ND	---	Filtered	IT
RD-25	Primary	12/10/91	ND	---	Filtered	IT
RD-25	Primary	03/06/92	ND	---	Filtered	CEP
RD-25	Primary	02/28/94	ND	---	Filtered	LAS

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-25	Primary	08/17/94	ND	---	Filtered	LAS
RD-25	Primary	02/09/95	ND	---	Filtered	LAS
RD-25	Primary	08/18/95	ND	---	Filtered	LAS
RD-25	Primary	02/06/96	ND	---	Filtered	LAS
RD-25	Primary	08/20/96	ND	---	Filtered	LAS
RD-25	Primary	02/07/97	ND	---	Filtered	LAS
RD-25	Primary	08/21/97	ND	---	Filtered	LAS
RD-25	Primary	02/05/98	ND	---	Filtered	TN
RD-25	Primary	08/18/98	ND	---	Filtered	TN
RD-25	Primary	02/16/99	ND	---	Filtered	TN
RD-25	Primary	08/19/99	ND	---	Filtered	TN
RD-25	Primary	02/16/00	ND	---	Filtered	TR
RD-25	Primary	08/09/00	ND	---	Filtered	TR
RD-25	Primary	02/07/01	ND	---	Filtered	ES
RD-25	Primary	10/25/01	ND	---	Filtered	DL
RD-25	Primary	03/07/02	ND	---	Filtered	DL
RD-25	Primary	11/06/02	ND	---	Filtered	ES
RD-25	Primary	02/24/03	ND	---	Filtered	ES
RD-25	Primary	11/13/03	ND	---	Filtered	ES
RD-25	Primary	02/23/04	ND	---	Filtered	ES
RD-25	Split	02/23/04	ND	---	Filtered	STL
RD-26	Primary	10/31/89	ND	---	Unfiltered	UST
RD-26	Primary	12/04/90	ND	---	Filtered	IT
RD-26	Primary	03/07/91	ND	---	Filtered	IT
RD-26	Primary	03/11/91	ND	---	Filtered	CEP
RD-27	Primary	10/19/89	ND	---	Unfiltered	UST
RD-27	Primary	12/04/90	ND	---	Filtered	IT
RD-27	Primary	03/07/91	ND	---	Filtered	IT
RD-27	Primary	12/06/91	ND	---	Filtered	IT
RD-27	Primary	03/09/92	ND	---	Filtered	CEP
RD-27	Primary	02/05/96	ND	---	Filtered	LAS
RD-27	Primary	08/27/97	ND	---	Filtered	LAS
RD-27	Primary	08/27/97	ND	---	Unfiltered	LAS
RD-27	Primary	02/16/99	ND	---	Filtered	TN
RD-27	Primary	08/17/99	ND	---	Filtered	TN
RD-27	Primary	02/21/00	ND	---	Filtered	TR
RD-27	Primary	08/04/00	ND	---	Filtered	TR
RD-27	Primary	02/14/01	ND	---	Filtered	ES
RD-27	Primary	10/27/01	ND	---	Filtered	DL
RD-27	Primary	03/06/02	ND	---	Filtered	DL
RD-27	Primary	08/22/02	ND	---	Filtered	ES
RD-27	Primary	05/14/03	ND	---	Filtered	ES
RD-27	Primary	11/14/03	ND	---	Filtered	ES
RD-27	Split	11/14/03	ND	---	Filtered	STL
RD-27	Primary	02/23/04	ND	---	Filtered	ES
RD-27	Primary	08/10/04	ND	---	Filtered	ES
RD-27	Primary	02/17/05	ND	---	Filtered	ES
RD-27	Primary	08/24/05	ND	---	Filtered	ES

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 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-27	Primary	02/20/06	ND	---	Filtered	ES
RD-27	Primary	08/25/06	ND	---	Filtered	ES
RD-28	Primary	09/13/89	ND	---	Filtered	UST
RD-28	Primary	09/13/89	ND	---	Unfiltered	UST
RD-28	Split	09/13/89	ND	---	Unfiltered	TMA
RD-28	Split	09/13/89	ND	---	Filtered	TMA
RD-28	Primary	10/19/89	ND	---	Filtered	UST
RD-28	Primary	12/05/90	ND	---	Filtered	IT
RD-28	Primary	03/06/91	ND	---	Filtered	IT
RD-28	Primary	12/10/91	ND	---	Filtered	IT
RD-28	Split	12/10/91	ND	---	Filtered	CEP
RD-28	Primary	03/06/92	ND	---	Filtered	CEP
RD-28	Split	03/06/92	ND	---	Filtered	TEL
RD-28	Primary	03/17/93	ND	---	Filtered	CEP
RD-28	Primary	02/24/94	ND	---	Filtered	LAS
RD-28	Primary	08/17/94	ND	---	Filtered	LAS
RD-28	Primary	02/09/95	ND	---	Filtered	LAS
RD-28	Primary	08/18/95	ND	---	Filtered	LAS
RD-28	Primary	02/06/96	ND	---	Filtered	LAS
RD-28	Primary	08/20/96	ND	---	Filtered	LAS
RD-28	Primary	02/06/97	ND	---	Filtered	LAS
RD-28	Primary	08/28/97	ND	---	Filtered	LAS
RD-28	Primary	08/28/97	ND	---	Unfiltered	LAS
RD-28	Primary	02/05/98	ND	---	Filtered	TN
RD-28	Primary	08/18/98	ND	---	Filtered	TN
RD-28	Primary	02/16/99	ND	---	Filtered	TN
RD-28	Primary	08/19/99	ND	---	Filtered	TN
RD-28	Primary	02/16/00	ND	---	Filtered	TR
RD-28	Primary	08/09/00	ND	---	Filtered	TR
RD-28	Primary	02/07/01	ND	---	Filtered	ES
RD-28	Primary	10/25/01	ND	---	Filtered	DL
RD-28	Primary	02/25/02	ND	---	Filtered	DL
RD-28	Primary	11/06/02	ND	---	Filtered	ES
RD-28	Primary	02/24/03	ND	---	Filtered	ES
RD-28	Primary	11/14/03	ND	---	Filtered	ES
RD-28	Primary	02/23/04	ND	---	Filtered	ES
RD-28	Split	02/23/04	ND	---	Filtered	STL
RD-29	Primary	10/18/89	ND	---	Filtered	UST
RD-29	Primary	10/31/89	ND	---	Filtered	UST
RD-29	Primary	12/06/90	ND	---	Filtered	IT
RD-29	Duplicate	12/06/90	ND	---	Filtered	IT
RD-29	Primary	03/05/91	ND	---	Filtered	IT
RD-29	Primary	12/10/91	ND	---	Filtered	IT
RD-29	Split	12/10/91	ND	---	Filtered	CEP
RD-29	Primary	03/03/92	ND	---	Filtered	CEP
RD-29	Primary	03/05/93	ND	---	Filtered	CEP
RD-29	Primary	02/26/94	ND	---	Filtered	LAS
RD-29	Primary	05/09/01	ND	---	Filtered	ES

See last page of Table E-III for notes and abbreviations.

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-29	Primary	05/03/02	ND	---	Filtered	DL
RD-29	Primary	05/13/03	ND	---	Filtered	ES
RD-29	Primary	02/24/04	ND	---	Filtered	ES
RD-29	Primary	02/24/05	ND	---	Filtered	ES
RD-29	Primary	02/16/06	ND	---	Filtered	ES
RD-30	Primary	10/19/89	ND	---	Filtered	UST
RD-30	Primary	06/29/90	ND	---	Filtered	UST
RD-30	Primary	12/06/90	ND	---	Filtered	IT
RD-30	Primary	03/09/91	ND	---	Filtered	IT
RD-30	Primary	12/06/91	ND	---	Filtered	IT
RD-30	Primary	06/03/92	ND	---	Filtered	CEP
RD-30	Split	06/03/92	ND	---	Filtered	TEL
RD-30	Primary	03/21/93	ND	---	Filtered	CEP
RD-30	Primary	02/26/94	ND	---	Filtered	LAS
RD-30	Primary	08/09/94	ND	---	Filtered	LAS
RD-30	Primary	02/08/95	ND	---	Filtered	LAS
RD-30	Primary	08/19/95	ND	---	Filtered	LAS
RD-30	Primary	02/28/96	ND	---	Filtered	LAS
RD-30	Primary	08/20/96	ND	---	Filtered	LAS
RD-30	Primary	02/25/97	ND	---	Filtered	LAS
RD-30	Primary	08/27/97	ND	---	Filtered	LAS
RD-30	Primary	08/27/97	ND	---	Unfiltered	LAS
RD-30	Primary	05/28/98	ND	---	Filtered	TN
RD-30	Primary	08/05/98	ND	---	Filtered	TN
RD-30	Primary	02/05/99	ND	---	Filtered	TN
RD-30	Primary	05/05/00	ND	---	Filtered	TR
RD-30	Primary	08/08/00	ND	---	Filtered	TR
RD-30	Primary	05/09/01	ND	---	Filtered	ES
RD-30	Primary	11/09/01	ND	---	Filtered	DL
RD-30	Primary	03/11/02	ND	---	Filtered	DL
RD-30	Primary	08/30/02	ND	---	Filtered	ES
RD-30	Primary	02/07/03	ND	---	Filtered	ES
RD-30	Primary	11/14/03	ND	---	Filtered	ES
RD-30	Primary	08/10/04	ND	---	Filtered	ES
RD-30	Primary	02/24/04	ND	---	Filtered	ES
RD-30	Primary	08/10/04	ND	---	Filtered	ES
RD-30	Primary	08/10/04	ND	---	Filtered	ES
RD-30	Primary	08/10/04	ND	---	Filtered	ES
RD-30	Primary	08/29/05	ND	---	Filtered	ES
RD-30	Split	08/29/05	ND	---	Filtered	STL
RD-30	Primary	02/17/06	ND	---	Filtered	ES
RD-30	Primary	08/09/06	ND	---	Filtered	ES
RD-30	Split	08/09/06	ND	---	Filtered	STL
RD-31	Primary	10/24/89	ND	---	Unfiltered	UST
RD-31	Primary	12/05/90	ND	---	Filtered	IT
RD-31	Primary	03/10/91	ND	---	Filtered	IT
RD-31	Primary	03/05/92	ND	---	Filtered	CEP

See last page of Table E-III for notes and abbreviations.

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-33A	Primary	12/05/91	ND	---	Filtered	IT
RD-33A	Primary	12/12/91	ND	---	Filtered	IT
RD-33A	Split	12/12/91	ND	---	Filtered	CEP
RD-33A	Primary	06/08/92	ND	---	Filtered	CEP
RD-33A	Primary	09/15/92	ND	---	Filtered	CEP
RD-33A	Primary	12/05/92	ND	---	Filtered	CEP
RD-33A	Primary	08/24/93	ND	---	Filtered	CEP
RD-33A	Primary	02/27/94	ND	---	Filtered	LAS
RD-33A	Primary	05/10/94	ND	---	Filtered	LAS
RD-33A	Primary	05/10/94	ND	---	Unfiltered	LAS
RD-33A	Primary	08/18/94	ND	---	Filtered	LAS
RD-33A	Primary	02/07/95	ND	---	Filtered	LAS
RD-33A	Primary	08/09/95	ND	---	Filtered	LAS
RD-33A	Primary	02/19/96	ND	---	Filtered	LAS
RD-33A	Primary	08/23/96	ND	---	Filtered	LAS
RD-33A	Primary	02/25/97	ND	---	Filtered	LAS
RD-33A	Primary	08/27/97	ND	---	Filtered	LAS
RD-33A	Primary	08/27/97	ND	---	Unfiltered	LAS
RD-33A	Primary	05/27/98	ND	---	Filtered	TN
RD-33A	Primary	08/17/98	ND	---	Filtered	TN
RD-33A	Primary	02/03/99	ND	---	Filtered	TN
RD-33A	Primary	02/09/00	ND	---	Filtered	TR
RD-33A	Primary	05/14/01	ND	---	Filtered	ES
RD-33A	Primary	02/15/02	ND	---	Filtered	DL
RD-33A(Z4)	Primary	01/30/03	ND	---	Filtered	ES
RD-33A(Z2)	Primary	11/15/04	ND	---	Filtered	ES
RD-33A(Z3)	Primary	02/17/05	ND	---	Filtered	ES
RD-33A(Z2)	Primary	02/17/06	ND	---	Filtered	ES
RD-33B	Primary	12/12/91	ND	---	Filtered	IT
RD-33B	Split	12/12/91	ND	---	Filtered	CEP
RD-33B	Primary	06/24/92	ND	---	Filtered	CEP
RD-33B	Primary	09/15/92	ND	---	Filtered	CEP
RD-33B	Primary	12/05/92	ND	---	Filtered	CEP
RD-33B	Primary	08/24/93	ND	---	Filtered	CEP
RD-33B	Primary	02/27/94	Cobalt-60	8.9 ± 2	Filtered	LAS
RD-33B	Primary	02/27/94	Cesium-137	21.6 ± 7.6	Filtered	LAS
RD-33B	Reanalysis of Primary	02/27/94	ND	---	Filtered	LAS
RD-33B	Primary	05/10/94	ND	---	Filtered	LAS
RD-33B	Primary	05/10/94	ND	---	Unfiltered	LAS
RD-33B	Primary	08/18/94	ND	---	Filtered	LAS
RD-33B	Primary	02/07/95	ND	---	Filtered	LAS
RD-33B	Primary	08/09/95	ND	---	Filtered	LAS
RD-33B	Primary	02/19/96	ND	---	Filtered	LAS
RD-33B	Primary	08/23/96	ND	---	Filtered	LAS
RD-33B	Primary	02/25/97	ND	---	Filtered	LAS
RD-33B	Primary	08/22/97	ND	---	Filtered	LAS
RD-33B	Primary	05/27/98	ND	---	Filtered	TN
RD-33B	Primary	08/17/98	ND	---	Filtered	TN

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-33B	Primary	02/03/99	ND	---	Filtered	TN
RD-33B	Primary	02/09/00	ND	---	Filtered	TR
RD-33B	Primary	02/17/01	ND	---	Filtered	ES
RD-33B	Primary	02/15/02	ND	---	Filtered	DL
RD-33B	Primary	02/11/03	ND	---	Filtered	ES
RD-33B	Primary	11/04/04	Cesium-137	32.6 ± 4.6	Filtered	ES
RD-33B	Primary	02/17/05	ND	---	Filtered	ES
RD-33B	Split	02/17/05	ND	---	Filtered	STL
RD-33B	Primary	02/16/06	ND	---	Filtered	ES
RD-33C	Primary	12/05/91	ND	---	Filtered	IT
RD-33C	Primary	12/12/91	ND	---	Filtered	IT
RD-33C	Split	12/12/91	ND	---	Filtered	CEP
RD-33C	Primary	06/08/92	ND	---	Filtered	CEP
RD-33C	Primary	09/15/92	ND	---	Filtered	CEP
RD-33C	Primary	12/05/92	ND	---	Filtered	CEP
RD-33C	Primary	08/24/93	ND	---	Filtered	CEP
RD-33C	Primary	02/27/94	ND	---	Filtered	LAS
RD-33C	Primary	05/09/94	ND	---	Filtered	LAS
RD-33C	Primary	05/09/94	ND	---	Unfiltered	LAS
RD-33C	Primary	08/17/94	ND	---	Filtered	LAS
RD-33C	Primary	02/07/95	ND	---	Filtered	LAS
RD-33C	Primary	08/09/95	ND	---	Filtered	LAS
RD-33C	Primary	02/19/96	ND	---	Filtered	LAS
RD-33C	Primary	08/22/96	ND	---	Filtered	LAS
RD-33C	Primary	02/25/97	ND	---	Filtered	LAS
RD-33C	Primary	08/21/97	ND	---	Filtered	LAS
RD-33C	Primary	05/27/98	ND	---	Filtered	TN
RD-33C	Primary	08/17/98	ND	---	Filtered	TN
RD-33C	Primary	02/03/99	ND	---	Filtered	TN
RD-33C	Primary	02/09/00	ND	---	Filtered	TR
RD-33C	Primary	02/17/01	ND	---	Filtered	ES
RD-33C	Primary	02/15/02	ND	---	Filtered	DL
RD-33C	Primary	02/10/03	ND	---	Filtered	ES
RD-33C	Primary	11/04/04	ND	---	Filtered	ES
RD-33C	Split	11/04/04	ND	---	Filtered	STL
RD-33C	Primary	02/16/05	ND	---	Filtered	ES
RD-33C	Primary	02/16/06	ND	---	Filtered	ES
RD-34A	Primary	12/05/91	ND	---	Filtered	IT
RD-34A	Split	12/05/91	ND	---	Filtered	CEP
RD-34A	Primary	03/10/92	ND	---	Filtered	CEP
RD-34A	Split	03/10/92	ND	---	Filtered	TEL
RD-34A	Primary	06/08/92	ND	---	Filtered	CEP
RD-34A	Primary	09/13/92	ND	---	Filtered	CEP
RD-34A	Split	09/13/92	ND	<24	Filtered	BL
RD-34A	Primary	12/05/92	ND	---	Filtered	CEP
RD-34A	Split	12/05/92	ND	<2	Filtered	BL
RD-34A	Primary	03/09/93	ND	---	Filtered	CEP
RD-34A	Primary	08/24/93	ND	---	Filtered	CEP

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 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-34A	Primary	11/18/93	ND	---	Filtered	LAS
RD-34A	Primary	02/26/94	Cobalt-60	14.6 ± 2.3	Filtered	LAS
RD-34A	Primary	02/26/94	Cesium-137	19 ± 7.3	Filtered	LAS
RD-34A	Reanalysis of primary	02/26/94	ND	---	Filtered	LAS
RD-34A	Primary	05/09/94	ND	---	Filtered	LAS
RD-34A	Primary	05/09/94	ND	---	Unfiltered	LAS
RD-34A	Primary	08/09/94	Cesium-137	9.2 ± 4.4	Filtered	LAS
RD-34A	Reanalysis of primary	08/09/94	ND	---	Filtered	LAS
RD-34A	Primary	02/07/95	ND	---	Filtered	LAS
RD-34A	Primary	08/09/95	ND	---	Filtered	LAS
RD-34A	Primary	02/19/96	ND	---	Filtered	LAS
RD-34A	Primary	08/18/96	ND	---	Filtered	LAS
RD-34A	Primary	02/07/97	ND	---	Filtered	LAS
RD-34A	Primary	05/27/98	ND	---	Filtered	TN
RD-34A	Primary	08/18/98	ND	---	Filtered	TN
RD-34A	Primary	05/09/01	ND	---	Filtered	ES
RD-34A	Primary	05/16/03	ND	---	Filtered	ES
RD-34A	Primary	05/17/04	ND	---	Filtered	ES
RD-34A	Primary	08/09/04	ND	---	Filtered	ES
RD-34A	Primary	02/17/05	ND	---	Filtered	ES
RD-34A	Primary	02/21/06	ND	---	Filtered	ES
RD-34B	Primary	12/05/91	ND	---	Filtered	IT
RD-34B	Primary	03/10/92	ND	---	Filtered	CEP
RD-34B	Split	03/10/92	ND	---	Filtered	TEL
RD-34B	Primary	06/08/92	ND	---	Filtered	CEP
RD-34B	Primary	09/13/92	ND	---	Filtered	CEP
RD-34B	Split	09/13/92	ND	<26	Filtered	BL
RD-34B	Primary	12/05/92	ND	---	Filtered	CEP
RD-34B	Primary	03/09/93	Cobalt-60	80 ± 17	Filtered	CEP
RD-34B	Reanalysis of primary	03/09/93	ND	---	Filtered	CEP
RD-34B	Primary	08/24/93	ND	---	Filtered	CEP
RD-34B	Primary	02/26/94	ND	---	Filtered	LAS
RD-34B	Primary	05/10/94	ND	---	Filtered	LAS
RD-34B	Primary	05/10/94	ND	---	Unfiltered	LAS
RD-34B	Primary	08/09/94	ND	---	Filtered	LAS
RD-34B	Primary	02/07/95	ND	---	Filtered	LAS
RD-34B	Primary	08/09/95	ND	---	Filtered	LAS
RD-34B	Primary	02/19/96	ND	---	Filtered	LAS
RD-34B	Primary	08/18/96	ND	---	Filtered	LAS
RD-34B	Primary	02/07/97	ND	---	Filtered	LAS
RD-34B	Primary	08/21/97	ND	---	Filtered	LAS
RD-34B	Primary	05/27/98	ND	---	Filtered	TN
RD-34B	Primary	08/18/98	ND	---	Filtered	TN
RD-34B	Primary	02/04/99	ND	---	Filtered	TN
RD-34B	Primary	02/05/00	ND	---	Filtered	TR
RD-34B	Primary	02/16/01	ND	---	Filtered	ES
RD-34B	Primary	02/15/02	ND	---	Filtered	DL
RD-34B	Primary	02/06/03	ND	---	Filtered	ES

See last page of Table E-III for notes and abbreviations.

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 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-34B	Primary	02/24/04	ND	---	Filtered	ES
RD-34B	Primary	02/15/05	ND	---	Filtered	ES
RD-34B	Primary	02/15/05	K-40	29.7 J ± 19	Filtered	ES
RD-34B	Primary	02/17/06	ND	---	Filtered	ES
RD-34C	Primary	12/06/91	ND	---	Filtered	IT
RD-34C	Primary	03/10/92	ND	---	Filtered	CEP
RD-34C	Split	03/10/92	ND	---	Filtered	TEL
RD-34C	Primary	06/08/92	ND	---	Filtered	CEP
RD-34C	Primary	09/13/92	ND	---	Filtered	CEP
RD-34C	Split	09/13/92	ND	<29	Filtered	BL
RD-34C	Primary	12/05/92	ND	---	Filtered	CEP
RD-34C	Primary	03/09/93	ND	---	Filtered	CEP
RD-34C	Primary	08/24/93	ND	---	Filtered	CEP
RD-34C	Primary	02/26/94	ND	---	Filtered	LAS
RD-34C	Primary	05/09/94	ND	---	Filtered	LAS
RD-34C	Primary	05/09/94	ND	---	Unfiltered	LAS
RD-34C	Primary	08/09/94	ND	---	Filtered	LAS
RD-34C	Primary	02/07/95	ND	---	Filtered	LAS
RD-34C	Primary	08/10/95	ND	---	Filtered	LAS
RD-34C	Primary	02/19/96	ND	---	Filtered	LAS
RD-34C	Primary	08/19/96	ND	---	Filtered	LAS
RD-34C	Primary	02/07/97	ND	---	Filtered	LAS
RD-34C	Primary	08/21/97	ND	---	Filtered	LAS
RD-34C	Primary	05/27/98	ND	---	Filtered	TN
RD-34C	Primary	08/17/98	ND	---	Filtered	TN
RD-34C	Primary	02/04/99	ND	---	Filtered	TN
RD-34C	Primary	02/05/00	ND	---	Filtered	TR
RD-34C	Primary	02/16/01	ND	---	Filtered	ES
RD-34C	Primary	02/14/02	ND	---	Filtered	DL
RD-34C	Primary	02/06/03	ND	---	Filtered	ES
RD-34C	Primary	02/24/04	ND	---	Filtered	ES
RD-34C	Primary	02/15/05	ND	---	Filtered	ES
RD-34C	Primary	02/21/06	ND	---	Filtered	ES
RD-34C	Split	02/21/06	ND	---	Filtered	STL
RD-35B	Primary	05/07/99	ND	---	Filtered	TN
RD-38B	Primary	02/17/99	ND	---	Filtered	TN
RD-44	Primary	08/24/97	ND	---	Filtered	LAS
RD-45C	Primary	10/06/94	ND	---	Filtered	LAS
RD-46B	Primary	02/15/99	ND	---	Filtered	TN
RD-47	Primary	08/24/97	ND	---	Filtered	LAS
RD-50	Primary	05/05/94	ND	---	Filtered	LAS
RD-50	Primary	05/19/95	ND	---	Filtered	LAS
RD-50	Primary	05/14/96	ND	---	Filtered	LAS
RD-50	Primary	05/05/97	ND	---	Filtered	LAS
RD-50	Primary	05/28/98	ND	---	Filtered	TN
RD-51C	Primary	12/14/91	ND	---	Filtered	IT
RD-51C	Primary	03/06/92	ND	---	Filtered	CEP

See last page of Table E-III for notes and abbreviations.

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 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-54A	Primary	09/12/93	ND	---	Filtered	CEP
RD-54A	Primary	09/29/93	ND	---	Filtered	CEP
RD-54A	Primary	05/08/94	ND	---	Filtered	LAS
RD-54A	Primary	08/09/94	ND	---	Filtered	LAS
RD-54A	Primary	08/03/95	ND	---	Filtered	LAS
RD-54A	Primary	05/16/96	ND	---	Filtered	LAS
RD-54A	Primary	08/23/96	ND	---	Filtered	LAS
RD-54A	Primary	05/05/97	ND	---	Filtered	LAS
RD-54A	Primary	08/22/97	ND	---	Filtered	LAS
RD-54A	Primary	02/08/98	ND	---	Filtered	TN
RD-54A	Primary	08/07/98	ND	---	Filtered	TN
RD-54A	Primary	02/08/99	ND	---	Filtered	TN
RD-54A	Primary	03/15/00	ND	---	Filtered	TR
RD-54A	Primary	10/26/01	ND	---	Filtered	DL
RD-54A	Primary	02/27/02	ND	---	Filtered	DL
RD-54A(Z2)	Primary	02/18/03	ND	---	Filtered	ES
RD-54A(Z2)	Primary	11/03/04	ND	---	Filtered	ES
RD-54A(Z2)	Primary	02/16/05	ND	---	Filtered	ES
RD-54A(Z2)	Primary	02/16/06	ND	---	Filtered	ES
RD-54B	Primary	09/12/93	ND	---	Filtered	CEP
RD-54B	Primary	09/29/93	ND	---	Filtered	CEP
RD-54B	Primary	05/08/94	ND	---	Filtered	LAS
RD-54B	Primary	08/08/94	ND	---	Filtered	LAS
RD-54B	Primary	08/30/95	ND	---	Filtered	LAS
RD-54B	Primary	05/14/96	ND	---	Filtered	LAS
RD-54B	Primary	08/23/96	ND	---	Filtered	LAS
RD-54B	Primary	08/22/97	ND	---	Filtered	LAS
RD-54B	Primary	02/08/98	ND	---	Filtered	TN
RD-54B	Primary	08/07/98	ND	---	Filtered	TN
RD-54B	Primary	02/08/99	ND	---	Filtered	TN
RD-54B	Primary	03/15/00	ND	---	Filtered	TR
RD-54B	Primary	10/25/01	ND	---	Filtered	DL
RD-54B	Primary	02/27/02	ND	---	Filtered	DL
RD-54B	Primary	02/26/03	ND	---	Filtered	ES
RD-54B	Primary	02/16/05	ND	---	Filtered	ES
RD-54B	Primary	02/20/06	ND	---	Filtered	ES
RD-54C	Primary	09/11/93	ND	---	Filtered	CEP
RD-54C	Primary	09/29/93	ND	---	Filtered	CEP
RD-54C	Primary	05/08/94	ND	---	Filtered	LAS
RD-54C	Primary	08/08/94	ND	---	Filtered	LAS
RD-54C	Primary	08/30/95	ND	---	Filtered	LAS
RD-54C	Primary	05/16/96	ND	---	Filtered	LAS
RD-54C	Primary	08/23/96	ND	---	Filtered	LAS
RD-54C	Primary	05/05/97	ND	---	Filtered	LAS
RD-54C	Primary	08/24/97	ND	---	Filtered	LAS
RD-54C	Primary	02/08/98	ND	---	Filtered	TN
RD-54C	Primary	08/07/98	ND	---	Filtered	TN
RD-54C	Primary	02/09/99	ND	---	Filtered	TN

See last page of Table E-III for notes and abbreviations.

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RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-54C	Primary	03/15/00	ND	---	Filtered	TR
RD-54C	Primary	11/02/01	ND	---	Filtered	DL
RD-54C	Primary	02/27/02	ND	---	Filtered	DL
RD-54C	Primary	02/26/03	ND	---	Filtered	ES
RD-54C	Primary	11/05/04	ND	---	Filtered	ES
RD-54C	Primary	02/17/05	ND	---	Filtered	ES
RD-54C	Split	02/17/05	ND	---	Filtered	STL
RD-54C	Primary	02/23/06	ND	---	Filtered	ES
RD-56A	Primary	05/10/94	ND	---	Filtered	LAS
RD-56A	Primary	05/28/98	ND	---	Filtered	TN
RD-56B	Primary	05/28/98	ND	---	Filtered	TN
RD-57	Primary	03/16/94	ND	---	Filtered	LAS
RD-57	Primary	05/10/94	ND	---	Filtered	LAS
RD-57	Primary	08/18/94	ND	---	Filtered	LAS
RD-57	Primary	02/07/95	ND	---	Filtered	LAS
RD-57	Primary	08/09/95	ND	---	Filtered	LAS
RD-57	Primary	02/19/96	ND	---	Filtered	LAS
RD-57	Primary	08/22/96	ND	---	Filtered	LAS
RD-57	Primary	02/25/97	ND	---	Filtered	LAS
RD-57	Primary	08/27/97	ND	---	Filtered	LAS
RD-57	Primary	08/27/97	ND	---	Unfiltered	LAS
RD-57	Primary	05/26/98	ND	---	Filtered	TN
RD-57	Primary	08/17/98	ND	---	Filtered	TN
RD-57	Primary	05/13/99	ND	---	Filtered	TN
RD-57	Primary	02/09/00	ND	---	Filtered	TR
RD-57	Primary	05/11/01	ND	---	Filtered	ES
RD-57	Primary	02/14/02	ND	---	Filtered	DL
RD-57(Z8)	Primary	01/29/03	ND	---	Filtered	ES
RD-57(Z8)	Primary	04/30/03	ND	---	Filtered	ES
RD-57(Z7)	Primary	03/08/05	ND	---	Filtered	ES
RD-57(Z7)	Primary	02/20/06	ND	---	Filtered	ES
RD-59A	Primary	08/16/94	ND	---	Filtered	LAS
RD-59A	Primary	02/06/95	ND	---	Filtered	LAS
RD-59A	Duplicate	02/06/95	ND	---	Filtered	LAS
RD-59A	Primary	08/08/95	ND	---	Filtered	LAS
RD-59A	Primary	03/12/96	ND	---	Filtered	LAS
RD-59A	Primary	08/21/96	ND	---	Filtered	LAS
RD-59A	Primary	02/16/97	ND	---	Filtered	LAS
RD-59A	Primary	08/22/97	ND	---	Filtered	LAS
RD-59A	Primary	08/19/98	ND	---	Filtered	TN
RD-59A	Primary	02/16/99	ND	---	Filtered	TN
RD-59A	Primary	03/14/00	ND	---	Filtered	TR
RD-59A	Primary	05/16/01	ND	---	Filtered	ES
RD-59A	Primary	02/28/02	ND	---	Filtered	DL
RD-59A	Primary	01/31/03	ND	---	Filtered	ES
RD-59A	Primary	05/15/03	ND	---	Filtered	ES
RD-59A	Split	05/15/03	ND	---	Filtered	ES
RD-59A	Primary	11/16/04	ND	---	Filtered	ES

See last page of Table E-III for notes and abbreviations.

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TABLE E-III
 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-59A	Primary	09/07/05	ND	---	Filtered	ES
RD-59A	Primary	08/23/06	ND	---	Filtered	ES
RD-59A	Primary	11/14/06	ND	---	Filtered	ES
RD-59B	Primary	08/16/94	ND	---	Filtered	LAS
RD-59B	Primary	02/06/95	ND	---	Filtered	LAS
RD-59B	Primary	08/08/95	ND	---	Filtered	LAS
RD-59B	Primary	03/12/96	ND	---	Filtered	LAS
RD-59B	Primary	08/21/96	ND	---	Filtered	LAS
RD-59B	Primary	02/16/97	ND	---	Filtered	LAS
RD-59B	Primary	08/22/97	ND	---	Filtered	LAS
RD-59B	Primary	08/19/98	ND	---	Filtered	TN
RD-59B	Primary	02/16/99	ND	---	Filtered	TN
RD-59B	Primary	03/14/00	ND	---	Filtered	TR
RD-59B	Primary	02/17/01	ND	---	Filtered	ES
RD-59B	Primary	02/28/02	ND	---	Filtered	DL
RD-59B	Primary	01/31/03	ND	---	Filtered	ES
RD-59B	Primary	11/05/04	ND	---	Filtered	ES
RD-59B	Primary	09/07/05	ND	---	Filtered	ES
RD-59B	Primary	02/22/06	ND	---	Filtered	ES
RD-59B	Primary	11/14/06	ND	---	Filtered	ES
RD-59C	Primary	08/16/94	ND	---	Filtered	LAS
RD-59C	Primary	02/06/95	ND	---	Filtered	LAS
RD-59C	Primary	08/08/95	ND	---	Filtered	LAS
RD-59C	Primary	03/12/96	ND	---	Filtered	LAS
RD-59C	Primary	08/21/96	ND	---	Filtered	LAS
RD-59C	Primary	02/16/97	ND	---	Filtered	LAS
RD-59C	Primary	08/22/97	ND	---	Filtered	LAS
RD-59C	Primary	08/19/98	ND	---	Filtered	TN
RD-59C	Primary	02/16/99	ND	---	Filtered	TN
RD-59C	Primary	03/14/00	ND	---	Filtered	TR
RD-59C	Primary	02/17/01	ND	---	Filtered	ES
RD-59C	Primary	02/28/02	ND	---	Filtered	DL
RD-59C	Primary	01/31/03	ND	---	Filtered	ES
RD-59C	Primary	11/05/04	ND	---	Filtered	ES
RD-59C	Primary	09/07/05	ND	---	Filtered	ES
RD-59C	Primary	02/22/06	ND	---	Filtered	ES
RD-59C	Split	02/22/06	ND	---	Filtered	STL
RD-59C	Primary	11/14/06	ND	---	Filtered	ES
RD-61	Primary	05/28/98	ND	---	Filtered	TN
RD-63	Primary	01/04/95	ND	---	Filtered	LAS
RD-63	Primary	02/02/99	ND	---	Filtered	TN
RD-63	Primary	02/16/00	ND	---	Filtered	TR
RD-63	Primary	02/23/01	ND	---	Filtered	ES
RD-63	Primary	02/14/02	ND	---	Filtered	DL
RD-63	Primary	02/05/03	ND	---	Filtered	ES
RD-63	Primary	02/24/04	ND	---	Filtered	ES
RD-63	Primary	08/25/05	ND	---	Filtered	ES
RD-63	Primary	02/16/06	ND	---	Filtered	ES

See last page of Table E-III for notes and abbreviations.

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 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
RD-64	Primary	05/10/01	ND	---	Filtered	ES
RD-64	Primary	02/28/02	ND	---	Filtered	DL
RD-64(Z6)	Primary	01/29/03	ND	---	Filtered	ES
RD-64(Z6)	Primary	02/14/05	ND	---	Filtered	ES
RD-64	Primary	02/16/06	ND	---	Filtered	ES
RD-69	Primary	05/28/98	ND	---	Filtered	TN
RD-74	Primary	05/13/99	ND	---	Filtered	TN
RD-75	Primary	08/30/05	ND	---	Filtered	ES
RD-85	Primary	08/13/04	ND	---	Filtered	ES
RD-85	Primary	02/23/05	ND	---	Filtered	ES
RD-86	Primary	08/13/04	ND	---	Filtered	ES
RD-86	Primary	08/26/04	ND	---	Filtered	ES
RD-86	Primary	02/23/05	ND	---	Filtered	ES
RD-86	Primary	02/23/05	K-40	48.6 J ± 33	Filtered	ES
RD-87	Primary	08/18/04	ND	---	Filtered	ES
RD-87	Primary	08/26/04	ND	---	Filtered	ES
RD-87	Primary	08/24/05	ND	---	Filtered	ES
RD-88	Primary	08/20/04	ND	---	Filtered	ES
RD-88	Primary	08/26/04	ND	---	Filtered	ES
RD-88	Primary	08/25/05	ND	---	Filtered	ES
RD-89	Primary	05/24/05	ND	---	Filtered	ES
RD-89	Duplicate	05/24/05	ND	---	Filtered	ES
RD-89	Primary	06/01/05	ND	---	Filtered	ES
RD-90	Primary	03/25/04	ND	---	Filtered	ES
RD-90	Primary	04/15/04	ND	---	Filtered	ES
RD-90	Primary	08/25/05	ND	---	Filtered	ES
RD-91	Primary	03/25/04	ND	---	Filtered	ES
RD-91	Primary	04/15/04	ND	---	Filtered	ES
RD-92	Primary	03/25/04	ND	---	Filtered	ES
RD-92	Primary	04/15/04	ND	---	Filtered	ES
RD-93	Primary	05/23/05	ND	---	Filtered	ES
RD-93	Duplicate	05/23/05	ND	---	Filtered	ES
RD-93	Primary	06/01/05	ND	---	Filtered	ES
RD-93	Primary	08/24/05	ND	---	Filtered	ES
RD-94	Primary	05/23/05	ND	---	Filtered	ES
RD-94	Primary	06/01/05	ND	---	Filtered	ES
RD-94	Primary	08/25/05	ND	---	Filtered	ES
RD-95	Primary	05/23/05	ND	---	Filtered	ES
RD-95	Primary	06/01/05	ND	---	Filtered	ES
RD-95	Primary	08/24/05	ND	---	Filtered	ES
RD-96	Primary	05/09/06	ND	---	Filtered	ES
RD-96	Primary	05/09/06	ND	---	Unfiltered	ES
RD-97	Primary	05/09/06	ND	---	Filtered	ES
RD-97	Primary	05/09/06	ND	---	Unfiltered	ES
WS-04A	Primary	12/05/90	ND	---	Filtered	IT
WS-07	Primary	12/06/90	ND	---	Filtered	IT
WS-07	Duplicate	12/06/90	ND	---	Filtered	IT
WS-07	Primary	03/08/91	ND	---	Filtered	IT

See last page of Table E-III for notes and abbreviations.

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RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
WS-07	Primary	12/07/91	ND	---	Filtered	IT
WS-07	Split	12/07/91	ND	---	Filtered	CEP
WS-07	Primary	03/25/92	ND	---	Filtered	CEP
WS-13	Primary	10/17/89	ND	---	Filtered	UST
WS-13	Duplicate	10/17/89	ND	---	Filtered	UST
WS-13	Primary	11/01/89	ND	---	Unfiltered	UST
Off-Site Private Wells and Springs						
OS-01	Primary	12/11/90	ND	---	Filtered	IT
OS-01	Primary	03/09/91	ND	---	Filtered	IT
OS-01	Primary	12/09/91	ND	---	Filtered	IT
OS-01	Primary	06/09/92	ND	---	Filtered	CEP
OS-01	Primary	09/15/92	ND	---	Filtered	CEP
OS-01	Primary	12/17/92	ND	---	Filtered	CEP
OS-01	Primary	08/23/93	ND	---	Filtered	CEP
OS-01	Primary	02/23/94	ND	---	Filtered	LAS
OS-01	Primary	08/15/94	ND	----	Filtered	LAS
OS-02	Primary	12/11/90	ND	---	Filtered	IT
OS-02	Primary	03/08/91	ND	---	Filtered	IT
OS-02	Duplicate	03/08/91	ND	---	Filtered	IT
OS-02	Primary	12/09/91	ND	---	Filtered	IT
OS-02	Primary	06/09/92	ND	---	Filtered	CEP
OS-02	Primary	09/15/92	ND	---	Filtered	CEP
OS-02	Primary	12/17/92	ND	---	Filtered	CEP
OS-02	Primary	08/23/93	ND	---	Filtered	CEP
OS-02	Primary	02/23/94	ND	---	Filtered	LAS
OS-02	Primary	08/15/94	ND	---	Filtered	LAS
OS-03	Primary	12/11/90	ND	---	Filtered	IT
OS-03	Primary	03/08/91	ND	---	Filtered	IT
OS-03	Primary	12/09/91	ND	---	Filtered	IT
OS-03	Primary	06/09/92	ND	---	Filtered	CEP
OS-03	Primary	08/23/93	ND	---	Filtered	CEP
OS-03	Primary	02/23/94	ND	---	Filtered	LAS
OS-03	Primary	08/15/94	ND	---	Filtered	LAS
OS-04	Primary	12/11/90	ND	---	Filtered	IT
OS-04	Primary	06/09/92	ND	---	Filtered	CEP
OS-04	Primary	06/22/93	ND	---	Filtered	CEP
OS-04	Primary	08/23/93	ND	---	Filtered	CEP
OS-04	Primary	02/23/94	ND	---	Filtered	LAS
OS-04	Primary	08/15/94	ND	---	Filtered	LAS
OS-05	Primary	12/11/90	ND	---	Filtered	IT
OS-05	Primary	03/08/91	ND	---	Filtered	IT
OS-05	Primary	12/09/91	ND	---	Filtered	IT
OS-05	Primary	06/09/92	ND	---	Filtered	CEP
OS-05	Primary	09/15/92	ND	---	Filtered	CEP
OS-05	Split	09/15/92	ND	<32	Filtered	BL
OS-05	Primary	12/17/92	ND	---	Filtered	CEP
OS-05	Primary	08/23/93	ND	---	Filtered	CEP
OS-05	Primary	02/23/94	ND	---	Filtered	LAS

See last page of Table E-III for notes and abbreviations.

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TABLE E-III
 RESULTS OF ANALYSES FOR MAN-MADE*, GAMMA-EMITTING
 RADIONUCLIDES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Concentration (picoCuries per liter)	Sample Handling	Lab
OS-08	Primary	06/09/92	ND	---	Filtered	CEP
OS-08	Primary	08/15/94	ND	---	Filtered	LAS
OS-09R	Primary	01/26/04	Bismuth-214	56.1 ± 17	Filtered	ES
OS-09R	Primary	01/26/04	Lead-214	55.7 ± 15	Filtered	ES
OS-10	Primary	12/09/91	ND	---	Filtered	IT
OS-10	Primary	08/05/94	ND	---	Filtered	LAS
OS-15	Primary	12/10/91	ND	---	Filtered	IT
OS-16	Primary	11/01/89	ND	---	Unfiltered	UST
OS-16	Primary	11/01/89	ND	---	Filtered	UST
OS-16	Duplicate	11/01/89	ND	---	Unfiltered	UST
OS-16	Duplicate	11/01/89	ND	---	Filtered	UST
OS-16	Primary	12/10/91	ND	---	Filtered	IT
OS-16	Primary	03/12/92	ND	---	Filtered	CEP
OS-17	Primary	12/09/91	ND	---	Filtered	IT
OS-17	Primary	03/12/92	ND	---	Filtered	CEP
OS-21	Primary	11/01/89	ND	---	Unfiltered	UST
OS-21	Primary	11/01/89	ND	---	Filtered	UST
OS-21	Primary	03/09/91	ND	---	Filtered	IT
OS-21	Primary	12/10/91	ND	---	Filtered	IT
OS-21	Primary	03/12/92	ND	---	Filtered	CEP
OS-21	Primary	03/19/93	ND	---	Filtered	CEP
<i>Municipal Water Supply</i>						
Calleguas	Primary	12/14/90	ND	---	Filtered	IT
Calleguas	Primary	03/10/91	ND	---	Filtered	IT
Calleguas	Primary	03/12/92	ND	---	Filtered	CEP

See last page of Table E-III for notes and abbreviations.

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TABLE E-III
NOTES AND ABBREVIATIONS

BL	=	Barringer Laboratories, Inc., Golden, Colorado.
CEP	=	Controls for Environmental Pollution, Santa Fe, New Mexico.
DL	=	Davi Laboratories, Pinole, California.
ES	=	Eberline Services (formerly Thermo Retec), Richmond, California.
IT	=	International Technologies Analytical Services (formerly UST), Richland, Washington.
LAS	=	LAS Laboratories, Inc. (formerly Lockheed Martin), Las Vegas, Nevada.
STL	=	Severn Trent Laboratories, Richland, Washington.
TEL	=	Teledyne Isotopes, Westwood, New Jersey.
TMA	=	Thermoanalytical, Inc. (TMA/NORCAL), Richmond, California.
TN	=	Thermo NUtech, Richmond, California.
TR	=	Thermo Retec (formerly Thermo NUtech), Richmond, California.
UST	=	United States Testing Laboratory, Richland, Washington.
Primary	=	Primary sample.
Duplicate	=	Sample duplicate.
Split	=	Sample split.
<	=	Less than; numerical value represents limit of detection for that analysis.
(*)	=	Man-made gamma-emitting radionuclides include cobalt-57, cobalt-60, cesium-134, cesium-137, europium-152, europium-154, manganese-54, and sodium-22.
J	=	Result is less than contract-required minimum detectable activity (MDA) and greater than or equal to the MDA.
ND	=	No gamma-emitting radionuclides detected above minimum detectable activities.
(---)	=	See ND.

NOTES:

Samples analyzed for gamma-emitting radionuclides by EPA Method 901.1

Edits were made in January 2007. Changes are summarized in Table E-V.

TABLE E-IV

 RESULTS OF ANALYSES FOR SPECIFIC ISOTOPES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
Shallow Wells							
SH-04	Primary	03/18/93	Radium-226	3.3 ± 2.6	Filtered		CEP
SH-04	Primary	03/18/93	Radium-228	<1	Filtered		CEP
SH-04	Primary	06/09/93	Radium-226	3.1 ± 1.0	Filtered		CEP
SH-04	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
SH-04	Primary	11/04/93	Radium-226	0.14 ± 0.12	Filtered		LAS
SH-04	Primary	05/06/94	Uranium-233/234	4.54 ± 0.79	Filtered		LAS
SH-04	Primary	05/06/94	Uranium-235	0.43 ± 0.24	Filtered		LAS
SH-04	Primary	05/06/94	Uranium-238	3.73 ± 0.71	Filtered		LAS
SH-11	Primary	10/31/89	Radium-226	0.425 ± 0.120	Unfiltered		UST
SH-11	Primary	10/31/89	Radium-226	0.254 ± 0.0976	Filtered		UST
SH-11	Primary	10/31/89	Radium-228	1.23 ± 0.493	Unfiltered		UST
SH-11	Primary	10/31/89	Radium-228	0.842 ± 0.405	Filtered		UST
SH-11	Primary	10/31/89	Thorium-228	0.575 ± 0.333	Unfiltered		UST
SH-11	Primary	10/31/89	Thorium-228	-0.0205 ± 0.0239	Filtered		UST
SH-11	Primary	10/31/89	Thorium-230	0.284 ± 0.137	Unfiltered		UST
SH-11	Primary	10/31/89	Thorium-230	0.00785 ± 0.00789	Filtered		UST
SH-11	Primary	10/31/89	Thorium-232	0.583 ± 0.201	Unfiltered		UST
SH-11	Primary	10/31/89	Thorium-232	0.00981 ± 0.0104	Filtered		UST
SH-11	Primary	10/31/89	Uranium-234	3.91 ± 0.702	Unfiltered		CEP
SH-11	Primary	10/31/89	Uranium-234	3.29 ± 0.577	Filtered		UST
SH-11	Primary	10/31/89	Uranium-235	0.144 ± 0.127	Unfiltered		UST
SH-11	Primary	10/31/89	Uranium-235	0.0843 ± 0.0848	Filtered		UST
SH-11	Primary	10/31/89	Uranium-238	2.94 ± 0.608	Unfiltered		UST
SH-11	Primary	10/31/89	Uranium-238	3.42 ± 0.585	Filtered		UST
RS-05	Primary	10/31/89	Radium-226	0.359 ± 0.124	Unfiltered		UST
RS-05	Primary	10/31/89	Radium-226	-0.00350 ± 0.0459	Filtered		UST
RS-05	Primary	10/31/89	Radium-228	2.19 ± 0.657	Unfiltered		UST
RS-05	Primary	10/31/89	Radium-228	1.16 ± 0.487	Filtered		UST
RS-05	Primary	10/31/89	Thorium-228	1.20 ± 0.463	Unfiltered		UST
RS-05	Primary	10/31/89	Thorium-228	0.0345 ± 0.0346	Filtered		UST
RS-05	Primary	10/31/89	Thorium-230	0.917 ± 0.309	Unfiltered		UST
RS-05	Primary	10/31/89	Thorium-230	0.00827 ± 0.0117	Filtered		UST
RS-05	Primary	10/31/89	Thorium-232	1.68 ± 0.440	Unfiltered		UST
RS-05	Primary	10/31/89	Thorium-232	0.0393 ± 0.0202	Filtered		UST
RS-05	Primary	10/31/89	Uranium-234	5.73 ± 0.988	Unfiltered		UST
RS-05	Primary	10/31/89	Uranium-234	5.81 ± 0.830	Filtered		UST
RS-05	Primary	10/31/89	Uranium-235	0.241 ± 0.202	Unfiltered		UST
RS-05	Primary	10/31/89	Uranium-235	0.0883 ± 0.0823	Filtered		UST
RS-05	Primary	10/31/89	Uranium-238	5.83 ± 0.991	Unfiltered		UST
RS-05	Primary	10/31/89	Uranium-238	5.04 ± 0.741	Filtered		UST
RS-08	Primary	03/18/93	Radium-226	3 ± 2.3	Filtered		CEP
RS-08	Primary	03/18/93	Radium-228	<1	Filtered		CEP
RS-08	Primary	06/08/93	Radium-226	2.4 ± 1.0	Filtered		CEP
RS-08	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
RS-08	Primary	11/08/93	Radium-226	0.09 ± 0.13	Filtered		CEP
RS-08	Primary	11/08/93	Uranium-233/234	15.0 ± 2.0	Filtered	Dissolved	LAS
RS-08	Primary	11/08/93	Uranium-235	0.62 ± 0.32	Filtered	Dissolved	LAS
RS-08	Primary	11/08/93	Uranium-238	14.6 ± 1.9	Filtered	Dissolved	LAS
RS-11	Primary	02/17/05	Radium-226	0.228 U ± 0.40	Filtered		ES
RS-11	Primary	02/17/05	Radium-228	0.165 U ± 0.21	Filtered		ES
RS-11	Primary	02/17/05	Uranium-234	20.0 ± 1.2	Filtered		ES

See last page of Table E-IV for notes and abbreviations.

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 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RS-11	Primary	02/17/05	Uranium-235	0.900 J ± 0.13	Filtered		ES
RS-11	Primary	02/17/05	Uranium-238	17.9 ± 1.1	Filtered		ES
RS-11	Primary	08/29/05	Radium-226	0.492 U ± 0.36	Filtered		ES
RS-11	Primary	08/29/05	Radium-228	0.682 J ± 0.25	Filtered		ES
RS-11	Primary	02/21/06	Radium-226	0.024 U ± 0.45	Filtered		ES
RS-11	Primary	02/21/06	Radium-228	0.330 U ± 0.23	Filtered		ES
RS-11	Primary	08/10/06	Radium-226	0.084U ± 0.45	Filtered		ES
RS-11	Primary	08/10/06	Radium-228	0.065U ± 0.19	Filtered		ES
RS-16	Primary	02/23/05	Radium-226	0.227 U ± 0.41	Filtered		ES
RS-16	Primary	02/23/05	Radium-228	0.167 U ± 0.26	Filtered		ES
RS-18	Primary	03/04/92	Uranium-234	2.75 ± 0.62	Unfiltered		CEP
RS-18	Primary	03/04/92	Uranium-235	<0.6	Unfiltered		CEP
RS-18	Primary	03/04/92	Uranium-238	3.60 ± 0.70	Unfiltered		CEP
RS-18	Primary	09/10/92	Radium-226	3.5 ± 2.0	Filtered		CEP
RS-18	Primary	09/10/92	Radium-228	<1	Filtered		CEP
RS-18	Primary	09/10/92	Uranium-234	36.6 ± 6.0	Unfiltered		CEP
RS-18	Primary	09/10/92	Uranium-235	1.80 ± 0.90	Unfiltered		CEP
RS-18	Primary	09/10/92	Uranium-238	41.9 ± 6.6	Unfiltered		CEP
RS-18	Primary	12/15/92	Thorium-228	<0.6	Filtered		CEP
RS-18	Primary	12/15/92	Thorium-230	<0.6	Filtered		CEP
RS-18	Primary	12/15/92	Thorium-232	<0.6	Filtered		CEP
RS-18	Primary	12/15/92	Uranium-234	5.17 ± 0.69	Unfiltered		CEP
RS-18	Primary	12/15/92	Uranium-235	<0.6	Unfiltered		CEP
RS-18	Primary	12/15/92	Uranium-238	5.67 ± 0.77	Unfiltered		CEP
RS-18	Primary	06/23/93	Thorium-228	0.00 ± 0.05	Filtered		CEP
RS-18	Primary	06/23/93	Thorium-230	0.00 ± 0.05	Filtered		CEP
RS-18	Primary	06/23/93	Thorium-232	0.00 ± 0.05	Filtered		CEP
RS-18	Primary	06/23/93	Uranium-234	1.8 ± 3	Filtered		CEP
RS-18	Primary	06/23/93	Uranium-235	0.1 ± 0.1	Filtered		CEP
RS-18	Primary	06/23/93	Uranium-236	2.1 ± 0.4	Filtered		CEP
RS-18	Primary	11/06/93	Thorium-228	0.20 ± 0.27	Filtered		LAS
RS-18	Primary	11/06/93	Thorium-230	0.53 ± 0.30	Filtered		LAS
RS-18	Primary	11/06/93	Thorium-232	0.19 ± 0.18	Filtered		LAS
RS-18	Primary	11/06/93	Uranium-233/234	16.3 ± 2.2	Filtered		LAS
RS-18	Primary	11/06/93	Uranium-235	0.42 ± 0.27	Filtered		LAS
RS-18	Primary	11/06/93	Uranium-238	14.6 ± 2.0	Filtered		LAS
RS-18	Primary	05/04/94	Thorium-228	-0.014 ± 0.058	Filtered		LAS
RS-18	Primary	05/04/94	Thorium-230	0.103 ± 0.058	Filtered		LAS
RS-18	Primary	05/04/94	Thorium-232	0.056 ± 0.025	Filtered		LAS
RS-18	Primary	05/04/94	Uranium-233/234	19.9 ± 1.8	Filtered		LAS
RS-18	Primary	05/04/94	Uranium-235	0.9 ± 0.33	Filtered		LAS
RS-18	Primary	05/04/94	Uranium-238	19.2 ± 1.8	Filtered		LAS
RS-18	Primary	02/17/95	Thorium-228	-0.05 ± 0.18	Filtered		LAS
RS-18	Primary	02/17/95	Thorium-230	0.24 ± 0.16	Filtered		LAS
RS-18	Primary	02/17/95	Thorium-232	0.057 ± 0.079	Filtered		LAS
RS-18	Primary	02/17/95	Uranium-233/234	8.98 ± 0.96	Filtered		LAS
RS-18	Primary	02/17/95	Uranium-235	0.49 ± 0.21	Filtered		LAS
RS-18	Primary	02/17/95	Uranium-238	7.67 ± 0.87	Filtered		LAS
RS-18	Primary	08/10/95	Thorium-228	-0.05 ± 0.28	Filtered		LAS
RS-18	Primary	08/10/95	Thorium-230	-0.022 ± 0.076	Filtered		LAS
RS-18	Primary	08/10/95	Thorium-232	0.037 ± 0.095	Filtered		LAS
RS-18	Primary	08/10/95	Uranium-233/234	15.00 ± 0.92	Filtered		LAS

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RS-18	Primary	08/10/95	Uranium-235	0.78 ± 0.13	Filtered		LAS
RS-18	Primary	08/10/95	Uranium-238	15.19 ± 0.93	Filtered		LAS
RS-18	Primary	05/16/96	Thorium-228	-0.07 ± 0.17	Filtered		LAS
RS-18	Primary	05/16/96	Thorium-230	-0.027 ± 0.048	Filtered		LAS
RS-18	Primary	05/16/96	Thorium-232	0.013 ± 0.070	Filtered		LAS
RS-18	Primary	05/16/96	Uranium-233/234	11.5 ± 1.1	Filtered		LAS
RS-18	Primary	05/16/96	Uranium-235	0.89 ± 0.28	Filtered		LAS
RS-18	Primary	05/16/96	Uranium-238	10.8 ± 1.1	Filtered		LAS
RS-18	Primary	02/03/97	Thorium-228	0.1 ± 0.17	Filtered		LAS
RS-18	Primary	02/03/97	Thorium-230	0.009 ± 0.043	Filtered		LAS
RS-18	Primary	02/03/97	Thorium-232	-0.009 ± 0.034	Filtered		LAS
RS-18	Primary	02/03/97	Uranium-233/234	14.2 ± 1.3	Filtered		LAS
RS-18	Primary	02/03/97	Uranium-235	0.53 ± 0.21	Filtered		LAS
RS-18	Primary	02/03/97	Uranium-238	13.9 ± 1.3	Filtered		LAS
RS-18	Primary	02/05/98	Thorium-228	-0.009 ± 0.023	Filtered		TN
RS-18	Primary	02/05/98	Thorium-230	<0.138	Filtered		TN
RS-18	Primary	02/05/98	Thorium-232	0 ± 0.012	Filtered		TN
RS-18	Primary	02/05/98	Uranium-233/234	14.2 ± 0.94	Filtered		TN
RS-18	Primary	02/05/98	Uranium-235	0.943 ± 0.17	Filtered		TN
RS-18	Primary	02/05/98	Uranium-238	12.9 ± 0.88	Filtered		TN
RS-18	Primary	08/05/98	Thorium-228	0.014 ± 0.019	Filtered		TN
RS-18	Primary	08/05/98	Thorium-230	<0.080	Filtered		TN
RS-18	Primary	08/05/98	Thorium-232	0.005 ± 0.019	Filtered		TN
RS-18	Primary	08/05/98	Uranium-233/234	13.7 ± 0.72	Filtered		TN
RS-18	Primary	08/05/98	Uranium-235	0.793 ± 0.13	Filtered		TN
RS-18	Primary	08/05/98	Uranium-238	13.3 ± 0.71	Filtered		TN
RS-18	Primary	05/09/00	Thorium-228	<0.166	Filtered		TR
RS-18	Primary	05/09/00	Thorium-230	<0.219	Filtered		TR
RS-18	Primary	05/09/00	Thorium-232	0.037 ± 0.050	Filtered		TR
RS-18	Primary	05/09/00	Uranium-233/234	15.1 ± 0.97	Filtered		TR
RS-18	Primary	05/09/00	Uranium-235	0.795 ± 0.19	Filtered		TR
RS-18	Primary	05/09/00	Uranium-238	13.2 ± 0.89	Filtered		TR
RS-18	Primary	02/19/01	Thorium-228	0.04 ± 0.081	Filtered		ES
RS-18	Primary	02/19/01	Thorium-230	0.00 ± 0.069	Filtered		ES
RS-18	Primary	02/19/01	Thorium-232	0.00 ± 0.035	Filtered		ES
RS-18	Primary	02/19/01	Uranium-233/234	8.4 ± 0.38	Filtered		ES
RS-18	Primary	02/19/01	Uranium-235	0.442 ± 0.072	Filtered		ES
RS-18	Primary	02/19/01	Uranium-238	7.89 ± 0.36	Filtered		ES
RS-18	Primary	05/02/03	Thorium-228	-0.009U ± 0.037	Filtered		ES
RS-18	Primary	05/02/03	Thorium-230	0.018U ± 0.046	Filtered		ES
RS-18	Primary	05/02/03	Thorium-232	0.005U ± 0.009	Filtered		ES
RS-18	Primary	05/02/03	Uranium-233/234	20.3 ± 1.2	Filtered		ES
RS-18	Primary	05/02/03	Uranium-235	1.05 ± 0.12	Filtered		ES
RS-18	Primary	05/02/03	Uranium-238	19.3 ± 1.1	Filtered		ES
RS-18	Primary	02/23/05	Radium-226	0.232 U ± 0.20	Filtered		ES
RS-18	Primary	02/23/05	Radium-228	0.054 U ± 0.20	Filtered		ES
RS-18	Primary	02/23/05	Thorium-228	-0.007 U ± 0.022	Filtered		ES
RS-18	Primary	02/23/05	Thorium-230	0.083 U ± 0.065	Filtered		ES
RS-18	Primary	02/23/05	Thorium-232	0 U ± 0.014	Filtered		ES
RS-18	Primary	02/23/05	Uranium-234	9.85 ± 0.69	Filtered		ES
RS-18	Primary	02/23/05	Uranium-235	0.467 J ± 0.098	Filtered		ES
RS-18	Primary	02/23/05	Uranium-238	9.43 ± 0.67	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RS-18	Primary	08/26/05	Radium-226	0.544 U ± 0.44	Filtered		ES
RS-18	Primary	08/26/05	Radium-228	0.278 U ± 0.21	Filtered		ES
RS-18	Primary	08/26/05	Thorium-228	0.012 U ± 0.025	Filtered		ES
RS-18	Primary	08/26/05	Thorium-230	0.028 U ± 0.055	Filtered		ES
RS-18	Primary	08/26/05	Thorium-232	-0.006 U ± 0.006	Filtered		ES
RS-18	Primary	08/26/05	Uranium-234	7.10 ± 0.50	Filtered		ES
RS-18	Primary	08/26/05	Uranium-235	0.307 J ± 0.070	Filtered		ES
RS-18	Primary	08/26/05	Uranium-238	6.52 ± 0.46	Filtered		ES
RS-18	Primary	02/20/06	Radium-226	0.425 U ± 0.42	Filtered		ES
RS-18	Primary	02/20/06	Radium-228	0.585 J ± 0.19	Filtered		ES
RS-18	Primary	02/20/06	Thorium-228	-0.002 U ± 0.030	Filtered		ES
RS-18	Primary	02/20/06	Thorium-230	0.012 U ± 0.049	Filtered		ES
RS-18	Primary	02/20/06	Thorium-232	-0.010 U ± 0.015	Filtered		ES
RS-18	Primary	02/20/06	Uranium-233/234	6.32 ± 0.46	Filtered		ES
RS-18	Primary	02/20/06	Uranium-235	0.270 J ± 0.068	Filtered		ES
RS-18	Primary	02/20/06	Uranium-238	6.03 ± 0.44	Filtered		ES
RS-25	Primary	02/25/03	Uranium-233/234	1.98 ± 0.16	Filtered		ES
RS-25	Primary	02/25/03	Uranium-235	0.090 ± 0.035	Filtered		ES
RS-25	Primary	02/25/03	Uranium-238	2.02 ± 0.16	Filtered		ES
RS-28	Primary	11/01/89	Radium-226	0.105 ± 0.0854	Unfiltered		UST
RS-28	Primary	11/01/89	Radium-226	0.0296 ± 0.0596	Filtered		UST
RS-28	Primary	11/01/89	Radium-228	0.726 ± 0.669	Unfiltered		UST
RS-28	Primary	11/01/89	Radium-228	0.686 ± 0.540	Filtered		UST
RS-28	Primary	11/01/89	Thorium-228	0.586 ± 0.0930	Unfiltered		UST
RS-28	Primary	11/01/89	Thorium-228	0.0222 ± 0.0283	Filtered		UST
RS-28	Primary	11/01/89	Thorium-230	0.147 ± 0.0377	Unfiltered		UST
RS-28	Primary	11/01/89	Thorium-230	0.00580 ± 0.0102	Filtered		UST
RS-28	Primary	11/01/89	Thorium-232	0.662 ± 0.0961	Unfiltered		UST
RS-28	Primary	11/01/89	Thorium-232	0.00193 ± 0.00387	Filtered		UST
RS-28	Primary	11/01/89	Uranium-234	4.59 ± 0.181	Filtered		UST
RS-28	Primary	11/01/89	Uranium-235	0.153 ± 0.0139	Filtered		UST
RS-28	Primary	11/01/89	Uranium-238	4.24 ± 0.147	Filtered		UST
RS-28	Primary	05/20/05	Radium-226	0.645 U ± 0.44	Filtered		ES
RS-28	Primary	05/20/05	Radium-228	0.518 J ± 0.22	Filtered		ES
RS-28	Primary	08/30/05	Radium-226	0.290 U ± 0.36	Filtered		ES
RS-28	Primary	08/30/05	Radium-228	0.187 U ± 0.27	Filtered		ES
RS-28	Primary	02/17/06	Radium-226	-0.060 U ± 0.40	Filtered		ES
RS-28	Primary	02/17/06	Radium-228	-0.059 U ± 0.49	Filtered		ES
RS-28	Primary	08/11/06	Radium-226	0.251U ± 0.4	Filtered		ES
RS-28	Primary	08/11/06	Radium-228	1.03 ± 0.21	Filtered		ES
RS-54	Primary	05/07/94	Uranium-233/234	26.4 ± 2.4	Filtered		LAS
RS-54	Primary	05/07/94	Uranium-235	2.15 ± 0.59	Filtered		LAS
RS-54	Primary	05/07/94	Uranium-238	26.5 ± 2.4	Filtered		LAS
RS-54	Primary	08/03/97	Uranium-233/234	16.4 ± 1.2	Filtered		LAS
RS-54	Primary	08/03/97	Uranium-235	0.69 ± 0.19	Filtered		LAS
RS-54	Primary	08/03/97	Uranium-238	14.8 ± 1.2	Filtered		LAS
RS-54	Primary	08/27/97	Uranium-233/234	15.9 ± 1.2	Filtered		LAS
RS-54	Primary	08/27/97	Uranium-233/234	16.6 ± 1.2	Unfiltered		LAS
RS-54	Primary	08/27/97	Uranium-235	0.84 ± 0.19	Filtered		LAS
RS-54	Primary	08/27/97	Uranium-235	0.75 ± 0.20	Unfiltered		LAS
RS-54	Primary	08/27/97	Uranium-238	14.5 ± 1.1	Filtered		LAS
RS-54	Primary	08/27/97	Uranium-238	15.6 ± 1.2	Unfiltered		LAS

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RS-54	Primary	02/08/98	Thorium-228	-0.011 ± 0.028	Filtered		TN
RS-54	Primary	02/08/98	Thorium-230	0.039 ± 0.044	Filtered		TN
RS-54	Primary	02/08/98	Thorium-232	0.006 ± 0.011	Filtered		TN
RS-54	Primary	02/08/98	Uranium-233/234	8.75 ± 0.39	Filtered		TN
RS-54	Primary	02/08/98	Uranium-235	0.478 ± 0.072	Filtered		TN
RS-54	Primary	02/08/98	Uranium-238	7.90 ± 0.36	Filtered		TN
RS-54	Primary	08/04/98	Thorium-228	0.028 ± 0.028	Filtered		TN
RS-54	Primary	08/04/98	Thorium-230	<0.081	Filtered		TN
RS-54	Primary	08/04/98	Thorium-232	0.018 ± 0.028	Filtered		TN
RS-54	Primary	08/04/98	Uranium-233/234	7.91 ± 0.48	Filtered		TN
RS-54	Primary	08/04/98	Uranium-235	0.509 ± 0.098	Filtered		TN
RS-54	Primary	08/04/98	Uranium-238	7.24 ± 0.45	Filtered		TN
RS-54	Primary	02/02/99	Thorium-228	0.012 ± 0.020	Filtered		TN
RS-54	Primary	02/02/99	Thorium-230	0.034 ± 0.040	Filtered		TN
RS-54	Primary	02/02/99	Thorium-232	-0.002 ± 0.008	Filtered		TN
RS-54	Primary	02/02/99	Uranium-233/234	11.7 ± 0.75	Filtered		TN
RS-54	Primary	02/02/99	Uranium-235	0.745 ± 0.15	Filtered		TN
RS-54	Primary	02/02/99	Uranium-238	10.7 ± 0.70	Filtered		TN
RS-54	Primary	08/18/99	Thorium-228	0.030 ± 0.12	Filtered		TN
RS-54	Primary	08/18/99	Thorium-230	0.112 ± 0.12	Filtered		TN
RS-54	Primary	08/18/99	Thorium-232	0 ± 0.041	Filtered		TN
RS-54	Primary	08/18/99	Uranium-233/234	15.7 ± 1.1	Filtered		TN
RS-54	Primary	08/18/99	Uranium-235	1.23 ± 0.25	Filtered		TN
RS-54	Primary	08/18/99	Uranium-238	14.0 ± 1.0	Filtered		TN
RS-54	Primary	03/15/00	Thorium-228	0 ± 0.091	Filtered		TR
RS-54	Primary	03/15/00	Thorium-230	1.28 ± 0.31 B	Filtered		TR
RS-54	Primary	03/15/00	Thorium-232	0.060 ± 0.091	Filtered		TR
RS-54	Primary	03/15/00	Uranium-233/234	9.08 ± 0.90	Filtered		TR
RS-54	Primary	03/15/00	Uranium-235	0.486 ± 0.20	Filtered		TR
RS-54	Primary	03/15/00	Uranium-238	8.77 ± 0.87 B	Filtered		TR
RS-54	Primary	11/01/01	Thorium-228	0.00 ± 1.00	Filtered		DL
RS-54	Primary	11/01/01	Thorium-230	0.00 ± 1.00	Filtered		DL
RS-54	Primary	11/01/01	Thorium-232	0.00 ± 1.00	Filtered		DL
RS-54	Primary	11/01/01	Uranium-233/234	20.59 ± 0.39	Filtered		DL
RS-54	Primary	11/01/01	Uranium-235	0.72 ± 0.07	Filtered		DL
RS-54	Primary	11/01/01	Uranium-238	14.80 ± 0.33	Filtered		DL
RS-54	Primary	03/01/02	Thorium-228	0.43 ± 1.00	Filtered		DL
RS-54	Primary	03/01/02	Thorium-230	0 ± 1.00	Filtered		DL
RS-54	Primary	03/01/02	Thorium-232	0 ± 1.00	Filtered		DL
RS-54	Primary	03/01/02	Uranium-233/234	16.44 ± 5.00	Filtered		DL
RS-54	Primary	03/01/02	Uranium-235	0.66 ± 1.00	Filtered		DL
RS-54	Primary	03/01/02	Uranium-238	16.38 ± 5.00	Filtered		DL
RS-54	Primary	11/07/02	Thorium-228	0.033 ± 0.049	Filtered		ES
RS-54	Primary	11/07/02	Thorium-230	0.037 ± 0.057	Filtered		ES
RS-54	Primary	11/07/02	Thorium-232	0 ± 0.008	Filtered		ES
RS-54	Primary	11/07/02	Uranium-233/234	14.9 ± 0.71	Filtered		ES
RS-54	Primary	11/07/02	Uranium-235	0.629 ± 0.10	Filtered		ES
RS-54	Primary	11/07/02	Uranium-238	13.3 ± 0.65	Filtered		ES
RS-54	Primary	02/16/05	Radium-226	-0.492 U ± 0.46	Filtered		ES
RS-54	Primary	02/16/05	Radium-228	0.214 U ± 0.22	Filtered		ES
RS-54	Primary	02/16/05	Thorium-228	0.033 U ± 0.029	Filtered		ES
RS-54	Primary	02/16/05	Thorium-230	0.095 U ± 0.066	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RS-54	Primary	02/16/05	Thorium-232	-0.011 U ± 0.015	Filtered		ES
RS-54	Primary	02/16/05	Uranium-234	15.2 ± 1.0	Filtered		ES
RS-54	Primary	02/16/05	Uranium-235	0.807 J ± 0.14	Filtered		ES
RS-54	Primary	02/16/05	Uranium-238	14.2 ± 0.96	Filtered		ES
RS-54	Primary	09/06/05	Radium-226	0.269 U ± 0.43	Filtered		ES
RS-54	Primary	09/06/05	Radium-228	0.889 J ± 0.24	Filtered		ES
RS-54	Primary	09/06/05	Thorium-228	-0.013 U ± 0.035	Filtered		ES
RS-54	Primary	09/06/05	Thorium-230	-0.035 U ± 0.053	Filtered		ES
RS-54	Primary	09/06/05	Thorium-232	-0.009 U ± 0.009	Filtered		ES
RS-54	Primary	09/06/05	Uranium-234	13.0 ± 0.83	Filtered		ES
RS-54	Primary	09/06/05	Uranium-235	0.665 J ± 0.11	Filtered		ES
RS-54	Primary	09/06/05	Uranium-238	11.5 ± 0.75	Filtered		ES
RS-54	Primary	02/23/06	Radium-226	0.319 U ± 0.39	Filtered		ES
RS-54	Split	02/23/06	Radium-226	0.307 J ± 0.179	Filtered		STL
RS-54	Primary	02/23/06	Radium-228	0.466 U ± 0.21	Filtered		ES
RS-54	Split	02/23/06	Radium-228	0.588 J ± 0.278	Filtered		STL
RS-54	Primary	02/23/06	Thorium-228	0.010 U ± 0.035	Filtered		ES
RS-54	Split	02/23/06	Thorium-228	-0.035 U ± 0.0354	Filtered		STL
RS-54	Primary	02/23/06	Thorium-230	-0.038 U ± 0.045	Filtered		ES
RS-54	Split	02/23/06	Thorium-230	-0.00851 U ± 0.0171	Filtered		STL
RS-54	Primary	02/23/06	Thorium-232	-0.008 U ± 0.010	Filtered		ES
RS-54	Split	02/23/06	Thorium-232	0.0425 U ± 0.853	Filtered		STL
RS-54	Primary	02/23/06	Uranium-233/234	15.7 ± 0.99	Filtered		ES
RS-54	Split	02/23/06	Uranium-233/234	15.6 ± 3.63	Filtered		STL
RS-54	Primary	02/23/06	Uranium-235	0.682 J ± 0.12	Filtered		ES
RS-54	Split	02/23/06	Uranium-235	0.422 J ± 0.264	Filtered		STL
RS-54	Primary	02/23/06	Uranium-238	14.2 ± 0.91	Filtered		ES
RS-54	Split	02/23/06	Uranium-238	15.8 ± 3.67	Filtered		STL
ES-31	Primary	03/10/05	Radium-226	-0.165 U ± 0.24	Filtered		ES
ES-31	Primary	03/10/05	Radium-228	0.054 U ± 0.19	Filtered		ES
ES-31	Primary	12/07/05	Radium-226	-0.135 U ± 0.34	Filtered		ES
ES-31	Split	12/07/05	Radium-226	0.181 U ± 0.126	Filtered		STL
ES-31	Primary	12/07/05	Radium-228	0.298 U ± 0.19	Filtered		ES
ES-31	Split	12/07/05	Radium-228	0.428 U ± 0.361	Filtered		STL
ES-31	Primary	02/21/06	Radium-226	0.042 U ± 0.44	Filtered		ES
ES-31	Primary	02/21/06	Radium-228	0.136 U ± 0.17	Filtered		ES
ES-31	Primary	08/15/06	Radium-226	0.14U ± 0.43	Filtered		ES
ES-31	Primary	08/15/06	Radium-228	0.115U ± 0.17	Filtered		ES
HAR-14	Primary	03/16/93	Radium-226	<0.6	Filtered		CEP
HAR-14	Primary	03/16/93	Radium-228	<1	Filtered		CEP
HAR-14	Primary	06/08/93	Radium-226	2.7 ± 1.0	Filtered		CEP
HAR-14	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
HAR-14	Primary	11/04/93	Radium-226	0.16 ± 0.15	Filtered		LAS
HAR-15	Primary	03/16/93	Radium-226	29.5 ± 4.2	Filtered		CEP
HAR-15	Primary	03/16/93	Radium-226	<0.6	Filtered	Dissolved	CEP
HAR-15	Primary	03/16/93	Radium-228	<1	Filtered		CEP
HAR-15	Primary	03/16/93	Radium-228	<1	Filtered	Dissolved	CEP
HAR-15	Primary	03/16/93	Uranium-234	6.90 ± 3.00	Filtered		CEP
HAR-15	Primary	03/16/93	Uranium-235	0.51 ± 0.20	Filtered		CEP
HAR-15	Primary	03/16/93	Uranium-238	15.9 ± 5.8	Filtered		CEP
HAR-15	Primary	06/08/93	Radium-226	24.9 ± 4.3	Filtered		CEP
HAR-15	Primary	06/08/93	Radium-226	<0.6	Filtered	Dissolved	CEP

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
HAR-15	Primary	06/08/93	Radium-228	2 ± 1	Filtered	Dissolved	CEP
HAR-15	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
HAR-15	Primary	11/04/93	Radium-226	1.18 ± 0.28	Filtered		LAS
HAR-15	Primary	11/04/93	Uranium-233/4	0.84 ± 0.39	Filtered	Dissolved	LAS
HAR-15	Primary	11/04/93	Uranium-235	0.08 ± 0.12	Filtered	Dissolved	LAS
HAR-15	Primary	11/04/93	Uranium-238	0.88 ± 0.39	Filtered	Dissolved	LAS
Chatsworth Formation Wells							
RD-05B	Primary	03/16/93	Radium-226	<0.6	Filtered		CEP
RD-05B	Primary	03/16/93	Radium-228	<1	Filtered		CEP
RD-05B	Primary	06/07/93	Radium-226	4.9 ± 2.0	Filtered		CEP
RD-05B	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
RD-05B	Primary	11/22/93	Radium-226	0.77 ± 0.27	Filtered		LAS
RD-06	Primary	10/31/89	Radium-226	1.23 ± 0.268	Unfiltered		UST
RD-06	Primary	10/31/89	Radium-226	0.825 ± 0.202	Filtered		UST
RD-06	Primary	10/31/89	Thorium-228	0.0714 ± 0.0323	Unfiltered		UST
RD-06	Primary	10/31/89	Thorium-228	0.0428 ± 0.0360	Filtered		UST
RD-06	Primary	10/31/89	Thorium-230	0.00185 ± 0.00642	Unfiltered		UST
RD-06	Primary	10/31/89	Thorium-230	0.00196 ± 0.00392	Filtered		UST
RD-06	Primary	10/31/89	Thorium-232	0.00185 ± 0.00371	Unfiltered		UST
RD-06	Primary	10/31/89	Thorium-232	0.00 ± 0.00588	Filtered		UST
RD-06	Primary	10/31/89	Uranium-234	1.20 ± 0.302	Unfiltered		UST
RD-06	Primary	10/31/89	Uranium-234	0.892 ± 0.227	Filtered		UST
RD-06	Primary	10/31/89	Uranium-235	0.154 ± 0.111	Unfiltered		UST
RD-06	Primary	10/31/89	Uranium-235	0.0143 ± 0.0508	Filtered		UST
RD-06	Primary	10/31/89	Uranium-238	1.08 ± 0.274	Unfiltered		UST
RD-06	Primary	10/31/89	Uranium-238	0.710 ± 0.193	Filtered		UST
RD-06	Primary	03/16/93	Radium-226	<0.6	Filtered		UST
RD-06	Primary	03/16/93	Radium-228	<1	Filtered		UST
RD-06	Primary	06/07/93	Radium-226	3.5 ± 2.7	Filtered		CEP
RD-06	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
RD-06	Primary	11/22/93	Radium-226	1.32 ± 0.34	Filtered		LAS
RD-07	Primary	02/05/98	Thorium-228	0.032 ± 0.032	Filtered		TN
RD-07	Primary	02/05/98	Thorium-230	0.040 ± 0.043	Filtered		TN
RD-07	Primary	02/05/98	Thorium-232	0 ± 0.005	Filtered		TN
RD-07	Primary	02/05/98	Uranium-233/234	5.46 ± 0.28	Filtered		TN
RD-07	Primary	02/05/98	Uranium-235	0.226 ± 0.048	Filtered		TN
RD-07	Primary	02/05/98	Uranium-238	4.87 ± 0.26	Filtered		TN
RD-07	Primary	02/06/99	Thorium-228	0.026 ± 0.016	Filtered		TN
RD-07	Primary	02/06/99	Thorium-230	0.028 ± 0.040	Filtered		TN
RD-07	Primary	02/06/99	Thorium-232	0 ± 0.008	Filtered		TN
RD-07	Primary	02/06/99	Uranium-233/234	7.76 ± 0.51	Filtered		TN
RD-07	Primary	02/06/99	Uranium-235	0.414 ± 0.10	Filtered		TN
RD-07	Primary	02/06/99	Uranium-238	6.68 ± 0.45	Filtered		TN
RD-07	Primary	03/16/00	Thorium-228	-0.098 ± 0.14	Filtered		TR
RD-07	Primary	03/16/00	Thorium-230	0.644 ± 0.232 B	Filtered		TR
RD-07	Primary	03/16/00	Thorium-232	0.014 ± 0.028	Filtered		TR
RD-07	Primary	03/16/00	Uranium-233/234	4.37 ± 0.40	Filtered		TR
RD-07	Primary	03/16/00	Uranium-235	0.193 ± 0.092	Filtered		TR
RD-07	Primary	03/16/00	Uranium-238	3.62 ± 0.362 B	Filtered		TR
RD-07	Primary	02/23/01	Thorium-228	0.056 ± 0.79	Filtered		ES
RD-07	Primary	02/23/01	Thorium-230	-0.028 ± 0.045	Filtered		ES
RD-07	Primary	02/23/01	Thorium-232	0 ± 0.023	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-07	Primary	02/23/01	Uranium-233/234	5.26 ± 0.39	Filtered		ES
RD-07	Primary	02/23/01	Uranium-235	0.322 ± 0.091	Filtered		ES
RD-07	Primary	02/23/01	Uranium-238	4.22 ± 0.34	Filtered		ES
RD-07	Primary	02/22/02	Thorium-228	0.21 ± 1.00	Filtered		DL
RD-07	Primary	02/22/02	Thorium-230	0 ± 1.00	Filtered		DL
RD-07	Primary	02/22/02	Thorium-232	0 ± 1.00	Filtered		DL
RD-07	Primary	02/22/02	Uranium-233/234	9.22 ± 3.00	Filtered		DL
RD-07	Primary	02/22/02	Uranium-235	0.33 ± 1.00	Filtered		DL
RD-07	Primary	02/22/02	Uranium-238	8.19 ± 3.00	Filtered		DL
RD-07(Z3)	Primary	01/29/03	Thorium-228	0.058 ± 0.020	Filtered		ES
RD-07(Z3)	Primary	01/29/03	Thorium-230	0.029 ± 0.047	Filtered		ES
RD-07(Z3)	Primary	01/29/03	Thorium-232	0.004 ± 0.008	Filtered		ES
RD-07(Z3)	Primary	01/29/03	Uranium-233/234	14.7 ± 0.51	Filtered		ES
RD-07(Z3)	Primary	01/29/03	Uranium-235	0.551 ± 0.084	Filtered		ES
RD-07(Z3)	Primary	01/29/03	Uranium-238	11.8 ± 0.44	Filtered		ES
RD-07(Z13)	Primary	08/28/03	Radium-226	0.289 J ± 0.035	Filtered		ES
RD-07(Z13)	Primary	08/28/03	Radium-228	11.8 ± 0.44	Filtered		ES
RD-07(Z4)	Primary	08/25/04	Radium-226	0.259 J ± 0.039	Filtered		ES
RD-07(Z4)	Primary	08/25/04	Radium-228	0.539 U ± 0.24	Filtered		ES
RD-07(Z4)	Primary	08/25/04	Thorium-228	0.021 U ± 0.028	Filtered		ES
RD-07(Z4)	Primary	08/25/04	Thorium-230	-0.014 U ± 0.056	Filtered		ES
RD-07(Z4)	Primary	08/25/04	Thorium-232	-0.011 U ± 0.014	Filtered		ES
RD-07(Z5)	Primary	08/25/04	Radium-226	0.169 J ± 0.033	Filtered		ES
RD-07(Z5)	Primary	08/25/04	Radium-228	0.493 U ± 0.27	Filtered		ES
RD-07(Z5)	Primary	08/25/04	Thorium-228	0.008 U ± 0.024	Filtered		ES
RD-07(Z5)	Primary	08/25/04	Thorium-230	0.083 U ± 0.071	Filtered		ES
RD-07(Z5)	Primary	08/25/04	Thorium-232	-0.004 U ± 0.016	Filtered		ES
RD-07(Z6)	Primary	08/25/04	Radium-226	0.729 J ± 0.069	Filtered		ES
RD-07(Z6)	Primary	08/25/04	Radium-228	1.36 ± 0.33	Filtered		ES
RD-07(Z6)	Primary	08/25/04	Thorium-228	0 U ± 0.021	Filtered		ES
RD-07(Z6)	Primary	08/25/04	Thorium-230	-0.014 U ± 0.055	Filtered		ES
RD-07(Z6)	Primary	08/25/04	Thorium-232	-0.010 U ± 0.014	Filtered		ES
RD-07(Z7)	Primary	08/25/04	Radium-226	0.302 J ± 0.046	Filtered		ES
RD-07(Z7)	Primary	08/25/04	Radium-228	0.772 J ± 0.35	Filtered		ES
RD-07(Z7)	Primary	08/25/04	Thorium-228	0.004 U ± 0.030	Filtered		ES
RD-07(Z7)	Primary	08/25/04	Thorium-230	0.007 U ± 0.052	Filtered		ES
RD-07(Z7)	Primary	08/25/04	Thorium-232	-0.011 U ± 0.015	Filtered		ES
RD-07(Z8)	Primary	08/25/04	Radium-226	0.399 J ± 0.051	Filtered		ES
RD-07(Z8)	Primary	08/25/04	Radium-228	0.797 J ± 0.28	Filtered		ES
RD-07(Z8)	Primary	08/25/04	Thorium-228	0.019 U ± 0.023	Filtered		ES
RD-07(Z8)	Primary	08/25/04	Thorium-230	0.068 U ± 0.061	Filtered		ES
RD-07(Z8)	Primary	08/25/04	Thorium-232	0.008 U ± 0.015	Filtered		ES
RD-07(Z9)	Primary	08/25/04	Radium-226	0.302 J ± 0.044	Filtered		ES
RD-07(Z9)	Primary	08/25/04	Radium-228	0.949 J ± 0.31	Filtered		ES
RD-07(Z9)	Primary	08/25/04	Thorium-228	0.048 J ± 0.28	Filtered		ES
RD-07(Z9)	Primary	08/25/04	Thorium-230	0.029 U ± 0.058	Filtered		ES
RD-07(Z9)	Primary	08/25/04	Thorium-232	-0.004 U ± 0.015	Filtered		ES
RD-07(Z10)	Primary	08/25/04	Radium-226	0.297 J ± 0.043	Filtered		ES
RD-07(Z10)	Primary	08/25/04	Radium-228	0.870 J ± 0.24	Filtered		ES
RD-07(Z10)	Primary	08/25/04	Thorium-228	0.015 U ± 0.024	Filtered		ES
RD-07(Z10)	Primary	08/25/04	Thorium-230	0.029 U ± 0.059	Filtered		ES
RD-07(Z10)	Primary	08/25/04	Thorium-232	0.006 U ± 0.012	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-07(Z11)	Primary	08/25/04	Radium-226	0.298 J ± 0.044	Filtered		ES
RD-07(Z11)	Primary	08/25/04	Radium-228	0.861 J ± 0.29	Filtered		ES
RD-07(Z11)	Primary	08/25/04	Thorium-228	0.009 U ± 0.023	Filtered		ES
RD-07(Z11)	Primary	08/25/04	Thorium-230	-0.005 U ± 0.047	Filtered		ES
RD-07(Z11)	Primary	08/25/04	Thorium-232	0.005 U ± 0.014	Filtered		ES
RD-07(Z12)	Primary	08/25/04	Radium-226	0.323 J ± 0.045	Filtered		ES
RD-07(Z12)	Primary	08/25/04	Radium-228	0.847 J ± 0.28	Filtered		ES
RD-07(Z12)	Primary	08/25/04	Thorium-228	0.030 U ± 0.033	Filtered		ES
RD-07(Z12)	Primary	08/25/04	Thorium-230	-0.003 U ± 0.053	Filtered		ES
RD-07(Z12)	Primary	08/25/04	Thorium-232	-0.003 U ± 0.013	Filtered		ES
RD-07(Z13)	Primary	08/25/04	Radium-226	0.344 J ± 0.047	Filtered		ES
RD-07(Z13)	Primary	08/25/04	Radium-228	0.835 J ± 0.27	Filtered		ES
RD-07(Z13)	Primary	08/25/04	Thorium-228	0.045 J ± 0.034	Filtered		ES
RD-07(Z13)	Primary	08/25/04	Thorium-230	-0.017 U ± 0.055	Filtered		ES
RD-07(Z13)	Primary	08/25/04	Thorium-232	0.007 U ± 0.021	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Radium-226	0.085 U ± 0.32	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Radium-228	0.360 U ± 0.24	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Thorium-228	-0.007 U ± 0.022	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Thorium-230	0.180 ± 0.073	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Thorium-232	0.018 U ± 0.022	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Uranium-234	5.26 ± 0.42	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Uranium-235	0.187 J ± 0.057	Filtered		ES
RD-07(Z3)	Primary	02/17/05	Uranium-238	4.22 ± 0.35	Filtered		ES
RD-07(Z3)	Primary	08/31/05	Radium-226	0.205 U ± 0.35	Filtered		ES
RD-07(Z3)	Primary	08/31/05	Radium-228	0.404 U ± 0.22	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Radium-226	0.219 U ± 0.42	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Radium-228	0.088 U ± 0.76	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Thorium-228	-0.006 U ± 0.023	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Thorium-230	-0.040 ± 0.046	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Thorium-232	-0.011 U ± 0.011	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Uranium-233/234	22.2 ± 1.3	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Uranium-235	0.948 J ± 0.12	Filtered		ES
RD-07(Z3)	Primary	02/16/06	Uranium-238	17.5 ± 1.1	Filtered		ES
RD-07(Z3)	Primary	08/16/06	Radium-226	-0.007U ± 0.41	Filtered		ES
RD-07(Z3)	Primary	08/16/06	Radium-228	0.218U ± 0.61	Filtered		ES
RD-07(Z3)	Primary	08/16/06	Uranium-234	27.8 ± 1.6	Filtered		ES
RD-07(Z3)	Primary	08/16/06	Uranium-235	1.77 ± 0.16	Filtered		ES
RD-07(Z3)	Primary	08/16/06	Uranium-238	22 ± 1.3	Filtered		ES
RD-13	Primary	10/31/89	Plutonium 239/240	0.00239 ± 0.00576	Filtered		UST
RD-13	Primary	10/31/89	Plutonium-238	-0.000770 ± 0.00589	Filtered		UST
RD-13	Primary	08/26/97	Uranium-233/234	2.22 ± 0.33	Unfiltered		LAS
RD-13	Primary	08/26/97	Uranium-233/234	2.06 ± 0.32	Filtered		LAS
RD-13	Primary	08/26/97	Uranium-235	0.124 ± 0.077	Unfiltered		LAS
RD-13	Primary	08/26/97	Uranium-235	0.089 ± 0.065	Filtered		LAS
RD-13	Primary	08/26/97	Uranium-238	1.38 ± 0.25	Unfiltered		LAS
RD-13	Primary	08/26/97	Uranium-238	1.29 ± 0.24	Filtered		LAS
RD-14	Primary	10/31/89	Radium-226	0.469 ± 0.137	Unfiltered		UST
RD-14	Primary	10/31/89	Radium-228	0.585 ± 0.160	Filtered		UST
RD-14	Primary	10/31/89	Radium-228	0.747 ± 0.391	Unfiltered		UST
RD-14	Primary	10/31/89	Radium-228	0.901 ± 0.492	Filtered		UST
RD-14	Primary	10/31/89	Thorium-228	0.0404 ± 0.0288	Unfiltered		UST
RD-14	Primary	10/31/89	Thorium-228	0.0406 ± 0.0347	Filtered		UST

See last page of Table E-IV for notes and abbreviations.

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 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-14	Primary	10/31/89	Thorium-230	0.00388 ± 0.00550	Unfiltered		UST
RD-14	Primary	10/31/89	Thorium-232	0.00 ± 0.0142	Filtered		UST
RD-14	Primary	10/31/89	Thorium-232	0.0136 ± 0.0104	Unfiltered		UST
RD-14	Primary	10/31/89	Thorium-232	0.00410 ± 0.0153	Filtered		UST
RD-14	Primary	10/31/89	Uranium-234	2.99 ± 0.539	Unfiltered		UST
RD-14	Primary	10/31/89	Uranium-234	2.63 ± 0.453	Filtered		UST
RD-14	Primary	10/31/89	Uranium-235	0.0662 ± 0.0881	Unfiltered		UST
RD-14	Primary	10/31/89	Uranium-235	0.131 ± 0.0889	Filtered		UST
RD-14	Primary	10/31/89	Uranium-238	2.68 ± 0.495	Unfiltered		UST
RD-14	Primary	10/31/89	Uranium-238	2.57 ± 0.441	Filtered		UST
RD-15	Primary	05/10/01	Uranium-233/234	4.81 ± 0.88	Filtered		ES
RD-15	Primary	05/10/01	Uranium-235	0.296 ± 0.22	Filtered		ES
RD-15	Primary	05/10/01	Uranium-238	4.59 ± 0.82	Filtered		ES
RD-15	Primary	03/06/02	Uranium-233/234	3.07 ± 1.00	Filtered		DL
RD-15	Primary	03/06/02	Uranium-235	0.30 ± 1.00	Filtered		DL
RD-15	Primary	03/06/02	Uranium-238	2.84 ± 1.00	Filtered		DL
RD-15	Primary	02/26/03	Uranium-233/234	2.86 ± 0.20	Filtered		ES
RD-15	Primary	02/26/03	Uranium-235	0.122 ± 0.043	Filtered		ES
RD-15	Primary	02/26/03	Uranium-238	2.71 ± 0.19	Filtered		ES
RD-15	Primary	02/24/04	Radium-226	0.624 J ± 0.083	Filtered		ES
RD-15	Primary	02/24/04	Radium-228	0.825 J ± 0.17	Filtered		ES
RD-15	Primary	02/24/04	Uranium-233/234	5.51 ± 0.39	Filtered		ES
RD-15	Primary	02/24/04	Uranium-235	0.274 J ± 0.063	Filtered		ES
RD-15	Primary	02/24/04	Uranium-238	5.41 ± 0.39	Filtered		ES
RD-15	Primary	08/09/04	Radium-226	0.962 J ± 0.11	Filtered		ES
RD-15	Primary	08/09/04	Radium-228	0.984 J ± 0.21	Filtered		ES
RD-15	Primary	02/14/05	Radium-226	0.946 J ± 0.34	Filtered		ES
RD-15	Primary	02/14/05	Radium-228	1.49 ± 0.28	Filtered		ES
RD-15	Primary	02/14/05	Uranium-234	4.19 ± 0.36	Filtered		ES
RD-15	Primary	02/14/05	Uranium-235	0.257 J ± 0.071	Filtered		ES
RD-15	Primary	02/14/05	Uranium-238	4.08 ± 0.35	Filtered		ES
RD-15	Primary	08/24/05	Radium-226	0.061 J ± 0.024	Filtered		ES
RD-15	Primary	08/24/05	Radium-228	1.58 ± 0.27	Filtered		ES
RD-15	Primary	02/16/06	Radium-226	0.747 U ± 0.59	Filtered		ES
RD-15	Split	02/16/06	Radium-226	0.766 J ± 0.233	Filtered		STL
RD-15	Primary	02/16/06	Radium-228	1.23 ± 0.23	Filtered		ES
RD-15	Split	02/16/06	Radium-228	1.17 ± 0.357	Filtered		STL
RD-15	Primary	02/16/06	Uranium-233/234	3.46 ± 0.35	Filtered		ES
RD-15	Split	02/16/06	Uranium-233/234	3.49 ± 1.11	Filtered		STL
RD-15	Primary	02/16/06	Uranium-235	0.086 J ± 0.057	Filtered		ES
RD-15	Split	02/16/06	Uranium-235	0.191 J ± 0.196	Filtered		STL
RD-15	Primary	02/16/06	Uranium-238	3.02 ± 0.32	Filtered		ES
RD-15	Split	02/16/06	Uranium-238	2.72 ± 0.930	Filtered		STL
RD-15	Primary	08/08/06	Radium-226	0.479U ± 0.46	Filtered		ES
RD-15	Split	08/08/06	Radium-226	0.746 ± 0.22	Filtered		STL
RD-15	Primary	08/08/06	Radium-228	1.59 ± 0.28	Filtered		ES
RD-15	Split	08/08/06	Radium-228	2.4 ± 0.44	Filtered		STL
RD-17	Primary	02/08/99	Thorium-228	0.018 ± 0.048	Filtered		TN
RD-17	Primary	02/08/99	Thorium-230	0.072 ± 0.060	Filtered		TN
RD-17	Primary	02/08/99	Thorium-232	0.012 ± 0.024	Filtered		TN
RD-17	Primary	02/08/99	Uranium-233/234	1.56 ± 0.16	Filtered		TN
RD-17	Primary	02/08/99	Uranium-235	0.103 ± 0.043	Filtered		TN

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-17	Primary	02/08/99	Uranium-238	1.19 ± 0.14	Filtered		TN
RD-17	Primary	02/23/04	Radium-226	1.28 ± 0.13	Filtered		ES
RD-17	Primary	02/23/04	Radium-228	1.5 ± 0.21	Filtered		ES
RD-17	Primary	08/09/04	Radium-226	1.07 ± 0.12	Filtered		ES
RD-17	Primary	08/09/04	Radium-228	1.44 ± 0.24	Filtered		ES
RD-17	Primary	02/15/05	Radium-226	1.07 ± 0.38	Filtered		ES
RD-17	Primary	02/15/05	Radium-228	1.20 ± 0.26	Filtered		ES
RD-17	Primary	08/23/05	Radium-226	0.526 U ± 0.48	Filtered		ES
RD-17	Primary	08/23/05	Radium-228	1.26 ± 0.32	Filtered		ES
RD-17	Primary	02/16/06	Radium-226	1.51 ± 0.61	Filtered		ES
RD-17	Primary	02/16/06	Radium-228	1.75 ± 0.28	Filtered		ES
RD-17	Primary	08/10/06	Radium-226	0.734U ± 0.61	Filtered		ES
RD-17	Primary	08/10/06	Radium-228	0.517J ± 0.19	Filtered		ES
RD-18	Primary	03/17/93	Radium-226	4.0 ± 2.4	Filtered		CEP
RD-18	Primary	03/17/93	Radium-228	<1	Filtered		CEP
RD-18	Primary	06/08/93	Radium-226	10.8 ± 3.8	Filtered		CEP
RD-18	Primary	06/08/93	Radium-228	<1	Filtered		CEP
RD-18	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
RD-18	Primary	11/04/93	Radium-226	0.84 ± 0.27	Filtered		LAS
RD-19	Primary	03/08/93	Uranium-234	12.8 ± 2.8	Filtered		CEP
RD-19	Primary	03/08/93	Uranium-235	0.51 ± 0.20	Filtered		CEP
RD-19	Primary	03/08/93	Uranium-238	16.3 ± 3.2	Filtered		CEP
RD-19	Primary	02/06/96	Uranium-233/234	3.71 ± 0.55	Filtered		LAS
RD-19	Primary	02/06/96	Uranium-235	0.32 ± 0.16	Filtered		LAS
RD-19	Primary	02/06/96	Uranium-238	3.22 ± 0.50	Filtered		LAS
RD-19	Primary	02/06/98	Thorium-228	0.008 ± 0.031	Filtered		TN
RD-19	Primary	02/06/98	Thorium-230	<0.069	Filtered		TN
RD-19	Primary	02/06/98	Thorium-232	0.018 ± 0.015	Filtered		TN
RD-19	Primary	02/06/98	Uranium-233/234	13.0 ± 0.54	Filtered		TN
RD-19	Primary	02/06/98	Uranium-235	0.723 ± 0.092	Filtered		TN
RD-19	Primary	02/06/98	Uranium-238	12.4 ± 0.52	Filtered		TN
RD-21	Primary	10/24/01	Uranium-233/234	6.91 ± 0.21	Filtered		DL
RD-21	Primary	10/24/01	Uranium-235	0.21 ± 0.08	Filtered		DL
RD-21	Primary	10/24/01	Uranium-238	6.40 ± 0.20	Filtered		DL
RD-21(Z2)	Primary	11/04/04	Radium-226	1.33 ± 0.41	Filtered		ES
RD-21(Z2)	Primary	11/04/04	Radium-228	-0.230 U ± 0.33	Filtered		ES
RD-21(Z2)	Primary	11/04/04	Uranium-233/234	5.6 ± 0.40	Filtered		ES
RD-21(Z2)	Primary	11/04/04	Uranium-235	0.285 J ± 0.065	Filtered		ES
RD-21(Z2)	Primary	11/04/04	Uranium-238	4.88 ± 0.36	Filtered		ES
RD-21(Z2)	Primary	02/16/05	Radium-226	0.243 U ± 0.38	Filtered		ES
RD-21(Z2)	Primary	02/16/05	Radium-228	0.312 U ± 0.21	Filtered		ES
RD-21(Z2)	Primary	02/16/05	Uranium-234	5.78 ± 0.42	Filtered		ES
RD-21(Z2)	Primary	02/16/05	Uranium-235	0.267 J ± 0.062	Filtered		ES
RD-21(Z2)	Primary	02/16/05	Uranium-238	4.67 ± 0.36	Filtered		ES
RD-21(Z2)	Primary	09/01/05	Radium-226	0.393 U ± 0.4	Filtered		ES
RD-21(Z2)	Primary	09/01/05	Radium-228	0.418 U ± 0.23	Filtered		ES
RD-21(Z2)	Primary	09/01/05	Uranium-234	5.70 ± 0.43	Filtered		ES
RD-21(Z2)	Primary	09/01/05	Uranium-235	0.269 J ± 0.068	Filtered		ES
RD-21(Z2)	Primary	09/01/05	Uranium-238	4.64 ± 0.36	Filtered		ES
RD-21(Z2)	Primary	02/16/06	Radium-226	0.346 U ± 0.45	Filtered		ES
RD-21(Z2)	Primary	02/16/06	Radium-228	-0.029 ± 0.40	Filtered		ES
RD-21(Z2)	Primary	02/16/06	Uranium-233/234	5.32 ± 0.40	Filtered		ES

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 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-21(Z2)	Primary	02/16/06	Uranium-235	0.224 J ± 0.064	Filtered		ES
RD-21(Z2)	Primary	02/16/06	Uranium-238	4.61 ± 0.36	Filtered		ES
RD-21(Z2)	Primary	08/16/06	Radium-226	0.092U ± 0.42	Filtered		ES
RD-21(Z2)	Primary	08/16/06	Radium-228	0.684J ± 0.2	Filtered		ES
RD-21(Z2)	Primary	08/16/06	Uranium-234	8.4 ± 0.57	Filtered		ES
RD-21(Z2)	Primary	08/16/06	Uranium-235	0.367J ± 0.074	Filtered		ES
RD-21(Z2)	Primary	08/16/06	Uranium-238	7.98 ± 0.54	Filtered		ES
RD-22(Z2)	Primary	11/12/04	Radium-226	1.81 ± 0.44	Filtered		ES
RD-22(Z2)	Primary	11/12/04	Radium-228	2.36 ± 0.32	Filtered		ES
RD-22(Z2)	Primary	02/17/05	Radium-226	1.27 ± 0.52	Filtered		ES
RD-22(Z2)	Primary	02/17/05	Radium-228	3.34 ± 0.37	Filtered		ES
RD-22(Z2)	Primary	08/31/05	Radium-226	1.15 ± 0.46	Filtered		ES
RD-22(Z2)	Primary	08/31/05	Radium-228	2.87 ± 0.35	Filtered		ES
RD-22(Z2)	Primary	02/15/06	Radium-226	1.52 ± 0.48	Filtered		ES
RD-22(Z2)	Primary	02/15/06	Radium-228	2.86 ± 0.41	Filtered		ES
RD-22	Primary	08/16/06	Radium-226	1.11 ± 0.57	Filtered		ES
RD-22	Primary	08/16/06	Radium-228	2.7 ± 0.3	Filtered		ES
RD-23	Primary	02/08/99	Thorium-228	0.073 ± 0.040	Filtered		TN
RD-23	Primary	02/08/99	Thorium-230	0.016 ± 0.046	Filtered		TN
RD-23	Primary	02/08/99	Thorium-232	0.003 ± 0.013	Filtered		TN
RD-23	Primary	02/08/99	Uranium-233/234	1.16 ± 0.15	Filtered		TN
RD-23	Primary	02/08/99	Uranium-235	0.097 ± 0.041	Filtered		TN
RD-23	Primary	02/08/99	Uranium-238	1.08 ± 0.14	Filtered		TN
RD-23(Z2)	Primary	11/03/04	Radium-226	1.23 ± 0.40	Filtered		ES
RD-23(Z2)	Primary	11/03/04	Radium-228	0.824 J ± 0.26	Filtered		ES
RD-23(Z2)	Primary	02/14/05	Radium-226	0.512 J ± 0.35	Filtered		ES
RD-23(Z2)	Primary	02/14/05	Radium-228	1.04 ± 0.29	Filtered		ES
RD-23(Z3)	Primary	09/12/05	Radium-226	0.759 J ± 0.47	Filtered		ES
RD-23(Z3)	Primary	09/12/05	Radium-228	0.680 J ± 0.37	Filtered		ES
RD-23(Z3)	Primary	02/17/06	Radium-226	1.24 ± 0.55	Filtered		ES
RD-23(Z3)	Primary	02/17/06	Radium-228	0.857 J ± 0.17	Filtered		ES
RD-23(Z2)	Primary	08/17/06	Radium-226	0.687J ± 0.46	Filtered		ES
RD-23(Z2)	Primary	08/17/06	Radium-228	0.662J ± 0.21	Filtered		ES
RD-24	Primary	11/14/03	Radium-226	0.654 ± 0.075 (J)	Filtered		ES
RD-24	Split	11/14/03	Radium-226	1.15 ± 0.338	Filtered		STL
RD-24	Primary	11/14/03	Radium-228	1.61 ± 0.27	Filtered		ES
RD-24	Split	11/14/03	Radium-228	2.93 ± 0.884 (J)	Filtered		STL
RD-24	Primary	11/14/03	Thorium-234	(U)	Filtered		ES
RD-24	Split	11/14/03	Thorium-234	124 ± 236 (U)	Filtered		STL
RD-24	Primary	11/14/03	Uranium-235	(U)	Filtered		ES
RD-24	Split	11/14/03	Uranium-235	11.3 ± 7.28 (U)	Filtered		STL
RD-24	Primary	02/23/04	Radium-226	0.423 J ± 0.065	Filtered		ES
RD-24	Primary	02/23/04	Radium-228	1.02 ± 0.19	Filtered		ES
RD-24	Primary	08/26/04	Radium-226	0.686 J ± 0.067	Filtered		ES
RD-24	Primary	08/26/04	Radium-228	1.85 ± 0.32	Filtered		ES
RD-24	Primary	02/24/05	Radium-226	0.802 J ± 0.37	Filtered		ES
RD-24	Primary	02/24/05	Radium-228	1.82 ± 0.26	Filtered		ES
RD-24	Primary	09/06/05	Radium-226	0.893 J ± 0.48	Filtered		ES
RD-24	Primary	09/06/05	Radium-228	1.63 ± 0.25	Filtered		ES
RD-24	Primary	02/15/06	Radium-226	0.453 U ± 0.49	Filtered		ES
RD-24	Primary	02/15/06	Radium-228	2.63 ± 0.33	Filtered		ES
RD-24	Primary	08/10/06	Radium-226	0.315U ± 0.53	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-24	Primary	08/10/06	Radium-228	1.78 ± 0.31	Filtered		ES
RD-25	Primary	02/09/95	Uranium-233/234	7.00 ± 0.69	Unfiltered		LAS
RD-25	Primary	02/09/95	Uranium-235	0.43 ± 0.15	Unfiltered		LAS
RD-25	Primary	02/09/95	Uranium-238	6.35 ± 0.65	Unfiltered		LAS
RD-25	Primary	11/13/03	Radium-226	0.630 ± 0.073 (J)	Filtered		ES
RD-25	Primary	11/13/03	Radium-228	0.971 ± 0.21 (J)	Filtered		ES
RD-25	Primary	11/13/03	Thorium-234	(U)	Filtered		ES
RD-25	Primary	11/13/03	Uranium-235	(U)	Filtered		ES
RD-25	Primary	02/23/04	Radium-226	0.443 J ± 0.064	Filtered		ES
RD-25	Split	02/23/04	Radium-226	0.575 J ± 0.222	Filtered		STL
RD-25	Primary	02/23/04	Radium-228	1.4 ± 0.19	Filtered		ES
RD-25	Split	02/23/04	Radium-228	1.03 J ± 0.503	Filtered		STL
RD-27	Primary	11/14/03	Thorium-234	(U)	Filtered		ES
RD-27	Split	11/14/03	Thorium-234	198 ± 268 (U)	Filtered		STL
RD-27	Primary	11/14/03	Uranium-235	(U)	Filtered		ES
RD-27	Split	11/14/03	Uranium-235	5.76 ± 7 (U)	Filtered		STL
RD-27	Primary	02/23/04	Radium-226	0.904 J ± 0.1	Filtered		ES
RD-27	Primary	02/23/04	Radium-228	2.06 ± 0.22	Filtered		ES
RD-27	Primary	08/10/04	Radium-226	1.36 ± 0.15	Filtered		ES
RD-27	Primary	08/10/04	Radium-228	2.18 ± 0.28	Filtered		ES
RD-27	Primary	02/17/05	Radium-226	1.27 ± 0.41	Filtered		ES
RD-27	Primary	02/17/05	Radium-228	2.44 ± 0.30	Filtered		ES
RD-27	Primary	02/17/05	Thorium-228	0.052 J ± 0.037	Filtered		ES
RD-27	Primary	02/17/05	Thorium-230	0.104 ± 0.067	Filtered		ES
RD-27	Primary	02/17/05	Thorium-232	-0.004 U ± 0.015	Filtered		ES
RD-27	Primary	08/24/05	Radium-226	0.057 J ± 0.027	Filtered		ES
RD-27	Primary	08/24/05	Radium-228	2.90 ± 0.37	Filtered		ES
RD-27	Primary	02/20/06	Radium-226	0.999 J ± 0.47	Filtered		ES
RD-27	Primary	02/20/06	Radium-228	2.83 ± 0.29	Filtered		ES
RD-27	Primary	08/25/06	Radium-226	0.974J ± 0.63	Filtered		ES
RD-27	Primary	08/25/06	Radium-228	2.29 ± 0.33	Filtered		ES
RD-28	Primary	02/09/95	Uranium-233/234	8.08 ± 0.73	Unfiltered		LAS
RD-28	Primary	02/09/95	Uranium-235	0.57 ± 0.16	Unfiltered		LAS
RD-28	Primary	02/09/95	Uranium-238	7.29 ± 0.68	Unfiltered		LAS
RD-28	Primary	08/28/97	Uranium-233/234	15.5 ± 1.1	Filtered		LAS
RD-28	Primary	08/28/97	Uranium-235	0.86 ± 0.20	Filtered		LAS
RD-28	Primary	08/28/97	Uranium-238	14.7 ± 1.1	Filtered		LAS
RD-28	Primary	02/05/98	Thorium-228	0.009 ± 0.036	Filtered		TN
RD-28	Primary	02/05/98	Thorium-230	<0.158	Filtered		TN
RD-28	Primary	02/05/98	Thorium-232	0.009 ± 0.018	Filtered		TN
RD-28	Primary	02/05/98	Uranium-233/234	12.9 ± 0.76	Filtered		TN
RD-28	Primary	02/05/98	Uranium-235	0.848 ± 0.15	Filtered		TN
RD-28	Primary	02/05/98	Uranium-238	12.0 ± 0.71	Filtered		TN
RD-28	Primary	02/16/99	Thorium-228	0.014 ± 0.017	Filtered		TN
RD-28	Primary	02/16/99	Thorium-230	0.061 ± 0.041	Filtered		TN
RD-28	Primary	02/16/99	Thorium-232	<0.013	Filtered		TN
RD-28	Primary	02/16/99	Uranium-233/234	12.1 ± 0.83	Filtered		TN
RD-28	Primary	02/16/99	Uranium-235	0.741 ± 0.16	Filtered		TN
RD-28	Primary	02/16/99	Uranium-238	11.6 ± 0.80	Filtered		TN
RD-28	Primary	02/16/00	Thorium-228	0.039 ± 0.11	Filtered		TR
RD-28	Primary	02/16/00	Thorium-230	0.421 ± 0.212 B	Filtered		TR
RD-28	Primary	02/16/00	Thorium-232	0.066 ± 0.079	Filtered		TR

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-28	Primary	02/16/00	Uranium-233/234	8.90 ± 0.81	Filtered		TR
RD-28	Primary	02/16/00	Uranium-235	0.562 ± 0.19	Filtered		TR
RD-28	Primary	02/16/00	Uranium-238	8.70 ± 0.80	Filtered		TR
RD-28	Primary	02/07/01	Thorium-228	0.027 ± 0.080	Filtered		ES
RD-28	Primary	02/07/01	Thorium-230	0.053 ± 0.066	Filtered		ES
RD-28	Primary	02/07/01	Thorium-232	0.007 ± 0.013	Filtered		ES
RD-28	Primary	02/07/01	Uranium-233/234	9.00 ± 0.40	Filtered		ES
RD-28	Primary	02/07/01	Uranium-235	0.485 ± 0.073	Filtered		ES
RD-28	Primary	02/07/01	Uranium-238	8.20 ± 0.37	Filtered		ES
RD-28	Primary	02/25/02	Thorium-228	0 ± 1.00	Filtered		DL
RD-28	Primary	02/25/02	Thorium-230	0 ± 1.00	Filtered		DL
RD-28	Primary	02/25/02	Thorium-232	0 ± 1.00	Filtered		DL
RD-28	Primary	02/25/02	Uranium-233/234	4.50 ± 0.50	Filtered		DL
RD-28	Primary	02/25/02	Uranium-235	0.20 ± 0.50	Filtered		DL
RD-28	Primary	02/25/02	Uranium-238	4.50 ± 0.50	Filtered		DL
RD-28	Primary	02/24/03	Thorium-228	0.044 ± 0.031	Filtered		ES
RD-28	Primary	02/24/03	Thorium-230	0.037 ± 0.050	Filtered		ES
RD-28	Primary	02/24/03	Thorium-232	0.016 ± 0.012	Filtered		ES
RD-28	Primary	02/24/03	Uranium-233/234	9.37 ± 0.40	Filtered		ES
RD-28	Primary	02/24/03	Uranium-235	0.409 ± 0.078	Filtered		ES
RD-28	Primary	02/24/03	Uranium-238	9.31 ± 0.40	Filtered		ES
RD-28	Primary	11/14/03	Radium-226	0.659 ± 0.076 (J)	Filtered		ES
RD-28	Primary	11/14/03	Radium-228	1.32 ± 0.27	Filtered		ES
RD-28	Primary	11/14/03	Thorium-234	(U)	Filtered		ES
RD-28	Primary	11/14/03	Uranium-235	(U)	Filtered		ES
RD-28	Primary	02/23/04	Radium-226	0.485 J ± 0.08	Filtered		ES
RD-28	Split	02/23/04	Radium-226	0.6 J ± 0.265	Filtered		STL
RD-28	Primary	02/23/04	Radium-228	0.83 J ± 0.18	Filtered		ES
RD-28	Split	02/23/04	Radium-228	0.985 J ± 0.507	Filtered		STL
RD-28	Primary	02/23/04	Thorium-228	0.012 U ± 0.017	Filtered		ES
RD-28	Split	02/23/04	Thorium-228	0.109 U ± 0.328	Filtered		STL
RD-28	Primary	02/23/04	Thorium-230	0.025 U ± 0.033	Filtered		ES
RD-28	Split	02/23/04	Thorium-230	0.185 U ± 0.315	Filtered		STL
RD-28	Primary	02/23/04	Thorium-232	0 U ± 0.008	Filtered		ES
RD-28	Split	02/23/04	Thorium-232	-0.0441 U ± 0.04	Filtered		STL
RD-28	Primary	02/23/04	Uranium-233/234	11.1 ± 0.72	Filtered		ES
RD-28	Split	02/23/04	Uranium-233/234	13.9 ± 2.71	Filtered		STL
RD-28	Primary	02/23/04	Uranium-235	0.64 J ± 0.1	Filtered		ES
RD-28	Split	02/23/04	Uranium-235	0.534 J ± 0.282	Filtered		STL
RD-28	Primary	02/23/04	Uranium-238	11.2 ± 0.73	Filtered		ES
RD-28	Split	02/23/04	Uranium-238	11.2 ± 2.25	Filtered		STL
RD-29	Primary	12/08/89	Radium-226	0.844 ± 0.205	Unfiltered		UST
RD-29	Primary	12/08/89	Radium-226	0.832 ± 0.188	Filtered		UST
RD-29	Primary	12/08/89	Radium-228	1.61 ± 0.592	Unfiltered		UST
RD-29	Primary	12/08/89	Radium-228	1.17 ± 0.474	Filtered		UST
RD-29	Primary	12/08/89	Total Uranium	22.2 ± 6.20	Unfiltered		UST
RD-29	Primary	12/08/89	Total Uranium	30.8 ± 8.58	Filtered		UST
RD-29	Primary	12/08/89	Uranium-234	15.6 ± 1.61	Unfiltered		UST
RD-29	Primary	12/08/89	Uranium-235	0.626 ± 0.142	Unfiltered		UST
RD-29	Primary	12/08/89	Uranium-238	14.1 ± 1.46	Unfiltered		UST
RD-29	Primary	03/27/90	Radium-226	0.636 ± 0.171	Unfiltered		UST
RD-29	Primary	03/27/90	Radium-228	0.816 ± 0.414	Unfiltered		UST

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-29	Primary	03/27/90	Uranium-234	15.7 ± 2.49	Unfiltered		UST
RD-29	Primary	03/27/90	Uranium-235	1.39 ± 0.360	Unfiltered		UST
RD-29	Primary	03/27/90	Uranium-238	16.8 ± 2.67	Unfiltered		UST
RD-29	Primary	03/05/91	Uranium-234	9.54 ± 0.971	Filtered		IT
RD-29	Primary	03/05/91	Uranium-235	0.324 ± 0.0748	Filtered		IT
RD-29	Primary	03/05/91	Uranium-238	9.21 ± 0.940	Filtered		IT
RD-29	Primary	03/03/92	Uranium-234	1.32 ± 0.57	Unfiltered		CEP
RD-29	Primary	03/03/92	Uranium-235	<0.6	Unfiltered		CEP
RD-29	Primary	03/03/92	Uranium-238	1.44 ± 0.58	Unfiltered		CEP
RD-29	Primary	05/09/01	Uranium-233/234	3.19 ± 0.28	Filtered		ES
RD-29	Primary	05/09/01	Uranium-235	0.180 ± 0.072	Filtered		ES
RD-29	Primary	05/09/01	Uranium-238	3.14 ± 0.27	Filtered		ES
RD-29	Primary	05/03/02	Uranium-233/234	9.74 ± 0.30	Filtered		DL
RD-29	Primary	05/03/02	Uranium-235	0.51 ± 0.11	Filtered		DL
RD-29	Primary	05/03/02	Uranium-238	9.23 ± 0.31	Filtered		DL
RD-29	Primary	05/13/03	Uranium-233/234	8.74 ± 0.55	Filtered		ES
RD-29	Primary	05/13/03	Uranium-235	0.366 ± 0.069	Filtered		ES
RD-29	Primary	05/13/03	Uranium-238	8.21 ± 0.52	Filtered		ES
RD-29	Primary	02/24/04	Radium-226	0.397 J ± 0.067	Filtered		ES
RD-29	Primary	02/24/04	Radium-228	0.445 J ± 0.16	Filtered		ES
RD-29	Primary	02/24/04	Uranium-233/234	9.44 ± 0.62	Filtered		ES
RD-29	Primary	02/24/04	Uranium-235	0.518 J ± 0.085	Filtered		ES
RD-29	Primary	02/24/04	Uranium-238	9.18 ± 0.6	Filtered		ES
RD-29	Primary	08/09/04	Uranium-233/234	9.7 ± 0.78	Filtered		ES
RD-29	Primary	08/09/04	Uranium-235	0.429 J ± 0.12	Filtered		ES
RD-29	Primary	08/09/04	Uranium-238	9.11 ± 0.75	Filtered		ES
RD-29	Primary	08/09/04	Radium-226	0.541 J ± 0.091	Filtered		ES
RD-29	Primary	08/09/04	Radium-228	0.591 J ± 0.18	Filtered		ES
RD-29	Primary	02/24/05	Radium-226	0.470 J ± 0.27	Filtered		ES
RD-29	Primary	02/24/05	Radium-228	0.158 U ± 0.20	Filtered		ES
RD-29	Primary	02/24/05	Uranium-234	3.16 ± 0.26	Filtered		ES
RD-29	Primary	02/24/05	Uranium-235	0.134 J ± 0.042	Filtered		ES
RD-29	Primary	02/24/05	Uranium-238	2.9 ± 0.25	Filtered		ES
RD-29	Primary	08/25/05	Radium-226	0.273 U ± 0.41	Filtered		ES
RD-29	Primary	08/25/05	Radium-228	0.728 J ± 0.24	Filtered		ES
RD-29	Primary	02/16/06	Radium-226	-0.014 U ± 0.35	Filtered		ES
RD-29	Primary	02/16/06	Radium-228	0.771 J ± 0.24	Filtered		ES
RD-29	Primary	02/16/06	Uranium-233/234	6.92 ± 0.49	Filtered		ES
RD-29	Primary	02/16/06	Uranium-235	0.318 J ± 0.074	Filtered		ES
RD-29	Primary	02/16/06	Uranium-238	6.50 ± 0.46	Filtered		ES
RD-29	Primary	08/11/06	Radium-226	0.263U ± 0.44	Filtered		ES
RD-29	Primary	08/11/06	Radium-228	0.078U ± 0.36	Filtered		ES
RD-29	Primary	08/11/06	Uranium-234	8.26 ± 0.59	Filtered		ES
RD-29	Primary	08/11/06	Uranium-235	0.393J ± 0.087	Filtered		ES
RD-29	Primary	08/11/06	Uranium-238	7.86 ± 0.57	Filtered		ES
RD-30	Primary	08/20/96	Uranium-234	5.63 ± 0.61	Filtered		LAS
RD-30	Primary	08/20/96	Uranium-235	0.49 ± 0.16	Filtered		LAS
RD-30	Primary	08/20/96	Uranium-238	5.54 ± 0.60	Filtered		LAS
RD-30	Primary	11/14/03	Radium-226	0.235 ± 0.045 (J)	Filtered		ES
RD-30	Primary	11/14/03	Radium-228	0.261 ± 0.2 (U)	Filtered		ES
RD-30	Primary	11/14/03	Thorium-234	(U)	Filtered		ES
RD-30	Primary	11/14/03	Uranium-235	(U)	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-30	Primary	02/24/04	Radium-226	0.424 J ± 0.072	Filtered		ES
RD-30	Primary	02/24/04	Radium-228	0.35 U ± 0.14	Filtered		ES
RD-30	Primary	08/10/04	Radium-226	0.429 J ± 0.081	Filtered		ES
RD-30	Primary	08/10/04	Radium-228	0.368 U ± 0.19	Filtered		ES
RD-30	Primary	08/29/05	Radium-226	0.728 J ± 0.42	Filtered		ES
RD-30	Primary	08/29/05	Radium-228	0.363 U ± 0.26	Filtered		ES
RD-30	Split	08/29/05	Radium-228	1.09 ± 0.340	Filtered		STL
RD-30	Split	08/29/05	Radium-226	0.401 J ± 0.16	Filtered		STL
RD-30	Primary	02/17/06	Radium-226	0.474 U ± 0.42	Filtered		ES
RD-30	Primary	02/17/06	Radium-228	0.228 U ± 0.81	Filtered		ES
RD-30	Primary	08/09/06	Radium-226	0.318U ± 0.46	Filtered		ES
RD-30	Split	08/09/06	Radium-226	0.333J ± 0.17	Filtered		STL
RD-30	Primary	08/09/06	Radium-228	0.568J ± 0.17	Filtered		ES
RD-30	Split	08/09/06	Radium-228	0.7J ± 0.35	Filtered		STL
RD-33A	Primary	05/10/94	Strontium-90	-0.07 ± 0.64	Filtered		LAS
RD-33A(Z2)	Primary	11/15/04	Radium-226	0.247 ± 0.26	Filtered		ES
RD-33A(Z2)	Primary	11/15/04	Radium-228	1.65 ± 0.29	Filtered		ES
RD-33A(Z3)	Primary	02/17/05	Radium-226	0.780 J ± 0.47	Filtered		ES
RD-33A(Z3)	Primary	02/17/05	Radium-228	2.19 ± 0.32	Filtered		ES
RD-33A(Z3)	Primary	09/01/05	Radium-226	0.604 J ± 0.30	Filtered		ES
RD-33A(Z3)	Primary	09/01/05	Radium-228	2.69 ± 0.42	Filtered		ES
RD-33A(Z2)	Primary	02/17/06	Radium-226	1.29 ± 0.55	Filtered		ES
RD-33A(Z2)	Primary	02/17/06	Radium-228	1.89 ± 0.25	Filtered		ES
RD-33A(Z2)	Primary	08/18/06	Radium-226	0.549U ± 0.51	Filtered		ES
RD-33A(Z2)	Primary	08/18/06	Radium-228	2.16 ± 0.26	Filtered		ES
RD-33B	Primary	05/10/94	Strontium-90	0.06 ± 0.69	Filtered		LAS
RD-33B	Primary	11/04/04	Radium-226	1.38 ± 0.41	Filtered		ES
RD-33B	Primary	11/04/04	Radium-228	1.13 ± 0.29	Filtered		ES
RD-33B	Primary	02/17/05	Radium-226	1.05 ± 0.32	Filtered		ES
RD-33B	Split	02/17/05	Radium-226	1.34 ± 0.314	Filtered		STL
RD-33B	Primary	02/17/05	Radium-228	1.38 ± 0.32	Filtered		ES
RD-33B	Split	02/17/05	Radium-228	2.47 ± 0.602	Filtered		STL
RD-33B	Primary	08/22/05	Radium-226	0.041 J ± 0.026	Filtered		ES
RD-33B	Split	08/22/05	Radium-226	0.949 J ± 0.257	Filtered		STL
RD-33B	Primary	08/22/05	Radium-228	1.26 ± 0.25	Filtered		ES
RD-33B	Split	08/22/05	Radium-228	1.89 ± 0.501	Filtered		STL
RD-33B	Primary	02/16/06	Radium-226	0.805 J ± 0.53	Filtered		ES
RD-33B	Primary	02/16/06	Radium-228	1.41 ± 0.24	Filtered		ES
RD-33B	Primary	08/09/06	Radium-226	1.18 ± 0.57	Filtered		ES
RD-33B	Split	08/09/06	Radium-226	0.876 ± 0.25	Filtered		STL
RD-33B	Primary	08/09/06	Radium-228	1.4 ± 0.22	Filtered		ES
RD-33B	Split	08/09/06	Radium-228	2.18 ± 0.43	Filtered		STL
RD-33C	Primary	05/09/94	Strontium-90	-0.04 ± 0.8	Filtered		LAS
RD-33C	Primary	11/04/04	Radium-226	1.04 ± 0.37	Filtered		ES
RD-33C	Split	11/04/04	Radium-226	1.63 ± 0.357	Filtered		STL
RD-33C	Primary	11/04/04	Radium-228	2.08 ± 0.31	Filtered		ES
RD-33C	Split	11/04/04	Radium-228	2.57 ± 0.619	Filtered		STL
RD-33C	Primary	02/16/05	Radium-226	1.57 ± 0.43	Filtered		ES
RD-33C	Primary	02/16/05	Radium-228	2.09 ± 0.30	Filtered		ES
RD-33C	Primary	08/22/05	Radium-226	0.036 J ± 0.021	Filtered		ES
RD-33C	Primary	08/22/05	Radium-228	2.87 ± 0.31	Filtered		ES
RD-33C	Primary	02/16/06	Radium-226	1.43 ± 0.66	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-33C	Primary	02/16/06	Radium-228	2.06 ± 0.28	Filtered		ES
RD-33C	Primary	08/08/06	Radium-226	1.49 ± 0.57	Filtered		ES
RD-33C	Primary	08/08/06	Radium-228	2.02 ± 0.25	Filtered		ES
RD-34A	Primary	09/13/92	Radium-226	1.6 ± 0.3	Filtered		CEP
RD-34A	Primary	09/13/92	Radium-228	<1	Filtered		CEP
RD-34A	Primary	09/13/92	Uranium-234	15.4 ± 4.4	Unfiltered		CEP
RD-34A	Primary	09/13/92	Uranium-235	0.90 ± 0.50	Unfiltered		CEP
RD-34A	Primary	09/13/92	Uranium-238	19.3 ± 4.9	Unfiltered		CEP
RD-34A	Primary	12/05/92	Thorium-228	<0.6	Filtered		CEP
RD-34A	Primary	12/05/92	Thorium-230	<0.6	Filtered		CEP
RD-34A	Primary	12/05/92	Thorium-232	<0.6	Filtered		CEP
RD-34A	Primary	12/05/92	Uranium-234	1.22 ± 0.92	Unfiltered		CEP
RD-34A	Primary	12/05/92	Uranium-235	<0.6	Unfiltered		CEP
RD-34A	Primary	12/05/92	Uranium-238	1.42 ± 0.44	Unfiltered		CEP
RD-34A	Primary	03/09/93	Thorium-228	<0.6	Filtered		CEP
RD-34A	Primary	03/09/93	Thorium-230	<0.6	Filtered		CEP
RD-34A	Primary	03/09/93	Thorium-232	<0.6	Filtered		CEP
RD-34A	Primary	03/09/93	Uranium-234	12.1 ± 4.9	Filtered		CEP
RD-34A	Primary	03/09/93	Uranium-235	<0.6	Filtered		CEP
RD-34A	Primary	03/09/93	Uranium-238	10.8 ± 5.4	Filtered		CEP
RD-34A	Primary	06/22/93	Thorium-228	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	06/22/93	Thorium-230	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	06/22/93	Thorium-232	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	06/22/93	Uranium-234	0.9 ± 0.2	Filtered		CEP
RD-34A	Primary	06/22/93	Uranium-235	0.3 ± 0.3	Filtered		CEP
RD-34A	Primary	06/22/93	Uranium-238	1.3 ± 0.2	Filtered		CEP
RD-34A	Primary	08/24/93	Thorium-228	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	08/24/93	Thorium-228	-0.12 ± 0.22	Filtered		LAS
RD-34A	Primary	08/24/93	Thorium-230	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	08/24/93	Thorium-232	0.00 ± 0.05	Filtered		CEP
RD-34A	Primary	08/24/93	Uranium-233/234	10.3 ± 1.6	Filtered		LAS
RD-34A	Primary	08/24/93	Uranium-234	4.6 ± 0.6	Filtered		CEP
RD-34A	Primary	08/24/93	Uranium-235	0.2 ± 0.1	Filtered		CEP
RD-34A	Primary	08/24/93	Uranium-235	0.78 ± 0.39	Filtered		LAS
RD-34A	Primary	08/24/93	Uranium-238	4.9 ± 0.7	Filtered		CEP
RD-34A	Primary	08/24/93	Uranium-238	11.7 ± 1.8	Filtered		LAS
RD-34A	Primary	11/18/93	Thorium-230	0.76 ± 0.37	Filtered		LAS
RD-34A	Primary	11/18/93	Thorium-232	0.33 ± 0.25	Filtered		LAS
RD-34A	Primary	05/09/94	Strontium-90	-0.28 ± 0.63	Filtered		LAS
RD-34A	Primary	11/09/94	Technetium-99	1.3 ± 1.1	Unfiltered		LAS
RD-34A	Primary	05/27/98	Thorium-228	<0.04	Filtered		TN
RD-34A	Primary	05/27/98	Thorium-230	<0.08	Filtered		TN
RD-34A	Primary	05/27/98	Thorium-232	0.01 ± 0.02	Filtered		TN
RD-34A	Primary	05/27/98	Uranium-233/234	9.60 ± 0.89	Filtered		TN
RD-34A	Primary	05/27/98	Uranium-235	0.57 ± 0.18	Filtered		TN
RD-34A	Primary	05/27/98	Uranium-238	10.5 ± 0.95	Filtered		TN
RD-34A	Primary	05/09/01	Thorium-228	0.050 ± 0.17	Filtered		ES
RD-34A	Primary	05/09/01	Thorium-230	0.050 ± 0.13	Filtered		ES
RD-34A	Primary	05/09/01	Thorium-232	0.034 ± 0.034	Filtered		ES
RD-34A	Primary	05/09/01	Uranium-233/234	10.0 ± 0.54	Filtered		ES
RD-34A	Primary	05/09/01	Uranium-235	0.523 ± 0.096	Filtered		ES
RD-34A	Primary	05/09/01	Uranium-238	10.6 ± 0.56	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-34A	Primary	05/16/03	Thorium-228	0.017U ± 0.058	Filtered		ES
RD-34A	Primary	05/16/03	Thorium-230	0.058U ± 0.058	Filtered		ES
RD-34A	Primary	05/16/03	Thorium-232	0.006U ± 0.023	Filtered		ES
RD-34A	Primary	05/16/03	Uranium-233/234	8.23 ± 0.62	Filtered		ES
RD-34A	Primary	05/16/03	Uranium-235	0.362 ± 0.098	Filtered		ES
RD-34A	Primary	05/16/03	Uranium-238	8.52 ± 0.64	Filtered		ES
RD-34A	Primary	05/17/04	Radium-226	0.397 J ± 0.06	Filtered		ES
RD-34A	Primary	05/17/04	Radium-228	0.891 J ± 0.2	Filtered		ES
RD-34A	Primary	05/17/04	Thorium-228	0.02 U ± 0.026	Filtered		ES
RD-34A	Primary	05/17/04	Thorium-230	-0.02 U ± 0.046	Filtered		ES
RD-34A	Primary	05/17/04	Thorium-232	-0.013 U ± 0.007	Filtered		ES
RD-34A	Primary	05/17/04	Uranium-233/234	7.82 ± 0.55	Filtered		ES
RD-34A	Primary	05/17/04	Uranium-235	0.433 J ± 0.086	Filtered		ES
RD-34A	Primary	05/17/04	Uranium-238	7.79 ± 0.55	Filtered		ES
RD-34A	Primary	08/09/04	Uranium-233/234	7.16 ± 0.64	Filtered		ES
RD-34A	Primary	08/09/04	Uranium-235	0.366 J ± 0.12	Filtered		ES
RD-34A	Primary	08/09/04	Uranium-238	7.84 ± 0.69	Filtered		ES
RD-34A	Primary	08/09/04	Radium-226	0.284 J ± 0.068	Filtered		ES
RD-34A	Primary	08/09/04	Radium-228	0.726 J ± 0.18	Filtered		ES
RD-34A	Primary	02/17/05	Radium-226	0.231 U ± 0.32	Filtered		ES
RD-34A	Primary	02/17/05	Radium-228	0.240 U ± 0.20	Filtered		ES
RD-34A	Primary	02/17/05	Thorium-228	0.011 U ± 0.021	Filtered		ES
RD-34A	Primary	02/17/05	Thorium-230	0.214 ± 0.080	Filtered		ES
RD-34A	Primary	02/17/05	Thorium-232	0.018 U ± 0.021	Filtered		ES
RD-34A	Primary	02/17/05	Uranium-234	8.18 ± 0.58	Filtered		ES
RD-34A	Primary	02/17/05	Uranium-235	0.401 J ± 0.086	Filtered		ES
RD-34A	Primary	02/17/05	Uranium-238	8.47 ± 0.60	Filtered		ES
RD-34A	Primary	08/25/05	Radium-226	0.096 U ± 0.43	Filtered		ES
RD-34A	Primary	08/25/05	Radium-228	1.34 ± 0.27	Filtered		ES
RD-34A	Primary	08/25/05	Uranium-234	9.06 ± 0.61	Filtered		ES
RD-34A	Primary	08/25/05	Uranium-235	0.519 J ± 0.096	Filtered		ES
RD-34A	Primary	08/25/05	Uranium-238	9.34 ± 0.63	Filtered		ES
RD-34A	Primary	02/21/06	Radium-226	0.277 U ± 0.39	Filtered		ES
RD-34A	Primary	02/21/06	Radium-228	-0.103 U ± 0.53	Filtered		ES
RD-34A	Primary	02/21/06	Thorium-228	0.010 U ± 0.026	Filtered		ES
RD-34A	Primary	02/21/06	Thorium-230	0.003 U ± 0.051	Filtered		ES
RD-34A	Primary	02/21/06	Thorium-232	0.003 U ± 0.019	Filtered		ES
RD-34A	Primary	02/21/06	Uranium-233/234	8.82 ± 0.57	Filtered		ES
RD-34A	Primary	02/21/06	Uranium-235	0.418 J ± 0.074	Filtered		ES
RD-34A	Primary	02/21/06	Uranium-238	9.00 ± 0.58	Filtered		ES
RD-34A	Primary	11/16/06	Radium-226	0.801J ± 0.52	Filtered		ES
RD-34A	Primary	11/16/06	Radium-228	0.859J ± 0.22	Filtered		ES
RD-34A	Primary	11/16/06	Uranium-234	11 ± 0.73	Filtered		ES
RD-34A	Primary	11/16/06	Uranium-235	0.628BJ ± 0.1	Filtered		ES
RD-34A	Primary	11/16/06	Uranium-238	11.2 ± 0.75	Filtered		ES
RD-34B	Primary	05/10/94	Strontium-90	-0.09 ± 0.66	Filtered		LAS
RD-34B	Primary	02/24/04	Radium-226	0.899 J ± 0.1	Filtered		ES
RD-34B	Primary	02/24/04	Radium-228	1.52 ± 0.2	Filtered		ES
RD-34B	Primary	02/24/04	Uranium-233/234	0.443 J ± 0.076	Filtered		ES
RD-34B	Primary	02/24/04	Uranium-235	0.01 U ± 0.02	Filtered		ES
RD-34B	Primary	02/24/04	Uranium-238	0.246 J ± 0.057	Filtered		ES
RD-34B	Primary	08/09/04	Radium-226	1.14 ± 0.12	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-34B	Primary	08/09/04	Radium-228	1.39 ± 0.22	Filtered		ES
RD-34B	Primary	02/15/05	Radium-226	1.39 ± 0.41	Filtered		ES
RD-34B	Primary	02/15/05	Radium-228	2.47 ± 0.37	Filtered		ES
RD-34B	Primary	02/15/05	Uranium-234	1.39 ± 0.17	Filtered		ES
RD-34B	Primary	02/15/05	Uranium-235	0.051 J ± 0.037	Filtered		ES
RD-34B	Primary	02/15/05	Uranium-238	1.2 ± 0.15	Filtered		ES
RD-34B	Primary	08/23/05	Radium-226	1.26 ± 0.57	Filtered		ES
RD-34B	Primary	08/23/05	Radium-228	2.45 ± 0.30	Filtered		ES
RD-34B	Primary	02/17/06	Radium-226	1.52 ± 0.55	Filtered		ES
RD-34B	Primary	02/17/06	Radium-228	0.044 U ± 0.35	Filtered		ES
RD-34B	Primary	02/17/06	Uranium-233/234	0.474 J ± 0.083	Filtered		ES
RD-34B	Primary	02/17/06	Uranium-235	0.024 U ± 0.024	Filtered		ES
RD-34B	Primary	02/17/06	Uranium-238	0.484 J ± 0.084	Filtered		ES
RD-34B	Primary	08/09/06	Radium-226	1.9 ± 0.7	Filtered		ES
RD-34B	Primary	08/09/06	Radium-228	1.94 ± 0.42	Filtered		ES
RD-34C	Primary	05/09/94	Strontium-90	-0.47 ± 0.6	Filtered		LAS
RD-34C	Primary	02/24/04	Radium-226	0.789 J ± 0.097	Filtered		ES
RD-34C	Primary	02/24/04	Radium-228	1.35 ± 0.19	Filtered		ES
RD-34C	Primary	08/09/04	Radium-226	0.439 J ± 0.08	Filtered		ES
RD-34C	Primary	08/09/04	Radium-228	1.34 ± 0.22	Filtered		ES
RD-34C	Primary	02/15/05	Radium-226	0.458 U ± 0.34	Filtered		ES
RD-34C	Primary	02/15/05	Radium-228	1.80 ± 0.28	Filtered		ES
RD-34C	Primary	08/23/05	Radium-226	0.433 U ± 0.49	Filtered		ES
RD-34C	Primary	08/23/05	Radium-228	1.78 ± 0.28	Filtered		ES
RD-34C	Primary	02/21/06	Radium-226	0.550 U ± 0.44	Filtered		ES
RD-34C	Split	02/21/06	Radium-226	0.546 J ± 0.230	Filtered		STL
RD-34C	Primary	02/21/06	Radium-228	1.64 ± 0.27	Filtered		ES
RD-34C	Split	02/21/06	Radium-228	1.64 ± 0.426	Filtered		STL
RD-34C	Primary	08/09/06	Radium-226	0.981J ± 0.54	Filtered		ES
RD-34C	Primary	08/09/06	Radium-228	1.68 ± 0.24	Filtered		ES
RD-35B	Primary	08/18/99	Thorium-228	0 ± 0.18	Filtered		TN
RD-35B	Primary	08/18/99	Thorium-230	-0.044 ± 0.13	Filtered		TN
RD-35B	Primary	08/18/99	Thorium-232	0.022 ± 0.044	Filtered		TN
RD-35B	Primary	08/18/99	Uranium-233/234	0.713 ± 0.19	Filtered		TN
RD-35B	Primary	08/18/99	Uranium-235	0.050 ± 0.050	Filtered		TN
RD-35B	Primary	08/18/99	Uranium-238	0.362 ± 0.13	Filtered		TN
RD-44	Primary	08/24/97	Radon-222	358 ± 31	Unfiltered		LAS
RD-47	Primary	08/24/97	Radon-222	698 ± 47	Unfiltered		LAS
RD-50	Primary	05/05/94	Uranium-233/234	5.85 ± 0.89	Filtered		LAS
RD-50	Primary	05/05/94	Uranium-235	1.22 ± 0.39	Filtered		LAS
RD-50	Primary	05/05/94	Uranium-238	3.24 ± 0.65	Filtered		LAS
RD-54A	Primary	02/08/98	Thorium-228	0.011 ± 0.034	Filtered		TN
RD-54A	Primary	02/08/98	Thorium-230	<0.077	Filtered		TN
RD-54A	Primary	02/08/98	Thorium-232	0.025 ± 0.017	Filtered		TN
RD-54A	Primary	02/08/98	Uranium-233/234	0.650 ± 0.079	Filtered		TN
RD-54A	Primary	02/08/98	Uranium-235	0.015 ± 0.015	Filtered		TN
RD-54A	Primary	02/08/98	Uranium-238	0.496 ± 0.065	Filtered		TN
RD-54A	Primary	02/08/99	Thorium-228	0.007 ± 0.070	Filtered		TN
RD-54A	Primary	02/08/99	Thorium-230	0.028 ± 0.070	Filtered		TN
RD-54A	Primary	02/08/99	Thorium-232	0 ± 0.014	Filtered		TN
RD-54A	Primary	02/08/99	Uranium-233/234	6.58 ± 0.42	Filtered		TN
RD-54A	Primary	02/08/99	Uranium-235	0.307 ± 0.079	Filtered		TN

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-54A	Primary	02/08/99	Uranium-238	5.79 ± 0.39	Filtered		TN
RD-54A	Primary	03/15/00	Thorium-228	0.090 ± 0.13	Filtered		TR
RD-54A	Primary	03/15/00	Thorium-230	0.822 ± 0.262 B	Filtered		TR
RD-54A	Primary	03/15/00	Thorium-232	0.026 ± 0.051	Filtered		TR
RD-54A	Primary	03/15/00	Uranium-233/234	1.55 ± 0.34	Filtered		TR
RD-54A	Primary	03/15/00	Uranium-235	0.080 ± 0.080	Filtered		TR
RD-54A	Primary	03/15/00	Uranium-238	1.53 ± 0.342 B	Filtered		TR
RD-54A	Primary	10/26/01	Thorium-228	0.36 ± 0.20	Filtered		DL
RD-54A	Primary	10/26/01	Thorium-230	0.44 ± 0.61	Filtered		DL
RD-54A	Primary	10/26/01	Thorium-232	0.55 ± 0.05	Filtered		DL
RD-54A	Primary	10/26/01	Uranium-233/234	8.82 ± 0.23	Filtered		DL
RD-54A	Primary	10/26/01	Uranium-235	0.22 ± 0.04	Filtered		DL
RD-54A	Primary	10/26/01	Uranium-238	7.34 ± 0.21	Filtered		TR
RD-54A	Primary	02/27/02	Thorium-228	0 ± 1.00	Filtered		DL
RD-54A	Primary	02/27/02	Thorium-230	0 ± 1.00	Filtered		DL
RD-54A	Primary	02/27/02	Thorium-232	0 ± 1.00	Filtered		DL
RD-54A	Primary	02/27/02	Uranium-233/234	4.10 ± 0.19	Filtered		DL
RD-54A	Primary	02/27/02	Uranium-235	0.10 ± 0.10	Filtered		DL
RD-54A	Primary	02/27/02	Uranium-238	4.00 ± 0.17	Filtered		DL
RD-54A(Z2)	Primary	02/18/03	Thorium-228	0.052 ± 0.048	Filtered		ES
RD-54A(Z2)	Primary	02/18/03	Thorium-230	0.091 ± 0.10	Filtered		ES
RD-54A(Z2)	Primary	02/18/03	Thorium-232	-0.004 ± 0.016	Filtered		ES
RD-54A(Z2)	Primary	02/18/03	Uranium-233/234	7.13 ± 0.50	Filtered		ES
RD-54A(Z2)	Primary	02/18/03	Uranium-235	0.389 ± 0.12	Filtered		ES
RD-54A(Z2)	Primary	02/18/03	Uranium-238	6.18 ± 0.45	Filtered		ES
RD-54A(Z2)	Primary	11/03/04	Radium-226	0.687 J ± 0.32	Filtered		ES
RD-54A(Z2)	Primary	11/03/04	Radium-228	1.62 ± 0.29	Filtered		ES
RD-54A(Z2)	Primary	11/03/04	Thorium-228	0.016 U ± 0.026	Filtered		ES
RD-54A(Z2)	Primary	11/03/04	Thorium-230	-0.003 U ± 0.052	Filtered		ES
RD-54A(Z2)	Primary	11/03/04	Thorium-232	-0.003 U ± 0.013	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Radium-226	1.27 ± 0.55	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Radium-228	1.96 ± 0.33	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Thorium-228	0.010 U ± 0.02	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Thorium-230	0.129 ± 0.068	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Thorium-232	0.034 J ± 0.027	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Uranium-234	5.06 ± 0.38	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Uranium-235	0.172 J ± 0.053	Filtered		ES
RD-54A(Z2)	Primary	02/16/05	Uranium-238	4.12 ± 0.32	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	Radium-226	0.636 J ± 0.41	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	Radium-228	2.52 ± 0.35	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	Uranium-234	10.5 ± 0.70	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	Uranium-235	0.454 J ± 0.089	Filtered		ES
RD-54A(Z2)	Primary	08/31/05	Uranium-238	9.3 ± 0.63	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Radium-226	1.84 ± 0.61	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Radium-228	0.178 U ± 0.80	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Thorium-228	0.061 U ± 0.051	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Thorium-230	0.036 U ± 0.061	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Thorium-232	-0.010 U ± 0.010	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Uranium-233/234	10.6 ± 0.72	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Uranium-235	0.455 J ± 0.091	Filtered		ES
RD-54A(Z2)	Primary	02/16/06	Uranium-238	9.47 ± 0.66	Filtered		ES
RD-54A(Z2)	Primary	08/17/06	Radium-226	1.01 ± 0.61	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-54A(Z2)	Primary	08/17/06	Radium-228	1.16 ± 0.2	Filtered		ES
RD-54B	Primary	02/08/99	Thorium-228	<0.084	Filtered		TN
RD-54B	Primary	02/08/99	Thorium-230	-0.013 ± 0.050	Filtered		TN
RD-54B	Primary	02/08/99	Thorium-232	-0.006 ± 0.013	Filtered		TN
RD-54B	Primary	02/08/99	Uranium-233/234	0.062 ± 0.048	Filtered		TN
RD-54B	Primary	02/08/99	Uranium-235	0.012 ± 0.012	Filtered		TN
RD-54B	Primary	02/08/99	Uranium-238	0.048 ± 0.029	Filtered		TN
RD-54B	Primary	02/16/05	Radium-226	1.11 ± 0.36	Filtered		ES
RD-54B	Primary	02/16/05	Radium-228	2.86 ± 0.31	Filtered		ES
RD-54B	Primary	08/22/05	Radium-226	0.079 J ± 0.028	Filtered		ES
RD-54B	Primary	08/22/05	Radium-228	4.01 ± 0.39	Filtered		ES
RD-54B	Primary	02/20/06	Radium-226	1.71 ± 0.56	Filtered		ES
RD-54B	Primary	02/20/06	Radium-228	3.05 ± 0.31	Filtered		ES
RD-54B	Primary	08/23/06	Radium-226	2.21 ± 0.71	Filtered		ES
RD-54B	Primary	08/23/06	Radium-228	2.91 ± 0.27	Filtered		ES
RD-54C	Primary	02/09/99	Thorium-228	0.013 ± 0.038	Filtered		TN
RD-54C	Primary	02/09/99	Thorium-230	0.064 ± 0.064	Filtered		TN
RD-54C	Primary	02/09/99	Thorium-232	0.006 ± 0.013	Filtered		TN
RD-54C	Primary	02/09/99	Uranium-233/234	0 ± 0.036	Filtered		TN
RD-54C	Primary	02/09/99	Uranium-235	0.011 ± 0.022	Filtered		TN
RD-54C	Primary	02/09/99	Uranium-238	0.018 ± 0.018	Filtered		TN
RD-54C	Primary	11/05/04	Radium-226	0.986 J ± 0.37	Filtered		ES
RD-54C	Primary	11/05/04	Radium-228	1.57 ± 0.28	Filtered		ES
RD-54C	Primary	02/17/05	Radium-226	0.398 ± 0.29	Filtered		ES
RD-54C	Split	02/17/05	Radium-226	0.0999 J ± 0.0587	Filtered		STL
RD-54C	Primary	02/17/05	Radium-228	0.303 ± 0.25	Filtered		ES
RD-54C	Split	02/17/05	Radium-228	2.18 ± 0.549	Filtered		STL
RD-54C	Primary	08/22/05	Radium-226	0.013 U ± 0.018	Filtered		ES
RD-54C	Primary	08/22/05	Radium-228	1.30 ± 0.24	Filtered		ES
RD-54C	Primary	02/23/06	Radium-226	0.670 U ± 0.46	Filtered		ES
RD-54C	Primary	02/23/06	Radium-228	1.03 ± 0.24	Filtered		ES
RD-54C	Primary	08/10/06	Radium-226	0.585U ± 0.49	Filtered		ES
RD-54C	Primary	08/10/06	Radium-228	0.959J ± 0.29	Filtered		ES
RD-56A	Primary	05/10/94	Strontium-90	-0.08 ± 0.62	Filtered		LAS
RD-56A	Primary	05/10/94	Thorium-228	0.035 ± 0.059	Filtered		LAS
RD-56A	Primary	05/10/94	Thorium-230	0.005 ± 0.037	Filtered		LAS
RD-56A	Primary	05/10/94	Thorium-232	0.024 ± 0.022	Filtered		LAS
RD-56A	Primary	05/10/94	Uranium-233/234	2.61 ± 0.59	Filtered		LAS
RD-56A	Primary	05/10/94	Uranium-235	0.34 ± 0.21	Filtered		LAS
RD-56A	Primary	05/10/94	Uranium-238	2.08 ± 0.53	Filtered		LAS
RD-57	Primary	05/10/94	Strontium-90	-0.03 ± 0.7	Filtered		LAS
RD-57	Primary	05/10/94	Thorium-228	0.014 ± 0.062	Filtered		LAS
RD-57	Primary	05/10/94	Thorium-230	0.019 ± 0.04	Filtered		LAS
RD-57	Primary	05/10/94	Thorium-232	0.008 ± 0.016	Filtered		LAS
RD-57	Primary	05/10/94	Uranium-233/234	1.2 ± 0.33	Filtered		LAS
RD-57	Primary	05/10/94	Uranium-235	0.3 ± 0.16	Filtered		LAS
RD-57	Primary	05/10/94	Uranium-238	0.93 ± 0.29	Filtered		LAS
RD-57(Z7)	Primary	03/08/05	Radium-226	-0.083 U ± 0.34	Filtered		ES
RD-57(Z7)	Primary	03/08/05	Radium-228	1.05 ± 0.21	Filtered		ES
RD-57(Z7)	Primary	09/01/05	Radium-226	0.836 J ± 0.4	Filtered		ES
RD-57(Z7)	Primary	09/01/05	Radium-228	1.11 ± 0.23	Filtered		ES
RD-57(Z7)	Primary	02/20/06	Radium-226	0.803 U ± 0.57	Filtered		ES

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Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-57(Z7)	Primary	02/20/06	Radium-228	1.75 ± 0.28	Filtered		ES
RD-57(Z7)	Primary	08/18/06	Radium-226	0.71U ± 0.59	Filtered		ES
RD-57(Z7)	Primary	08/18/06	Radium-228	1.04 ± 0.22	Filtered		ES
RD-59A	Primary	08/16/94	Strontium-90	0.56 ± 0.68	Filtered		LAS
RD-59A	Primary	11/16/04	Radium-226	0.288 ± 0.23	Filtered		ES
RD-59A	Primary	11/16/04	Radium-228	0.211 ± 0.19	Filtered		ES
RD-59A	Primary	09/07/05	Radium-226	-0.025 U ± 0.37	Filtered		ES
RD-59A	Primary	09/07/05	Radium-228	0.443 U ± 0.22	Filtered		ES
RD-59A	Primary	08/23/06	Radium-226	0.349U ± 0.52	Filtered		ES
RD-59A	Primary	08/23/06	Radium-228	0.235U ± 0.18	Filtered		ES
RD-59B	Primary	08/16/94	Strontium-90	0.07 ± 0.70	Filtered		LAS
RD-59B	Primary	11/05/04	Radium-226	0.970 J ± 0.36	Filtered		ES
RD-59B	Primary	11/05/04	Radium-228	1.30 ± 0.29	Filtered		ES
RD-59B	Primary	09/07/05	Radium-226	0.611 U ± 0.43	Filtered		ES
RD-59B	Primary	09/07/05	Radium-228	1.32 ± 0.26	Filtered		ES
RD-59B	Primary	02/22/06	Radium-226	0.760 J ± 0.46	Filtered		ES
RD-59B	Primary	02/22/06	Radium-228	1.35 ± 0.22	Filtered		ES
RD-59B	Primary	08/23/06	Radium-226	0.753U ± 0.56	Filtered		ES
RD-59B	Primary	08/23/06	Radium-228	1.77 ± 0.28	Filtered		ES
RD-59C	Primary	08/16/94	Strontium-90	-0.33 ± 0.74	Filtered		LAS
RD-59C	Primary	11/05/04	Radium-226	0.279 U ± 0.27	Filtered		ES
RD-59C	Primary	11/05/04	Radium-228	1.18 ± 0.27	Filtered		ES
RD-59C	Primary	09/07/05	Radium-226	0.412 U ± 0.36	Filtered		ES
RD-59C	Primary	09/07/05	Radium-228	1.17 ± 0.23	Filtered		ES
RD-59C	Primary	02/22/06	Radium-226	0.196 U ± 0.40	Filtered		ES
RD-59C	Primary	02/22/06	Radium-226	0.619 J ± 0.234	Filtered		STL
RD-59C	Primary	02/22/06	Radium-228	1.17 ± 0.22	Filtered		ES
RD-59C	Primary	02/22/06	Radium-228	1.35 ± 0.382	Filtered		STL
RD-59C	Primary	08/23/06	Radium-226	0.103U ± 0.46	Filtered		ES
RD-59C	Primary	08/23/06	Radium-228	1.27 ± 0.21	Filtered		ES
RD-63	Primary	11/06/96	Uranium-233/234	3.66 ± 0.40	Filtered		LAS
RD-63	Primary	11/06/96	Uranium-235	0.207 ± 0.085	Filtered		LAS
RD-63	Primary	11/06/96	Uranium-238	2.92 ± 0.35	Filtered		LAS
RD-63	Primary	02/24/04	Radium-226	1.59 ± 0.14	Filtered		ES
RD-63	Primary	02/24/04	Radium-228	2.34 ± 0.24	Filtered		ES
RD-63	Primary	08/25/05	Radium-226	0.089 U ± 0.42	Filtered		ES
RD-63	Primary	08/25/05	Radium-228	3.66 ± 0.36	Filtered		ES
RD-63	Primary	02/16/06	Radium-226	3.22 ± 0.79	Filtered		ES
RD-63	Primary	02/16/06	Radium-228	2.80 ± 0.28	Filtered		ES
RD-63	Primary	08/09/06	Radium-226	1.79 ± 0.64	Filtered		ES
RD-63	Split	08/09/06	Radium-226	2.1 ± 0.48	Filtered		STL
RD-63	Primary	08/09/06	Radium-228	2.37 ± 0.29	Filtered		ES
RD-63	Split	08/09/06	Radium-228	3.78 ± 0.61	Filtered		STL
RD-64	Primary	05/10/01	Uranium-233/234	2.21 ± 0.20	Filtered		ES
RD-64	Primary	05/10/01	Uranium-235	0.116 ± 0.054	Filtered		ES
RD-64	Primary	05/10/01	Uranium-238	1.67 ± 0.17	Filtered		ES
RD-64	Primary	02/28/02	Uranium-233/234	2.87 ± 0.15	Filtered		DL
RD-64	Primary	02/28/02	Uranium-235	0 ± 1.00	Filtered		DL
RD-64	Primary	02/28/02	Uranium-238	1.70 ± 0.14	Filtered		DL
RD-64(Z6)	Primary	01/29/03	Uranium-233/234	2.43 ± 0.20	Filtered		ES
RD-64(Z6)	Primary	01/29/03	Uranium-235	0.096 ± 0.044	Filtered		ES
RD-64(Z6)	Primary	01/29/03	Uranium-238	2.04 ± 0.18	Filtered		ES

See last page of Table E-IV for notes and abbreviations.

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RESULTS OF ANALYSES FOR SPECIFIC ISOTOPES IN GROUNDWATER SAMPLES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
RD-64(Z6)	Primary	11/12/04	Radium-226	0.347 ± 0.26	Filtered		ES
RD-64(Z6)	Primary	11/12/04	Radium-228	1.68 ± 0.29	Filtered		ES
RD-64(Z6)	Primary	11/12/04	Uranium-233/234	2.46 ± 0.23	Filtered		ES
RD-64(Z6)	Primary	11/12/04	Uranium-235	0.087 J ± 0.038	Filtered		ES
RD-64(Z6)	Primary	11/12/04	Uranium-238	1.86 ± 0.19	Filtered		ES
RD-64(Z6)	Primary	02/14/05	Radium-226	1.50 ± 0.57	Filtered		ES
RD-64(Z6)	Primary	02/14/05	Radium-228	1.85 ± 0.30	Filtered		ES
RD-64(Z6)	Primary	02/14/05	Uranium-234	2.70 ± 0.24	Filtered		ES
RD-64(Z6)	Primary	02/14/05	Uranium-235	0.090 J ± 0.037	Filtered		ES
RD-64(Z6)	Primary	02/14/05	Uranium-238	1.80 ± 0.18	Filtered		ES
RD-64(Z6)	Primary	08/31/05	Radium-226	1.32 ± 0.52	Filtered		ES
RD-64(Z6)	Primary	08/31/05	Radium-228	1.84 ± 0.31	Filtered		ES
RD-64(Z6)	Primary	08/31/05	Uranium-234	3.39 ± 0.26	Filtered		ES
RD-64(Z6)	Primary	08/31/05	Uranium-235	0.121 J ± 0.040	Filtered		ES
RD-64(Z6)	Primary	08/31/05	Uranium-238	2.59 ± 0.21	Filtered		ES
RD-64(Z6)	Primary	02/16/06	Radium-226	1.54 ± 0.60	Filtered		ES
RD-64(Z6)	Primary	02/16/06	Radium-228	1.50 ± 0.20	Filtered		ES
RD-64(Z6)	Primary	02/16/06	Uranium-233/234	3.01 ± 0.26	Filtered		ES
RD-64(Z6)	Primary	02/16/06	Uranium-235	0.124 J ± 0.046	Filtered		ES
RD-64(Z6)	Primary	02/16/06	Uranium-238	2.31 ± 0.21	Filtered		ES
RD-64(Z6)	Primary	08/17/06	Radium-226	1.42 ± 0.65	Filtered		ES
RD-64(Z6)	Primary	08/17/06	Radium-228	1.46 ± 0.24	Filtered		ES
RD-64(Z6)	Primary	08/17/06	Uranium-234	3.57 ± 0.29	Filtered		ES
RD-64(Z6)	Primary	08/17/06	Uranium-235	0.149J ± 0.051	Filtered		ES
RD-64(Z6)	Primary	08/17/06	Uranium-238	2.79 ± 0.24	Filtered		ES
RD-75	Primary	08/30/05	Radium-226	0.789 J ± 0.37	Filtered		ES
RD-75	Primary	08/30/05	Radium-228	2.69 ± 0.42	Filtered		ES
RD-88	Primary	08/25/05	Radium-226	0.314 U ± 0.4	Filtered		ES
RD-88	Primary	08/25/05	Radium-228	0.067 U ± 0.28	Filtered		ES
RD-90	Primary	08/25/05	Radium-226	0.148 U ± 0.41	Filtered		ES
RD-90	Primary	08/25/05	Radium-228	0.242 U ± 0.94	Filtered		ES
RD-90	Primary	08/25/05	Uranium-234	13.9 ± 0.93	Filtered		ES
RD-90	Primary	08/25/05	Uranium-235	0.649 J ± 0.12	Filtered		ES
RD-90	Primary	08/25/05	Uranium-238	12.3 ± 0.83	Filtered		ES
RD-94	Primary	08/25/05	Radium-226	0.71 J ± 0.45	Filtered		ES
RD-94	Primary	08/25/05	Radium-228	0.025 U ± 0.42	Filtered		ES
RD-96	Primary	05/09/06	Radium-226	1.46 ± 0.70	Unfiltered		ES
RD-96	Primary	05/09/06	Radium-228	1.56 ± 0.28	Unfiltered		ES
RD-96	Primary	05/09/06	Uranium-233/234	6.24 ± 0.45	Unfiltered		ES
RD-96	Primary	05/09/06	Uranium-235	0.356 J ± 0.074	Unfiltered		ES
RD-96	Primary	05/09/06	Uranium-238	6.07 ± 0.44	Unfiltered		ES
RD-97	Primary	05/09/06	Radium-226	1.11 ± 0.64	Filtered		ES
RD-97	Primary	05/09/06	Radium-228	2.55 ± 0.40	Filtered		ES
RD-97	Primary	05/09/06	Radium-226	3.46 ± 0.89	Unfiltered		ES
RD-97	Primary	05/09/06	Radium-228	5.16 ± 0.36	Unfiltered		ES
RD-97	Primary	05/09/06	Uranium-233/234	7.16 ± 0.50	Unfiltered		ES
RD-97	Primary	05/09/06	Uranium-235	0.429 J ± 0.082	Unfiltered		ES
RD-97	Primary	05/09/06	Uranium-238	6.35 ± 0.46	Unfiltered		ES
WS-04A	Primary	03/18/93	Radium-226	<0.6	Filtered		CEP
WS-04A	Primary	03/18/93	Radium-228	<1	Filtered		CEP
WS-04A	Primary	06/10/93	Radium-226	2.3 ± 1.0	Filtered		CEP
WS-04A	Primary	08/23/93	Radium-226	<0.6	Filtered		CEP

See last page of Table E-IV for notes and abbreviations.

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 RESULTS OF ANALYSES FOR SPECIFIC ISOTOPES IN GROUNDWATER SAMPLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
WS-04A	Primary	11/04/93	Radium-226	0.79 ± 0.25	Filtered		LAS
WS-13	Primary	11/01/89	Uranium-234	2.01 ± 0.226	Filtered		UST
WS-13	Primary	11/01/89	Uranium-235	0.0697 ± 0.0243	Filtered		UST
WS-13	Primary	11/01/89	Uranium-238	1.31 ± 0.159	Filtered		UST
WS-13	Primary	11/01/89	Radium-226	0.487 ± 0.143	Unfiltered		UST
WS-13	Primary	11/01/89	Radium-226	0.484 ± 0.152	Filtered		UST
WS-13	Primary	11/01/89	Radium-228	0.879 ± 0.479	Unfiltered		UST
WS-13	Primary	11/01/89	Radium-228	0.859 ± 0.531	Filtered		UST
WS-13	Dup	11/01/89	Polonium-210	0.0533 ± 0.0250	Unfiltered		UST
WS-13	Dup	11/01/89	Polonium-210	0.0103 ± 0.0135	Filtered		UST
WS-13	Dup	11/01/89	Thorium-228	0.0390 ± 0.0319	Unfiltered		UST
WS-13	Dup	11/01/89	Thorium-228	0.0906 ± 0.0387	Filtered		UST
WS-13	Dup	11/01/89	Thorium-230	0.00562 ± 0.00840	Unfiltered		UST
WS-13	Dup	11/01/89	Thorium-230	0.0163 ± 0.0110	Filtered		UST
WS-13	Dup	11/01/89	Thorium-232	0.0262 ± 0.0152	Unfiltered		UST
WS-13	Dup	11/01/89	Thorium-232	0.0507 ± 0.0204	Filtered		UST
HAR-07	Primary	03/15/93	Radium-226	<0.6	Filtered		CEP
HAR-07	Primary	03/15/93	Radium-228	<1	Filtered		CEP
HAR-07	Primary	06/09/93	Radium-226	9.0 ± 3.5	Filtered		CEP
HAR-07	Reanalysis	06/09/93	Radium-226	<0.6	Filtered		CEP
HAR-07	Reanalysis	06/09/93	Radium-228	2 ± 1	Filtered		CEP
HAR-07	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
HAR-07	Primary	11/04/93	Radium-226	0.33 ± 0.15	Filtered		LAS
HAR-16	Primary	03/15/93	Radium-226	<0.6	Filtered		CEP
HAR-16	Primary	03/15/93	Radium-228	<1	Filtered		CEP
HAR-16	Primary	06/09/93	Radium-226	<0.6	Filtered		CEP
HAR-16	Primary	08/09/93	Radium-226	461 ± 500	Filtered		CEP
HAR-16	Primary	08/09/93	Radium-228	<1	Filtered		CEP
HAR-16	Reanalysis	08/09/93	Radium-226	<0.6	Filtered		CEP
HAR-16	Primary	11/22/93	Radium-226	0.25 ± 0.16	Filtered		LAS
HAR-16	Primary	02/04/94	Radium-226	0.15 ± 0.17	Filtered		LAS
HAR-17	Primary	03/17/93	Radium-226	<0.6	Filtered		CEP
HAR-17	Primary	03/17/93	Radium-228	<1	Filtered		CEP
HAR-17	Primary	06/09/93	Radium-226	3.3 ± 1.4	Filtered		CEP
HAR-17	Primary	08/09/93	Radium-226	<0.6	Filtered		CEP
HAR-17	Primary	11/08/93	Radium-226	0.00 ± 0.10	Filtered		LAS
HAR-18	Primary	05/08/94	Uranium-233/234	12.1 ± 1.4	Filtered		LAS
HAR-18	Primary	05/08/94	Uranium-235	0.55 ± 0.27	Filtered		LAS
HAR-18	Primary	05/08/94	Uranium-238	11.6 ± 1.3	Filtered		LAS
Off-site Wells and Springs							
OS-01	Primary	08/15/94	Strontium-90	-0.33 ± 0.75	Filtered		LAS
OS-02	Primary	08/15/94	Strontium-90	-0.13 ± 0.59	Filtered		LAS
OS-03	Primary	08/15/94	Strontium-90	-0.17 ± 0.63	Filtered		LAS
OS-04	Primary	08/15/94	Strontium-90	0.18 ± 0.74	Filtered		LAS
OS-08	Primary	08/15/94	Strontium-90	0.39 ± 0.67	Filtered		LAS
OS-09R	Primary	01/26/04	Thorium-228	-0.004 U ± -0.008	Filtered		ES
OS-09R	Primary	01/26/04	Thorium-230	-0.012 U ± -0.054	Filtered		ES
OS-09R	Primary	01/26/04	Thorium-232	-0.008 U ± -0.015	Filtered		ES
OS-10	Primary	08/05/94	Strontium-90	-0.48 ± 0.65	Filtered		LAS
OS-16	Primary	11/01/89	Uranium-234	2.42 ± 0.275	Filtered		UST
OS-16	Primary	11/01/89	Uranium-235	0.0840 ± 0.0292	Filtered		UST
OS-16	Primary	11/01/89	Uranium-238	2.03 ± 0.237	Filtered		UST

See last page of Table E-IV for notes and abbreviations.

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RESULTS OF ANALYSES FOR SPECIFIC ISOTOPES IN GROUNDWATER SAMPLES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (picocuries per liter)	Sample Handling	Sample Comment	Laboratory
OS-16	Primary	11/01/89	Radium-226	1.07 ± 0.239	Unfiltered		UST
OS-16	Primary	11/01/89	Radium-226	0.968 ± 0.227	Filtered		UST
OS-16	Primary	11/01/89	Radium-228	1.94 ± 0.767	Unfiltered		UST
OS-16	Primary	11/01/89	Radium-228	1.50 ± 0.723	Filtered		UST
OS-16	Primary	11/01/89	Polonium-210	0.0357 ± 0.0209	Unfiltered		UST
OS-16	Primary	11/01/89	Polonium-210	0.0265 ± 0.0216	Filtered		UST
OS-16	Primary	11/01/89	Thorium-228	0.109 ± 0.0410	Unfiltered		UST
OS-16	Primary	11/01/89	Thorium-228	0.0319 ± 0.0352	Filtered		UST
OS-16	Primary	11/01/89	Thorium-230	0.00534 ± 0.00618	Unfiltered		UST
OS-16	Primary	11/01/89	Thorium-230	0.00942 ± 0.00947	Filtered		UST
OS-16	Primary	11/01/89	Thorium-232	0.0889 ± 0.0265	Unfiltered		UST
OS-16	Primary	11/01/89	Thorium-232	0.00 ± 0.00707	Filtered		UST
OS-16	Dup	11/01/89	Uranium-234	2.48 ± 0.277	Filtered		UST
OS-16	Dup	11/01/89	Uranium-235	0.0541 ± 0.0227	Filtered		UST
OS-16	Dup	11/01/89	Uranium-238	1.99 ± 0.250	Filtered		UST
OS-16	Dup	11/01/89	Radium-226	0.993 ± 0.223	Unfiltered		UST
OS-16	Dup	11/01/89	Radium-226	1.09 ± 0.230	Filtered		UST
OS-16	Dup	11/01/89	Radium-228	1.84 ± 0.644	Unfiltered		UST
OS-16	Dup	11/01/89	Radium-228	1.62 ± 0.587	Filtered		UST
OS-16	Dup	11/01/89	Thorium-228	0.0456 ± 0.0274	Unfiltered		UST
OS-16	Dup	11/01/89	Thorium-228	0.0250 ± 0.0297	Filtered		UST
OS-16	Dup	11/01/89	Thorium-230	0.00175 ± 0.00350	Unfiltered		UST
OS-16	Dup	11/01/89	Thorium-230	0.00369 ± 0.00739	Filtered		UST
OS-16	Dup	11/01/89	Thorium-232	0.00 ± 0.00525	Unfiltered		UST
OS-16	Dup	11/01/89	Thorium-232	0.00 ± 0.00554	Filtered		UST
OS-21	Primary	11/01/89	Uranium-234	1.54 ± 0.185	Filtered		UST
OS-21	Primary	11/01/89	Uranium-235	0.0306 ± 0.0163	Filtered		UST
OS-21	Primary	11/01/89	Uranium-238	1.06 ± 0.137	Filtered		UST
OS-21	Primary	11/01/89	Radium-226	0.778 ± 0.196	Unfiltered		UST
OS-21	Primary	11/01/89	Radium-226	0.756 ± 0.189	Filtered		UST
OS-21	Primary	11/01/89	Radium-228	1.46 ± 0.597	Unfiltered		UST
OS-21	Primary	11/01/89	Radium-228	1.95 ± 0.704	Filtered		UST
OS-21	Primary	11/01/89	Thorium-228	0.00 ± 0.0355	Unfiltered		UST
OS-21	Primary	11/01/89	Thorium-228	0.149 ± 0.0468	Filtered		UST
OS-21	Primary	11/01/89	Thorium-230	0.00359 ± 0.00509	Unfiltered		UST
OS-21	Primary	11/01/89	Thorium-230	0.0795 ± 0.0265	Filtered		UST
OS-21	Primary	11/01/89	Thorium-232	0.00 ± 0.00539	Unfiltered		UST
OS-21	Primary	11/01/89	Thorium-232	0.0659 ± 0.0247	Filtered		UST

See last page of Table E-IV for notes and abbreviations.

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TABLE E-IV
NOTES AND ABBREVIATIONS

CEP	=	Controls for Environmental Pollution, Inc., Santa Fe, New Mexico.
DL	=	Davi Laboratories, Pinole, California.
ES	=	Eberline Services (formerly Thermo Retec), Richmond, California.
IT	=	International Technologies, Inc. (formerly UST), Richland, Washington.
LAS	=	LAS Laboratories, Inc. (formerly Lockheed Martin), Las Vegas, Nevada.
STL	=	Severn Trent Laboratories, Richland, Washington.
TN	=	Thermo NUtech, Richmond, California.
TR	=	Thermo Retec (formerly Thermo NUtech), Richmond, California.
UST	=	United States Testing Laboratory, Richland, Washington.
B	=	Radionuclide detected in associated method blank.
J	=	Result is less than contract-required minimum detectable activity (MDA) and greater than or equal to the MDA.
U	=	The result is less than the MDA (Minimum Detectable Activity).
Z	=	FLUTe port sample number.
(<)	=	Less than; numerical value represents detection limit for that analysis.
pCi/l	=	PicoCuries per liter.
Radon-222	=	EPA Method 903.1.
Radium-226	=	EPA method 903.1 for Alpha Emitting Radium Isotopes.
Radium-228	=	EPA method 904.0 for Radium-228.

Isotopic thorium analyzed according to EPA method 907.0 or LAL-0108, LAS in-house procedure.

Isotopic uranium analyzed according to EPA method 908.0, ASTM method D3972-82, EPA method 907.0 or LAL-0108, LAS in-house procedure.

Isotopic radium analyzed according to EPA method 903.

NOTE: Results are presented as the activity plus or minus error. Any activity detected is reported by the laboratory, though the reported activity may be less than the overall laboratory error. Analytical results that are less than the instrument background count are shown as negative values.

Edits were made in January 2007. Changes are summarized in Table E-V.

TABLE E-V
RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Corrections to Table E-I						
Well Identification	Sample Type	Date Sampled	Gross Alpha (pCi/l)	Gross Beta (pCi/l)	Sample Handling	Corrections
SH-04	Primary	09/09/89	8.0 ± 4.4	10.0 ± 1.3	Unfiltered	New comment: Results confirmed in January 2007.
SH-04	Primary	09/09/89	22.0 ± 5.4	13.0 ± 1.3	Filtered	New comment: Results confirmed in January 2007.
RS-08	Primary	11/08/93	24 R ± 10	9.1 R ± 6.7	Filtered	New comment: Rejected.
RS-08	Reanalysis of Primary	11/08/93	19 ± 10	15.1 ± 9.9	Filtered	Sample type from Primary to Reanalysis of Primary.
RS-18	Reanalysis of Split	09/10/92	78 ± 24	50 ± 10	Filtered	Sample type from Reanalysis of Primary to Reanalysis of Split.
HAR-15	Reanalysis of Primary	03/16/93	8 ± 5	38 ± 8	Filtered	Sample type from Primary to Reanalysis of Primary.
HAR-15	Primary	06/08/93	54 ± 11	66 ± 10	Filtered	New comment: Correspondence suggests that sample may be unfiltered.
HAR-15	Primary	11/04/93	70 R ± 16	34.9 R ± 8.6	Filtered	New comment: Rejected.
HAR-30	Split	07/22/89	5 ± 2	3 ± 4	Unfiltered	Sample type from Primary to Split.
RD-07(Z4)	Primary	08/25/04	3.04 ± 2.0	8.63 ± 3.0	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	3.03 ± 2.1	8.02 ± 2.6	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	4.22 ± 2.5	7.83 ± 2.8	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	3.36 ± 2.0	7.90 ± 2.5	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	2.80 J ± 1.8	6.13 ± 2.1	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	3.14 ± 1.8	5.91 ± 2.1	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	3.01 ± 1.8	10.9 ± 3.0	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	3.11 ± 1.9	7.64 ± 2.4	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-25	Primary	09/19/89	3.4 ± 2.3	1.6 ± 1.1	Unfiltered	Date changed from 9/12/89 to 9/19/89.
RD-25	Primary	09/19/89	10.4 ± 2.4	3.7 ± 1.2	Filtered	Date changed from 9/12/89 to 9/19/89.
RD-29	Primary	08/09/04	10.9 ± 4.8	9.62 ± 4.4	Filtered	Date changed from 8/10/04 to 8/9/04.
RD-33B	Primary	11/04/04	1.02 U ± 1.5	5.46 ± 2.4	Filtered	Beta result changed from 5.6 to 5.46.
RD-34A	Reanalysis of Split	09/13/92	21 ± 14	28 ± 8	Filtered	Sample type from Reanalysis of Primary to Reanalysis of Split.
RD-34A	Reanalysis of Split	12/05/92	16 ± 11	21 ± 7	Filtered	Sample type from Reanalysis of Primary to Reanalysis of Split.
RD-63 Effluent	Primary	10/06/94	4.7 ± 4.1	9.4 ± 4.1	Filtered	Well ID changed from RD-63 to RD-63 Effluent.
WS-09	Split	07/19/89	10 ± 3	7 ± 5	Unfiltered	Dropped from annual report in past, reintroduced.

NOTES:

- The outlined corrections were made to Appendix E tables in January 2007.
- See referenced table for explanation of abbreviations.
- Bold indicates result value corrections.

TABLE E-V
 RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Corrections to Table E-II

Well Identifier	Sample Type	Date Sampled	Analyte	Tritium Concentration (pCi/l)	Sample Handling	Corrections
RD-07(Z4)	Primary	08/25/04	Tritium	-65.3 U ± 100	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Tritium	-82.0 U ± 97	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Tritium	-44.7 U ± 99	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Tritium	22.0 U ± 100	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z8)	Primary	08/25/04	Tritium	-88.0 U ± 98	Unfiltered	Date changed from 8/9/04 to 8/25/04.
RD-07(Z9)	Primary	08/25/04	Tritium	-14.8 U ± 100	Unfiltered	Date changed from 8/9/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Tritium	-86.0 U ± 100	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Tritium	-79.4 U ± 98	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Tritium	-41.8 U ± 100	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Tritium	-35.4 U ± 100	Unfiltered	Date changed from 8/27/04 to 8/25/04.
RD-28	Split	09/16/92	Tritium	450 ± 290	Unfiltered	Sample type from Primary to Split.
RD-28	Primary	02/25/02	Tritium	324 ± 63	Unfiltered	Result changed from 484 ± 36.
RD-33A(Z2)	Primary	11/15/04	Tritium	-56.6 U ± 130	Unfiltered	Well ID changed from RD-33A to RD-33A(Z2).
RD-63 Effluent	Primary	10/06/94	Tritium	60 ± 150	Unfiltered	Well ID changed from RD-63 to RD-63 Effluent.
RD-64(Z6)	Primary	11/12/04	Tritium	17.7 U ± 130	Unfiltered	Result changed from negative to positive value.

- NOTES:
- The outlined corrections were made to Appendix E tables in January 2007.
 - See referenced table for explanation of abbreviations.
 - Bold indicates result value corrections.

TABLE E-V
 RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Corrections to Table E-III						
Well Identifier	Sample Type	Date Sampled	Radionuclide(s) Detected	Radionuclide(s) Detected	Sample Handling	Corrections
RD-07(Z4)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Manmade isotopes	ND	Filtered	Date changed from 8/27/04 to 8/25/04.

NOTES:

- The outlined corrections were made to Appendix E tables in January 2007.
- See referenced table for explanation of abbreviations.

TABLE E-V
 RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Corrections to Table E-IV						
Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (pCi/l)	Sample Handling	Corrections
RD-07(Z4)	Primary	08/25/04	Radium-226	0.259 J ± 0.039	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z4)	Primary	08/25/04	Radium-228	0.539 U ± 0.24	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z4)	Primary	08/25/04	Thorium-228	0.021 U ± 0.028	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z4)	Primary	08/25/04	Thorium-230	-0.014 U ± 0.056	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z4)	Primary	08/25/04	Thorium-232	-0.011 U ± 0.014	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Radium-226	0.169 J ± 0.033	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Radium-228	0.493 U ± 0.27	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Thorium-228	0.008 U ± 0.024	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Thorium-230	0.083 U ± 0.071	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z5)	Primary	08/25/04	Thorium-232	-0.004 U ± 0.016	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Radium-226	0.729 J ± 0.069	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Radium-228	1.36 ± 0.33	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Thorium-228	0 U ± 0.021	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Thorium-230	-0.014 U ± 0.055	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z6)	Primary	08/25/04	Thorium-232	-0.010 U ± 0.014	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Radium-226	0.302 J ± 0.046	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Radium-228	0.772 J ± 0.35	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Thorium-228	0.004 U ± 0.030	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Thorium-230	0.007 U ± 0.052	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z7)	Primary	08/25/04	Thorium-232	-0.011 U ± 0.015	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z8)	Primary	08/25/04	Thorium-232	-0.008 U ± 0.015	Filtered	Changed result value from positive to negative value.
RD-07(Z10)	Primary	08/25/04	Radium-226	0.297 J ± 0.043	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Radium-228	0.870 J ± 0.24	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Thorium-228	0.015 U ± 0.024	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Thorium-230	0.029 U ± 0.059	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z10)	Primary	08/25/04	Thorium-232	0.006 U ± 0.012	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Radium-226	0.298 J ± 0.044	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Radium-228	0.861 J ± 0.29	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Thorium-228	0.009 U ± 0.023	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Thorium-230	-0.005 U ± 0.047	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z11)	Primary	08/25/04	Thorium-232	0.005 U ± 0.014	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Radium-226	0.323 J ± 0.045	Filtered	Date changed from 8/27/04 to 8/25/04.

TABLE E-V
RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Corrections to Table E-IV cont'd

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (pCi/l)	Sample Handling	Corrections
RD-07(Z12)	Primary	08/25/04	Radium-228	0.847 J ± 0.28	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Thorium-228	0.030 U ± 0.033	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Thorium-230	-0.003 U ± 0.053	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z12)	Primary	08/25/04	Thorium-232	-0.003 U ± 0.013	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Radium-226	0.344 J ± 0.047	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Radium-228	0.835 J ± 0.27	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Thorium-228	0.045 J ± 0.034	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Thorium-230	-0.017 U ± 0.055	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-07(Z13)	Primary	08/25/04	Thorium-232	0.007 U ± 0.021	Filtered	Date changed from 8/27/04 to 8/25/04.
RD-33A(Z2)	Primary	11/15/04	Radium-226	0.247 ± 0.26	Filtered	Port changed from Z4 to Z2.
RD-64(Z6)	Primary	11/12/04	Uranium-233/234	2.46 ± 0.23	Filtered	Result changed from 0.016 to 2.46.
RD-64(Z6)	Primary	11/12/04	Uranium-235	0.087 J ± 0.038	Filtered	Result changed from 0.016 to 0.087.
RD-64(Z6)	Primary	11/12/04	Uranium-238	1.86 ± 0.19	Filtered	Result changed from 0.016 to 0.19.
WS-13	Dup	11/01/89	Polonium-210	0.0533 ± 0.0250	Unfiltered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Polonium-210	0.0103 ± 0.0135	Filtered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-228	0.0390 ± 0.0319	Unfiltered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-228	0.0906 ± 0.0387	Filtered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-230	0.00562 ± 0.00840	Unfiltered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-230	0.0163 ± 0.0110	Filtered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-232	0.0262 ± 0.0152	Unfiltered	Sample type from Primary to Duplicate.
WS-13	Dup	11/01/89	Thorium-232	0.0507 ± 0.0204	Filtered	Sample type from Primary to Duplicate.
OS-16	Primary	11/01/89	Radium-226	1.07 ± 0.239	Unfiltered	Isotope name changed from Uranium-238 to Radium-226. Isotope names transposed in 1993 annual report.
OS-16	Primary	11/01/89	Radium-228	1.94 ± 0.767	Unfiltered	Isotope name changed from Radium-226 to Radium-228. Isotope names transposed in 1993 annual report.
OS-16	Primary	11/01/89	Polonium-210	0.0357 ± 0.0209	Unfiltered	Isotope name changed from Radium-228 to Polonium-210. Isotope names transposed in 1993 annual report.
OS-16	Primary	11/01/89	Thorium-228	0.109 ± 0.0410	Unfiltered	Isotope name changed from Polonium-210 to Thorium-228. Isotope names transposed in 1993 annual report.

TABLE E-V
 RECENT CORRECTIONS TO RADIOCHEMISTRY APPENDIX E TABLES
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Corrections to Table E-IV cont'd

Well Identifier	Sample Type	Date Sampled	Isotope	Concentration (pCi/l)	Sample Handling	Corrections
OS-16	Primary	11/01/89	Thorium-230	0.00534 ± 0.00618	Unfiltered	Isotope name changed from Thorium-228 to Thorium-230. Isotope names transposed in 1993 annual report.
OS-16	Primary	11/01/89	Thorium-232	0.0889 ± 0.0265	Unfiltered	Isotope name changed from Thorium-230 to Thorium-232. Isotope names transposed in 1993 annual report.

NOTES:

- The outlined corrections were made to Appendix E tables in January 2007.
- See referenced table for explanation of abbreviations.
- Bold indicates result value corrections.

APPENDIX F

Constituents of Concern and Perchlorate Concentration versus Time Plots

APPENDIX F

CONSTITUENTS OF CONCERN AND PERCHLORATE CONCENTRATION VERSUS TIME PLOTS

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Fluoride	F-188	through	F-203
Methylene chloride	F-204	through	F-220
Nitrate as NO ₃	F-221	through	F-236
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APPENDIX F

CONSTITUENTS OF CONCERN AND PERCHLORATE CONCENTRATION VERSUS TIME PLOTS

Concentration versus time plots presented in this Appendix include results from 1997 to present for the principal constituents of concern and perchlorate at permitted wells. Plots for select constituents (1,3-dinitrobenzene, 2-butanone, acetone, ammonia, formaldehyde, trichlorofluoromethane, trichlorotrifluoroethane, m- and p-xylenes, and o-xylene) are not presented. Tabulated summaries of constituent of concern analytical results are presented for 2006 in this report, for 2000, 2001, 2002, 2003, 2004, and 2005 in Haley & Aldrich (2001, 2002a, 2002b, 2003a, 2003b, 2004, 2005a, 2006a), and for samples collected through 1999 in Groundwater Resources Consultants (2000). Results that have been identified as laboratory, field, or equipment contaminants were not included in the plots.

FIGURE F-1. 1,1,1-TCA in STL-IV AREA SHALLOW WELLS

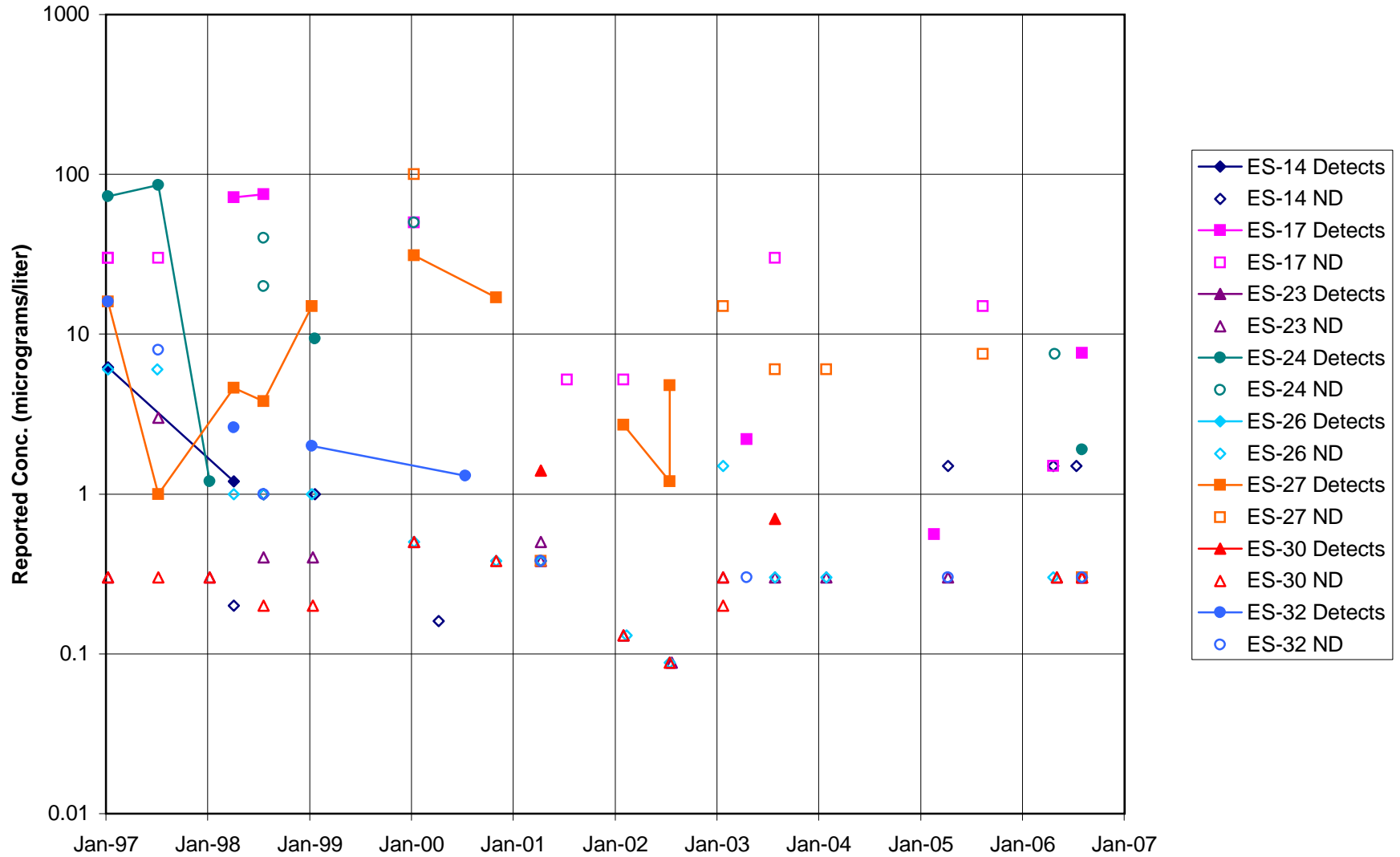


FIGURE F-2. 1,1,1-TCA in STL-IV AREA CHATSWORTH FORMATION WELLS

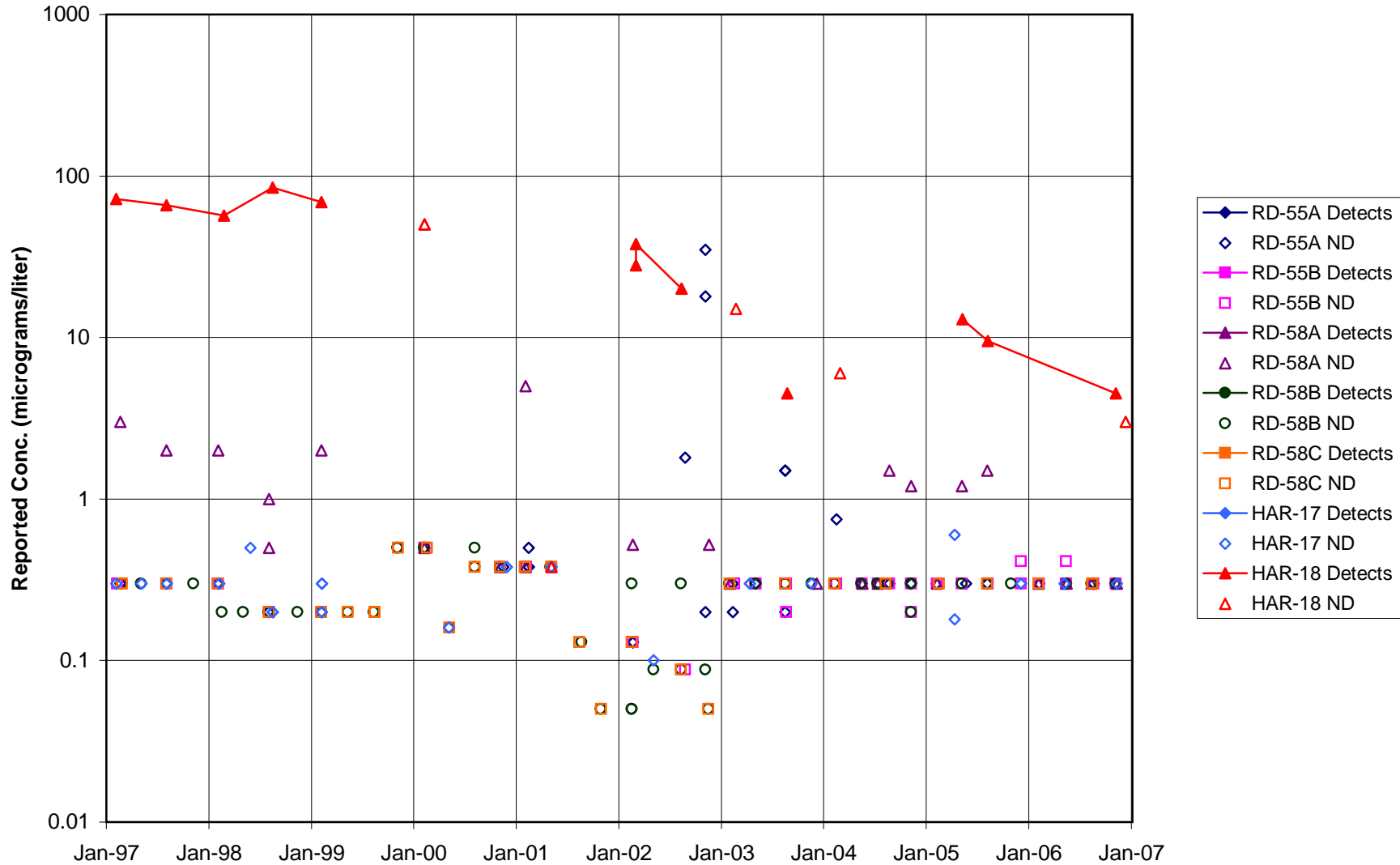


FIGURE F-3. 1,1,1-TCA in MAIN GATE AREA WELLS - 1

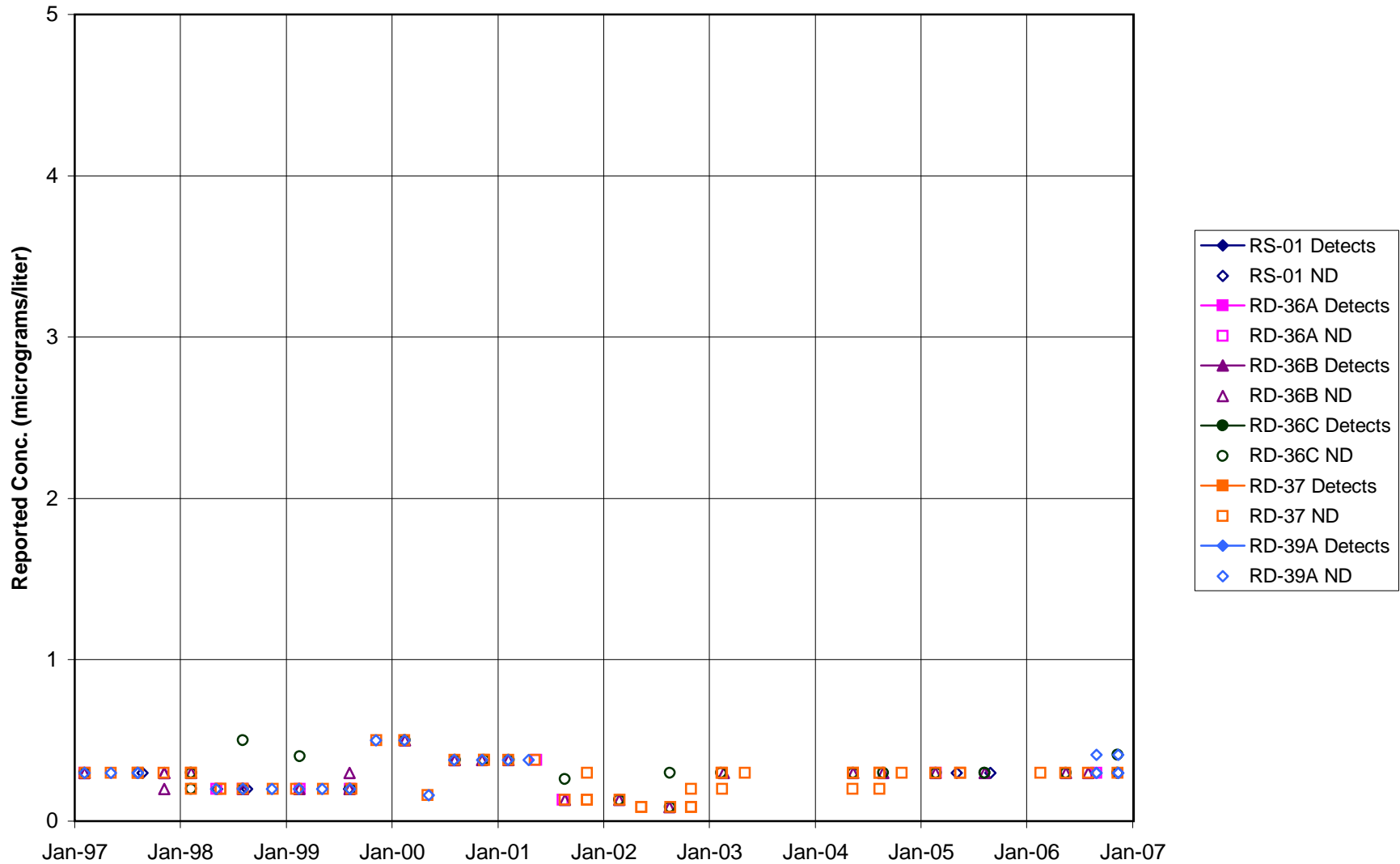


FIGURE F-4. 1,1,1-TCA in MAIN GATE AREA WELLS - 2

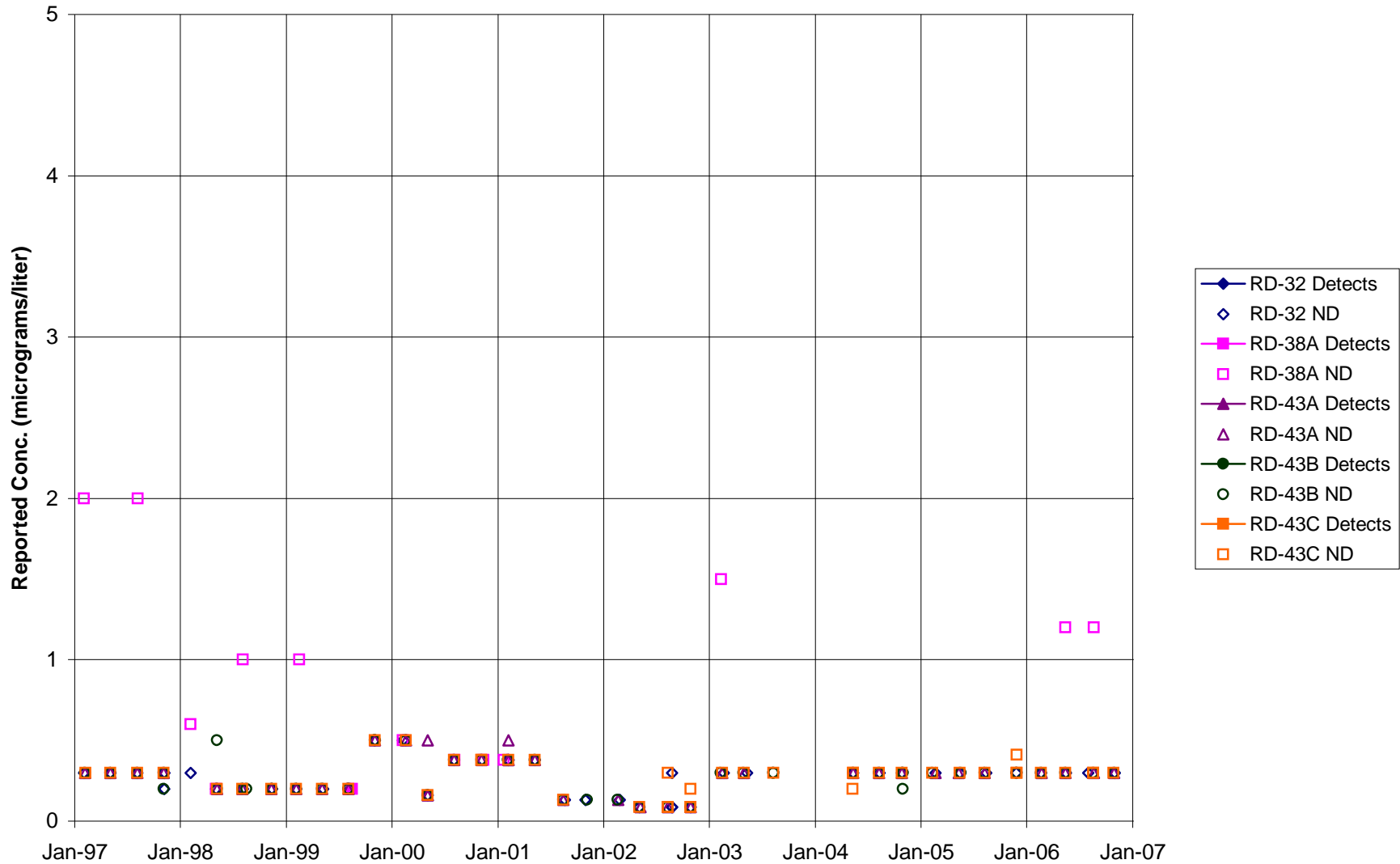


FIGURE F-5. 1,1,1-TCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

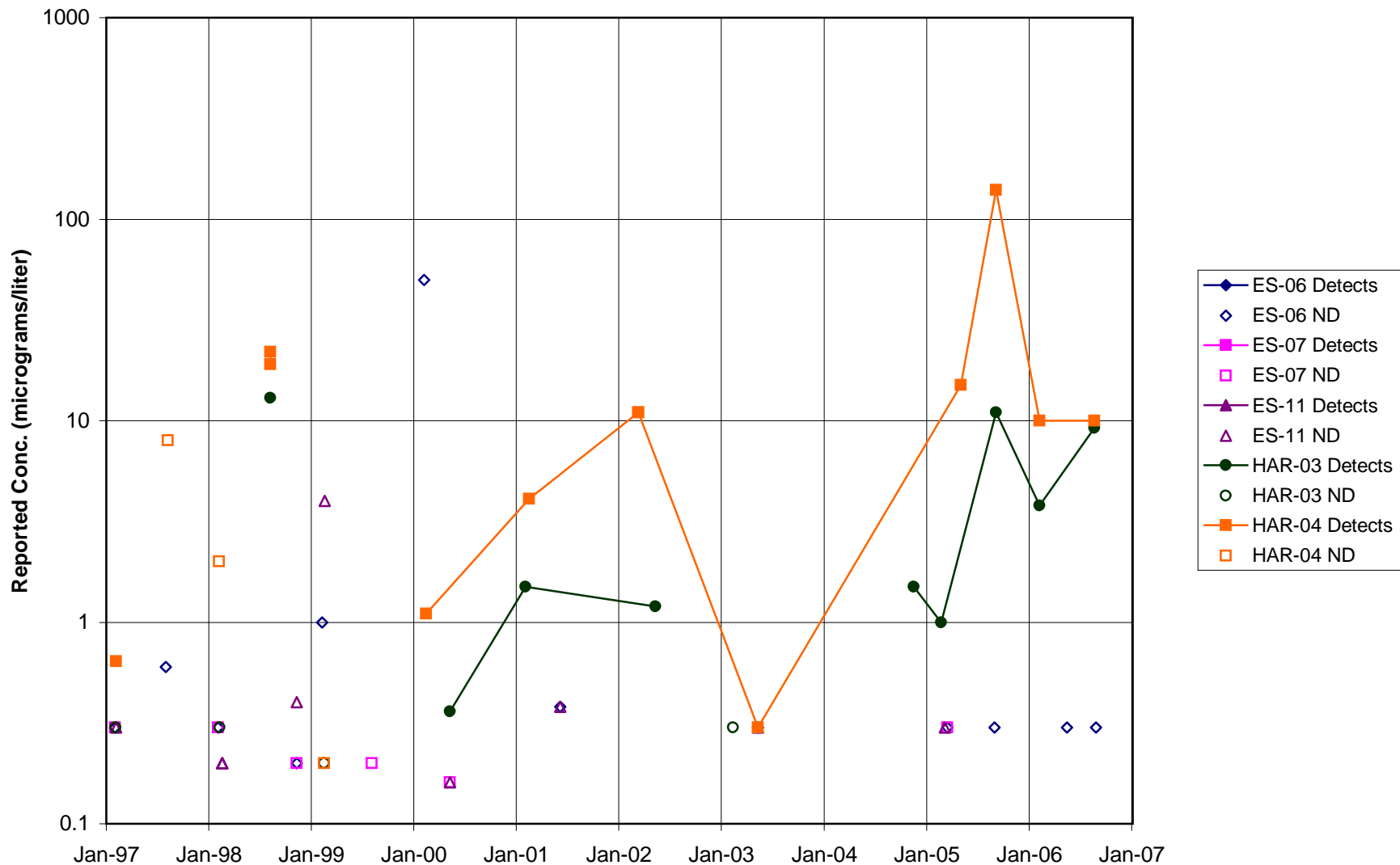


FIGURE F-6. 1,1,1-TCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

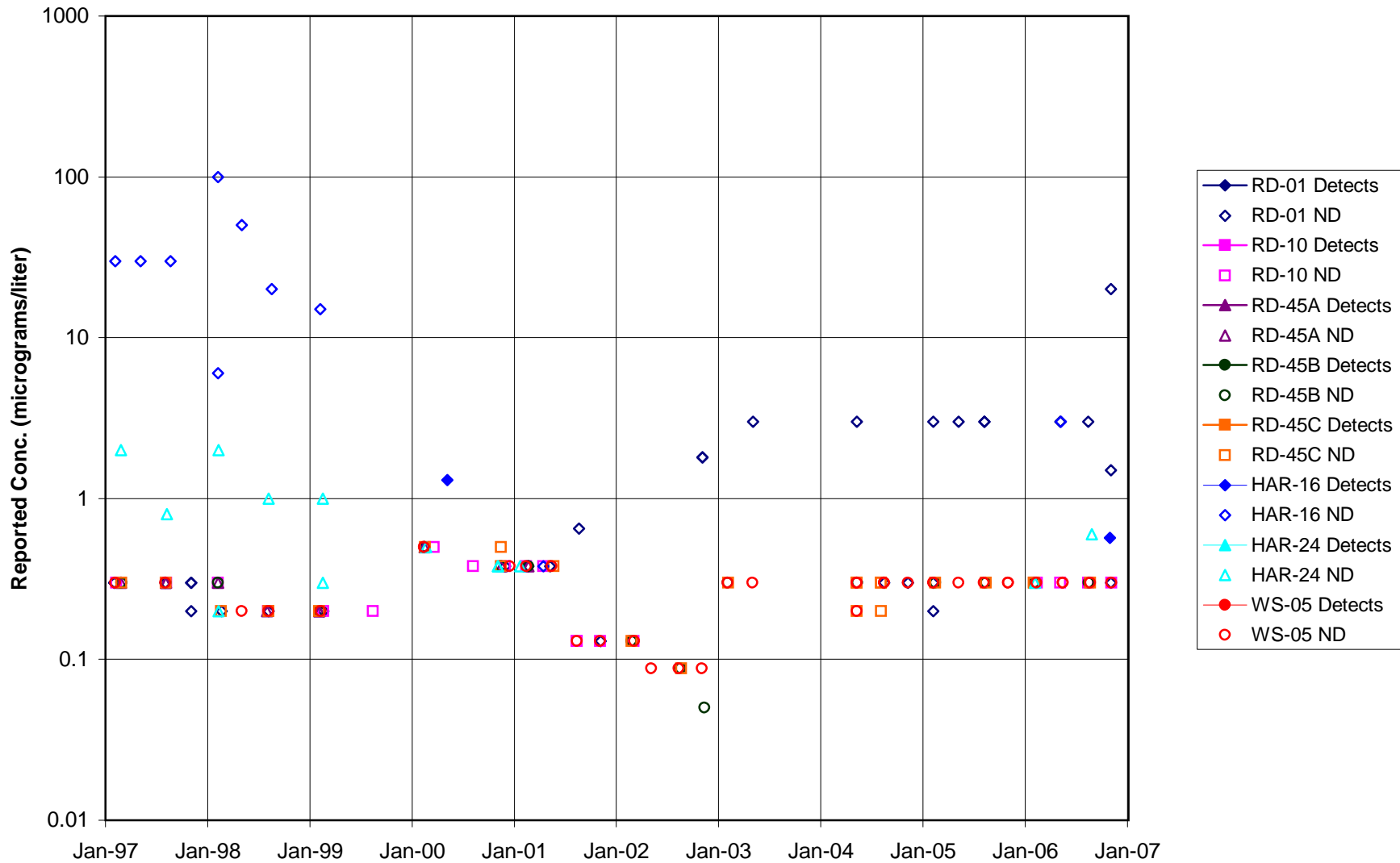


FIGURE F-7. 1,1,1-TCA in CTL-III / PERIMETER POND AREA WELLS

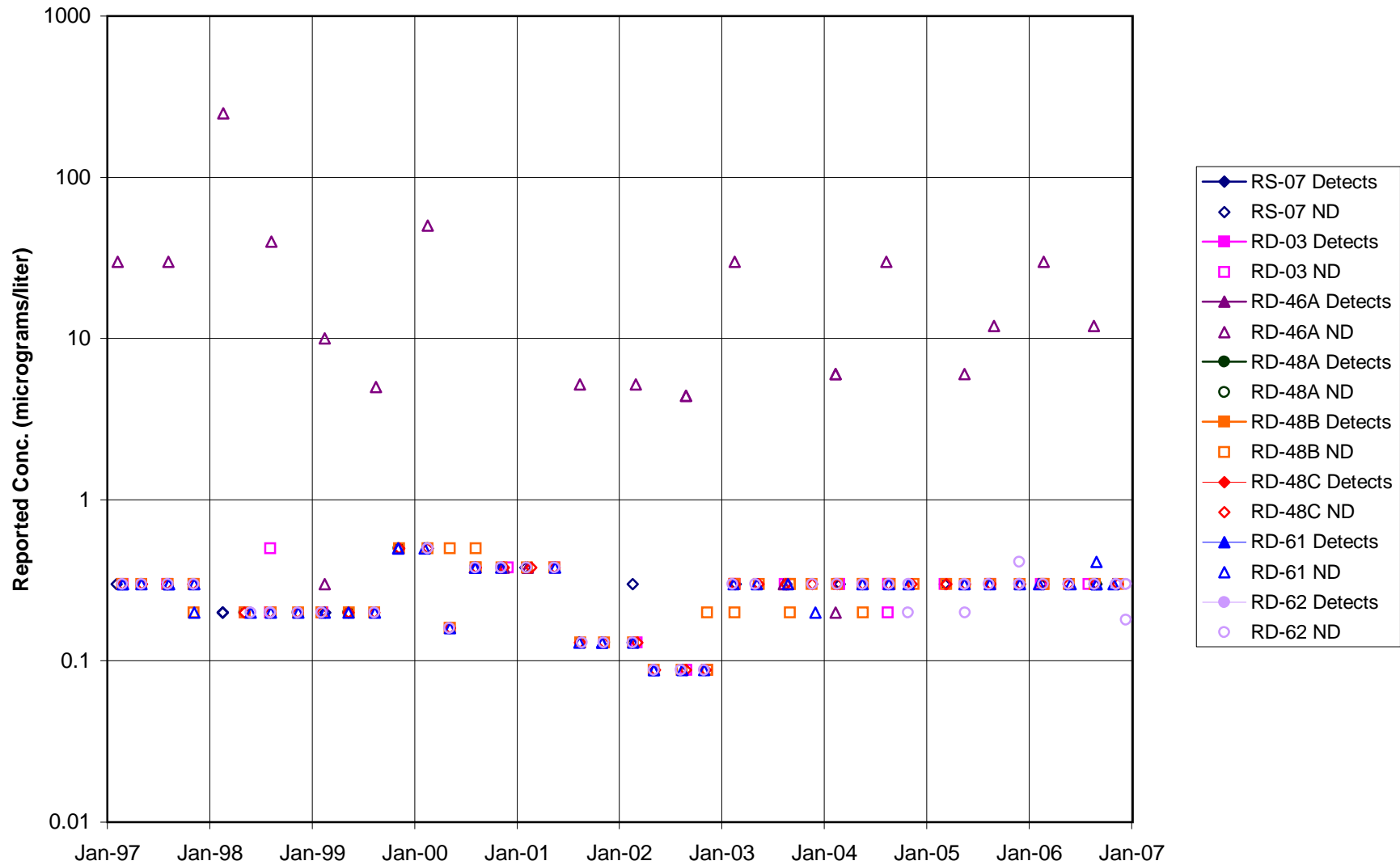


FIGURE F-9. 1,1,1-TCA in ECL AREA WELLS

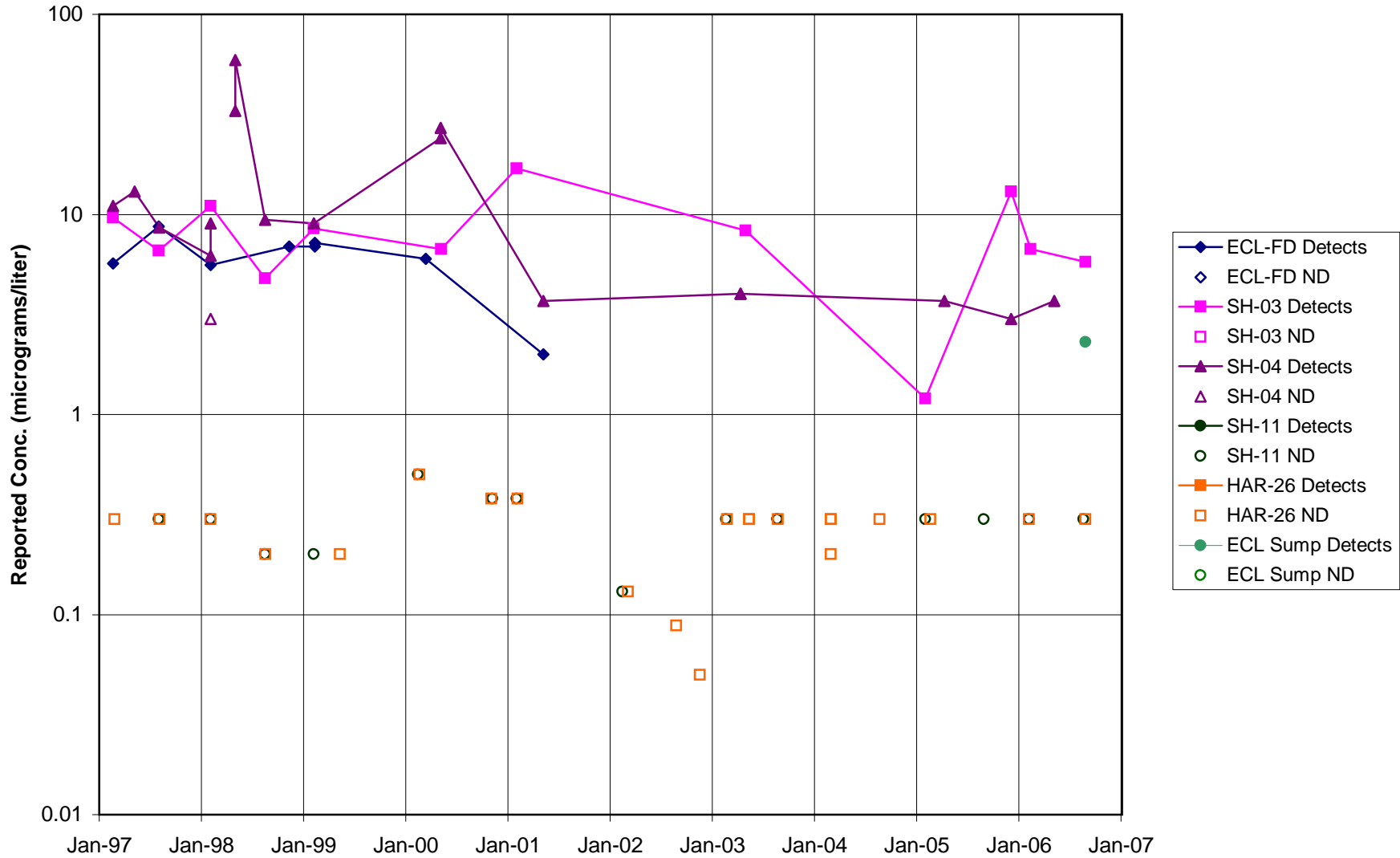


FIGURE F-10. 1,1,1-TCA in FORMER LOX PLANT AREA WELLS

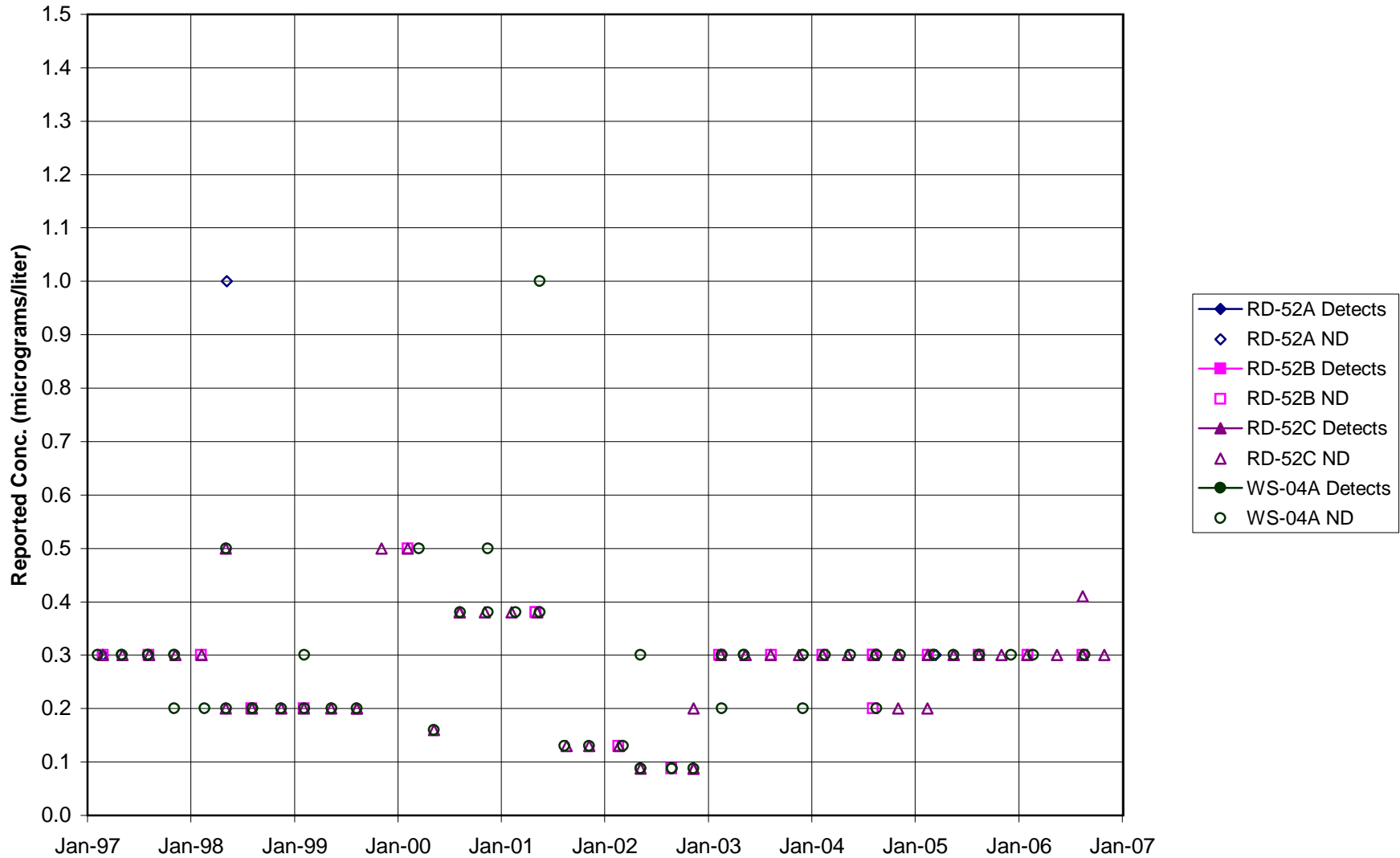


FIGURE F-11. 1,1,1-TCA in RD-09 AREA WELLS

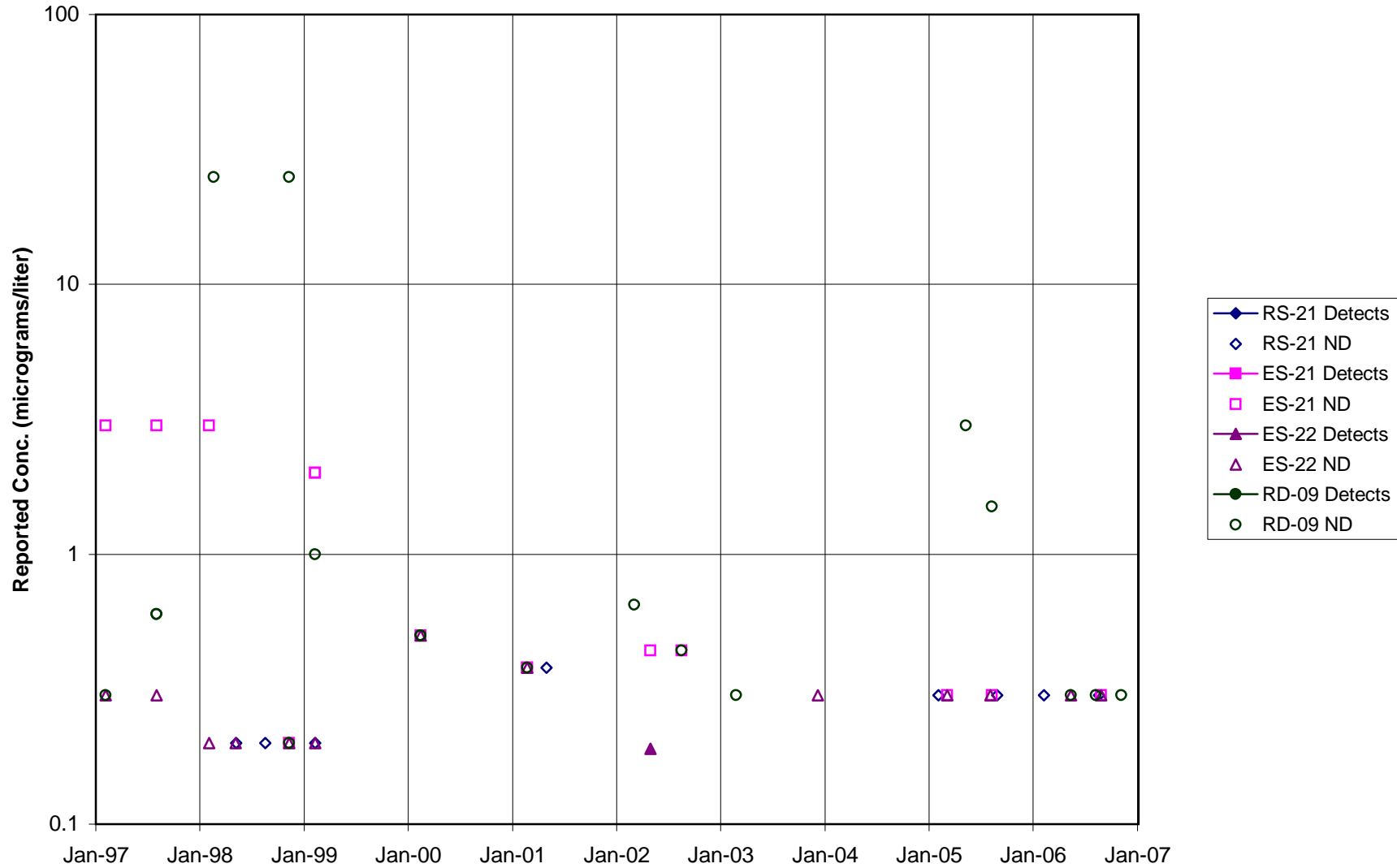


FIGURE F-12. 1,1,1-TCA in HELIPORT, B/204 AREA WELLS

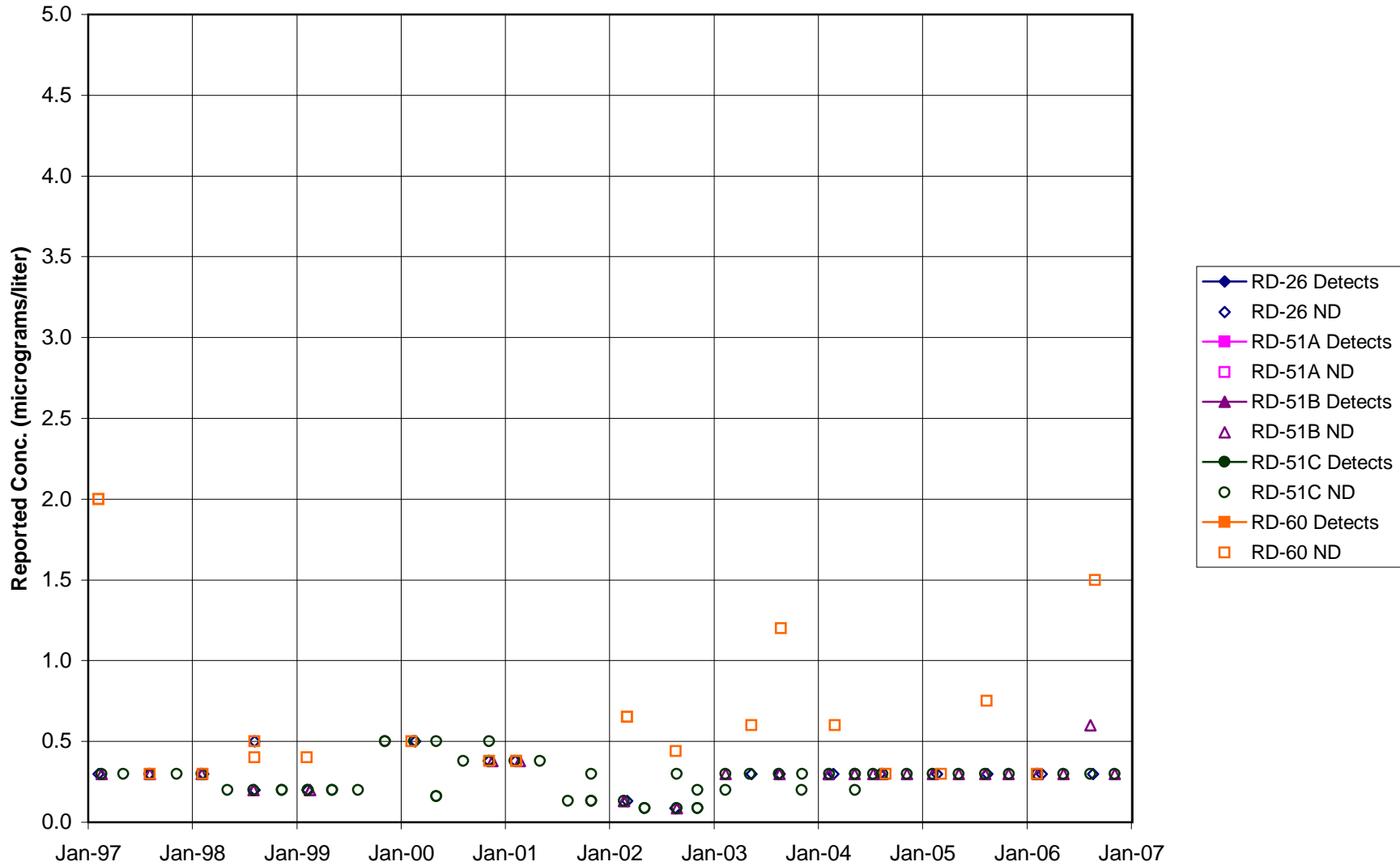


FIGURE F-13. 1,1,1-TCA in ALFA / BRAVO AREA WELLS

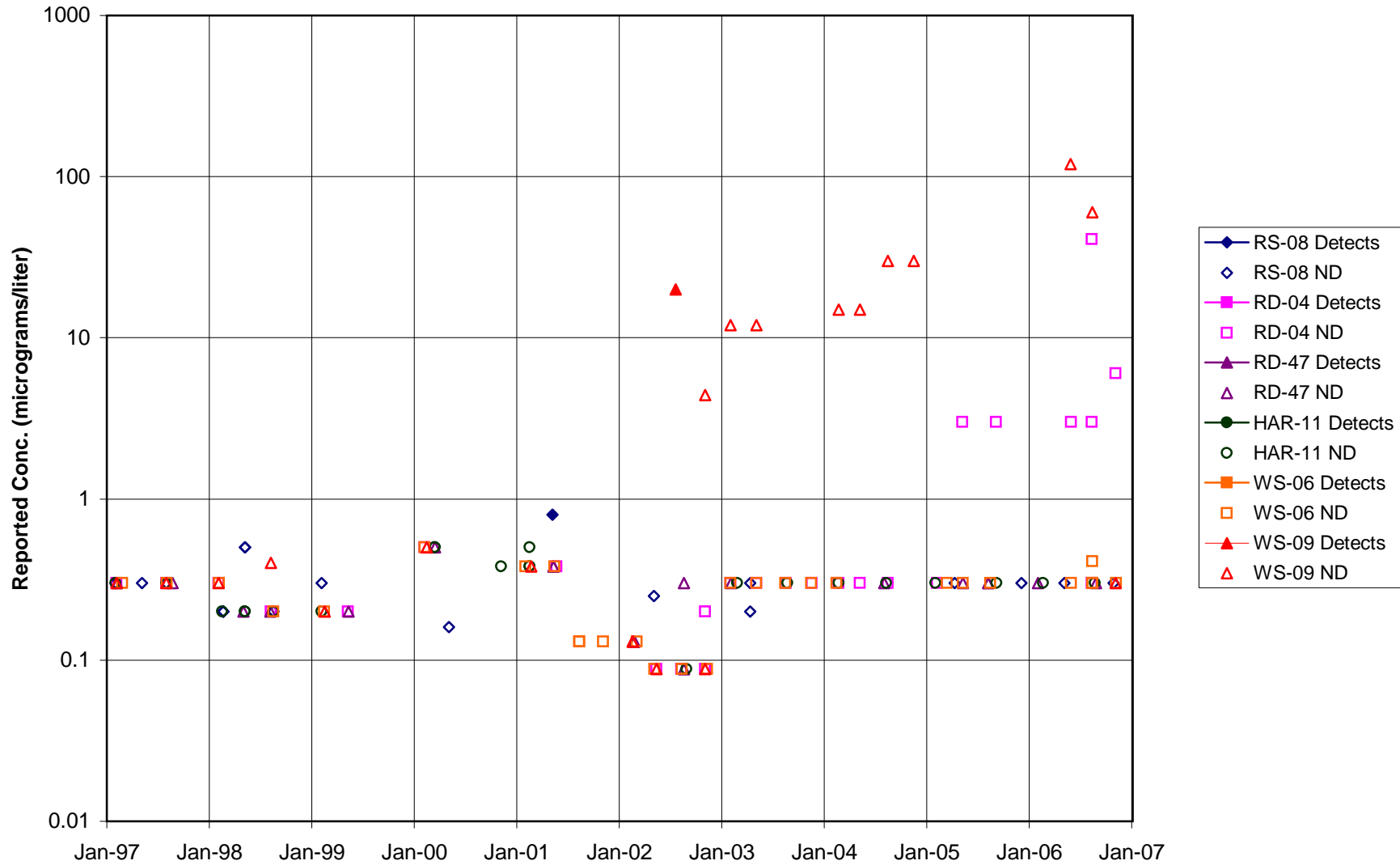


FIGURE F-14. 1,1,1-TCA in SPA AREA WELLS

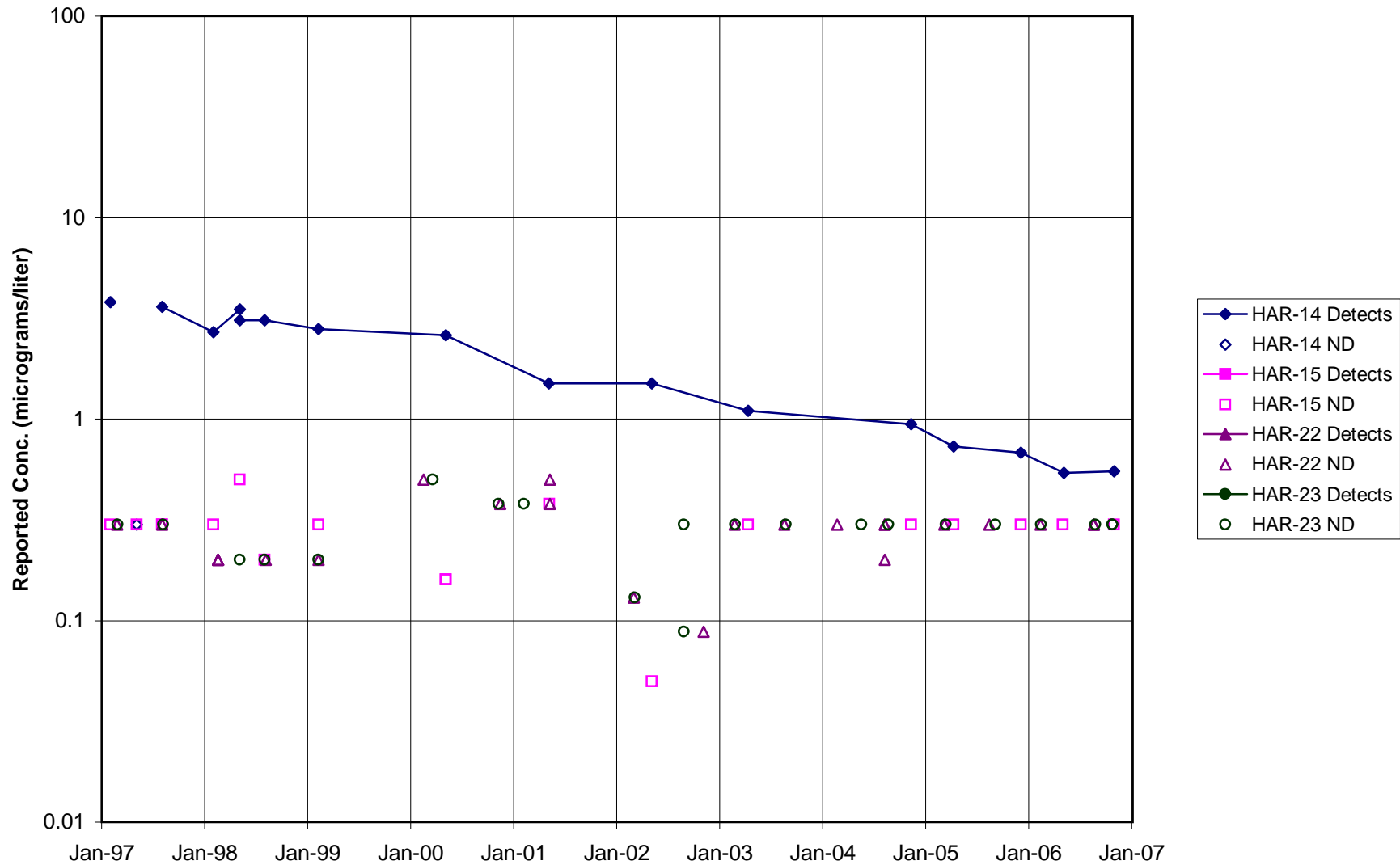


FIGURE F-15. 1,1,1-TCA in COCA / PLF AREA WELLS

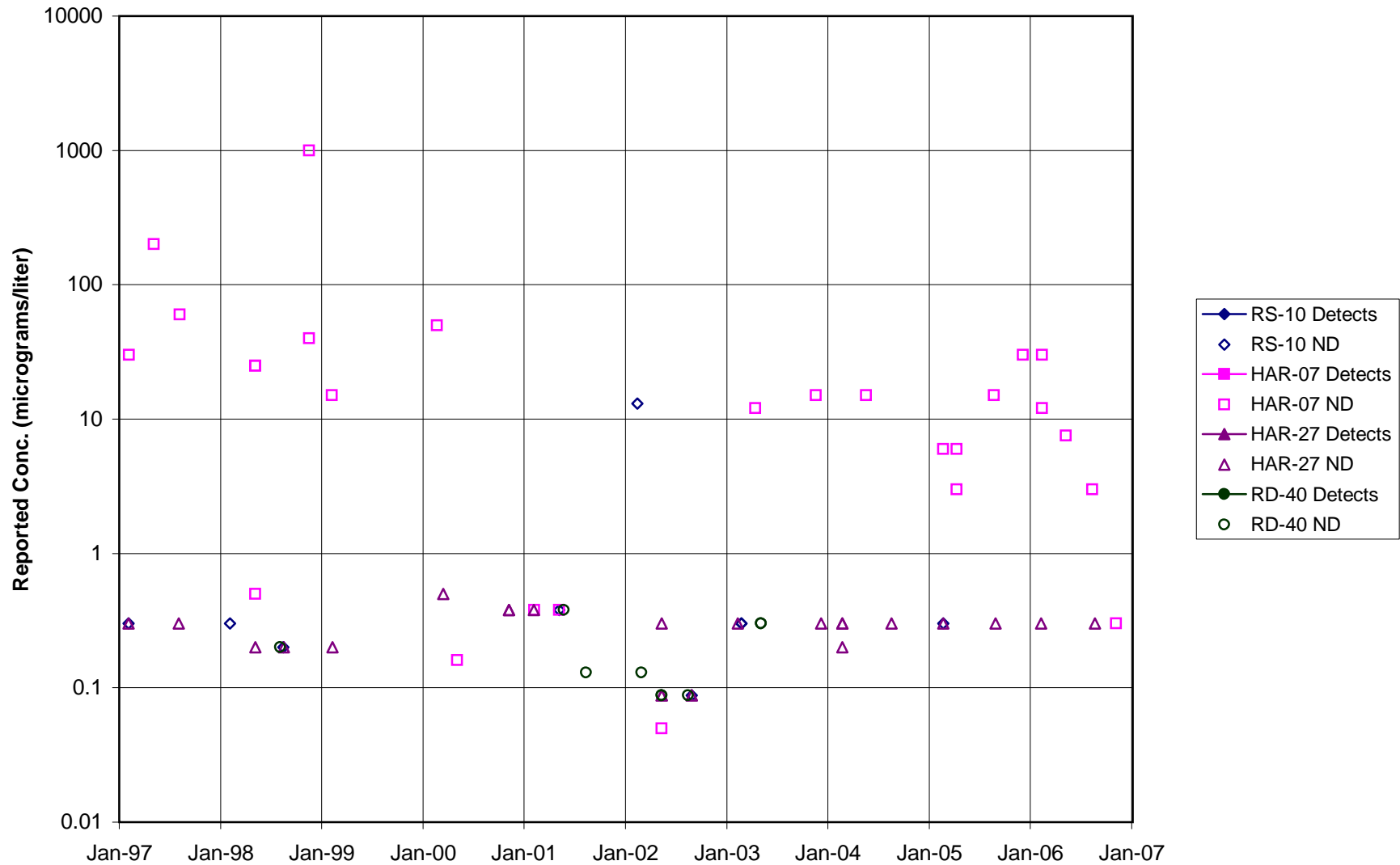


FIGURE F-16. 1,1,1-TCA in DELTA / BUFFER ZONE AREA WELLS

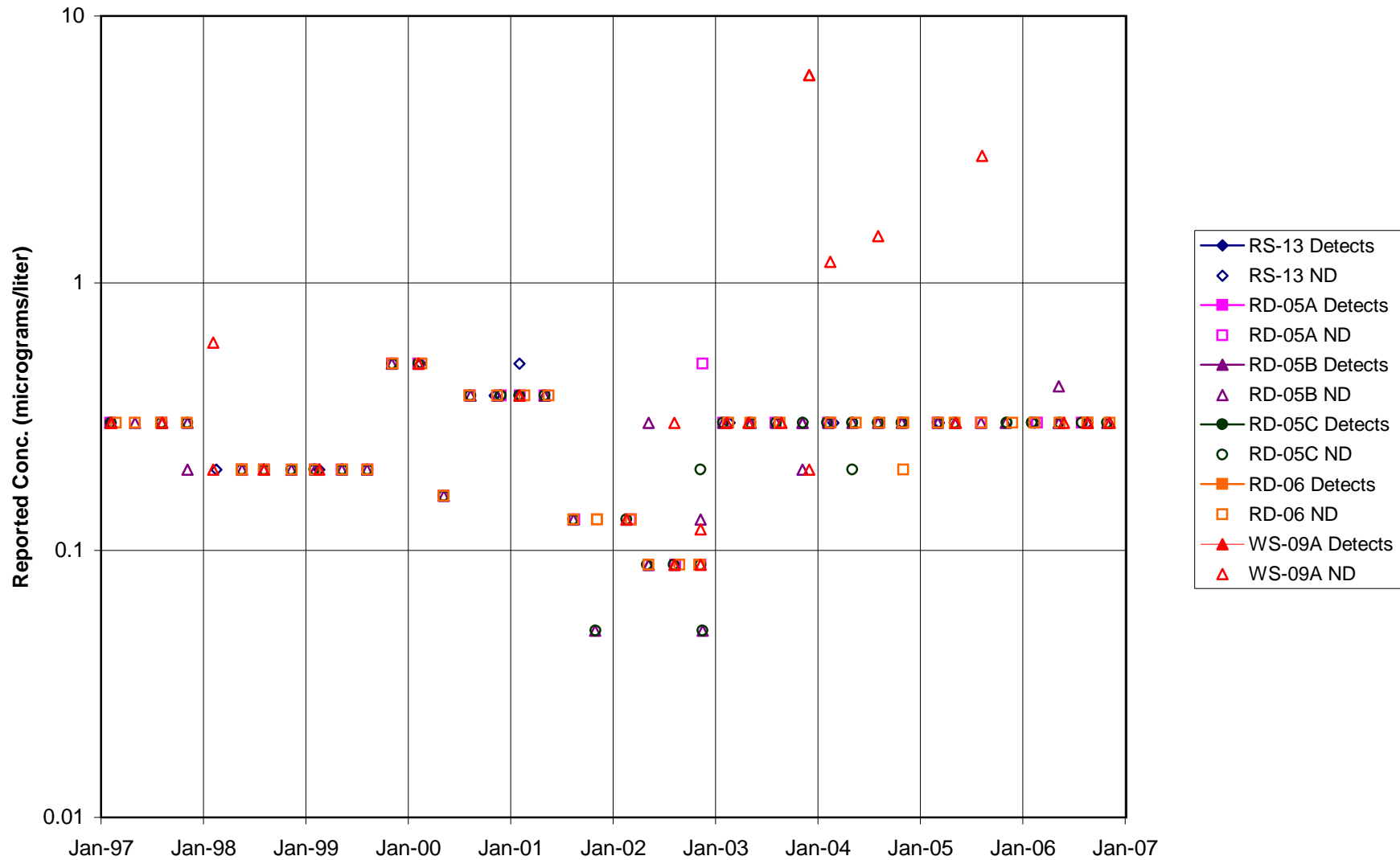


FIGURE F-17. 1,1,1-TCA in AREA IV WELLS

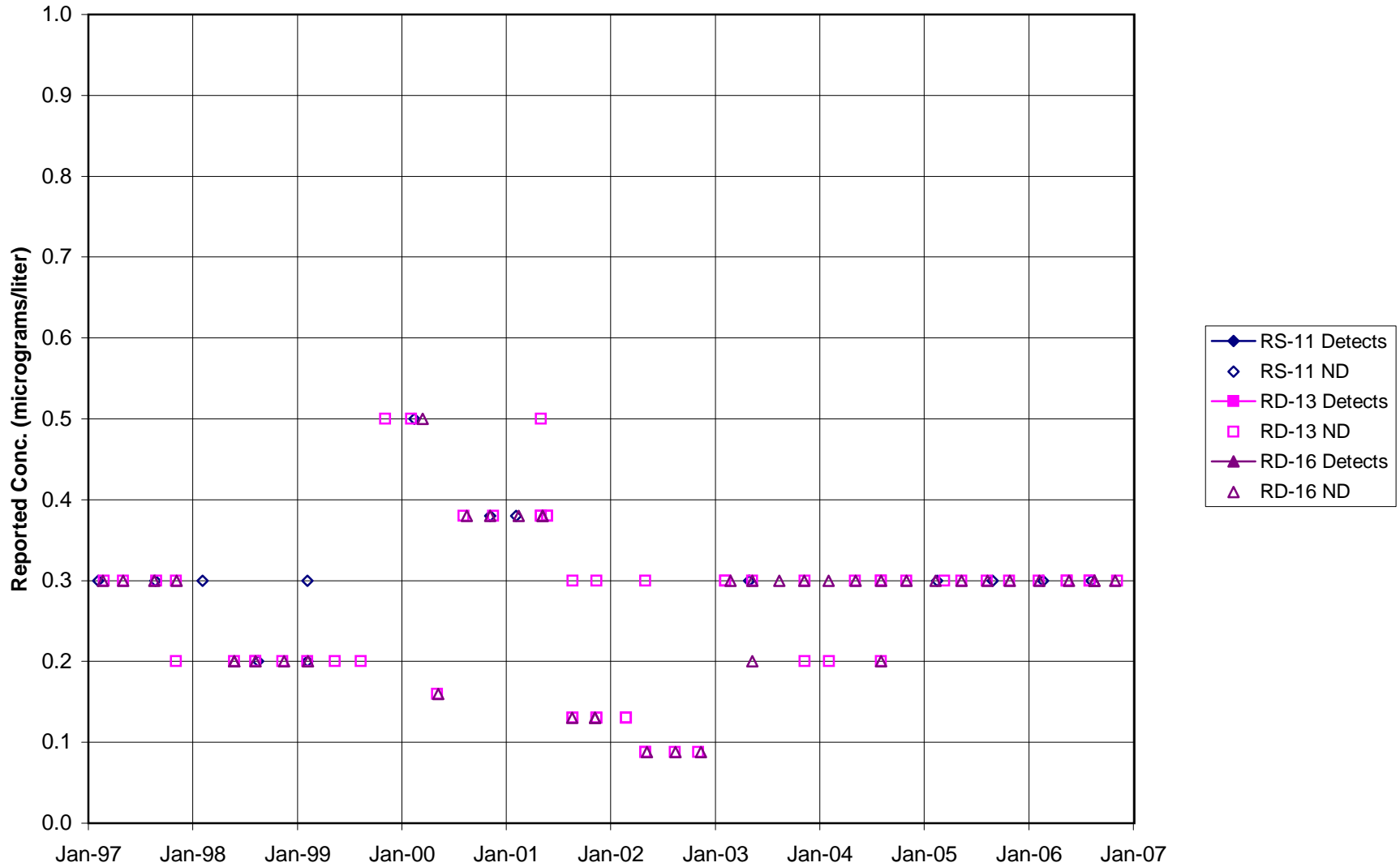


FIGURE F-18. 1,1,2-TCA in STL-IV AREA SHALLOW WELLS

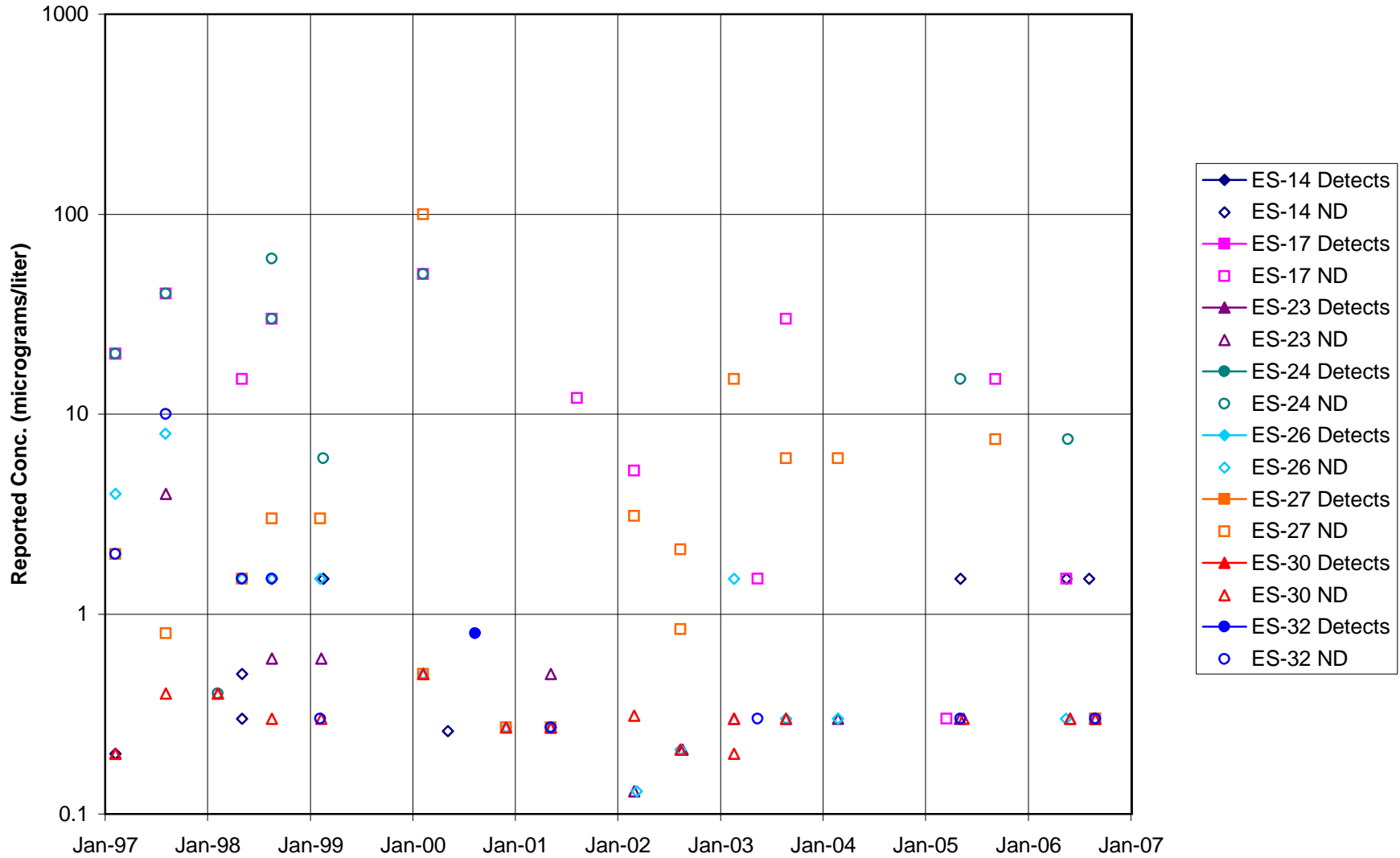


FIGURE F-19. 1,1,2-TCA in STL-IV AREA CHATSWORTH FORMATION WELLS

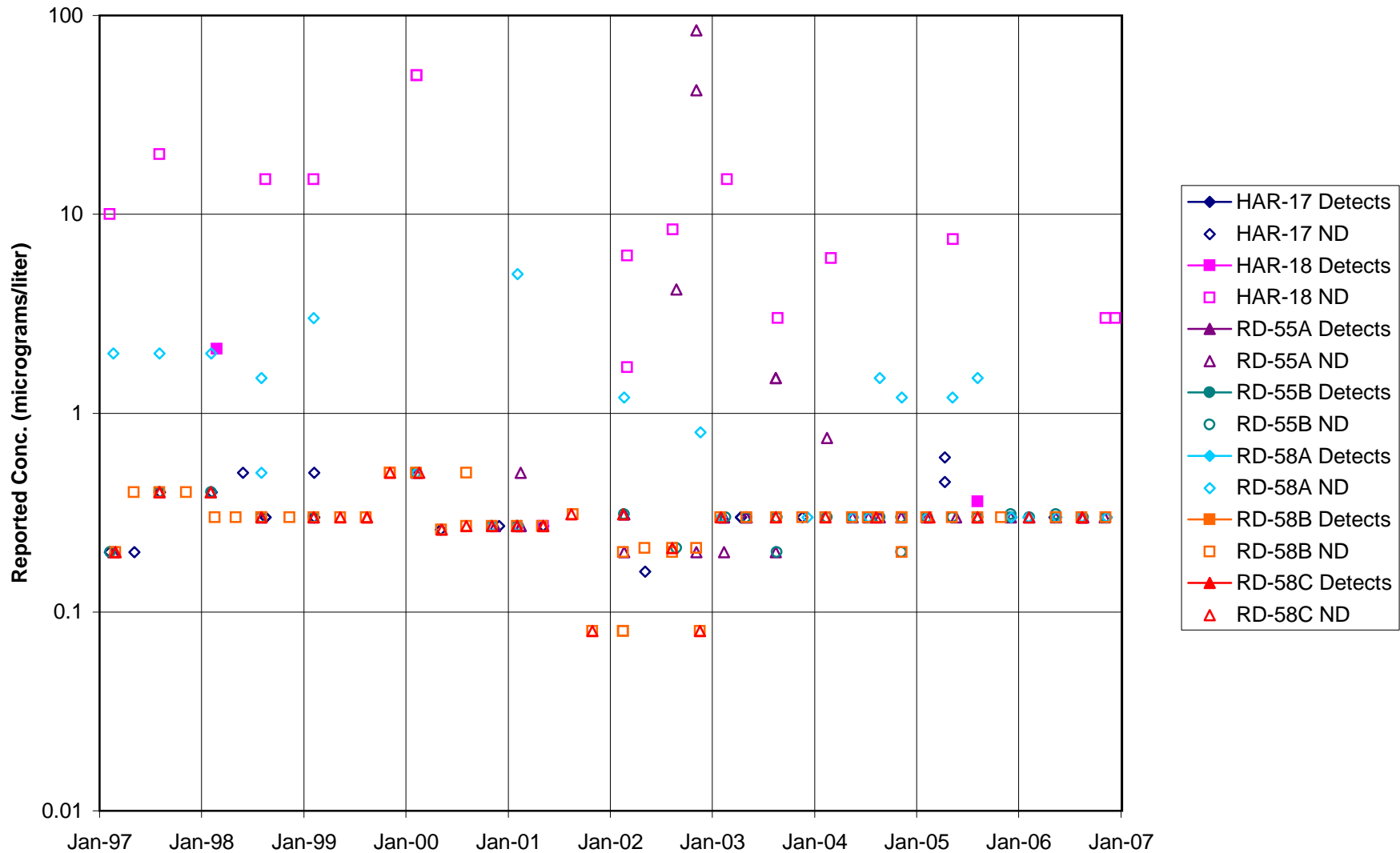


FIGURE F-20. 1,1,2-TCA in MAIN GATE AREA WELLS - 1

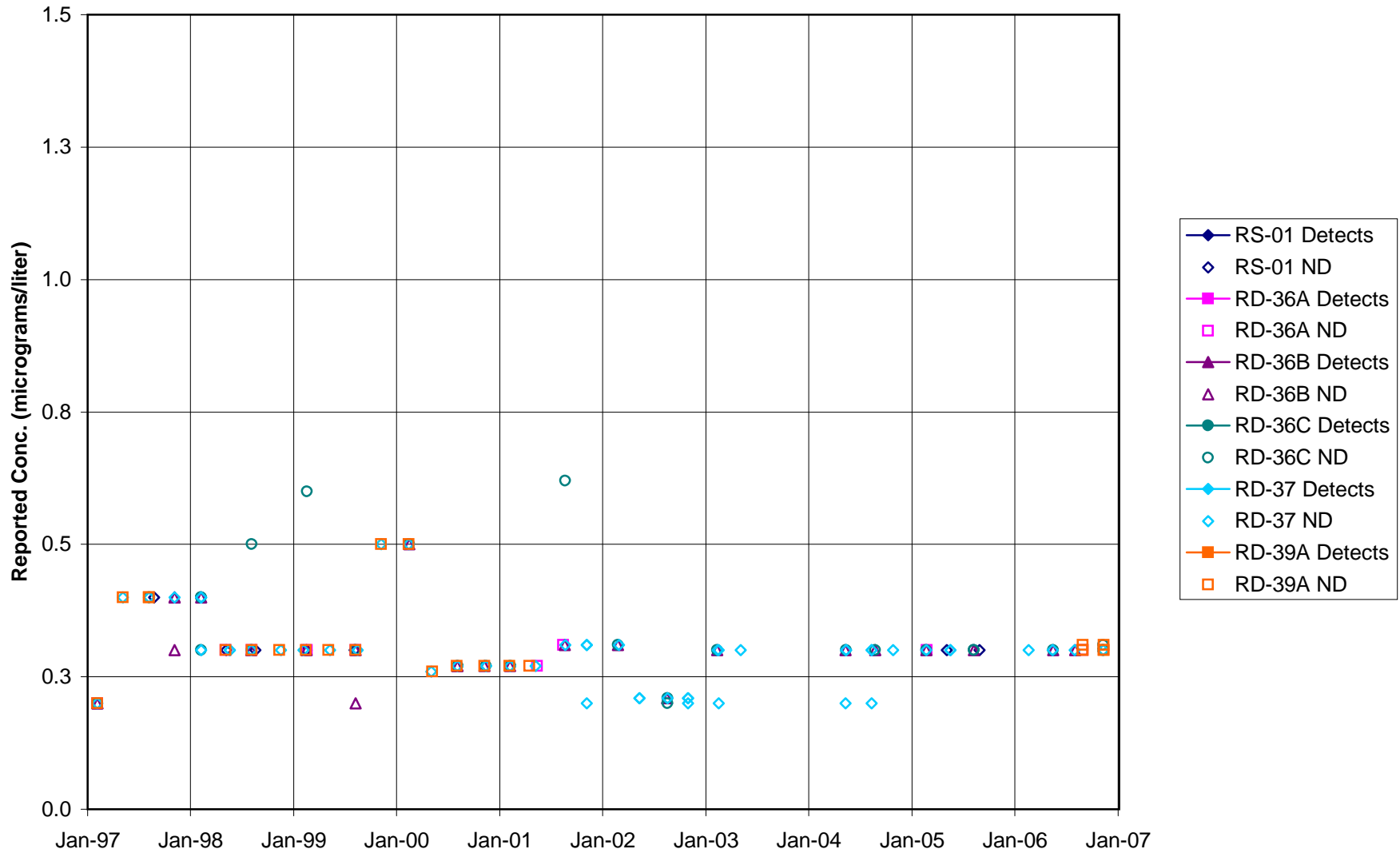


FIGURE F-21. 1,1,2-TCA in MAIN GATE AREA WELLS - 2

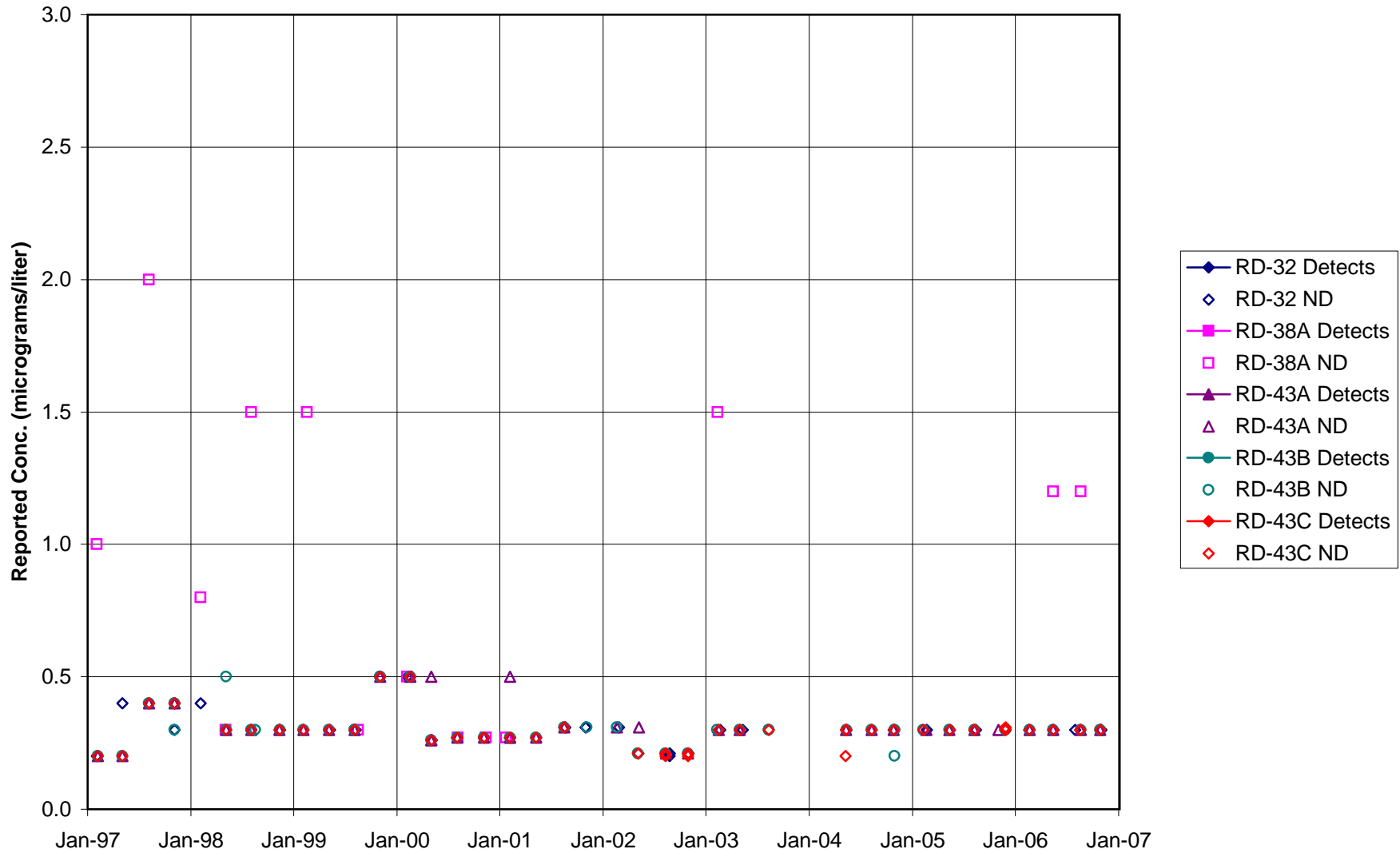


FIGURE F-22. 1,1,2-TCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

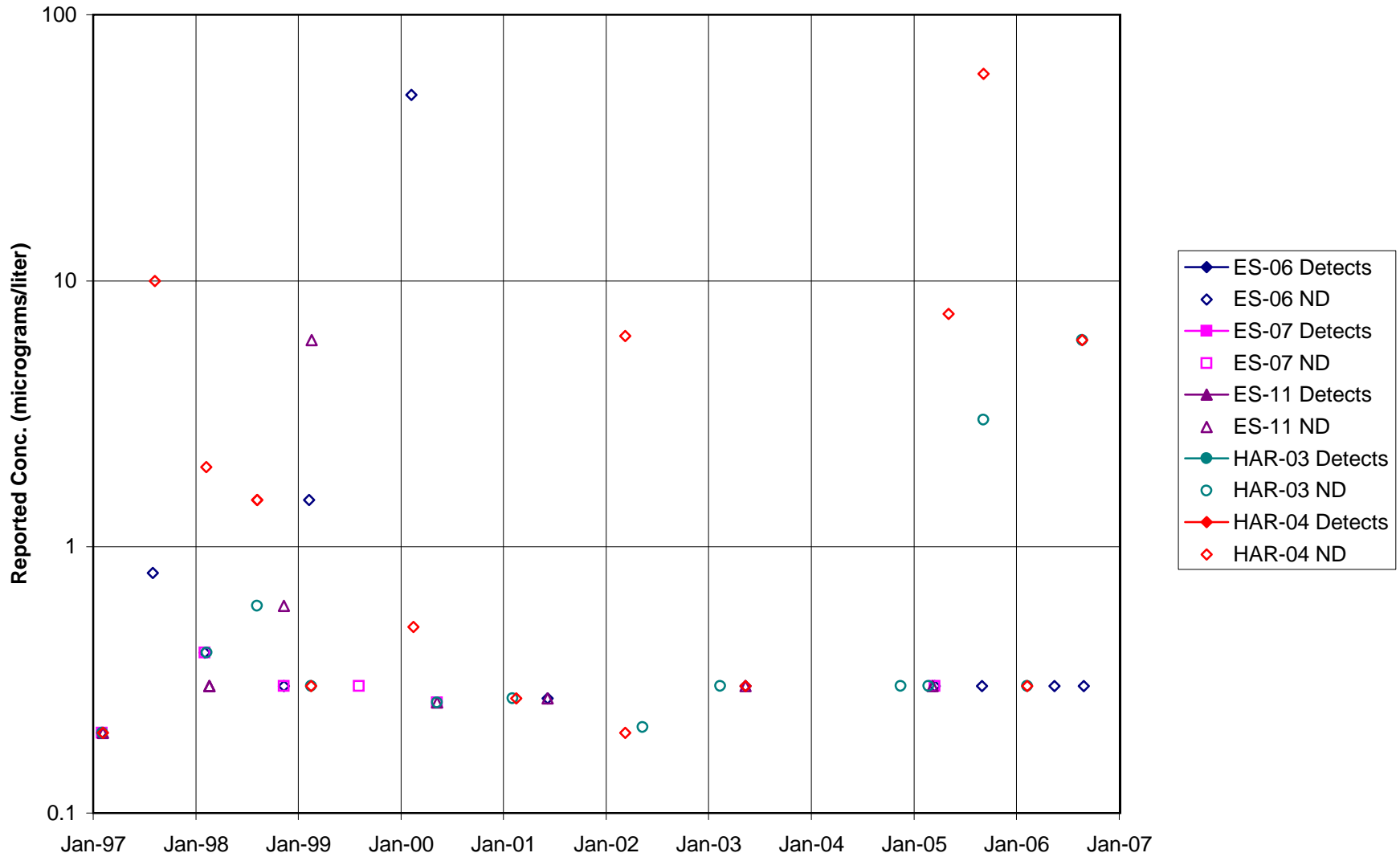


FIGURE F-23. 1,1,2-TCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

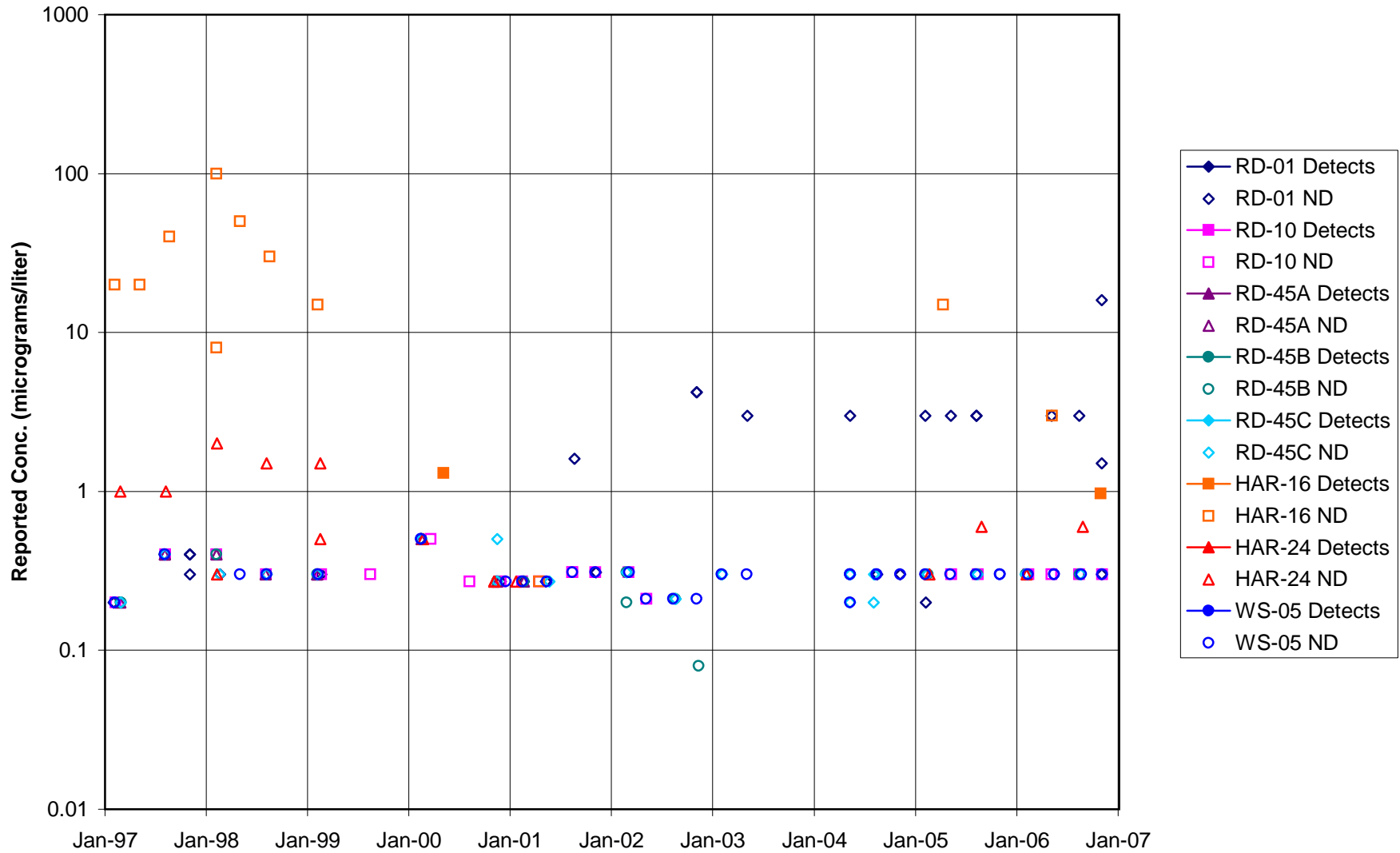


FIGURE F-24. 1,1,2-TCA in CTL-III / PERIMETER POND AREA WELLS

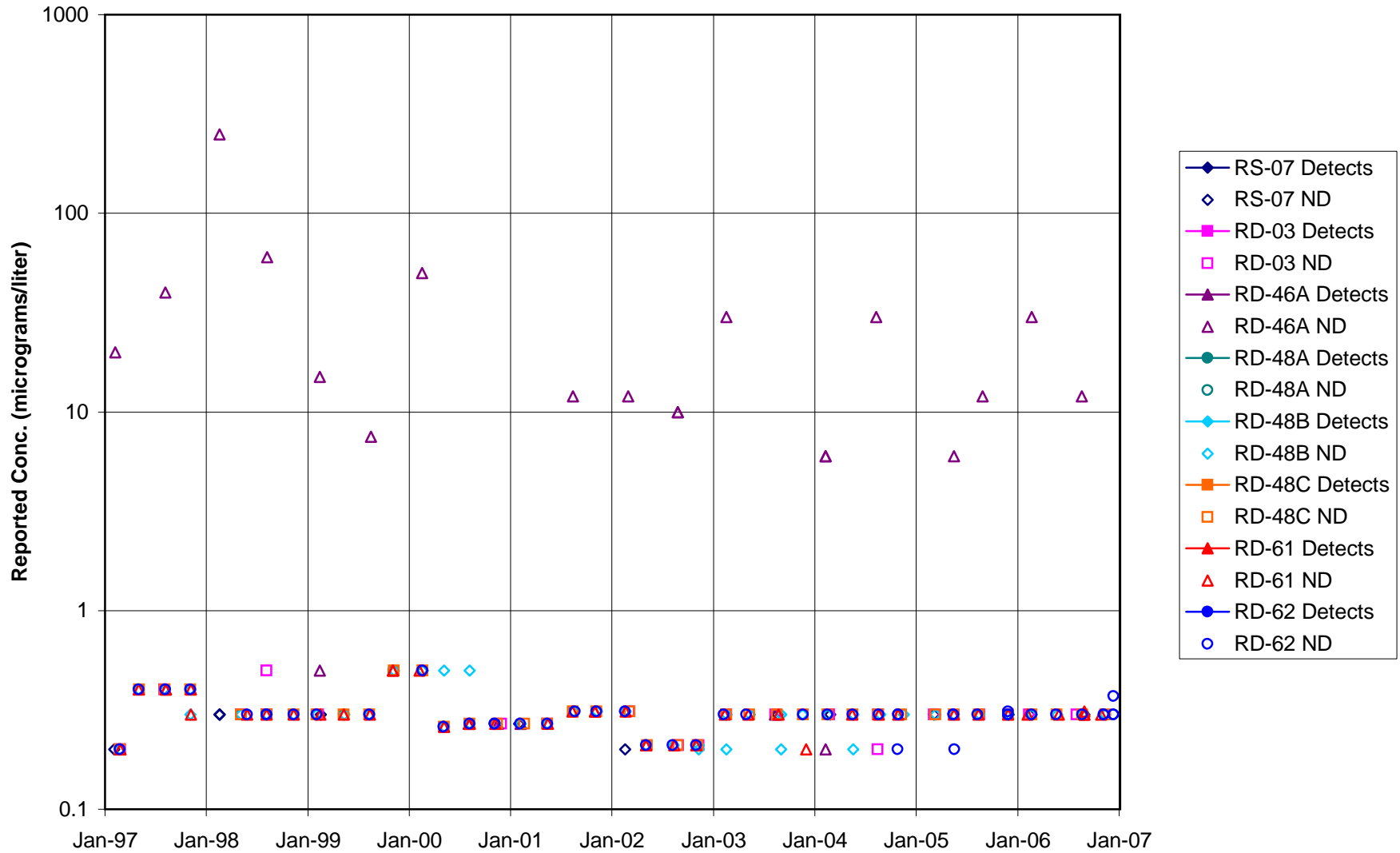


FIGURE F-25. 1,1,2-TCA in BOWL AREA WELLS

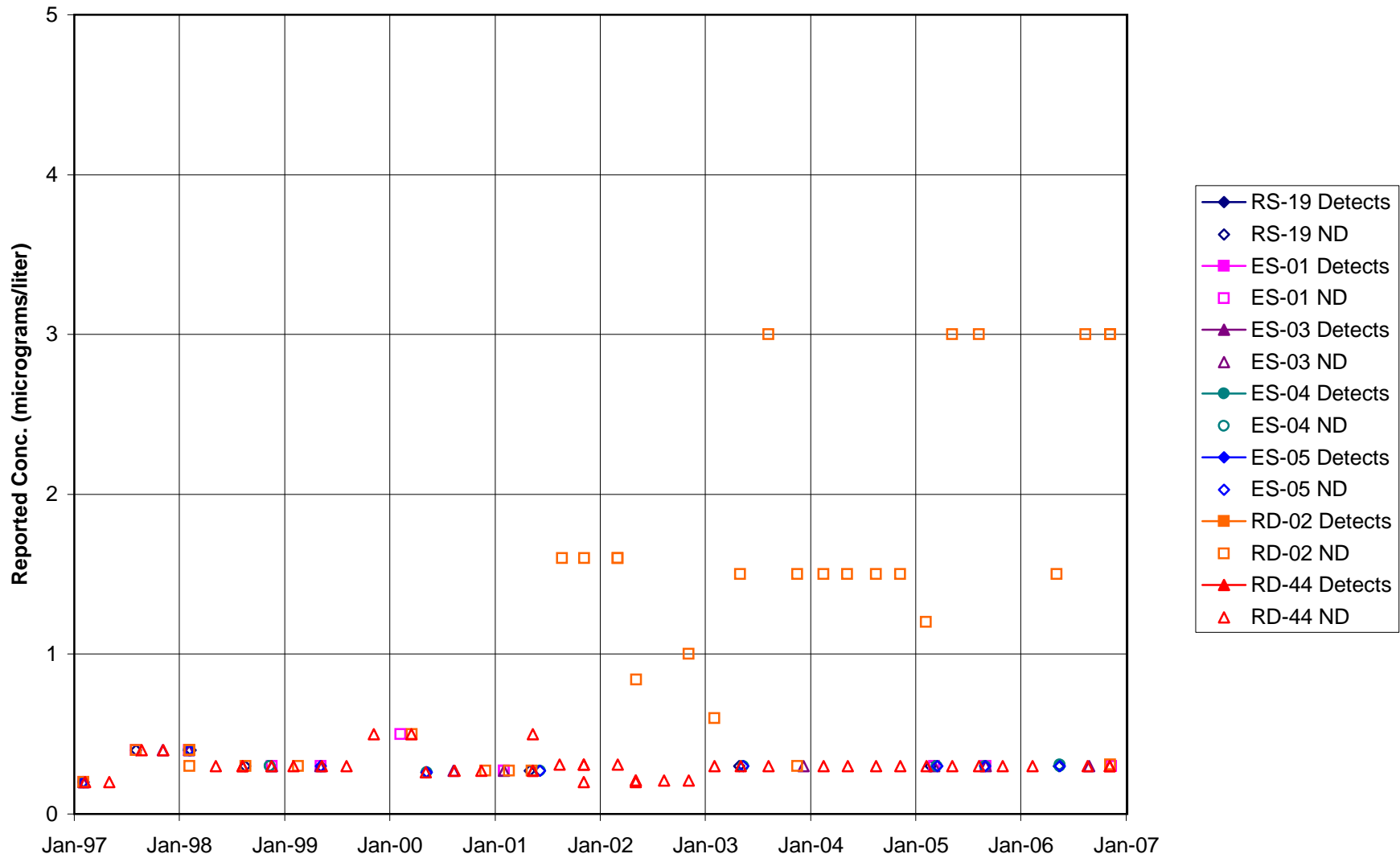


FIGURE F-26. 1,1,2-TCA in ECL AREA WELLS

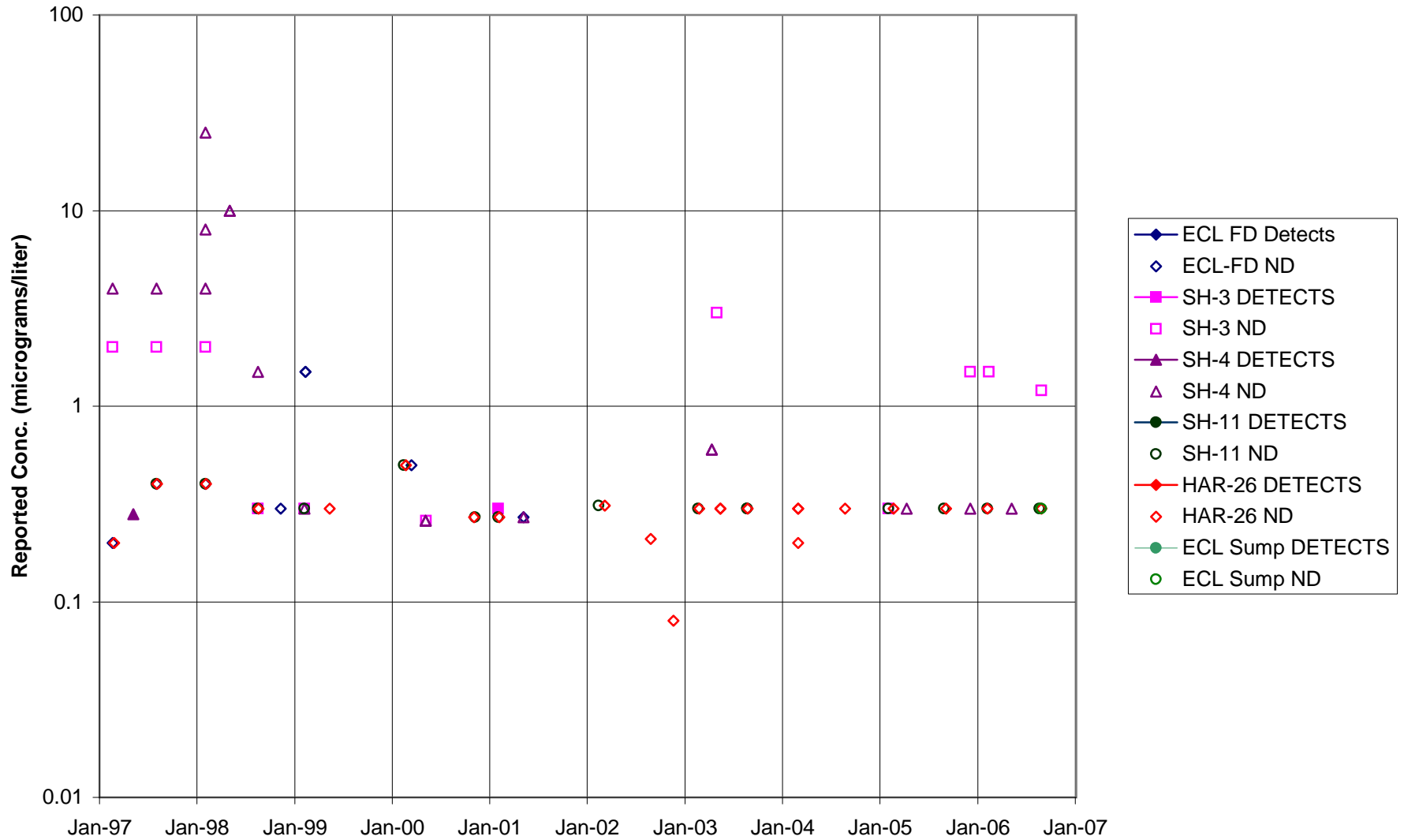


FIGURE F-27. 1,1,2-TCA in FORMER LOX PLANT AREA WELLS

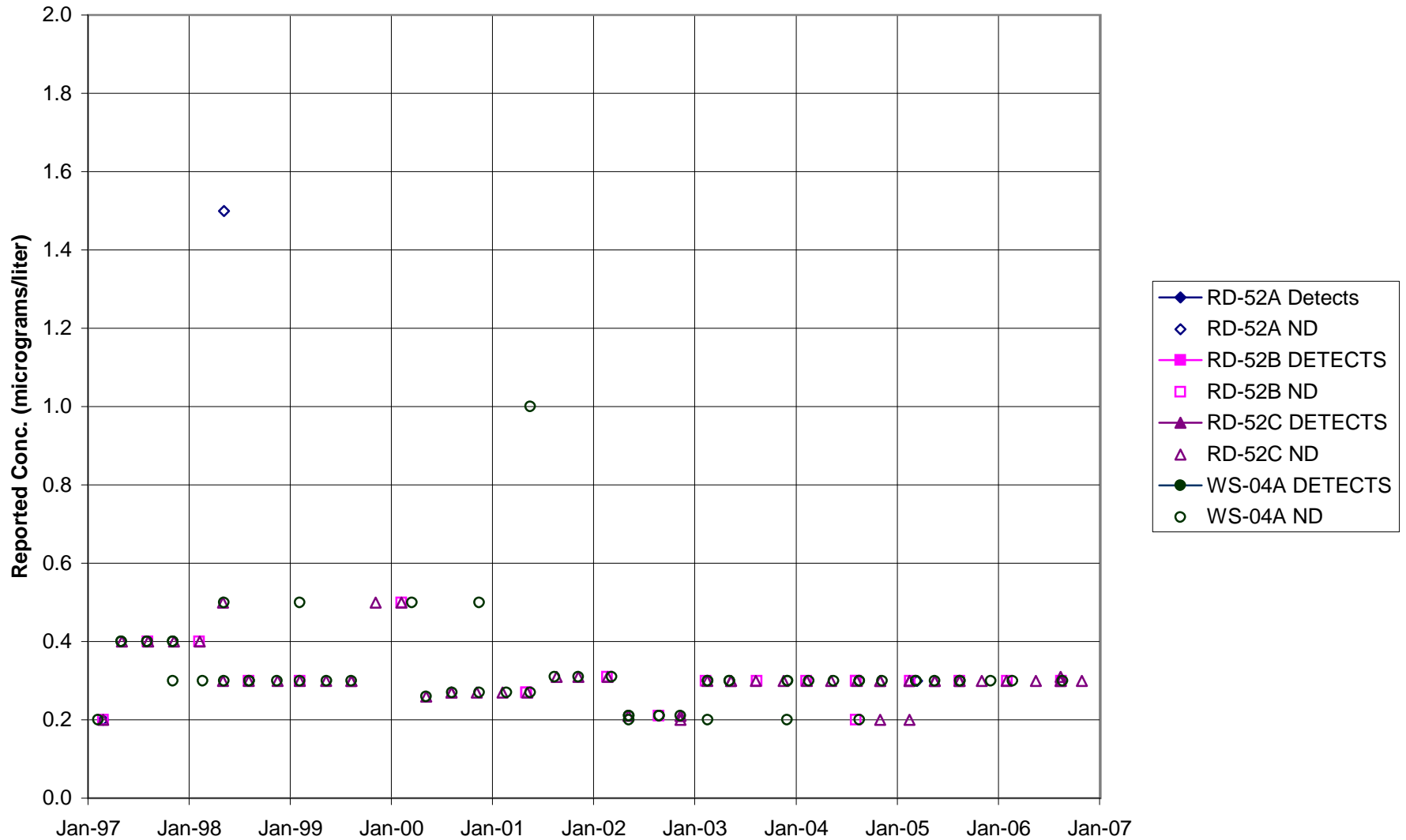


FIGURE F-28. 1,1,2-TCA in RD-09 AREA WELLS

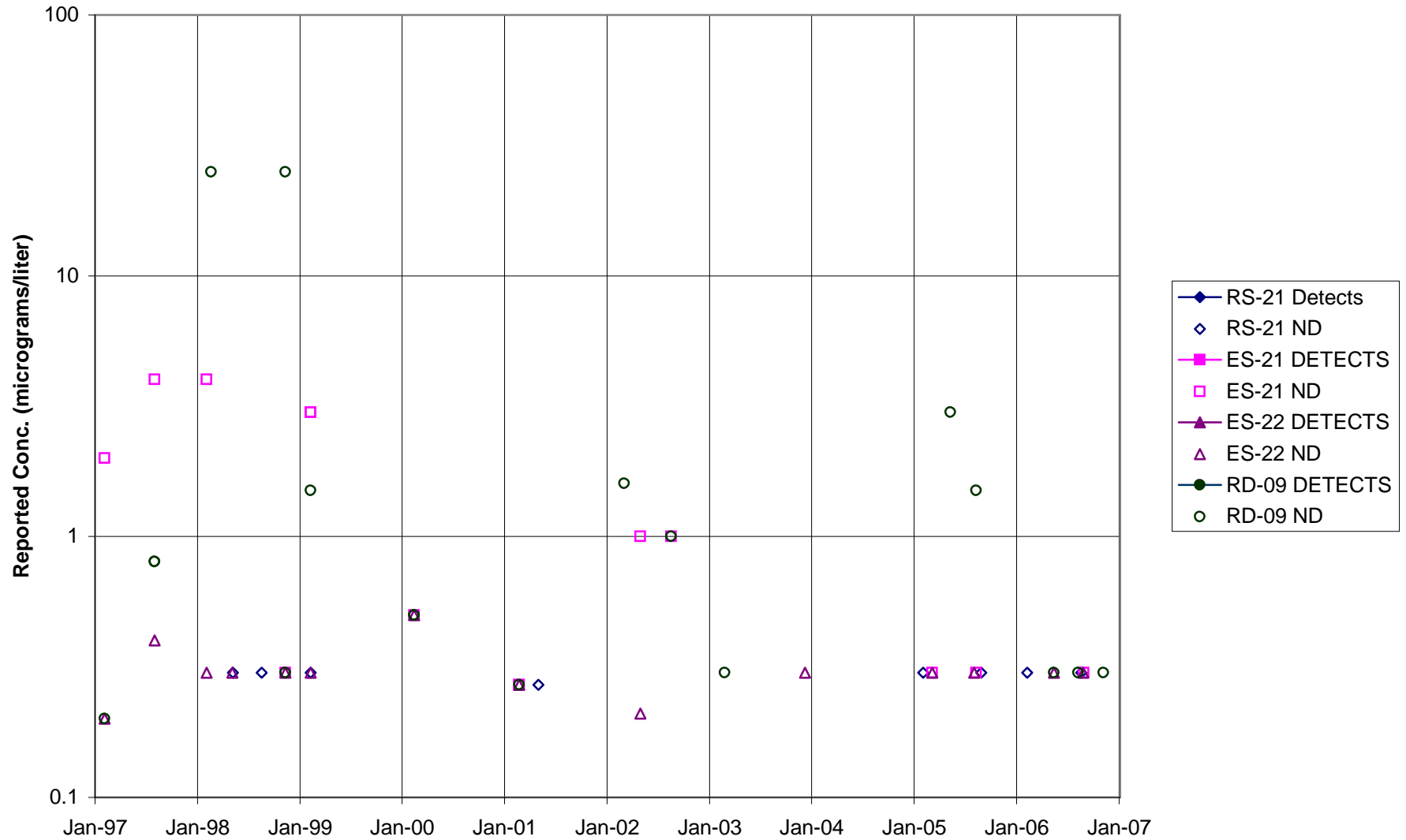


FIGURE F-29. 1,1,2-TCA in HELIPORT, B/204 AREA WELLS

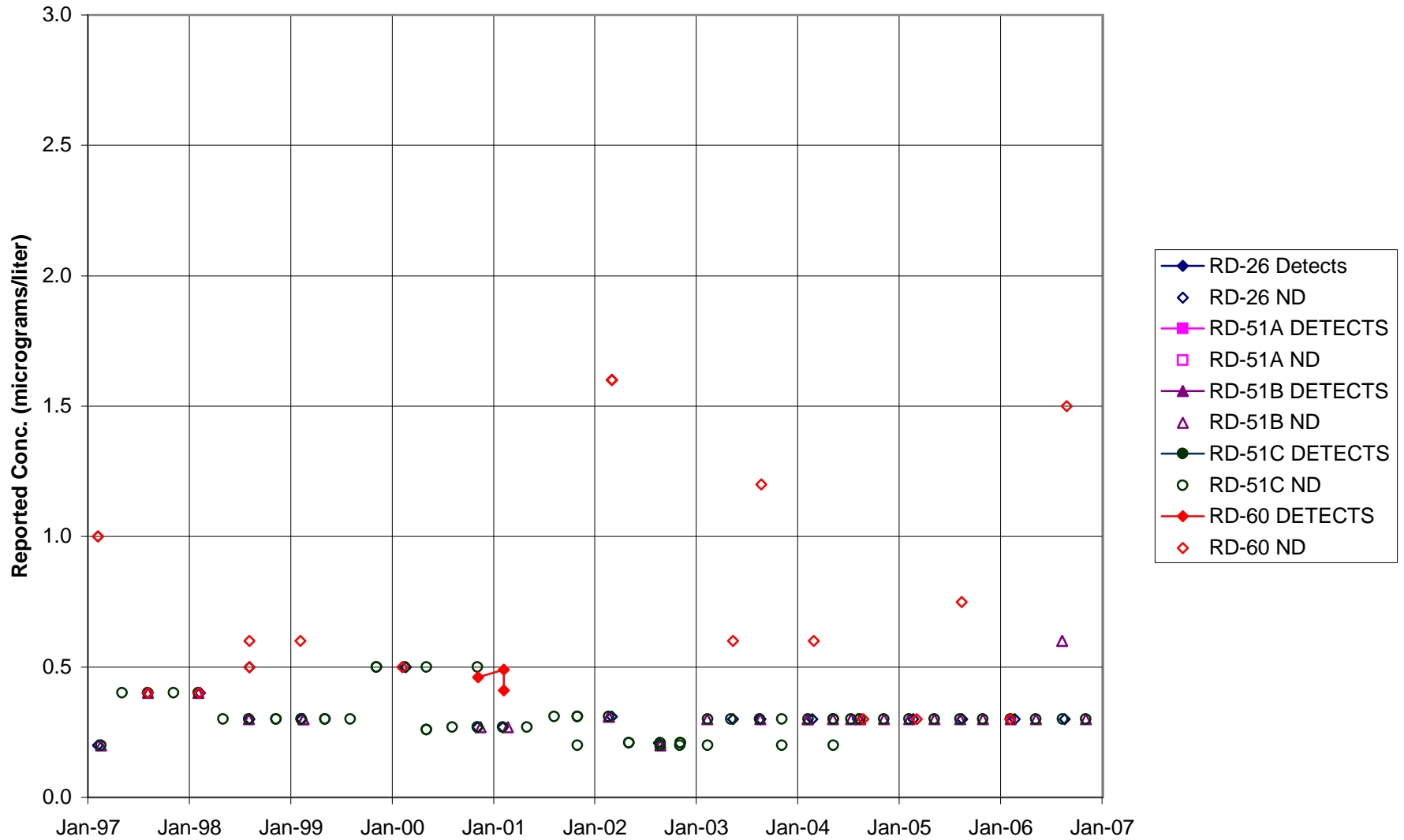


FIGURE F-30. 1,1,2-TCA in ALFA / BRAVO AREA WELLS

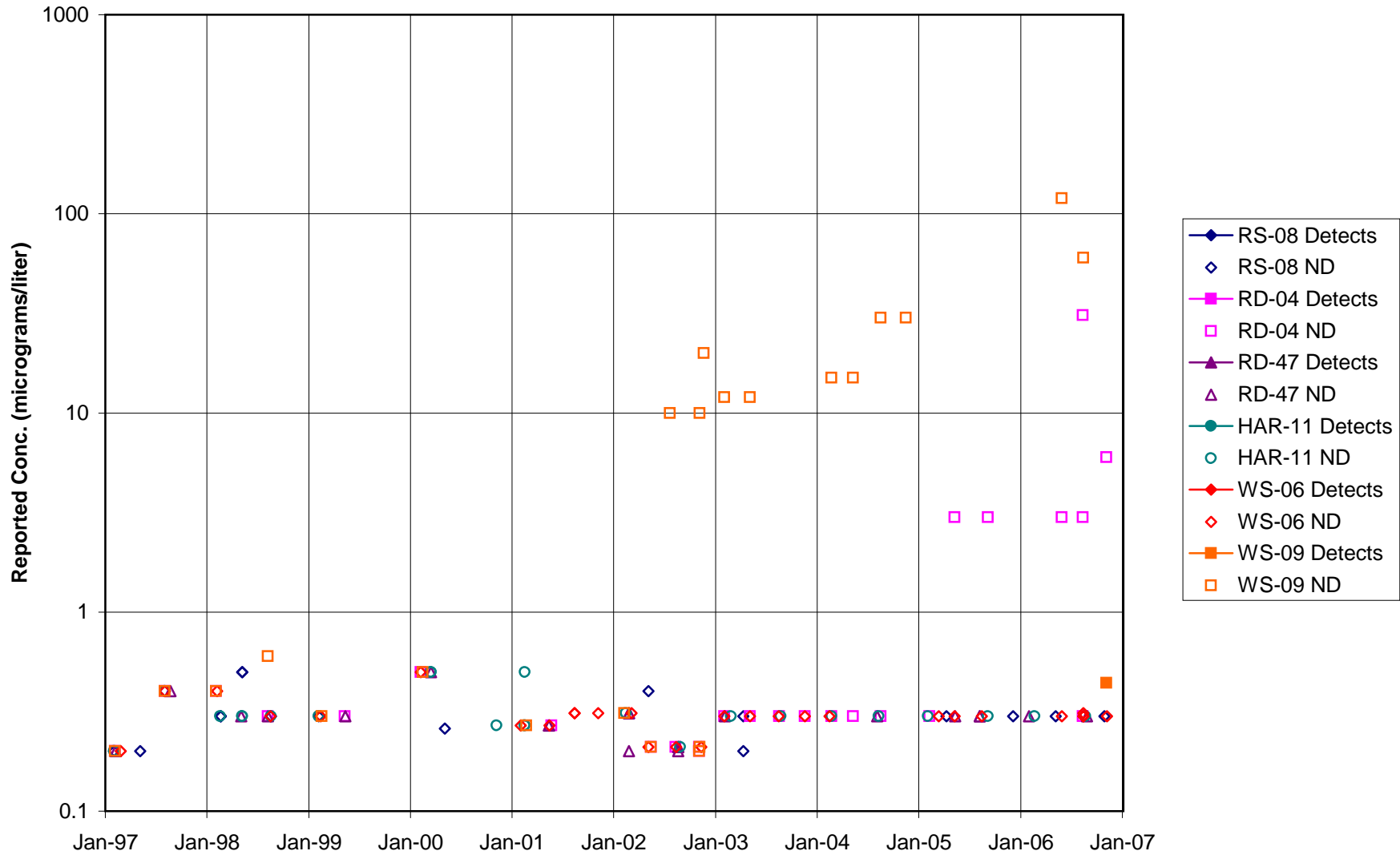


FIGURE F-31. 1,1,2-TCA in SPA AREA WELLS

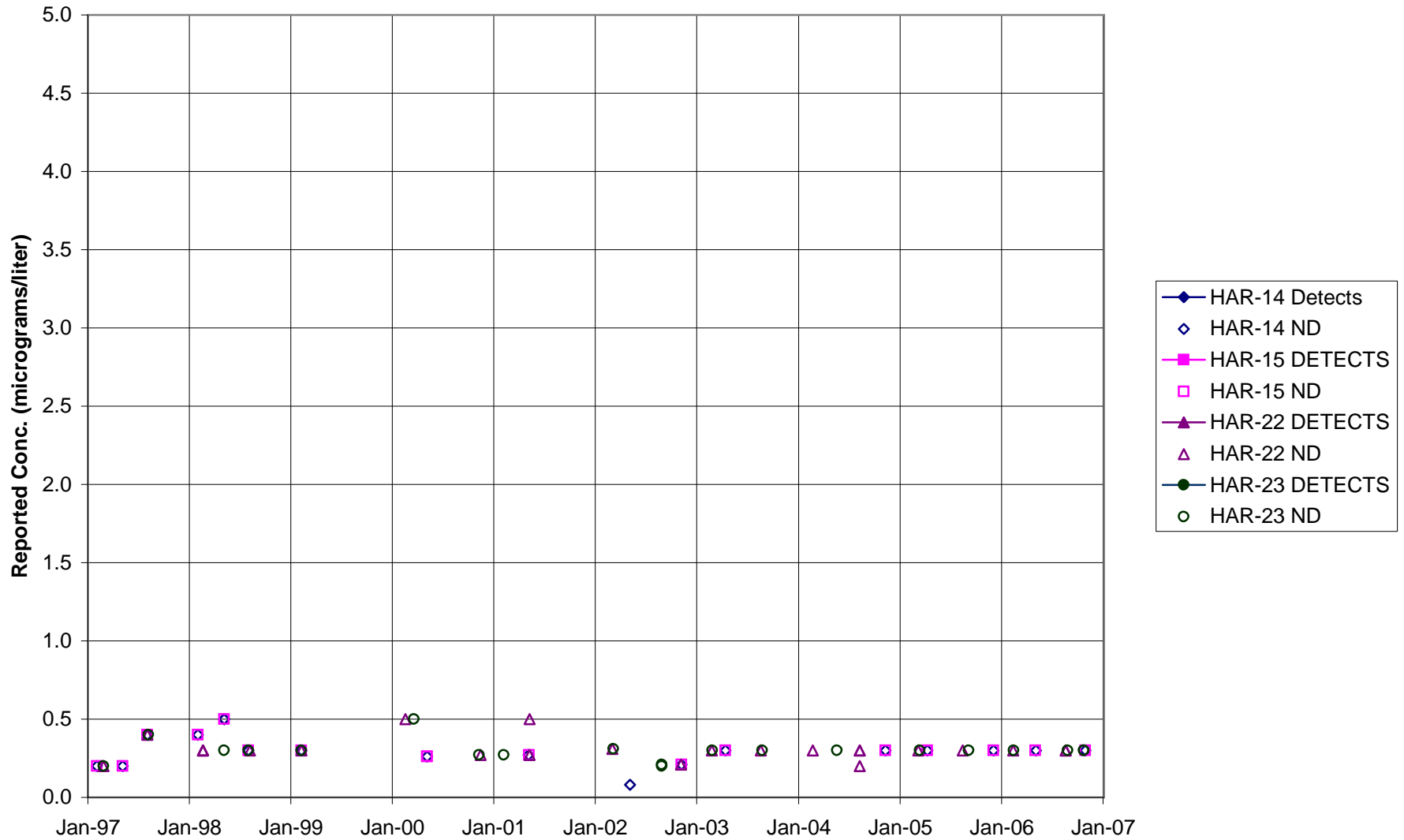


FIGURE F-32. 1,1,2-TCA in COCA / PLF AREA WELLS

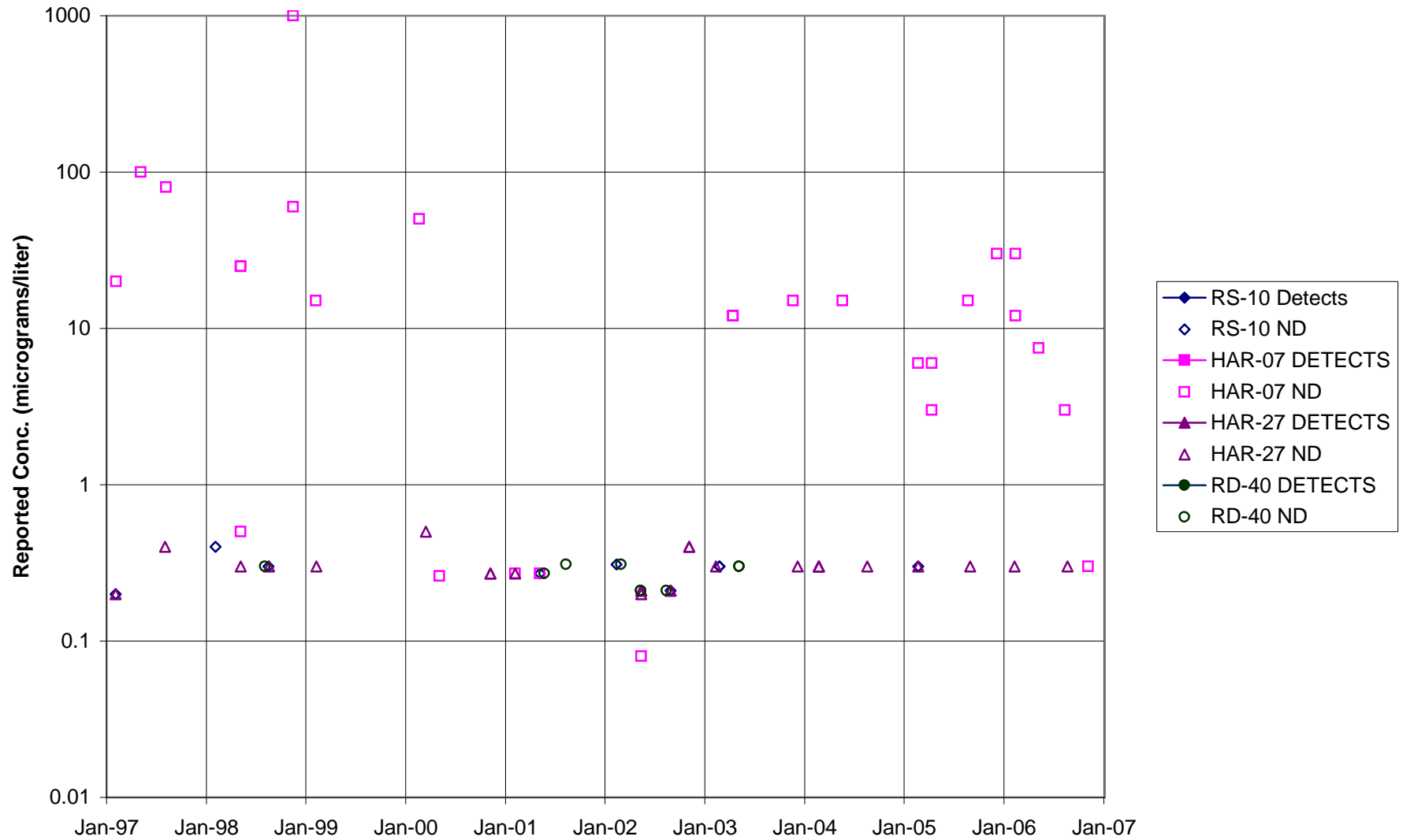


FIGURE F-33. 1,1,2-TCA in DELTA / BUFFER ZONE AREA WELLS

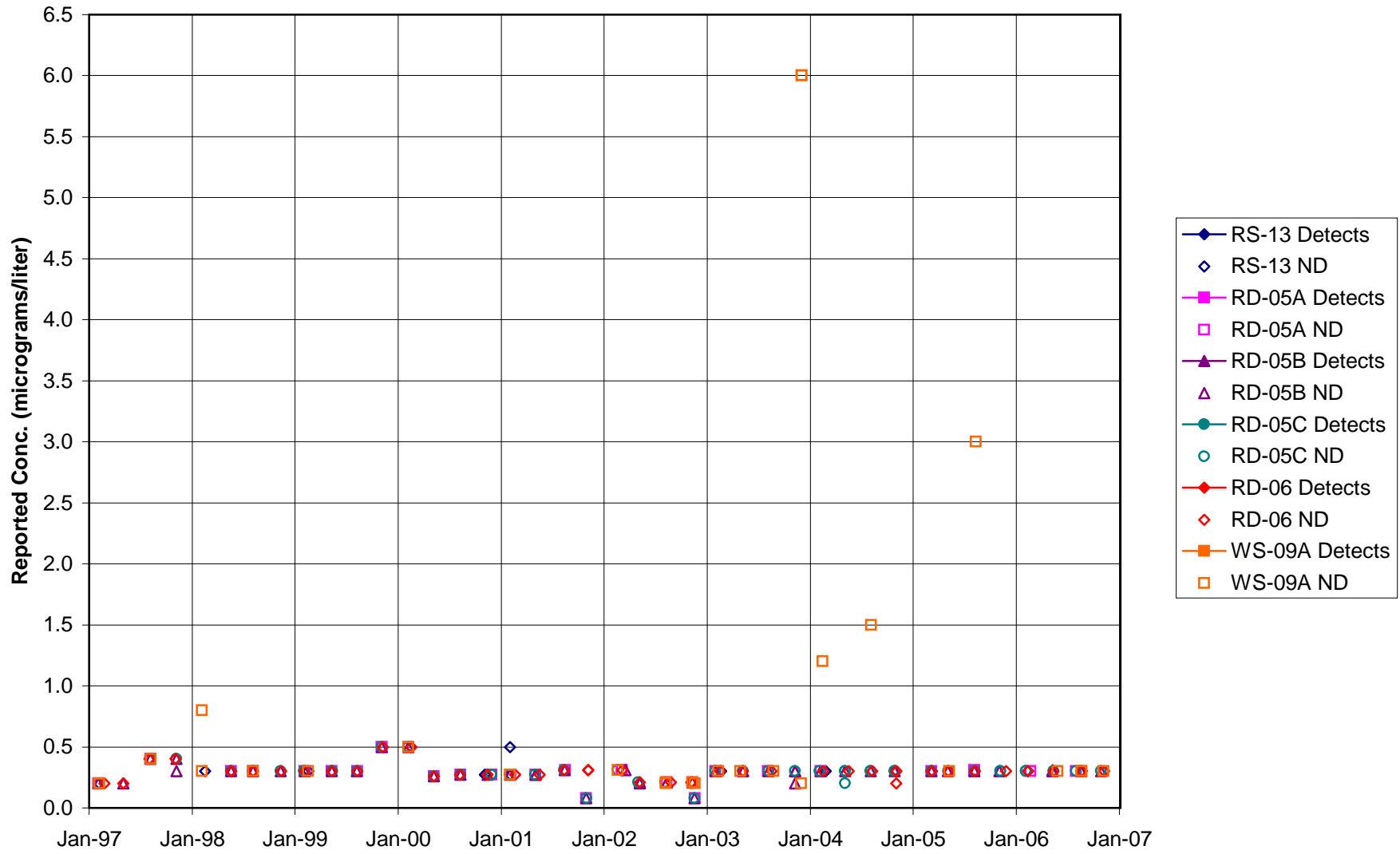


FIGURE F-34. 1,1,2-TCA in AREA IV WELLS



FIGURE F-35. 1,1-DCE in STL-IV AREA SHALLOW WELLS

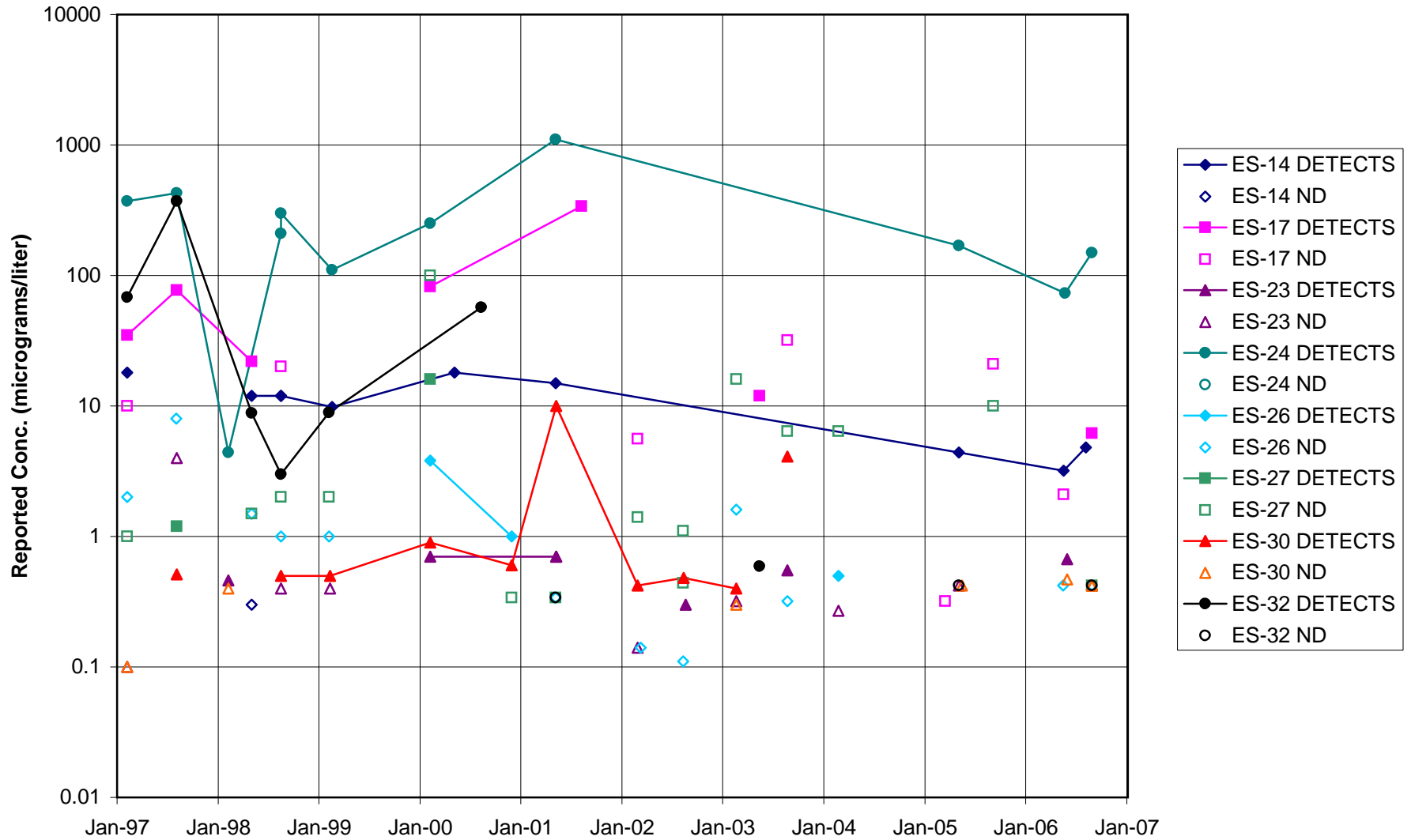


FIGURE F-36. 1,1-DCE in STL-IV AREA CHATSWORTH FORMATION WELLS

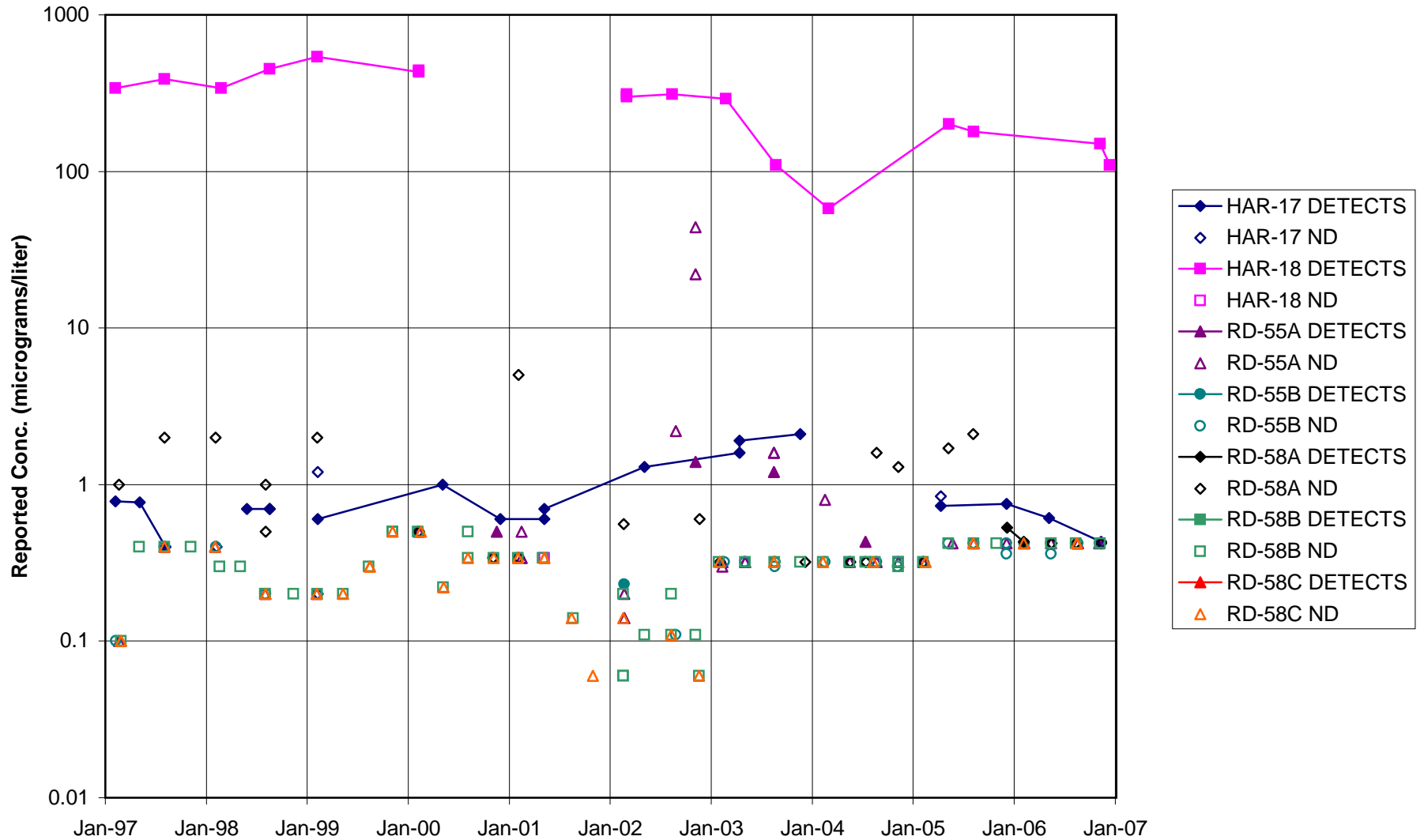


FIGURE F-37. 1,1-DCE in MAIN GATE AREA WELLS - 1

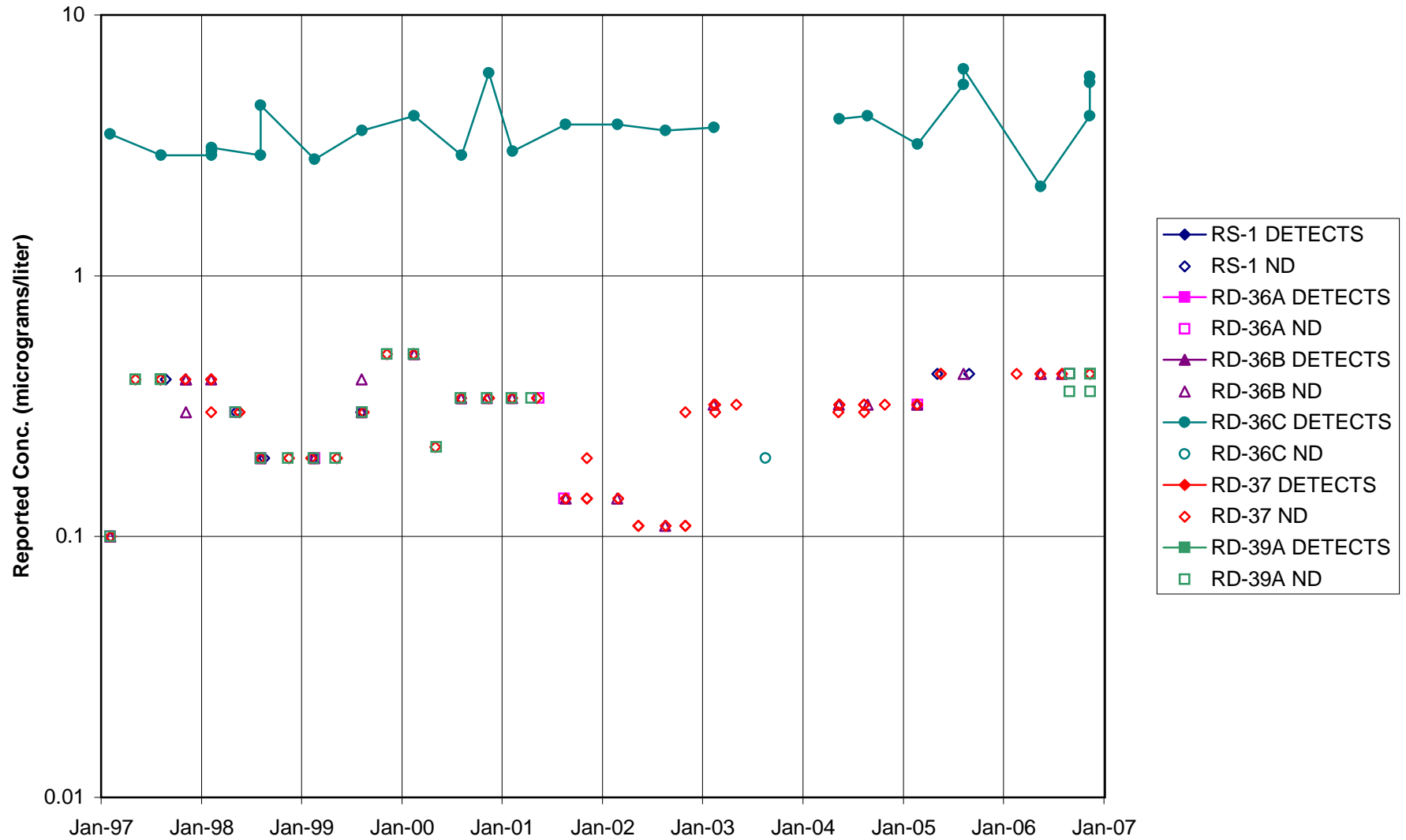


FIGURE F-38. 1,1-DCE in MAIN GATE AREA WELLS - 2

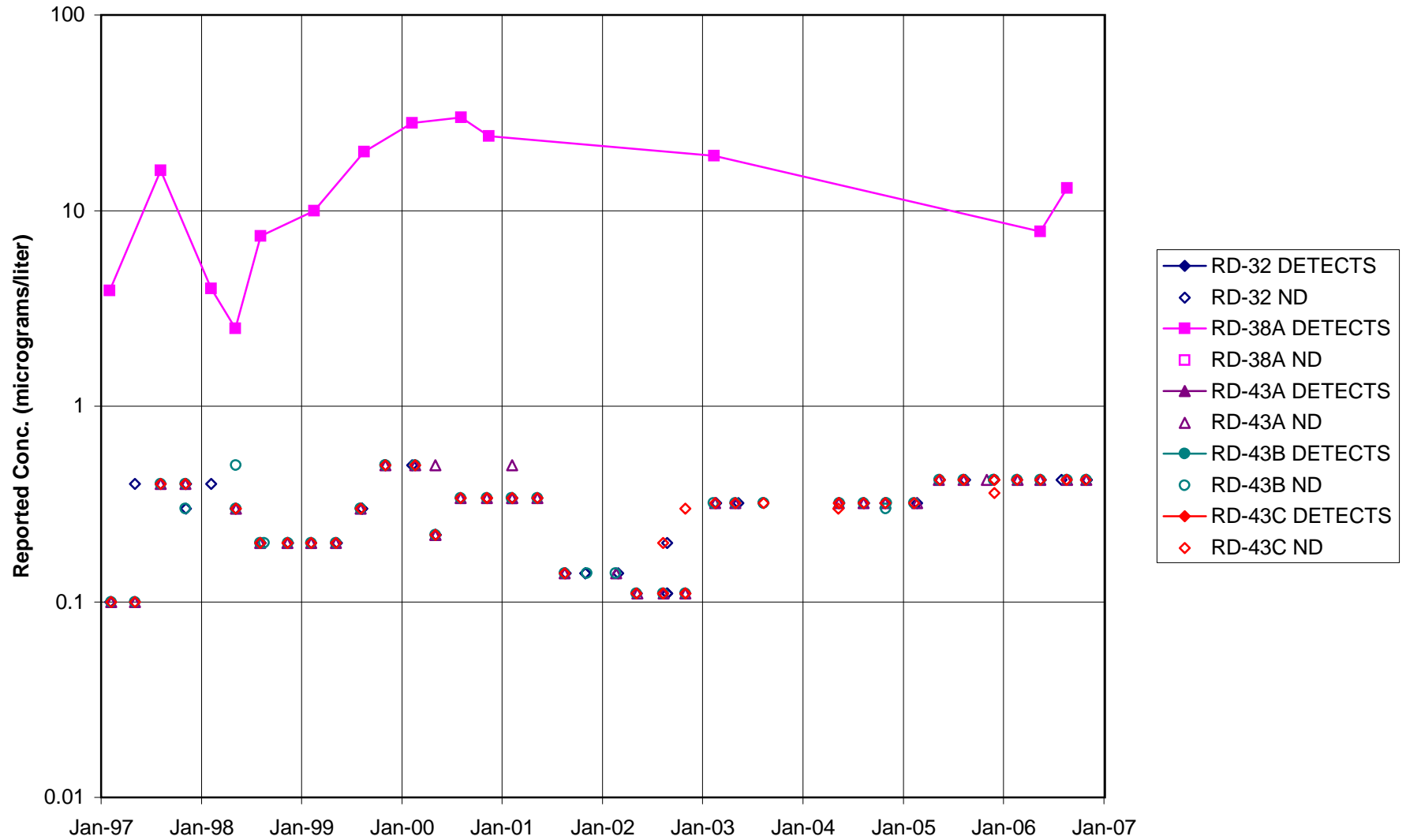


FIGURE F-39. 1,1-DCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

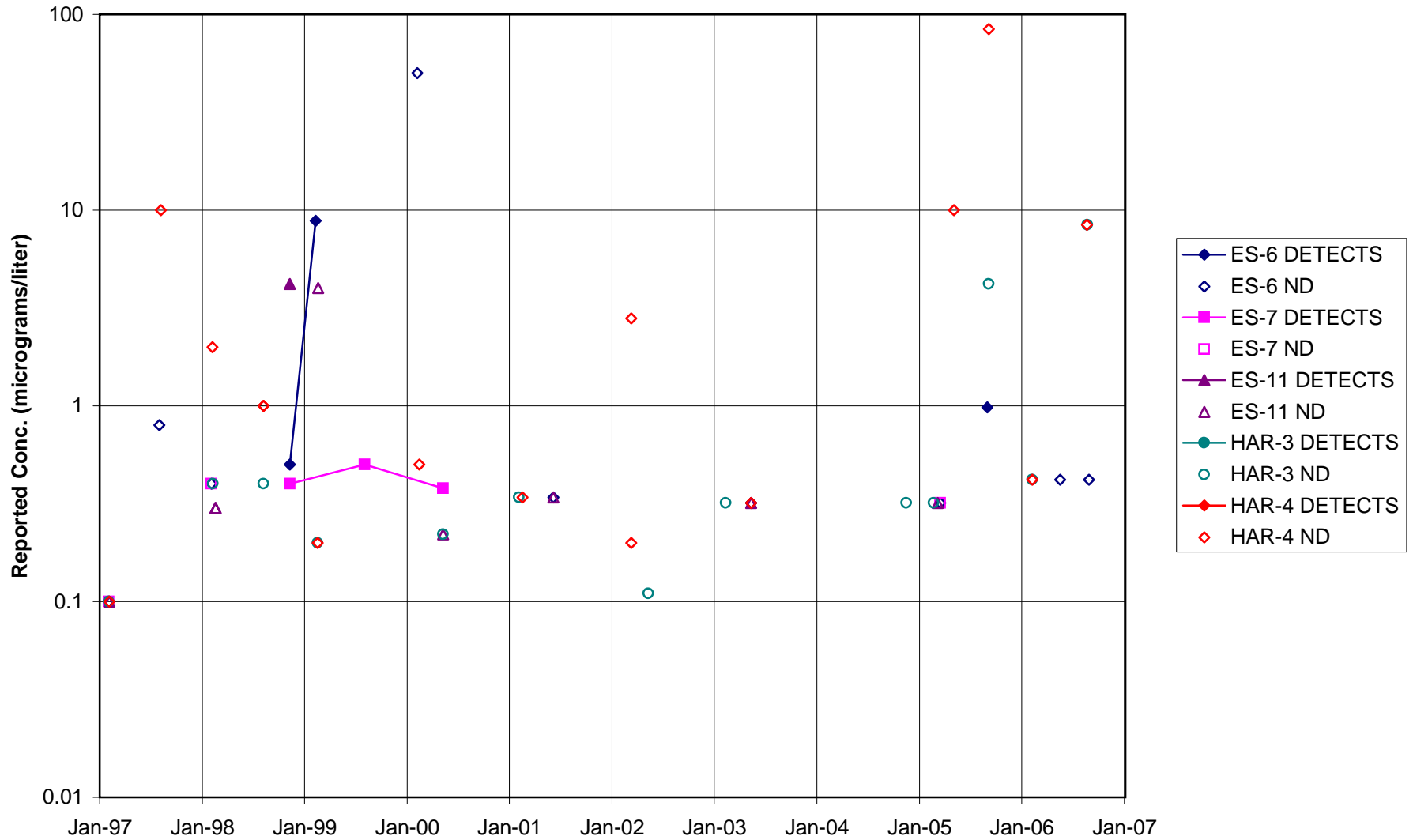


FIGURE F-40. 1,1-DCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

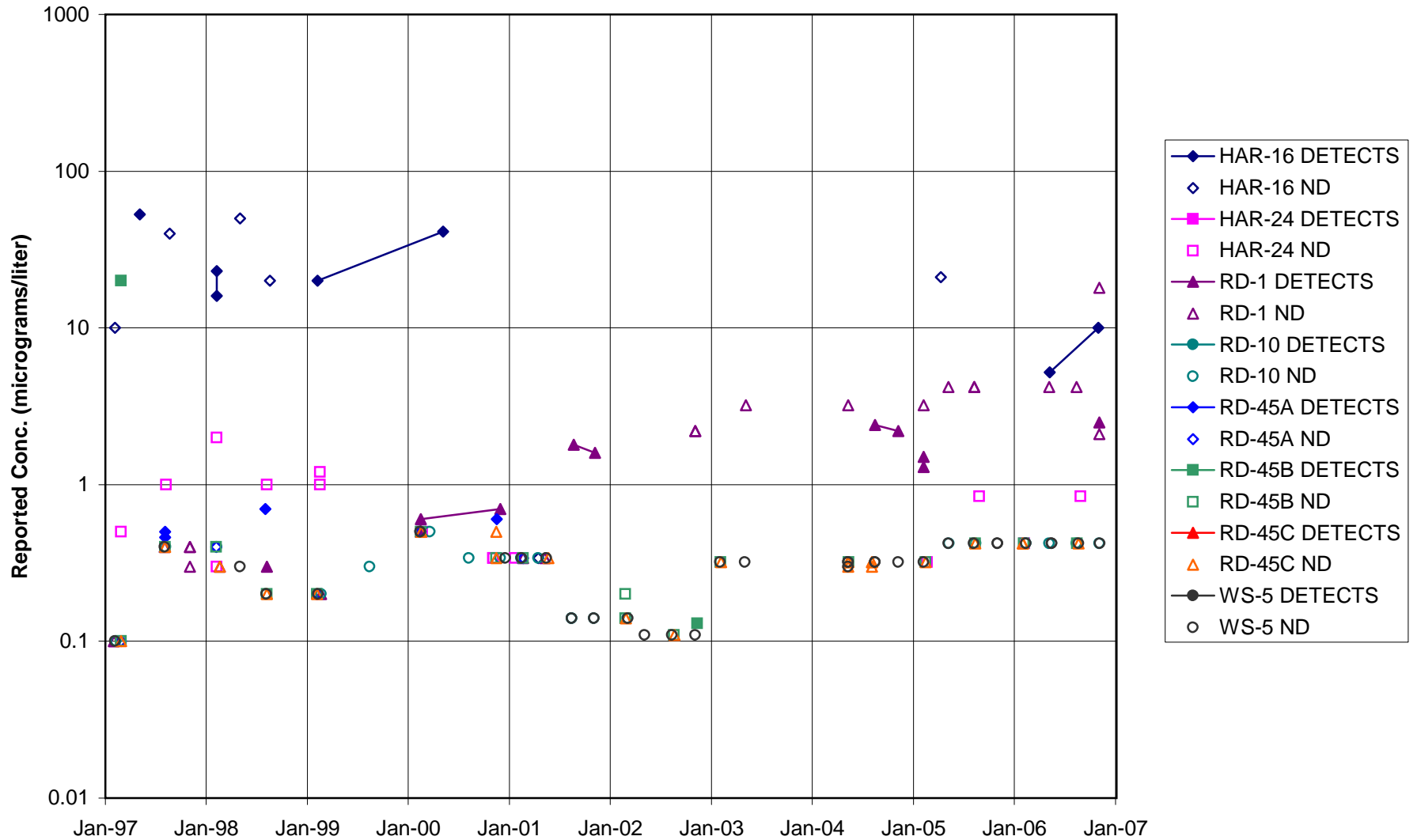


FIGURE F-41. 1,1-DCE in CTL-III / PERIMETER POND AREA WELLS

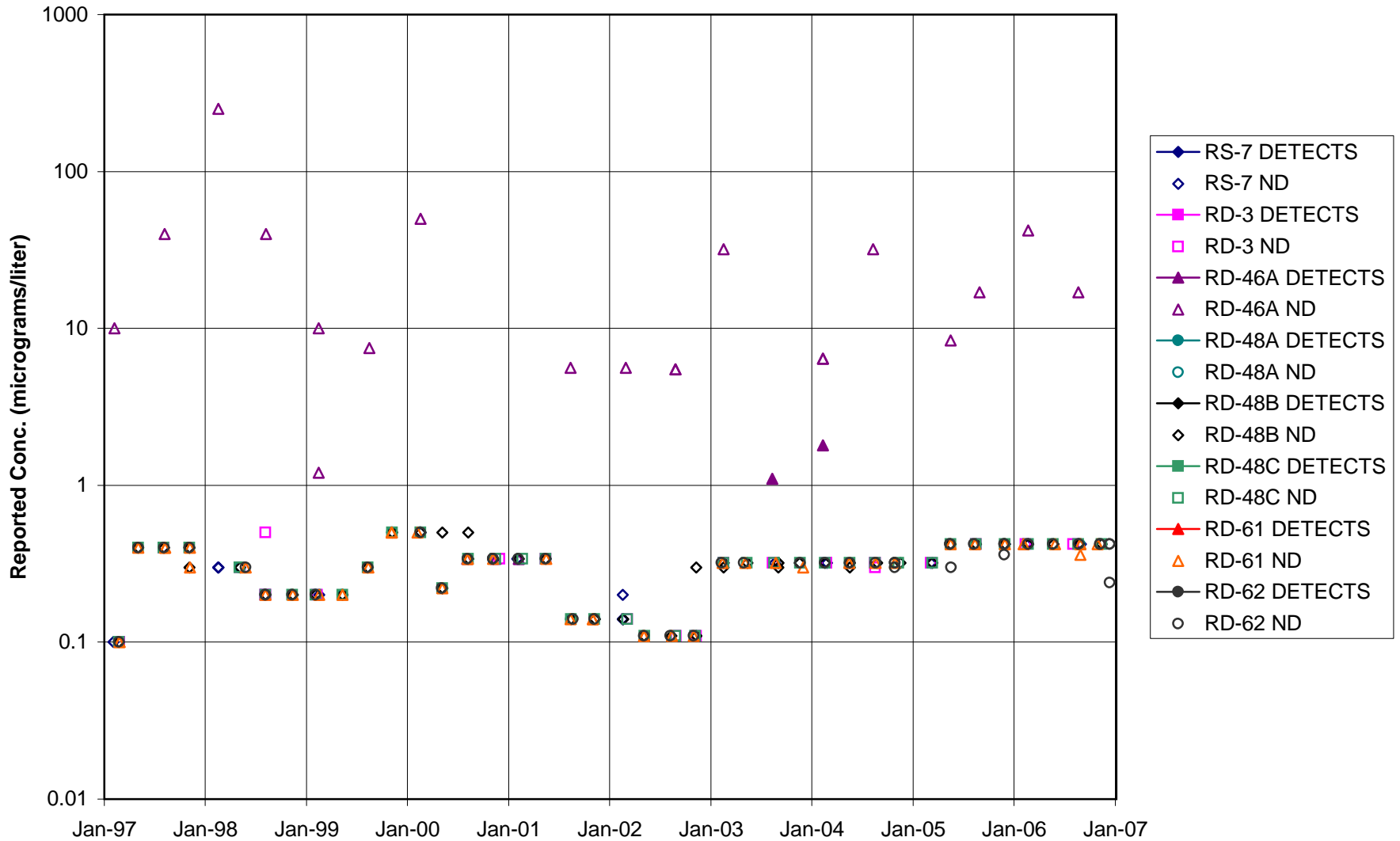


FIGURE F-42. 1,1-DCE in BOWL AREA WELLS

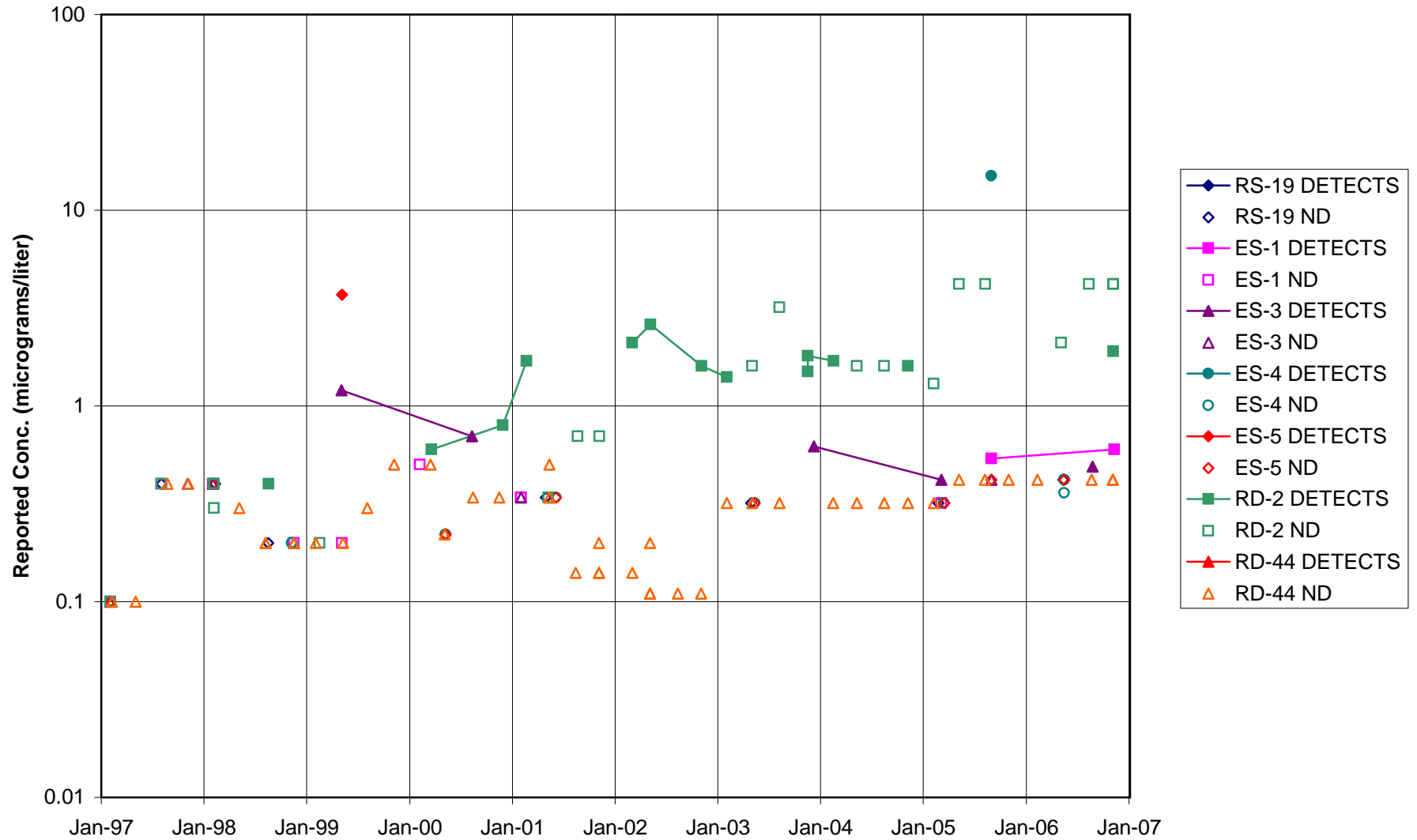


FIGURE F-43. 1,1-DCE in ECL AREA WELLS

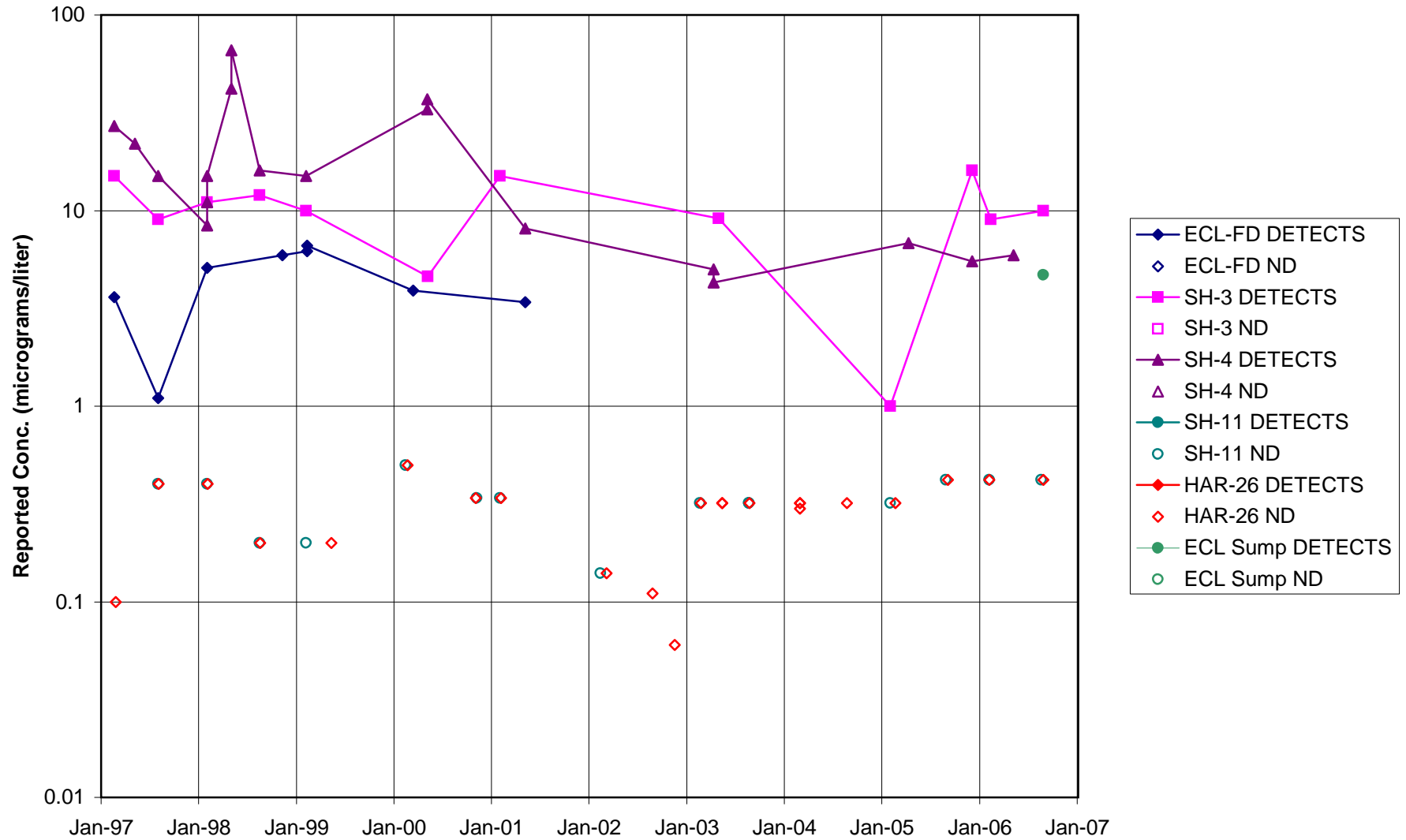


FIGURE F-44. 1,1-DCE in FORMER LOX PLANT AREA WELLS



FIGURE F-45. 1,1-DCE in RD-09 AREA WELLS

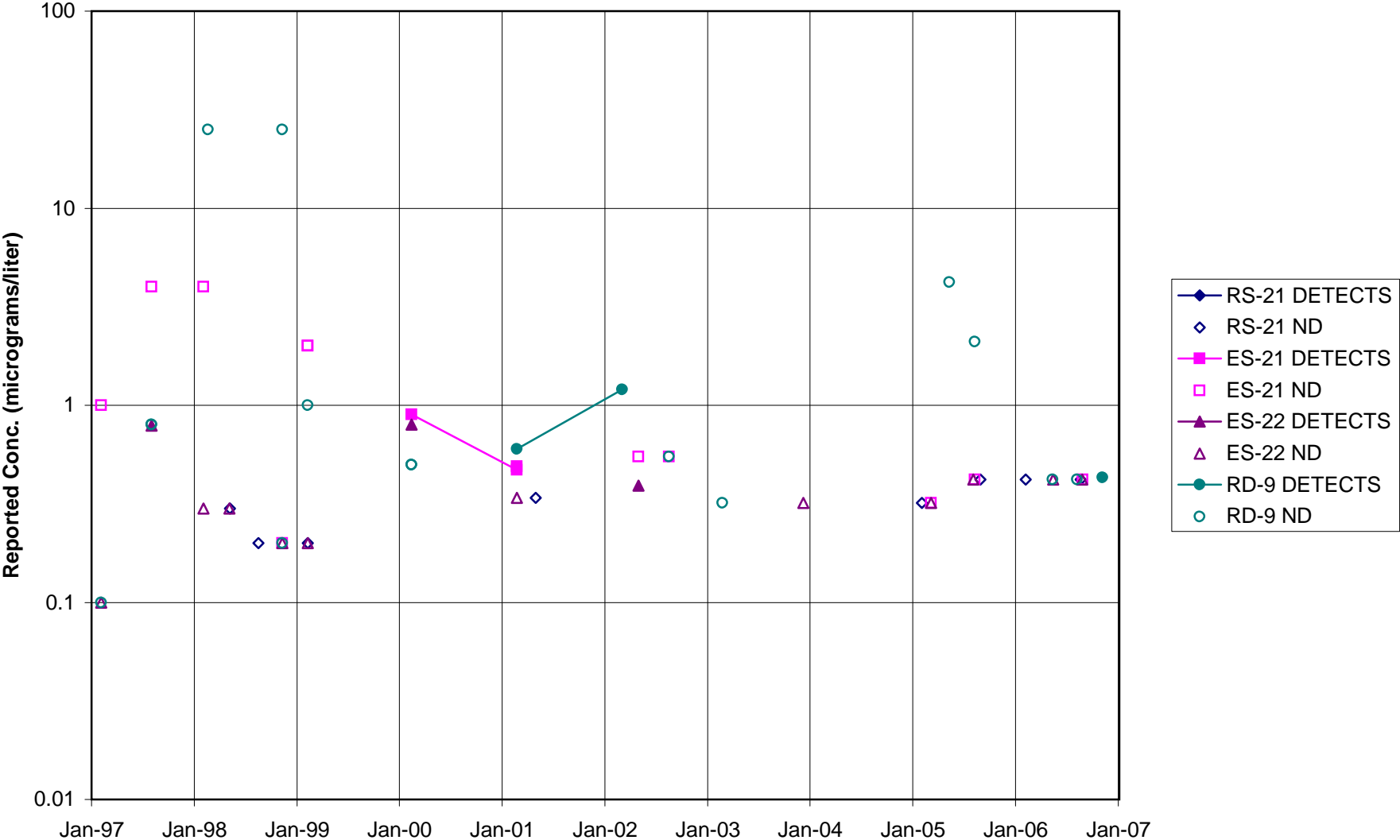


FIGURE F-46. 1,1-DCE in HELIPORT, B/204 AREA WELLS

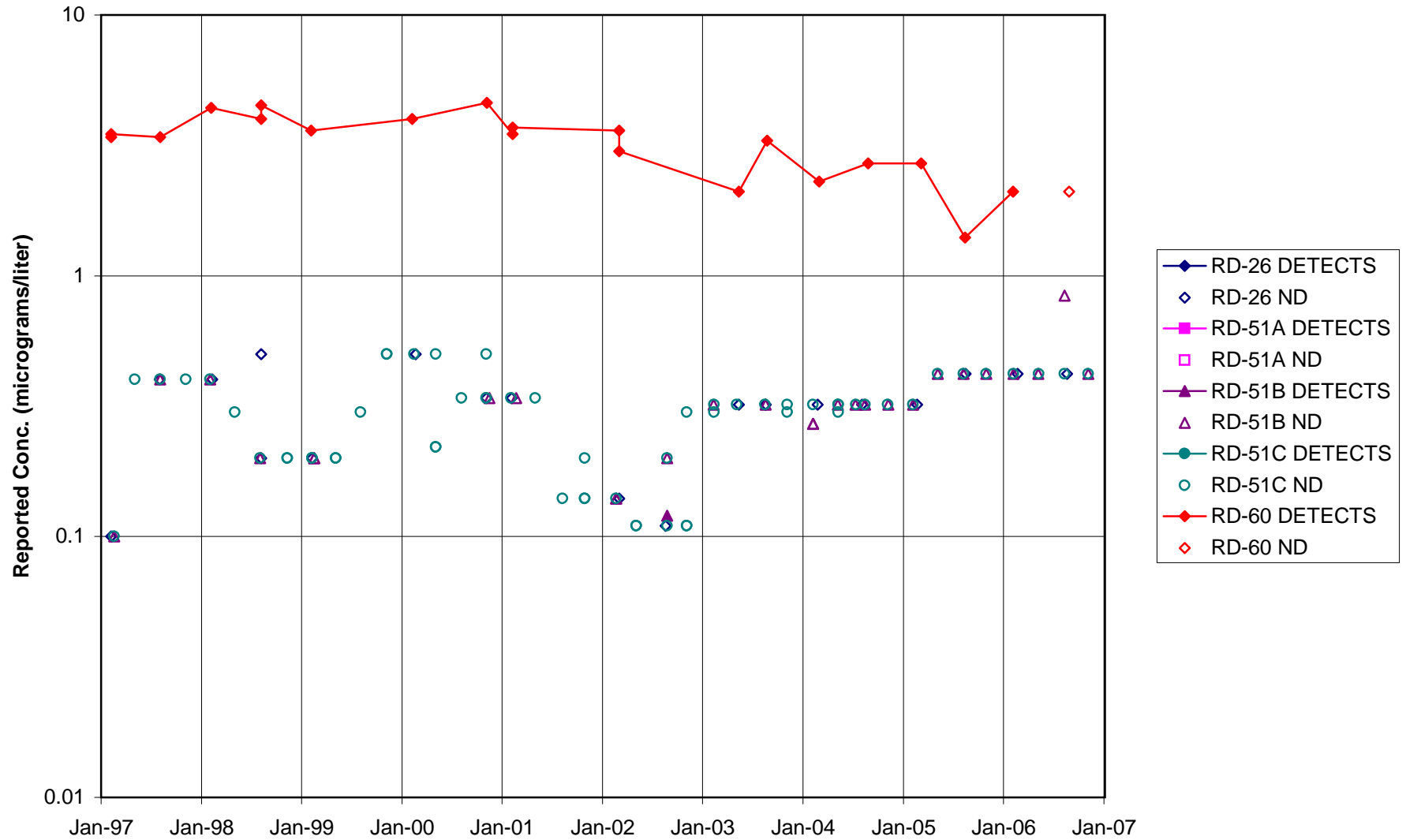


FIGURE F-47. 1,1-DCE in ALFA / BRAVO AREA WELLS

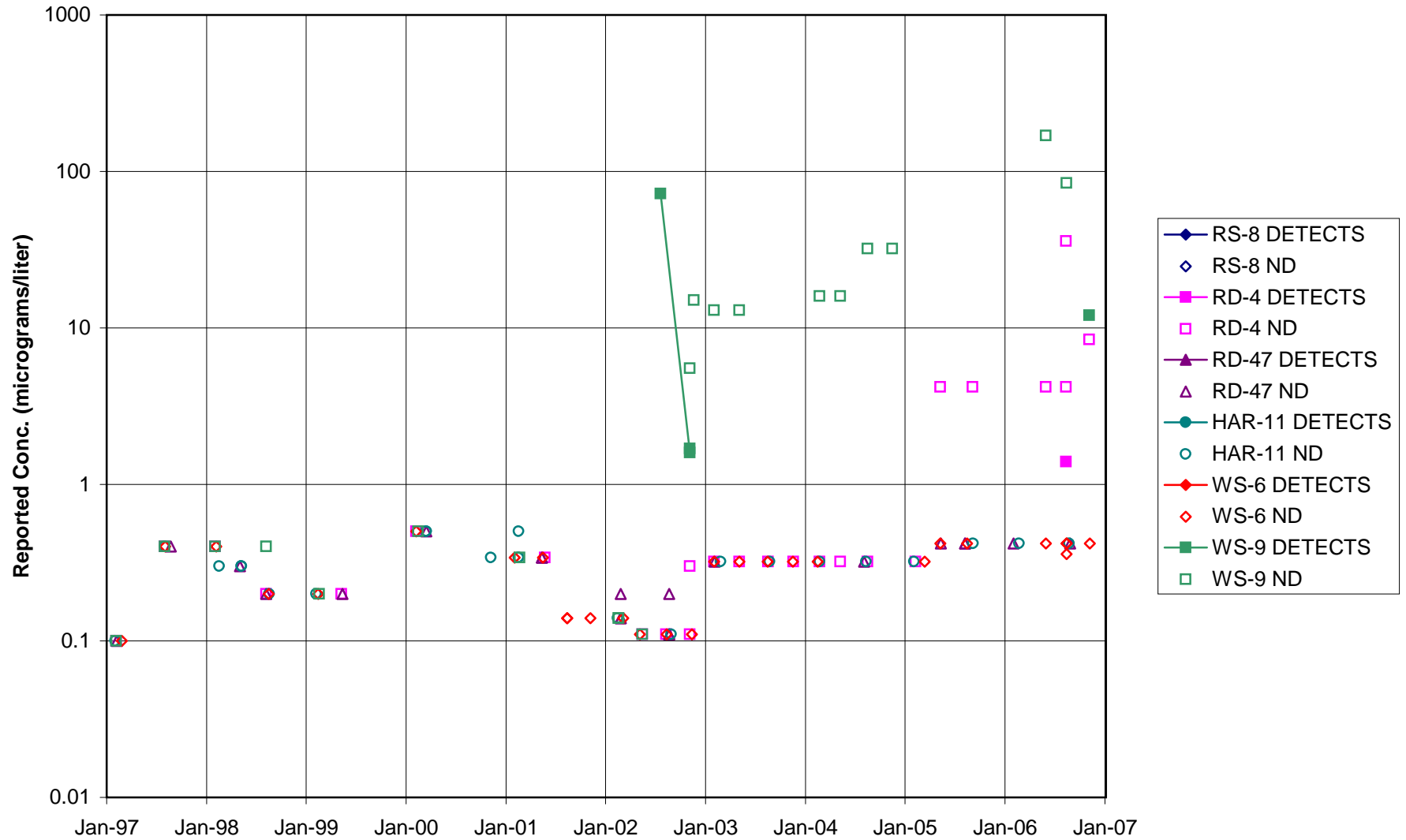


FIGURE F-48. 1,1-DCE in SPA AREA WELLS

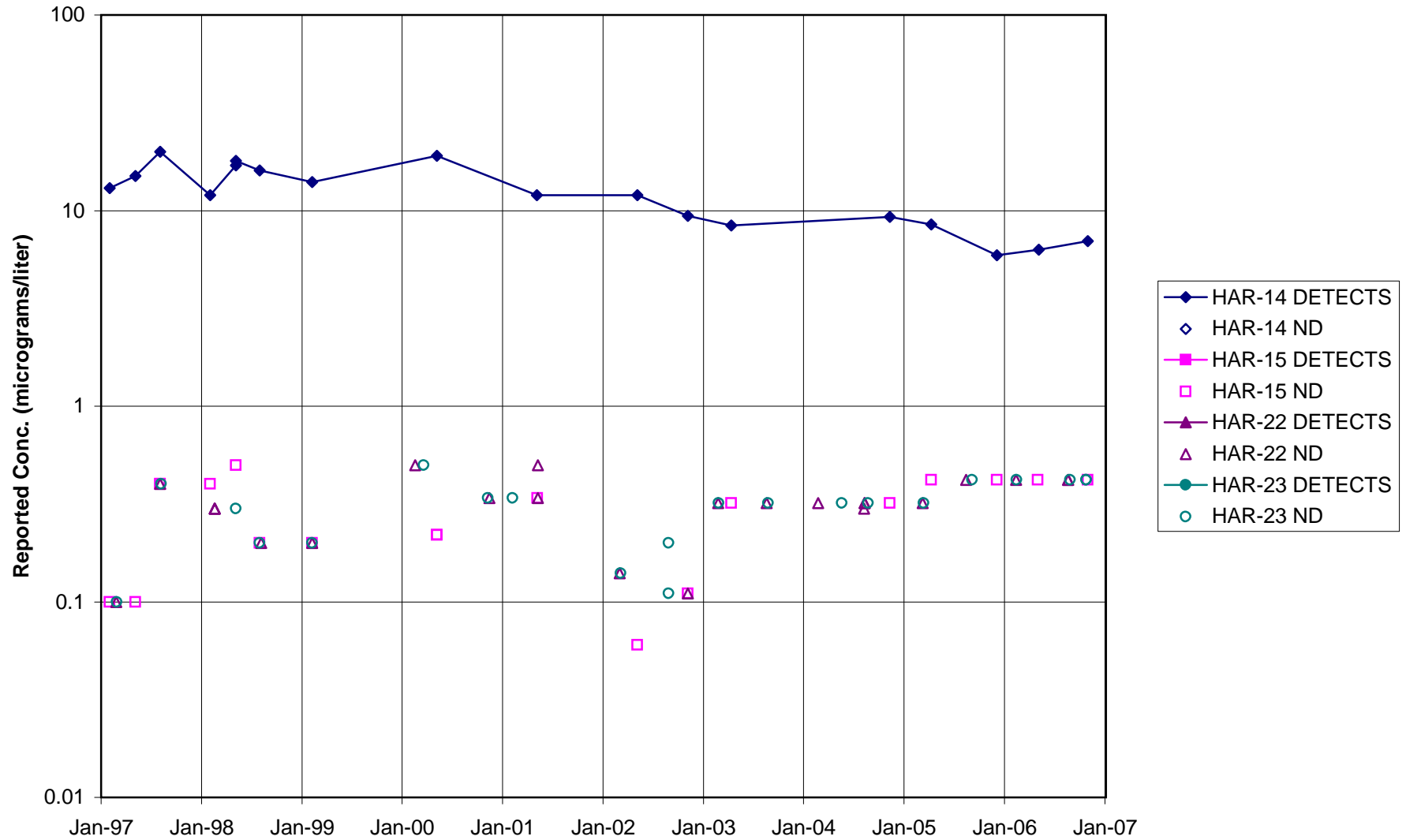


FIGURE F-49. 1,1-DCE in COCA / PLF AREA WELLS

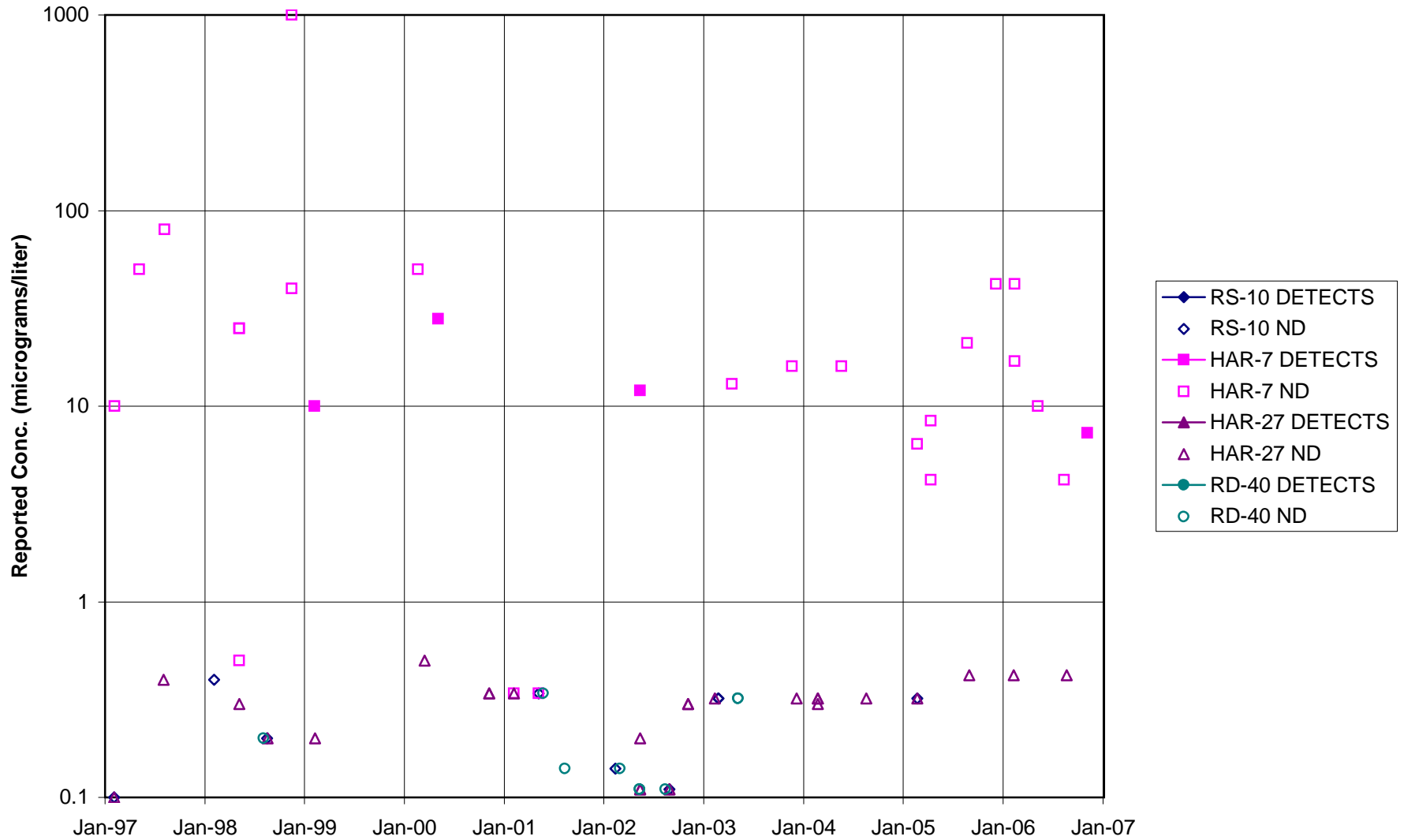


FIGURE F-50. 1,1-DCE in DELTA / BUFFER ZONE AREA WELLS



FIGURE F-51. 1,1-DCE in AREA IV WELLS

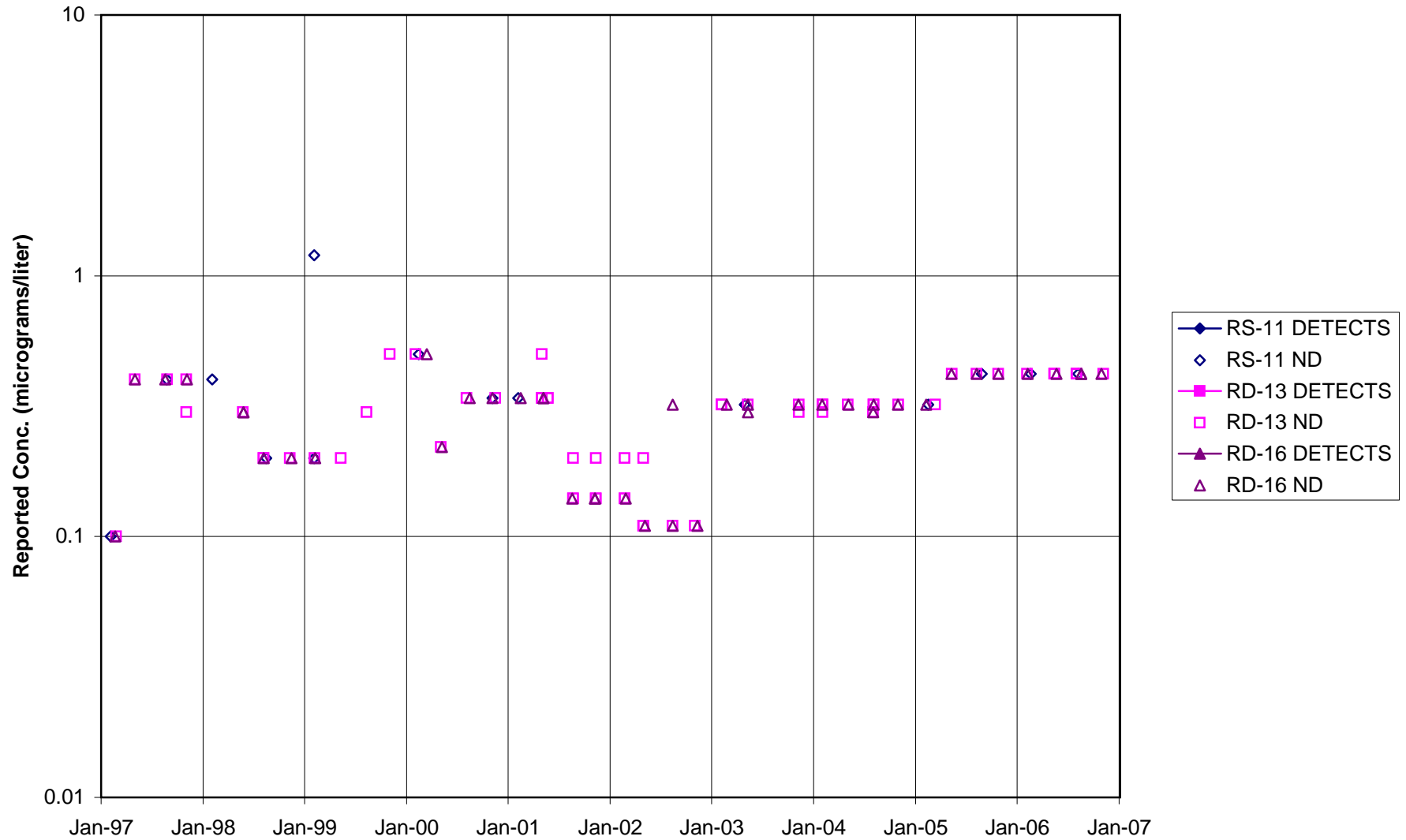


FIGURE F-52. 1,1-DCA IN STL-IV AREA SHALLOW WELLS

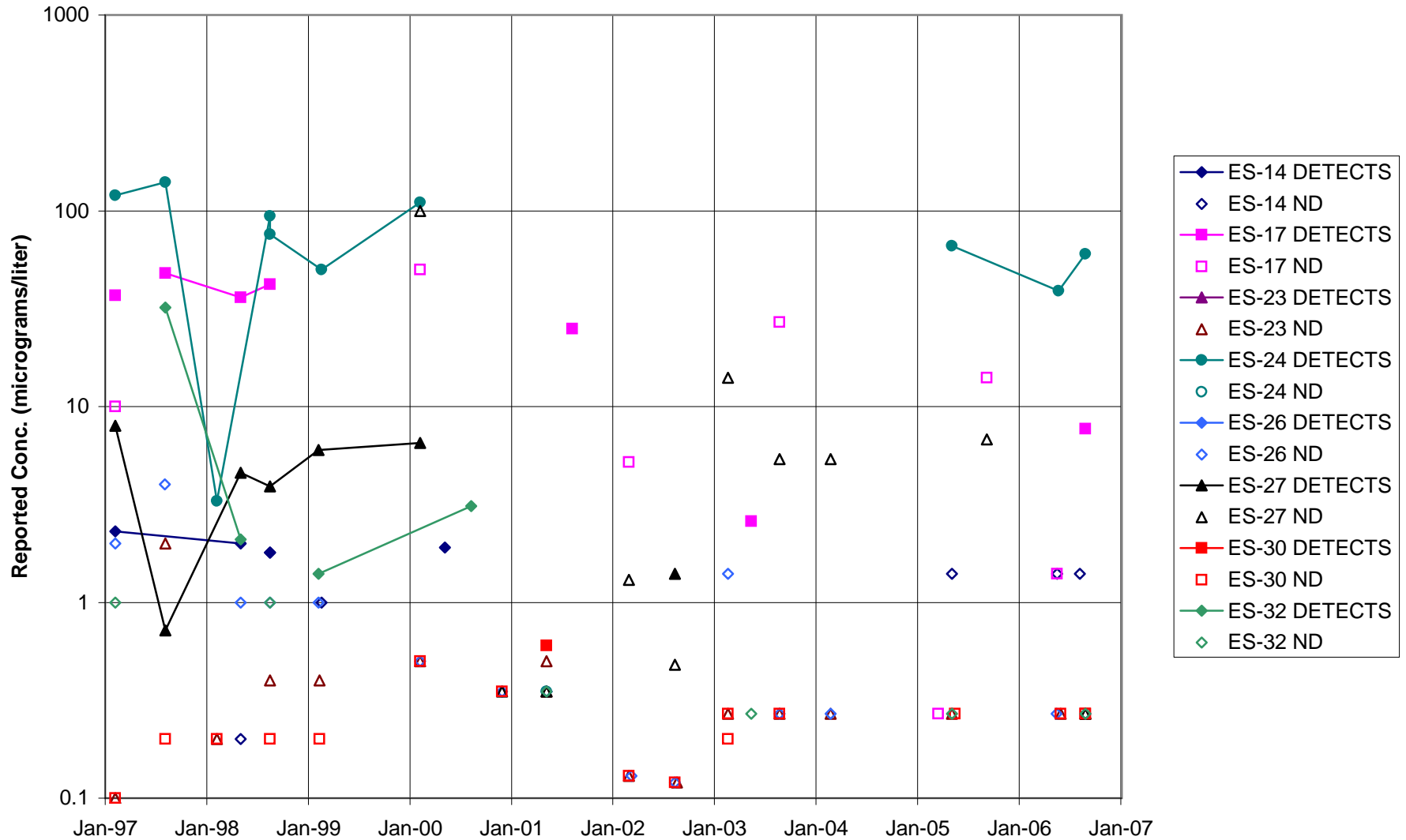


FIGURE F-53. 1,1-DCA IN STL-IV AREA CHATSWORTH FORMATION WELLS

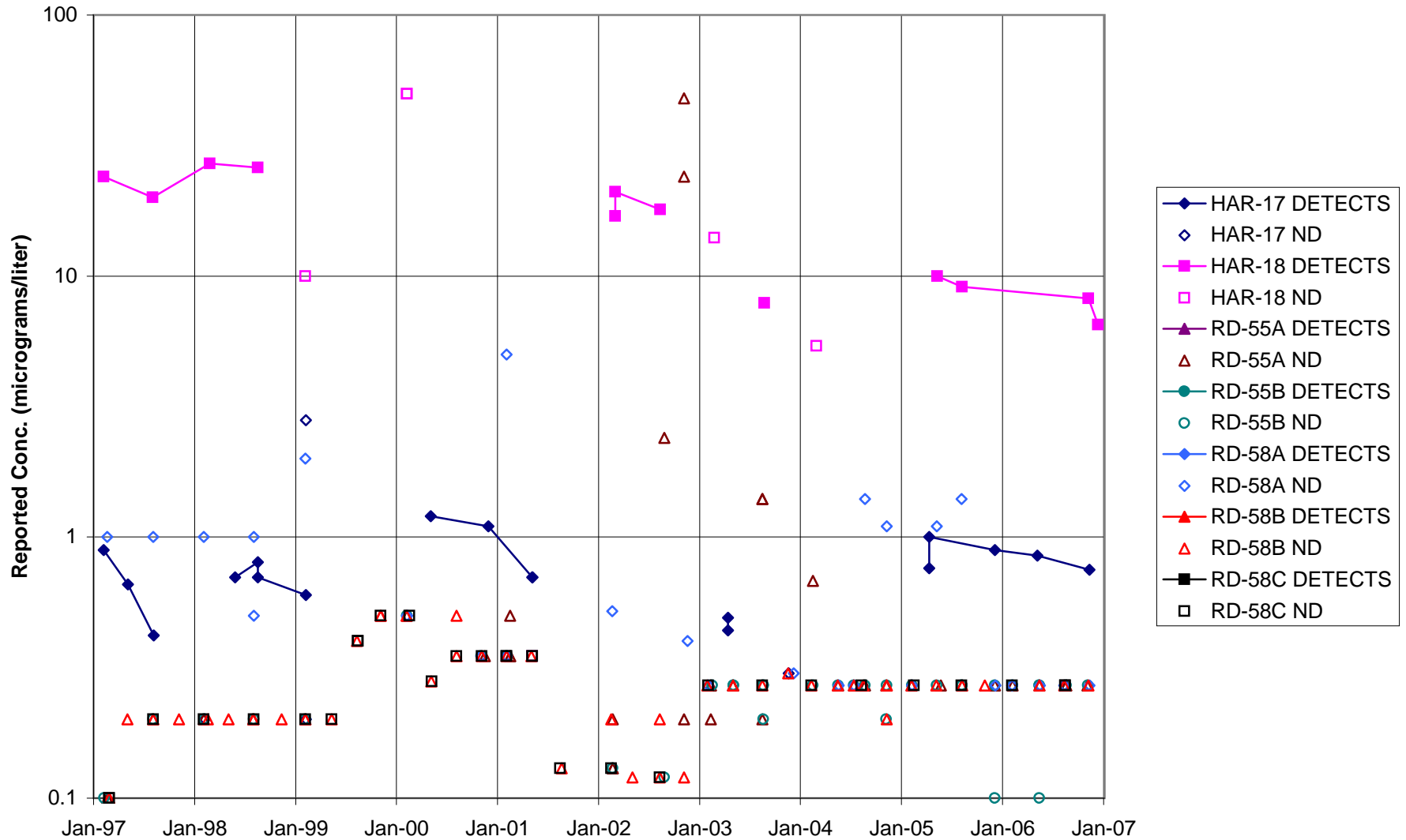


FIGURE F-54. 1,1-DCA IN MAIN GATE AREA WELLS - 1

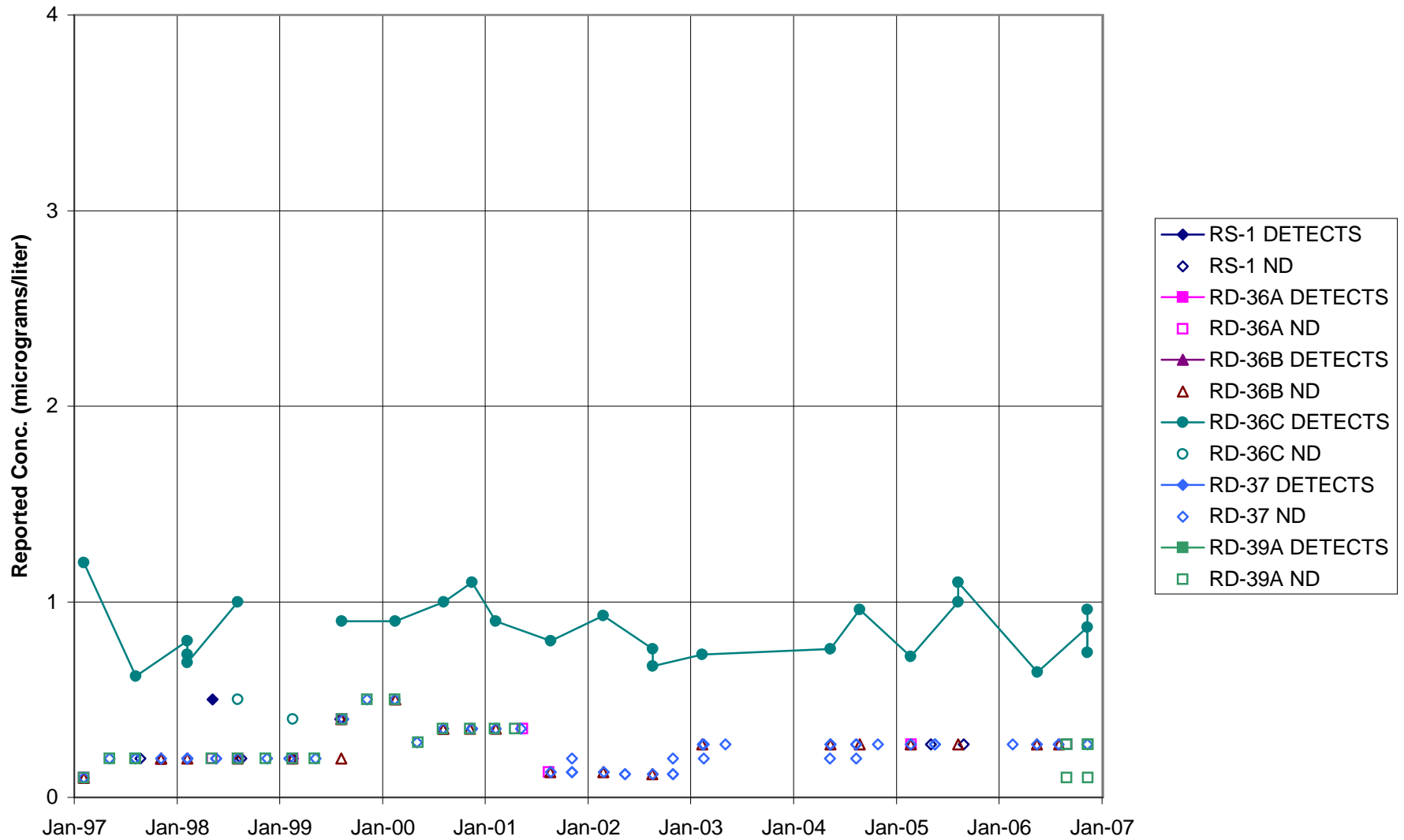


FIGURE F-55. 1,1-DCA IN MAIN GATE AREA WELLS - 2

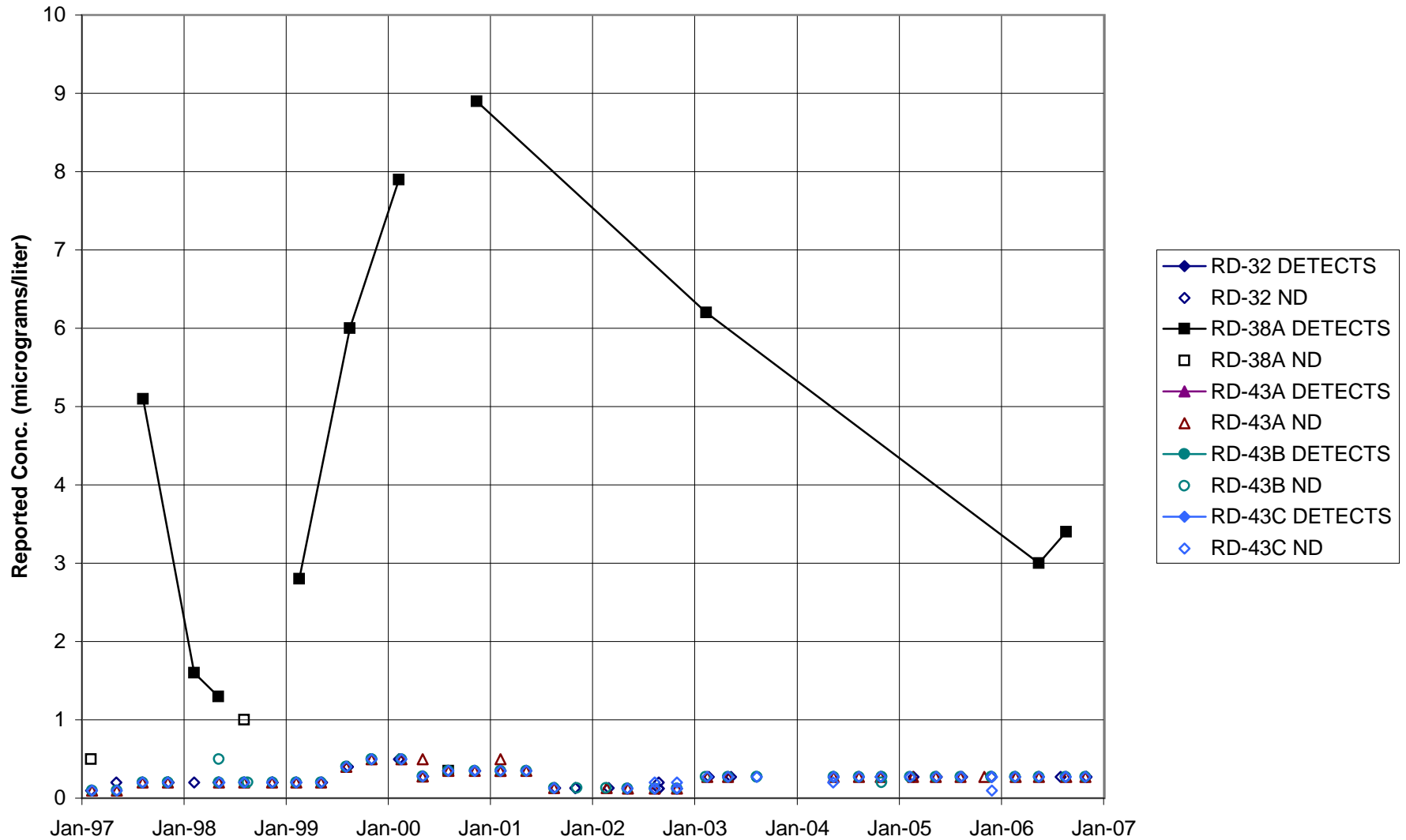


FIGURE F-56. 1,1-DCA IN APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

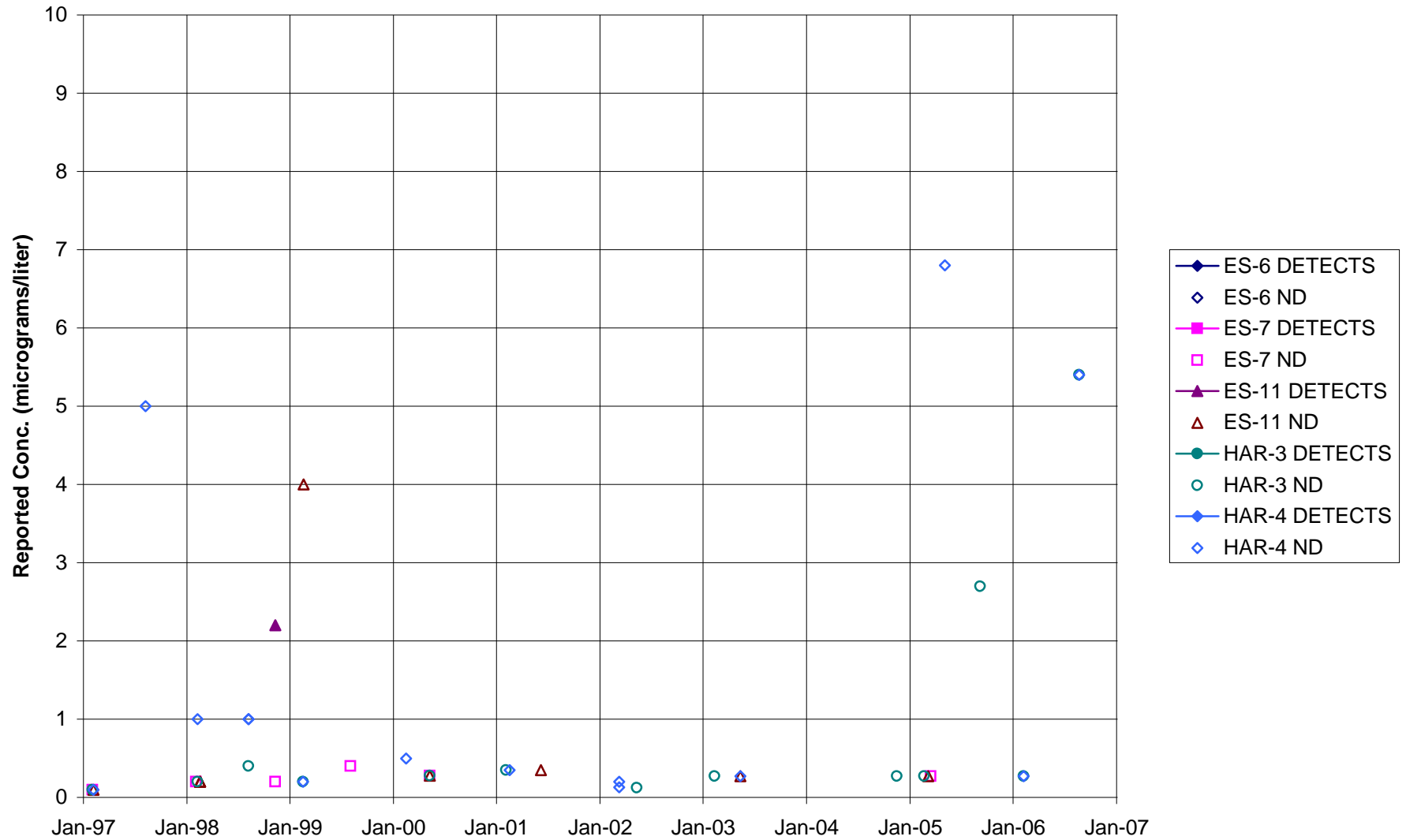


FIGURE F-57. 1,1-DCA IN APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

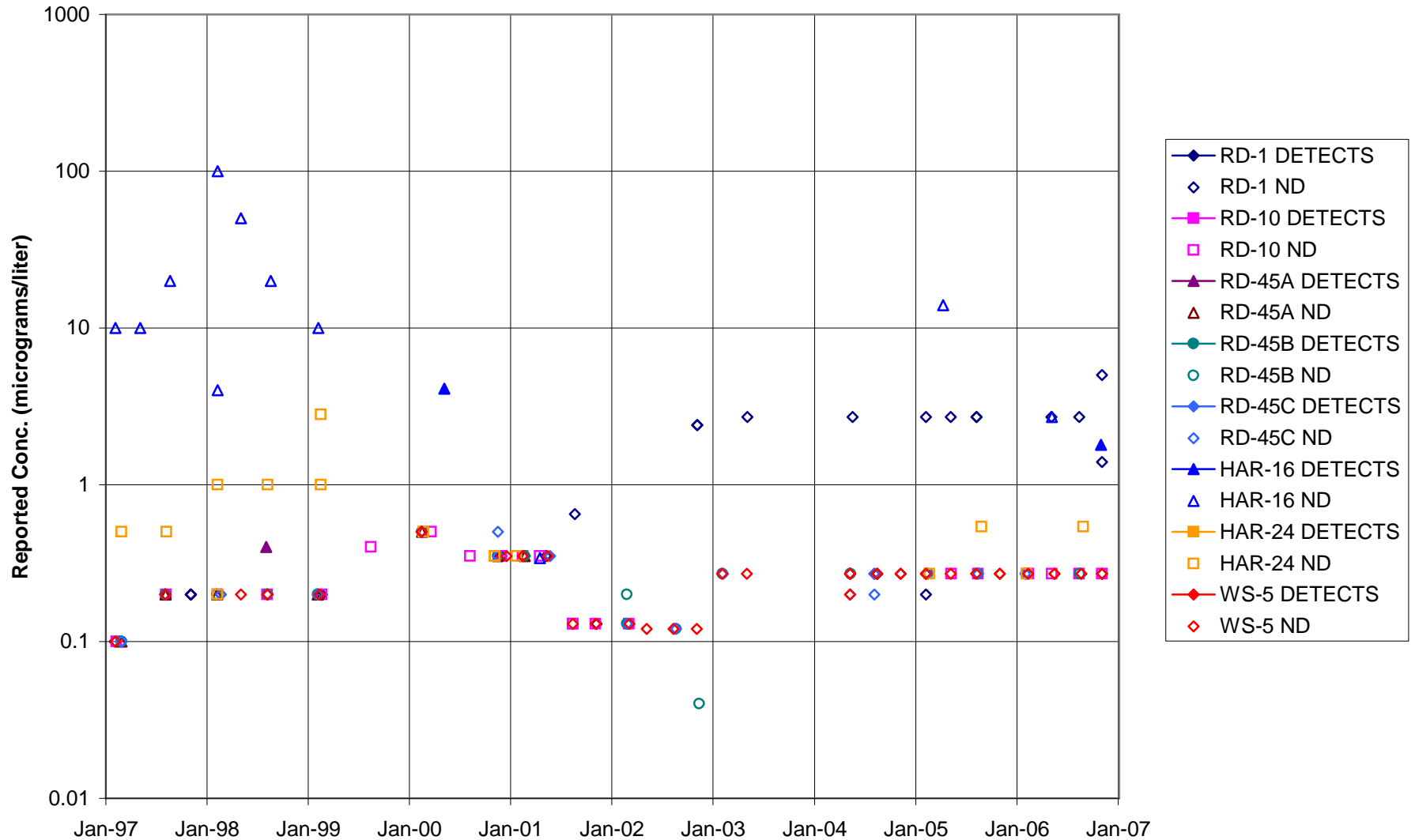


FIGURE F-58. 1,1-DCA IN CTL-III / PERIMETER POND AREA WELLS

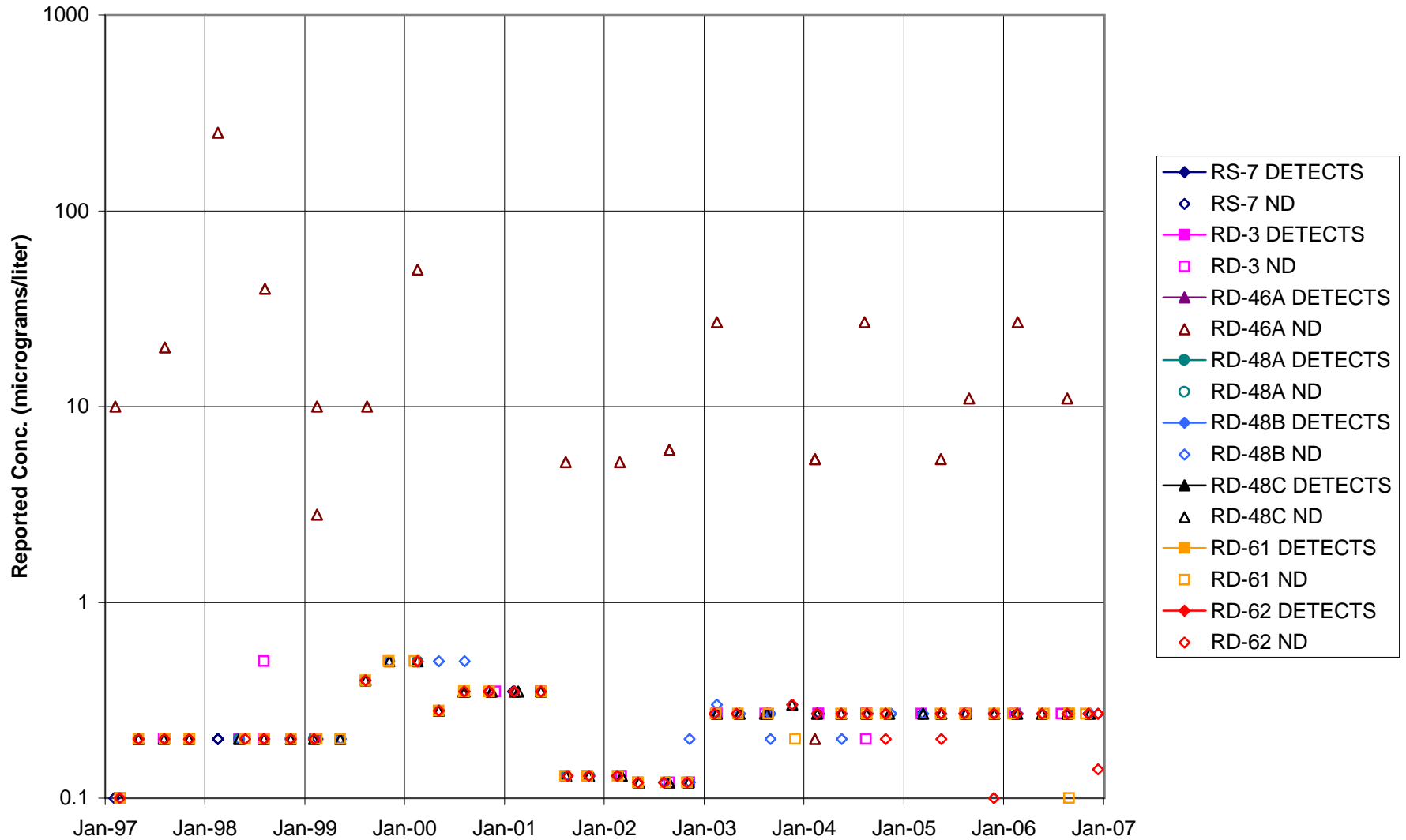


FIGURE F-59. 1,1-DCA IN BOWL AREA WELLS

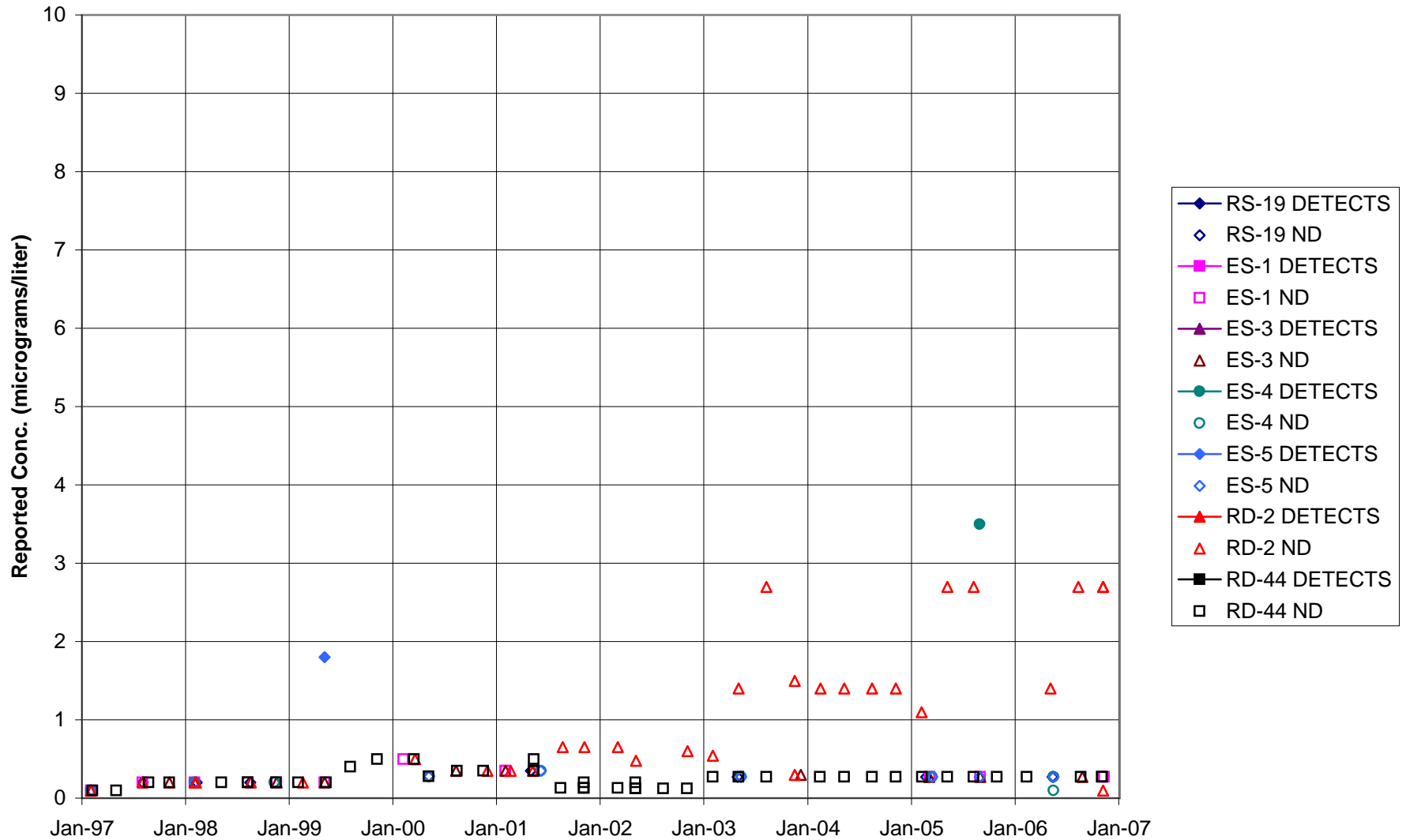


FIGURE F-60. 1,1-DCA IN ECL AREA WELLS

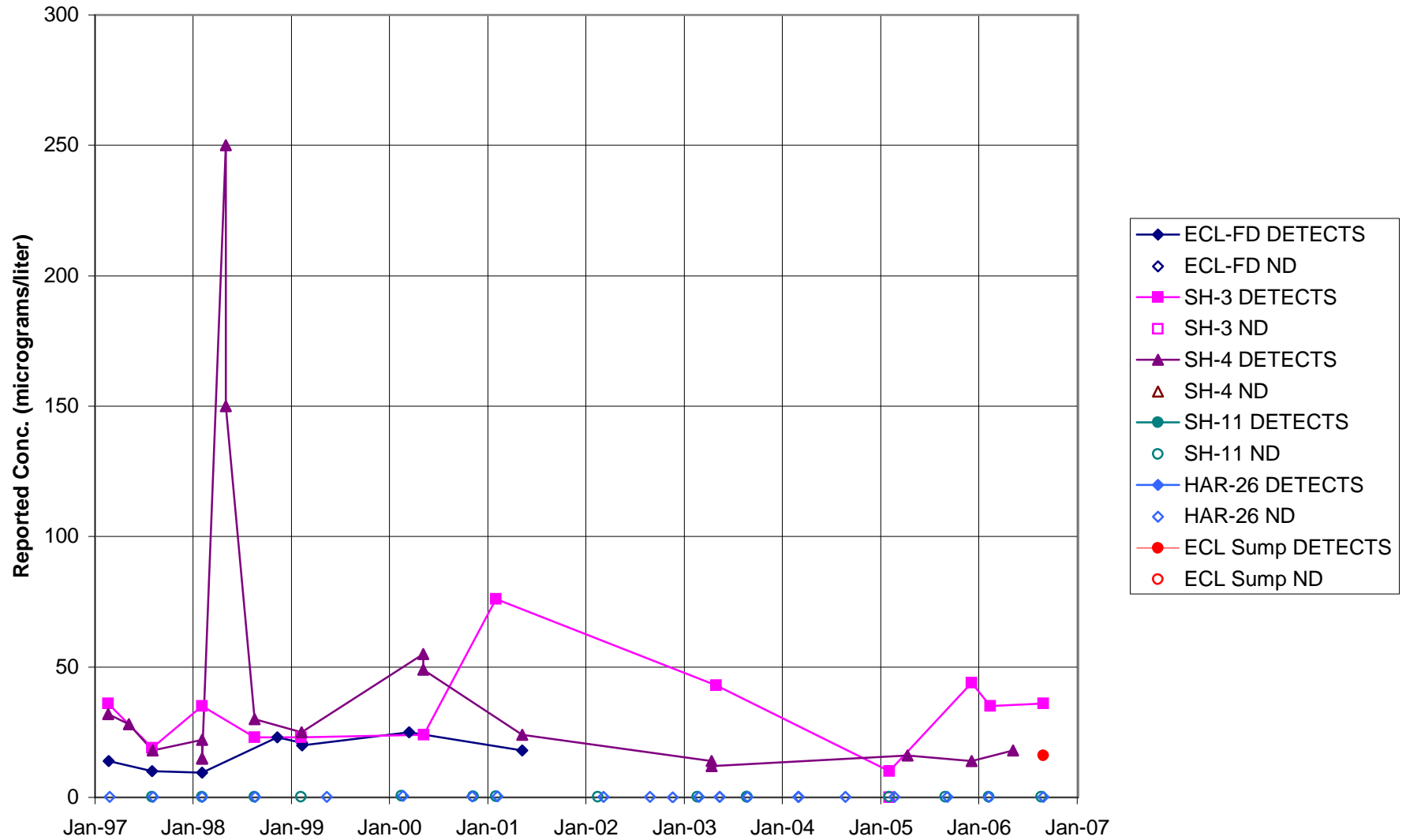


FIGURE F-61. 1,1-DCA IN FORMER LOX PLANT AREA WELLS

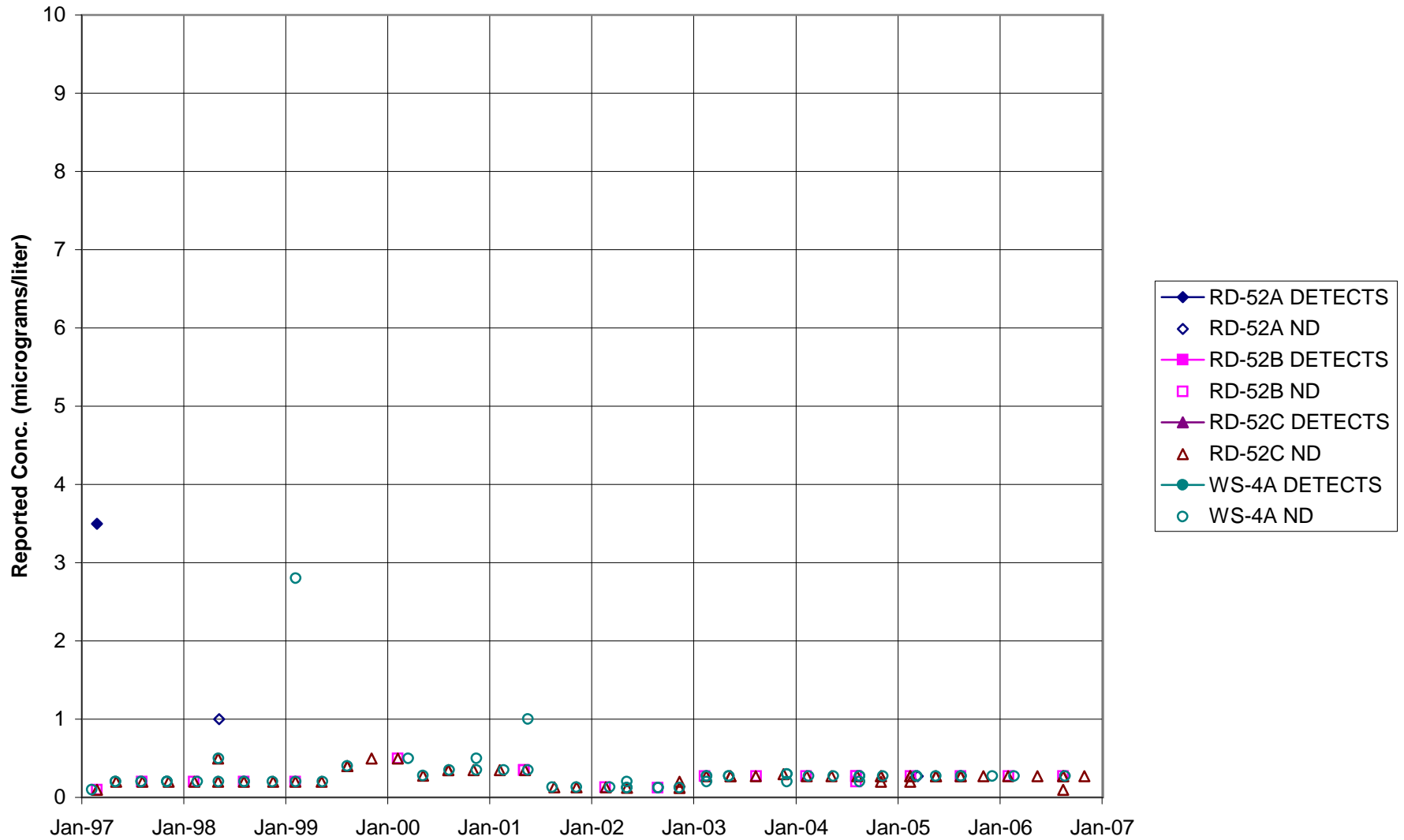


FIGURE F-62. 1,1-DCA IN RD-09 AREA WELLS

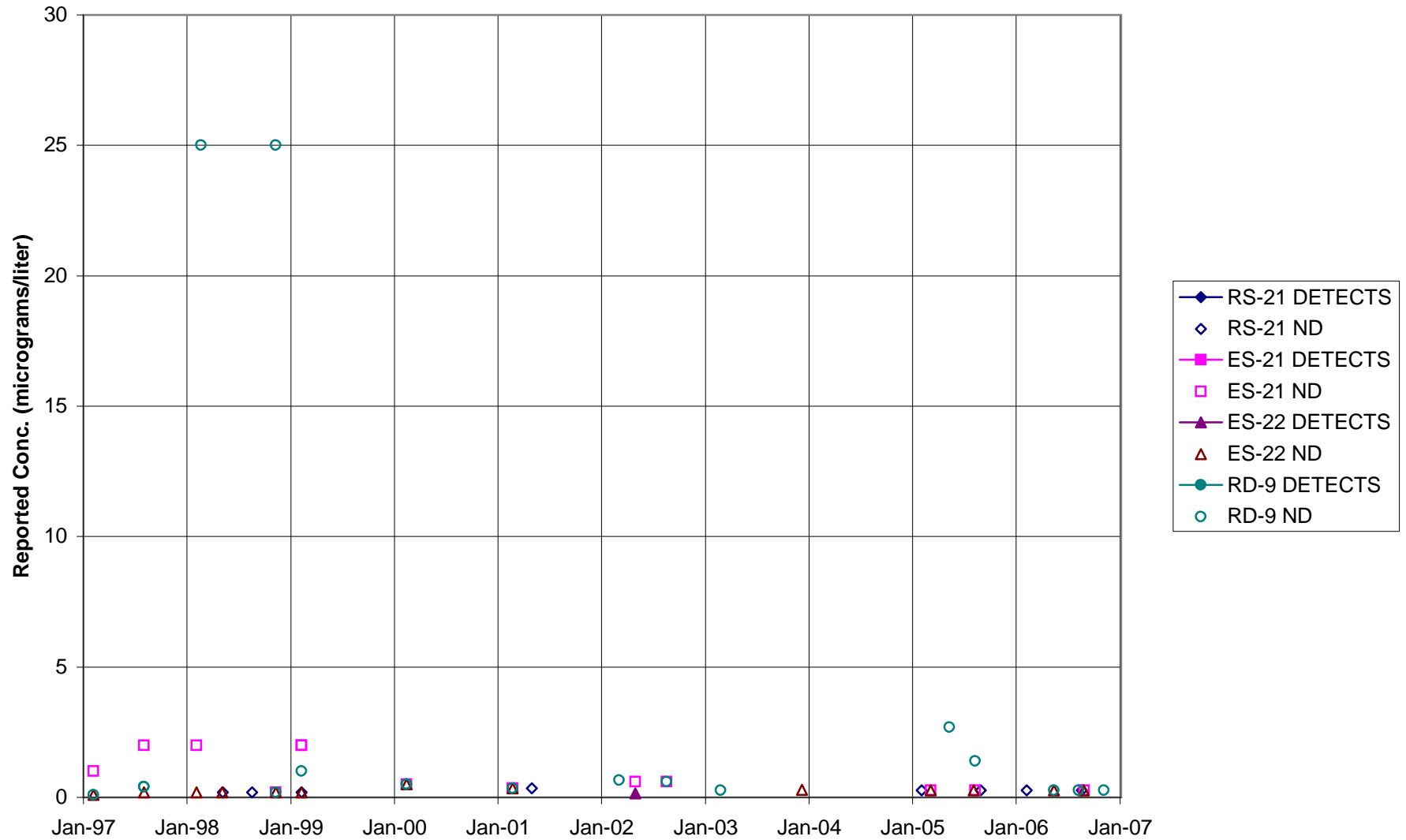


FIGURE F-63. 1,1-DCA IN HELIPORT, B/204 AREA WELLS

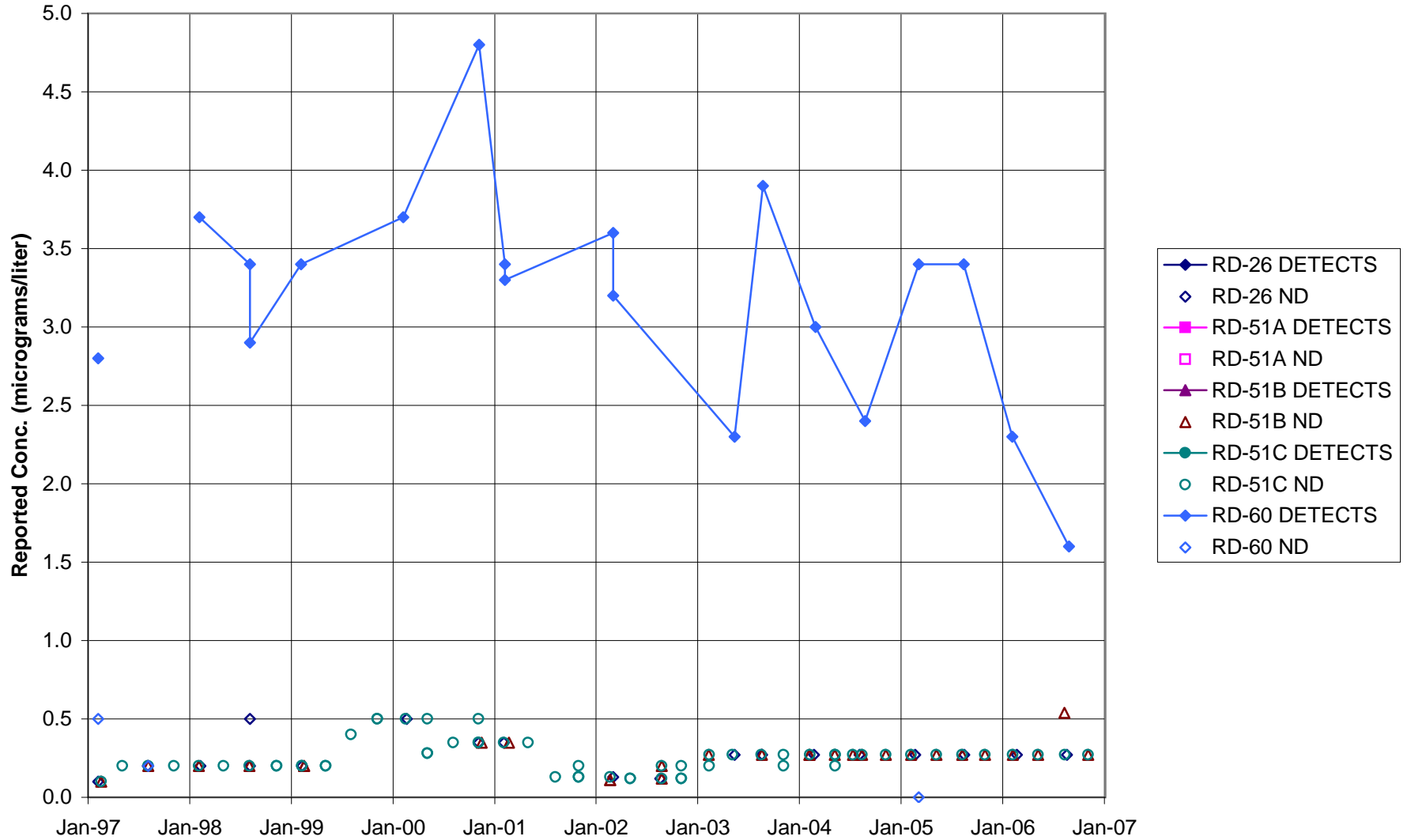


FIGURE F-65. 1,1-DCA IN SPA AREA WELLS

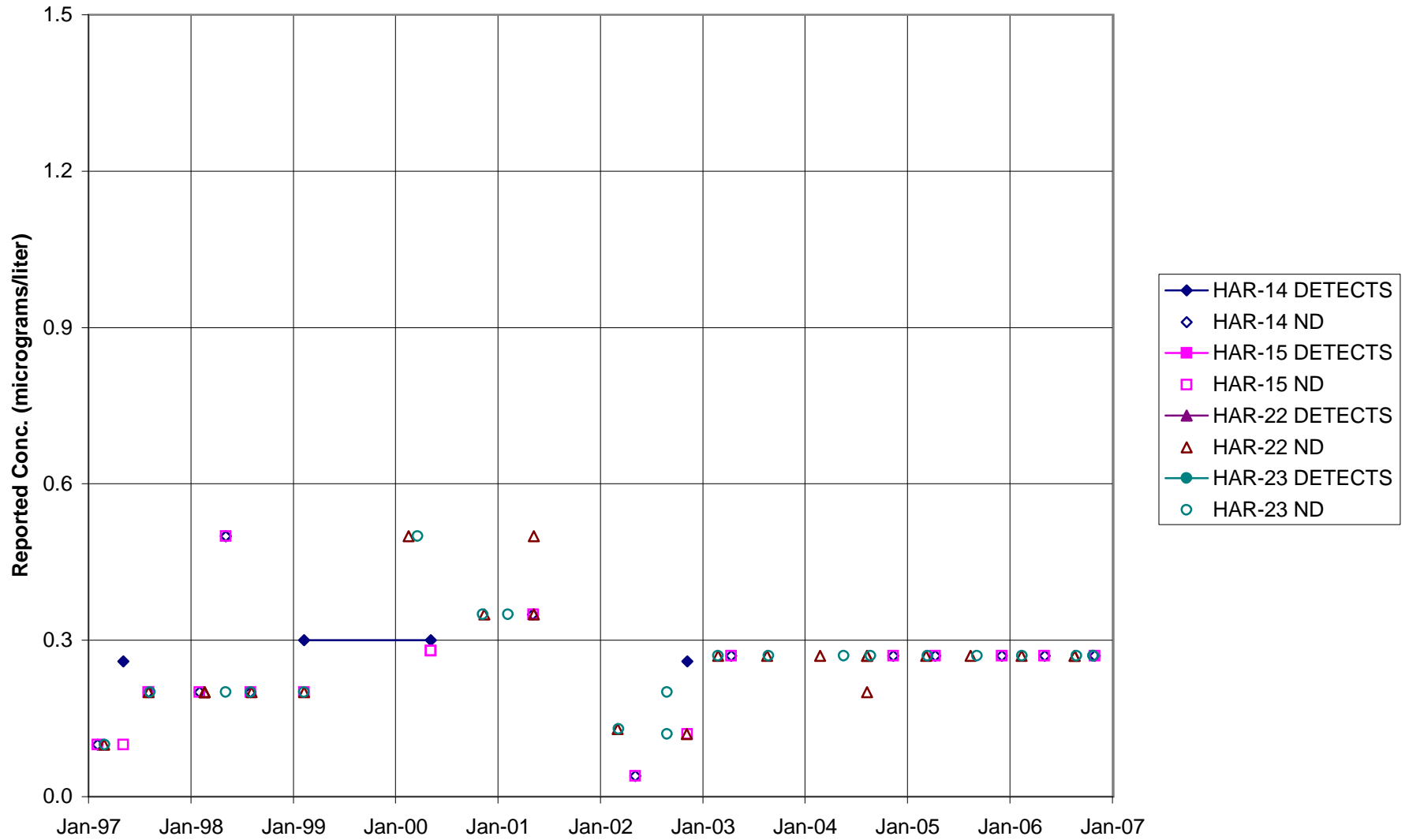


FIGURE F-66. 1,1-DCA IN COCA / PLF AREA WELLS

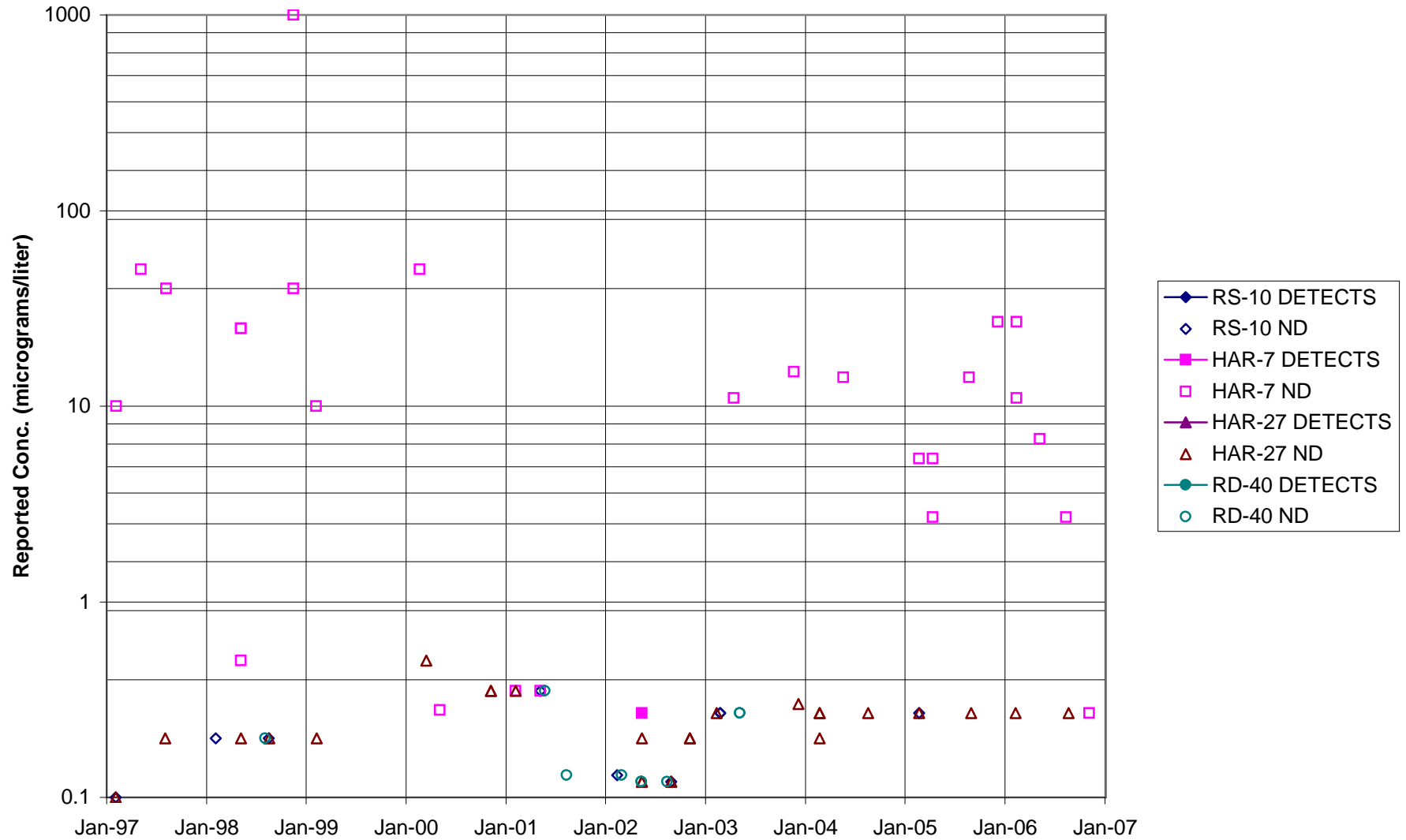


FIGURE F-67. 1,1-DCA IN DELTA / BUFFER ZONE AREA WELLS

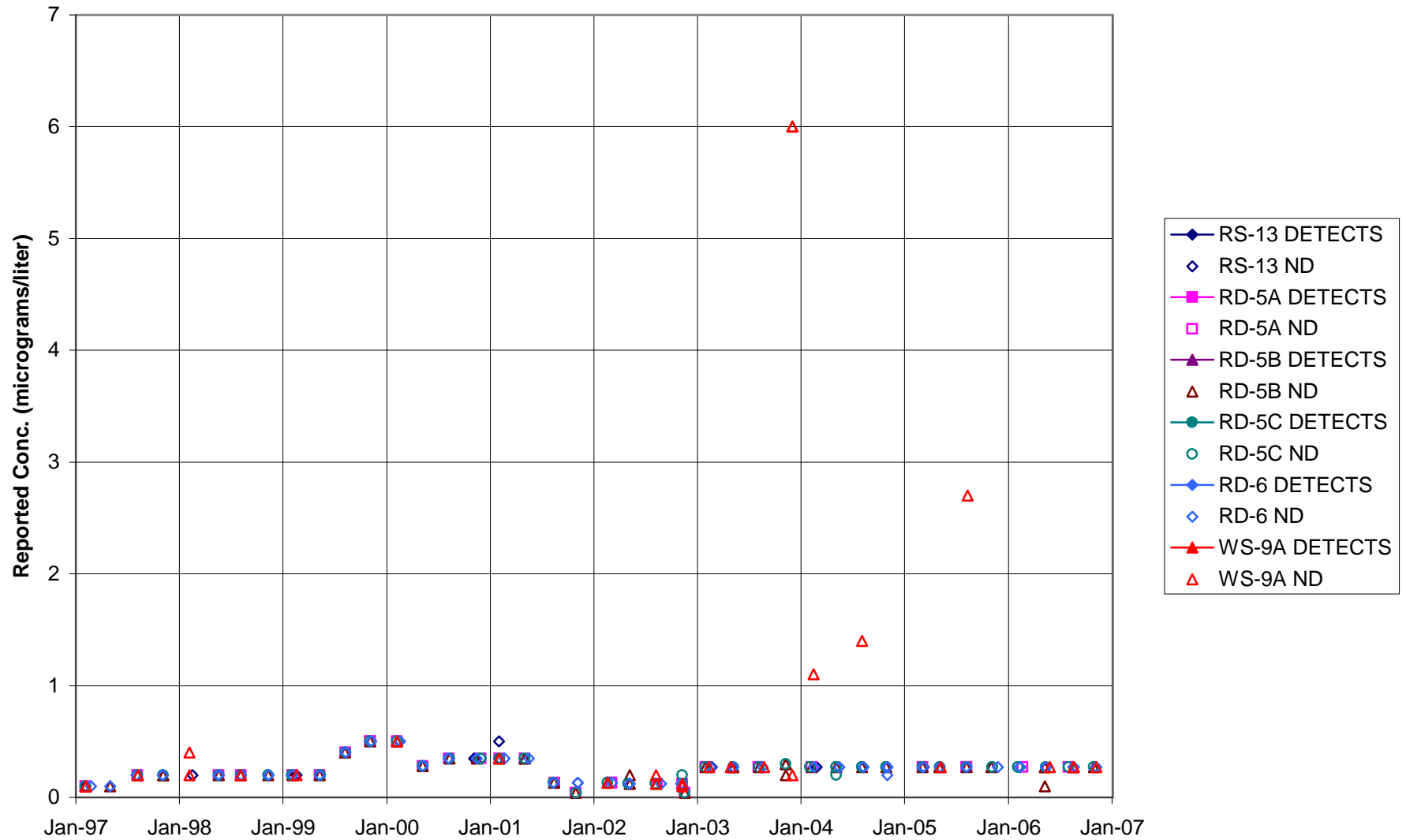


FIGURE F-68. 1,1-DCA IN AREA IV WELLS

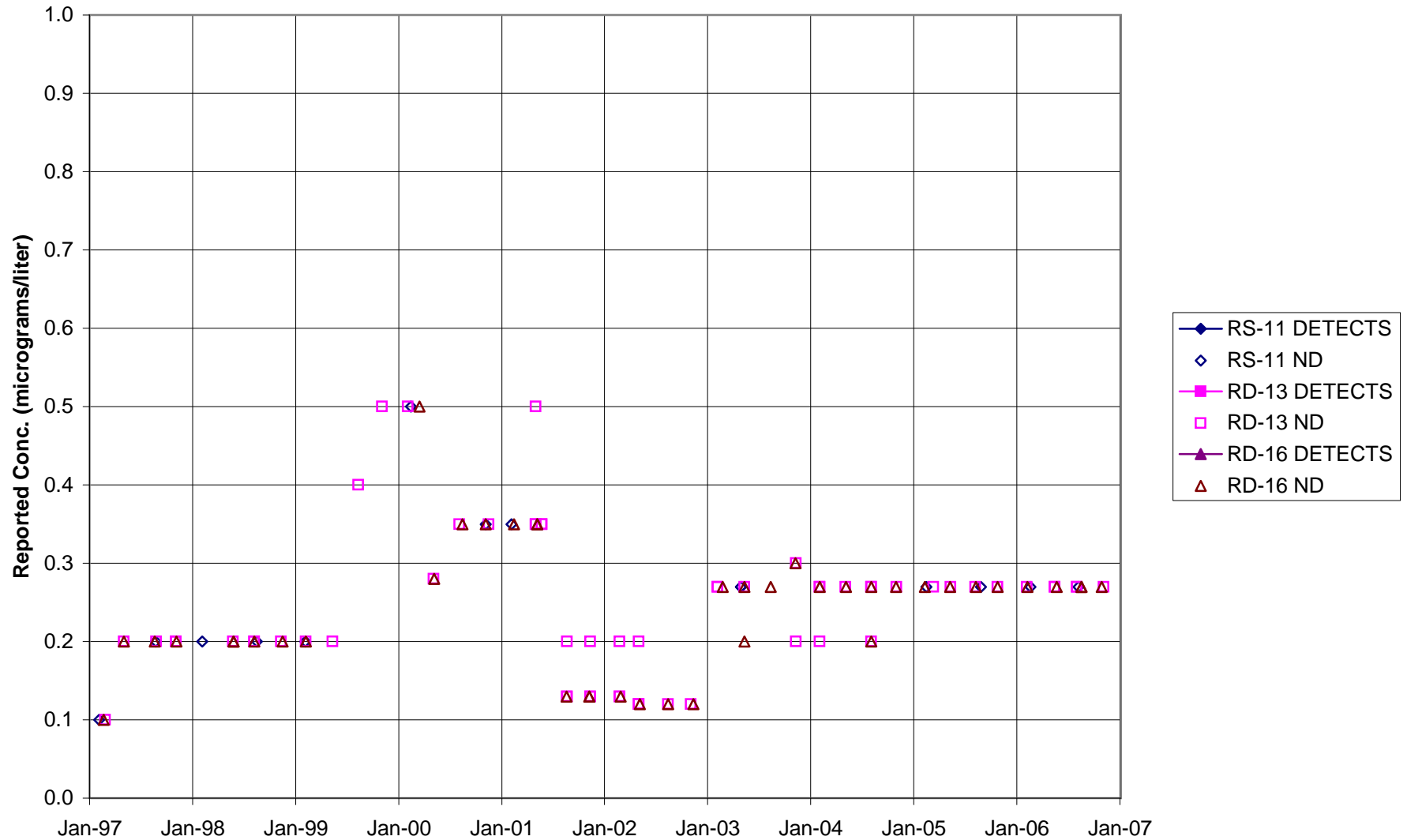


FIGURE F-69. 1,2-DCA in STL-IV AREA SHALLOW WELLS

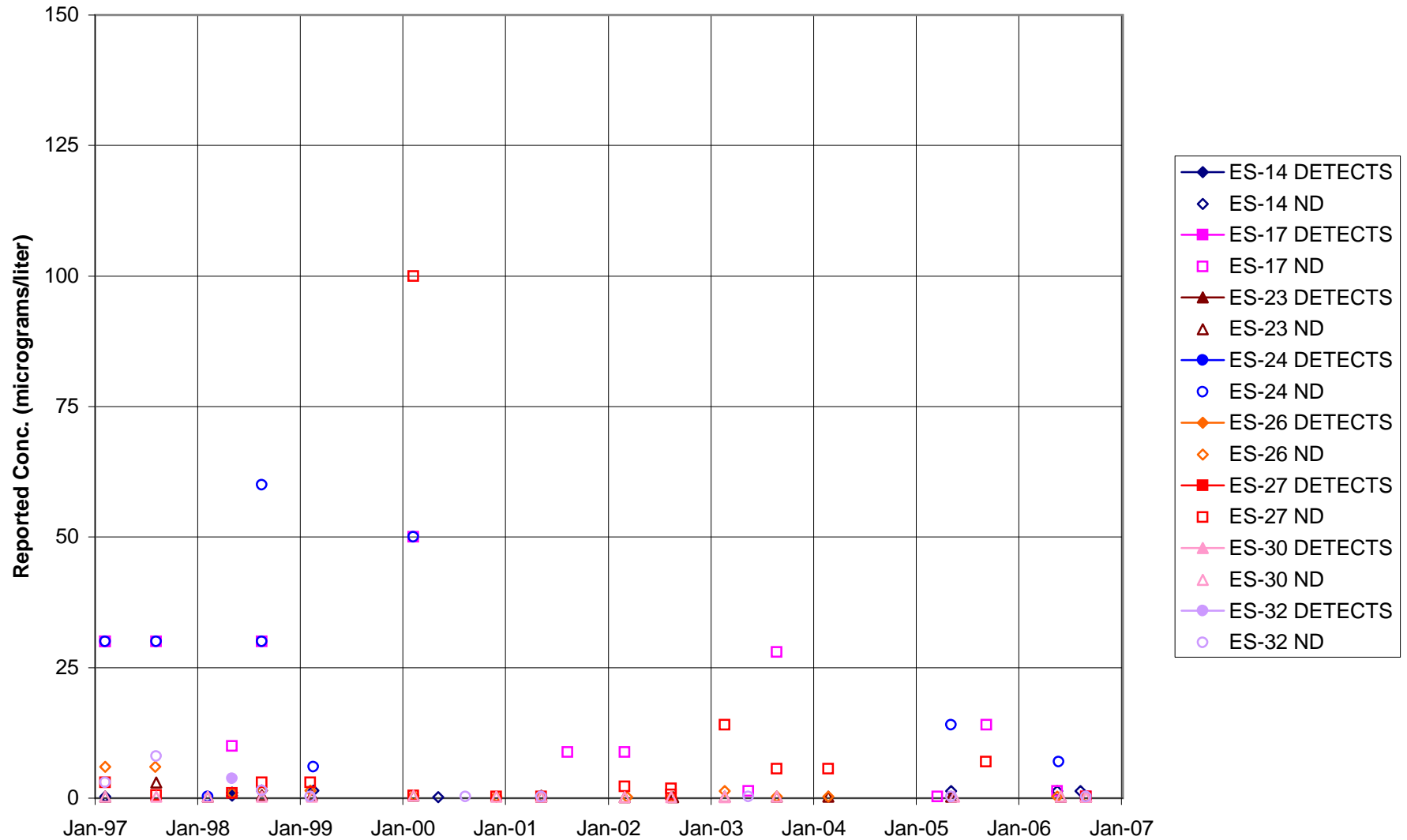


FIGURE F-70. 1,2-DCA in STL-IV AREA CHATSWORTH FORMATION WELLS

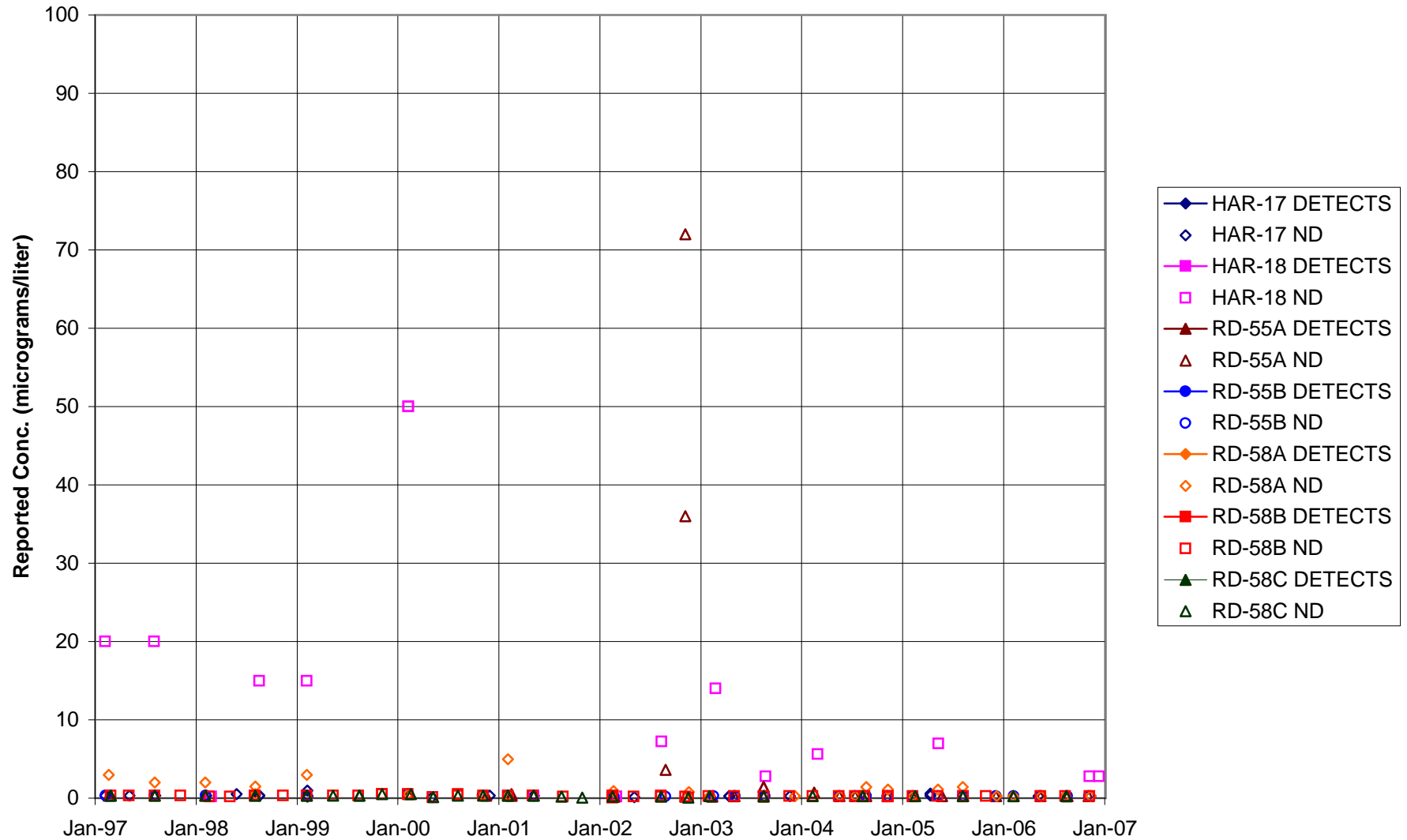


FIGURE F-71. 1,2-DCA in MAIN GATE AREA WELLS - 1

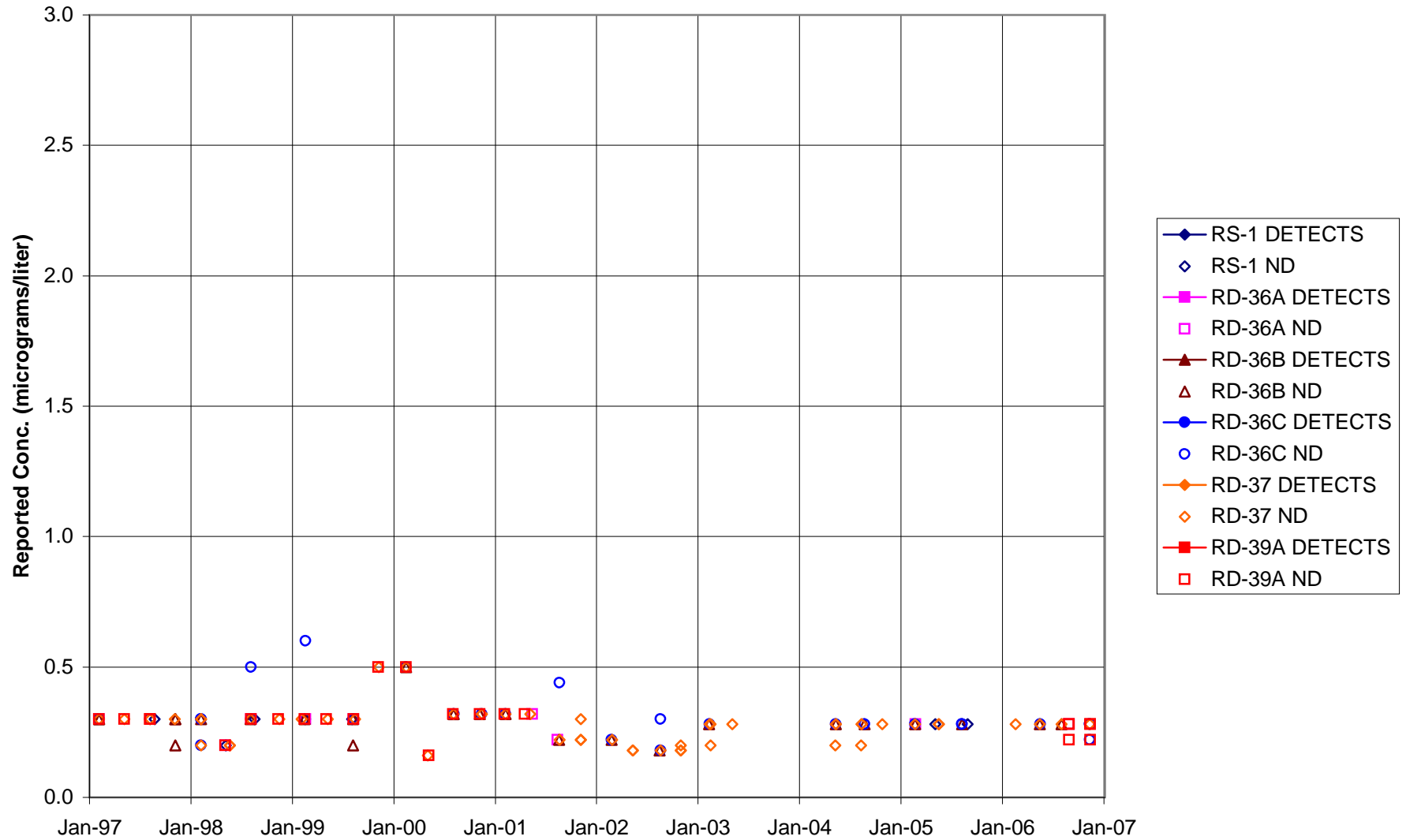


FIGURE F-72. 1,2-DCA in MAIN GATE AREA WELLS - 2

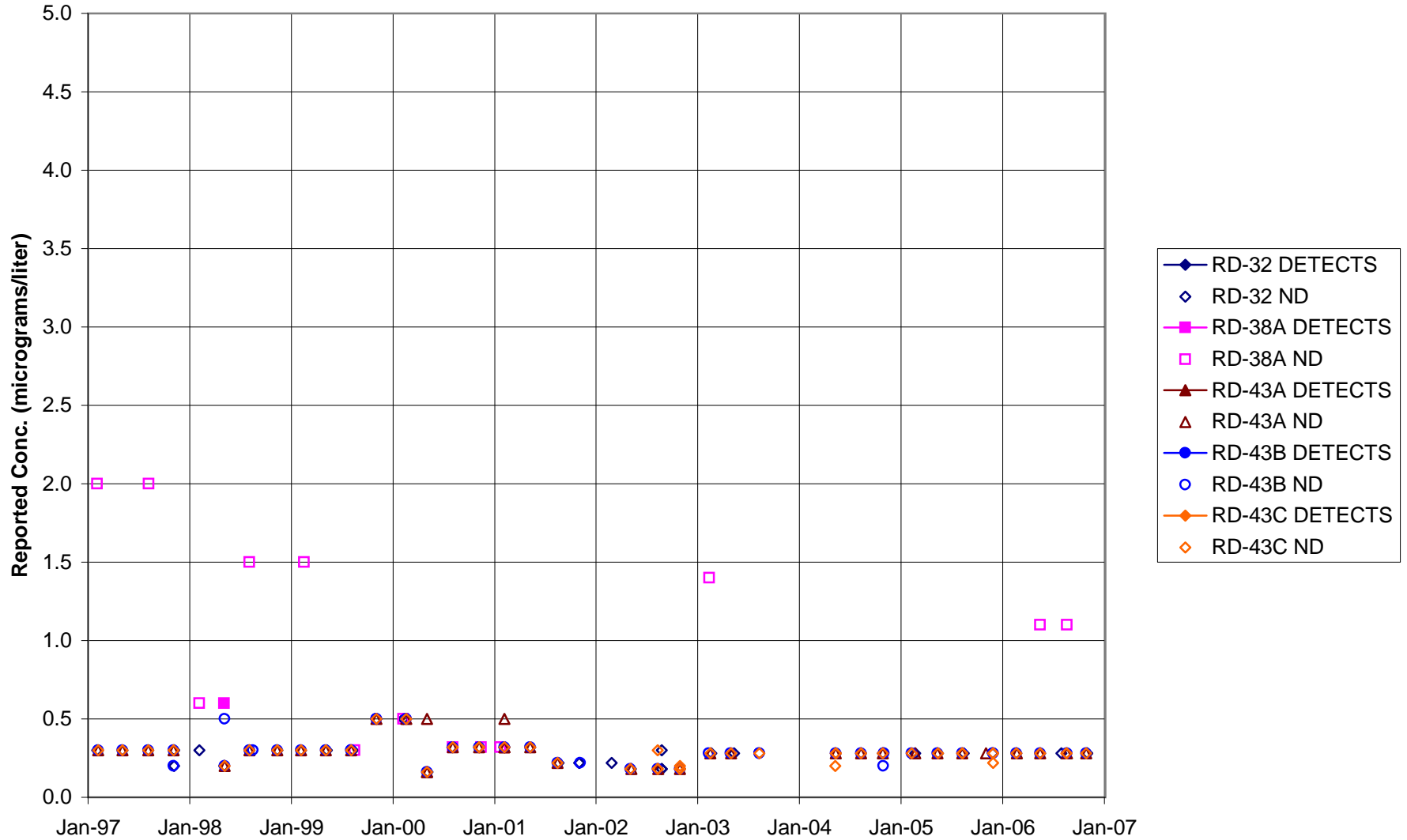


FIGURE F-73. 1,2-DCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

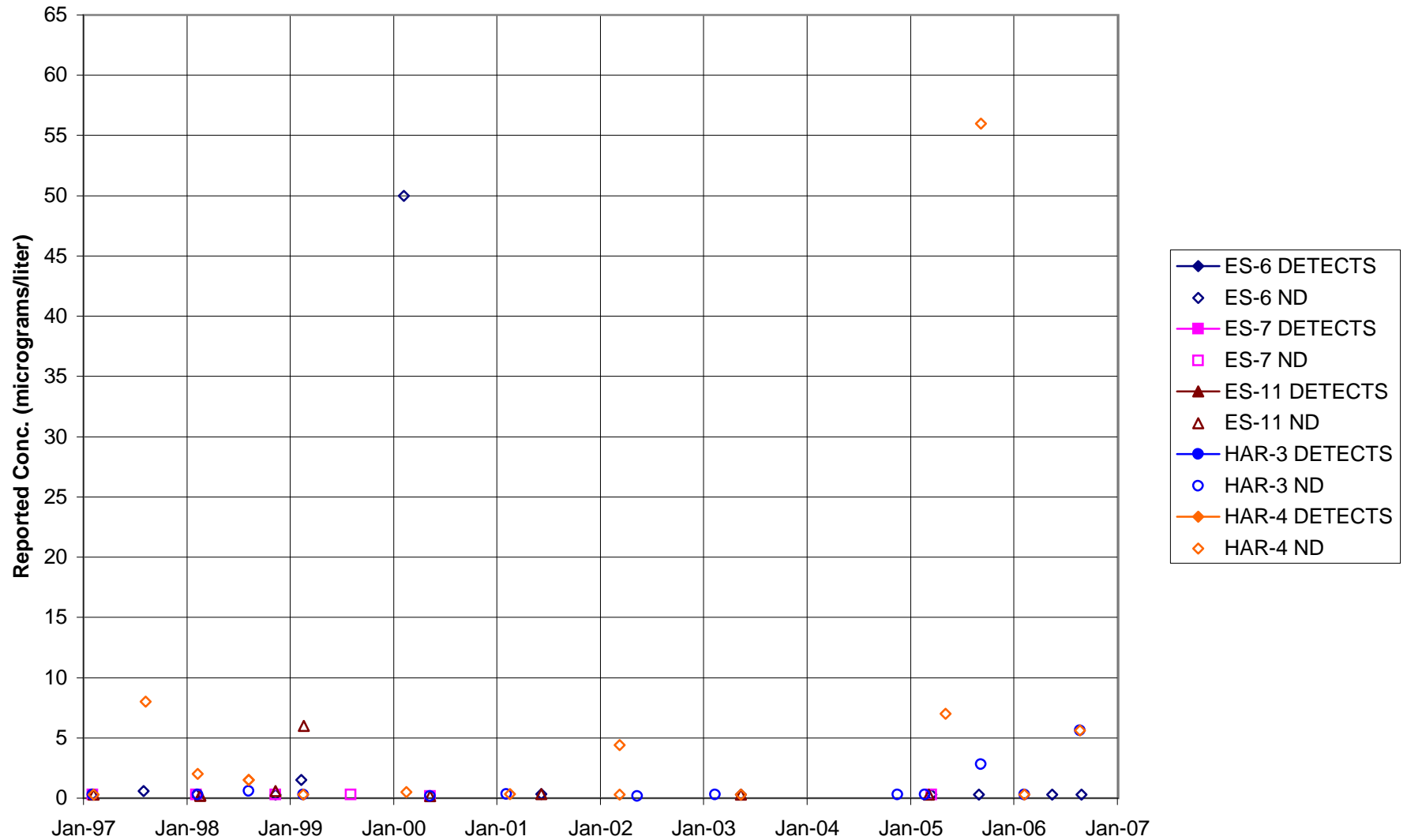


FIGURE F-74. 1,2-DCA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

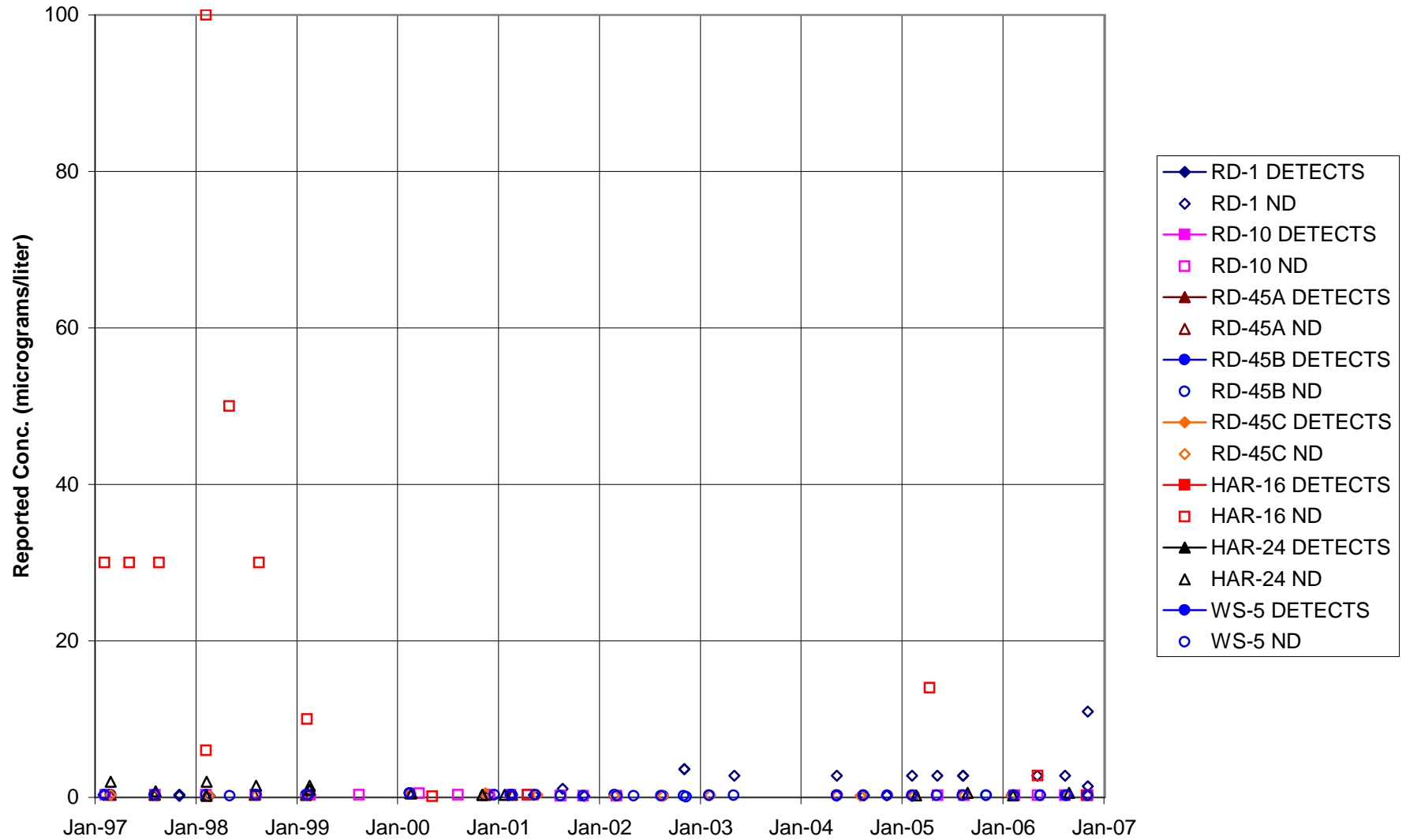


FIGURE F-75. 1,2-DCA in CTL-III / PERIMETER POND AREA WELLS

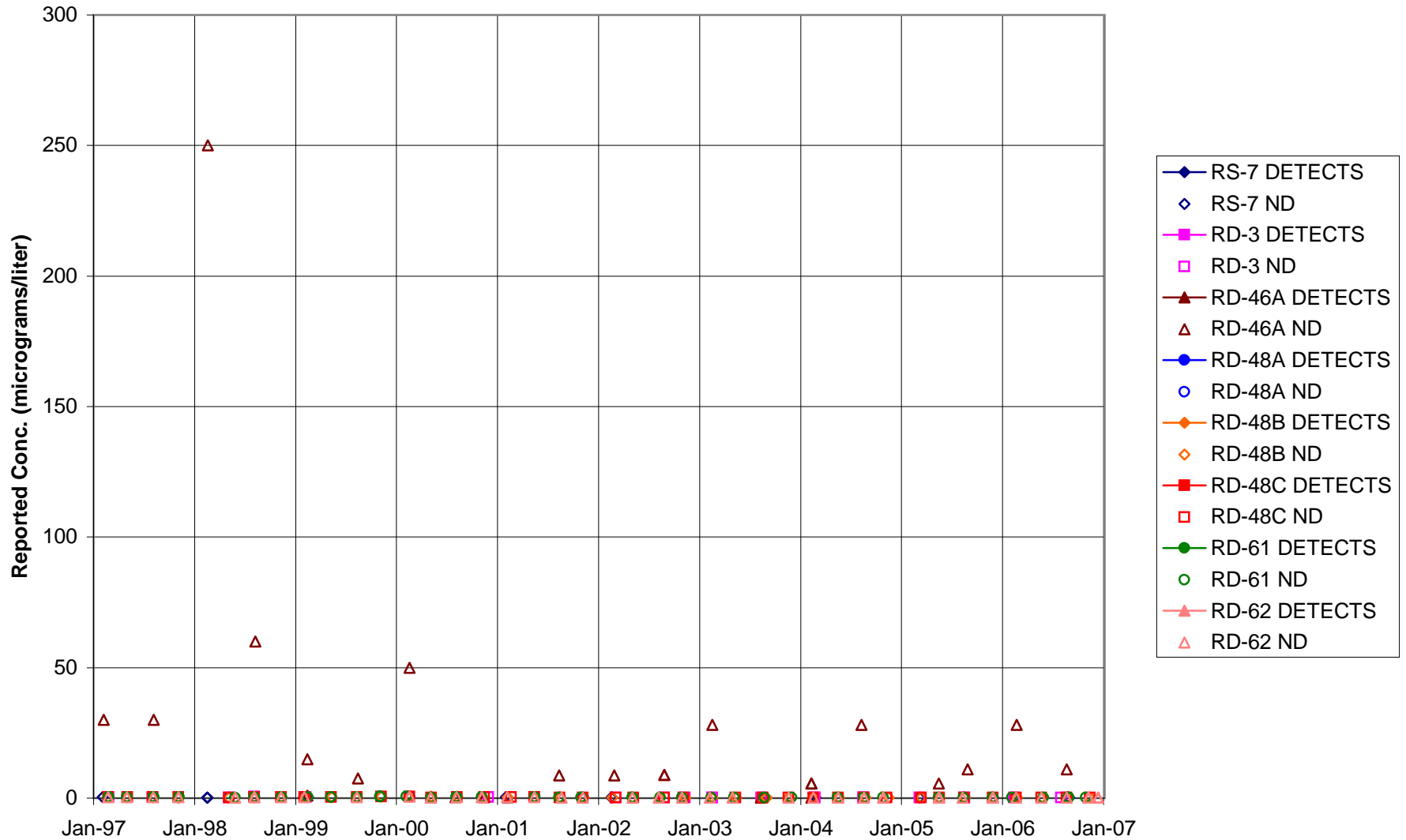


FIGURE F-76. 1,2-DCA in BOWL AREA WELLS

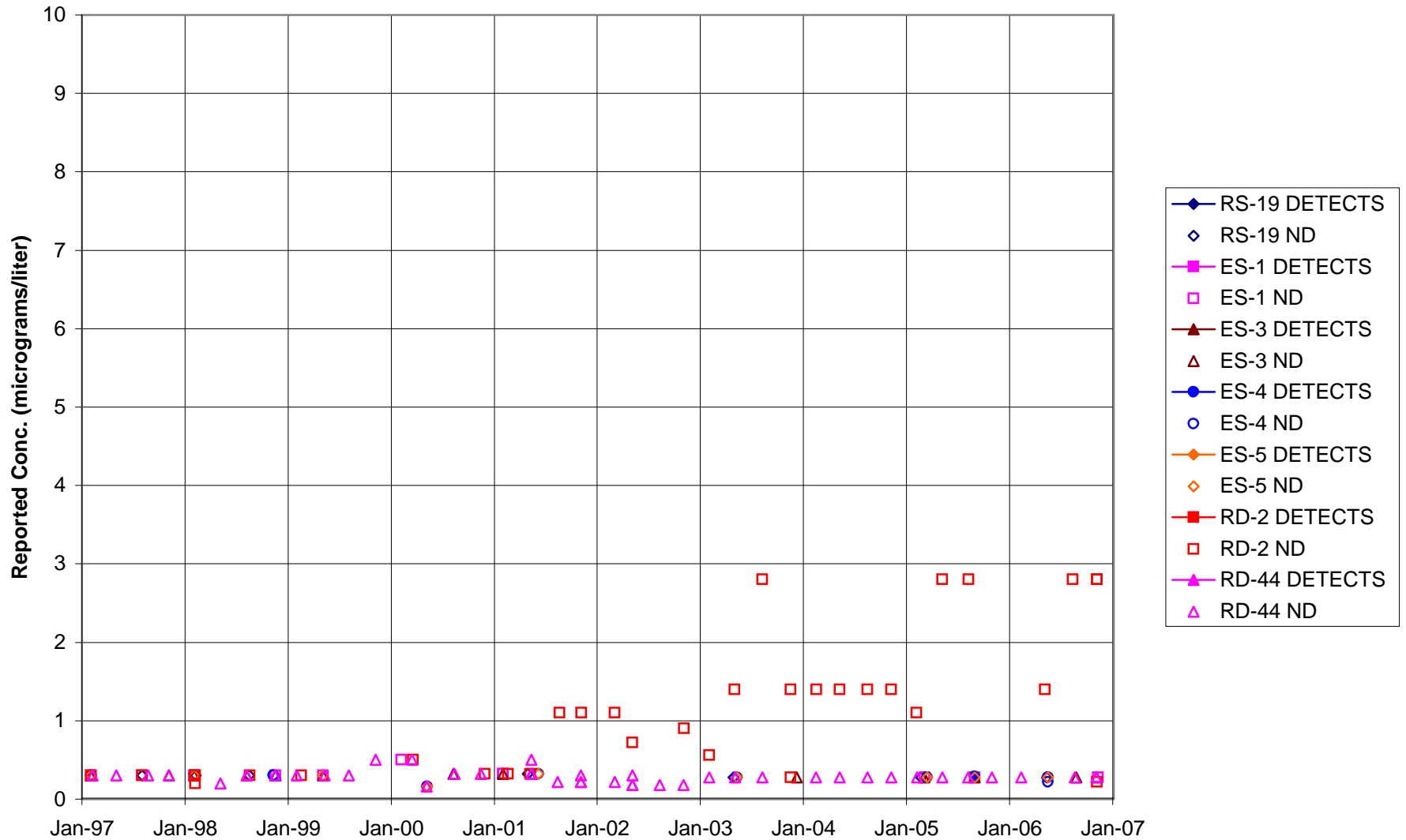


FIGURE F-77. 1,2-DCA in ECL AREA WELLS

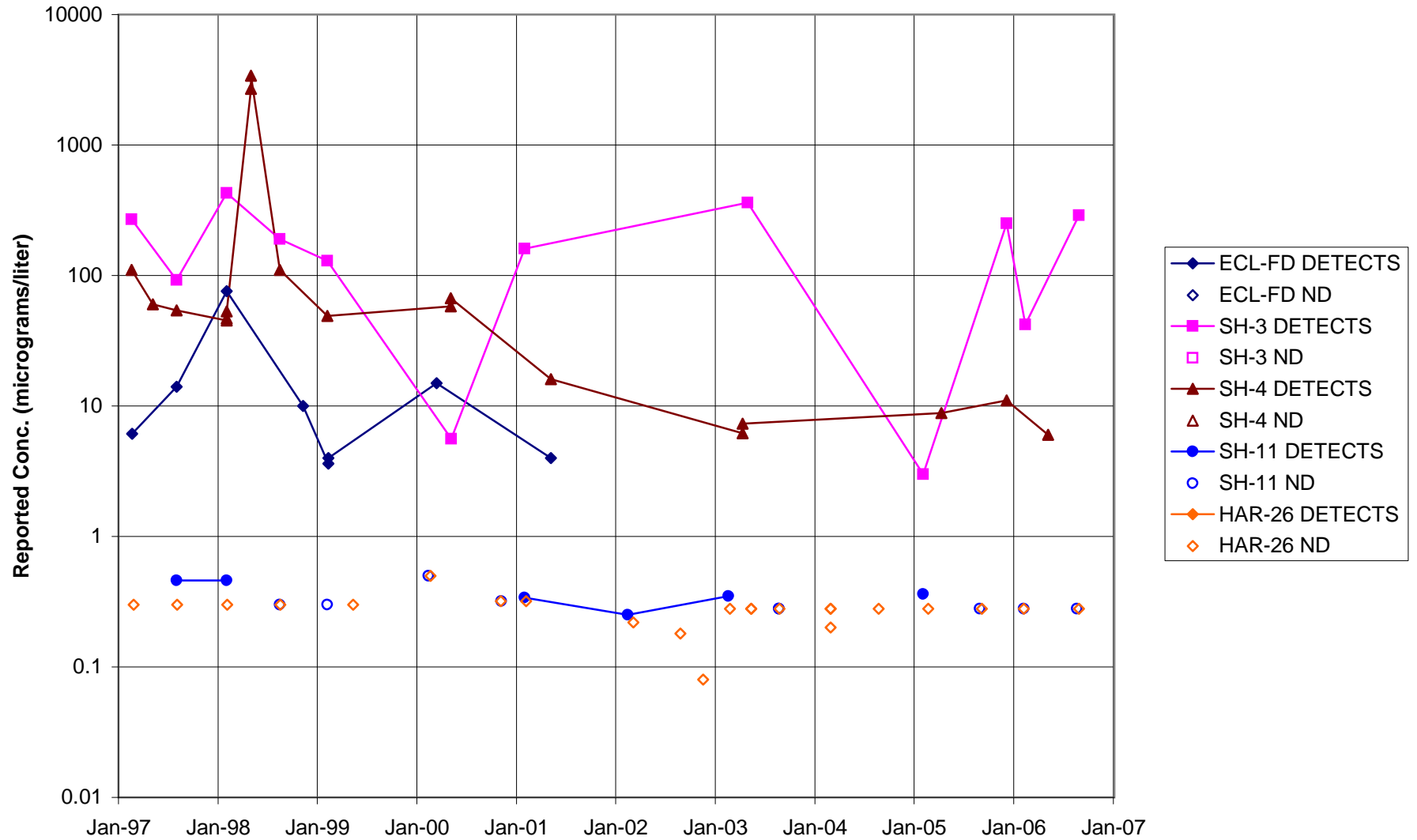


FIGURE F-78. 1,2-DCA in FORMER LOX PLANT AREA WELLS

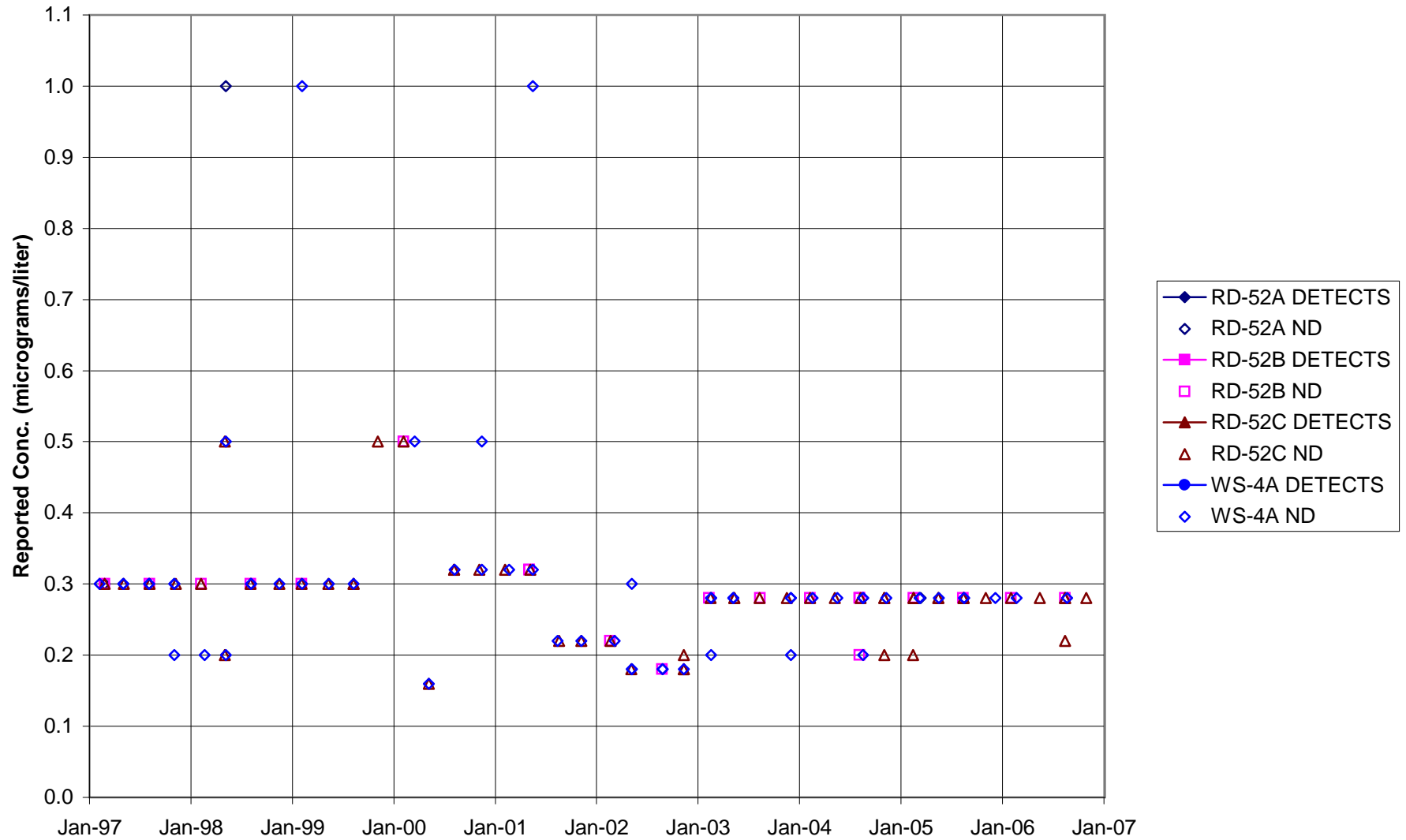


FIGURE F-79. 1,2-DCA in RD-09 AREA WELLS

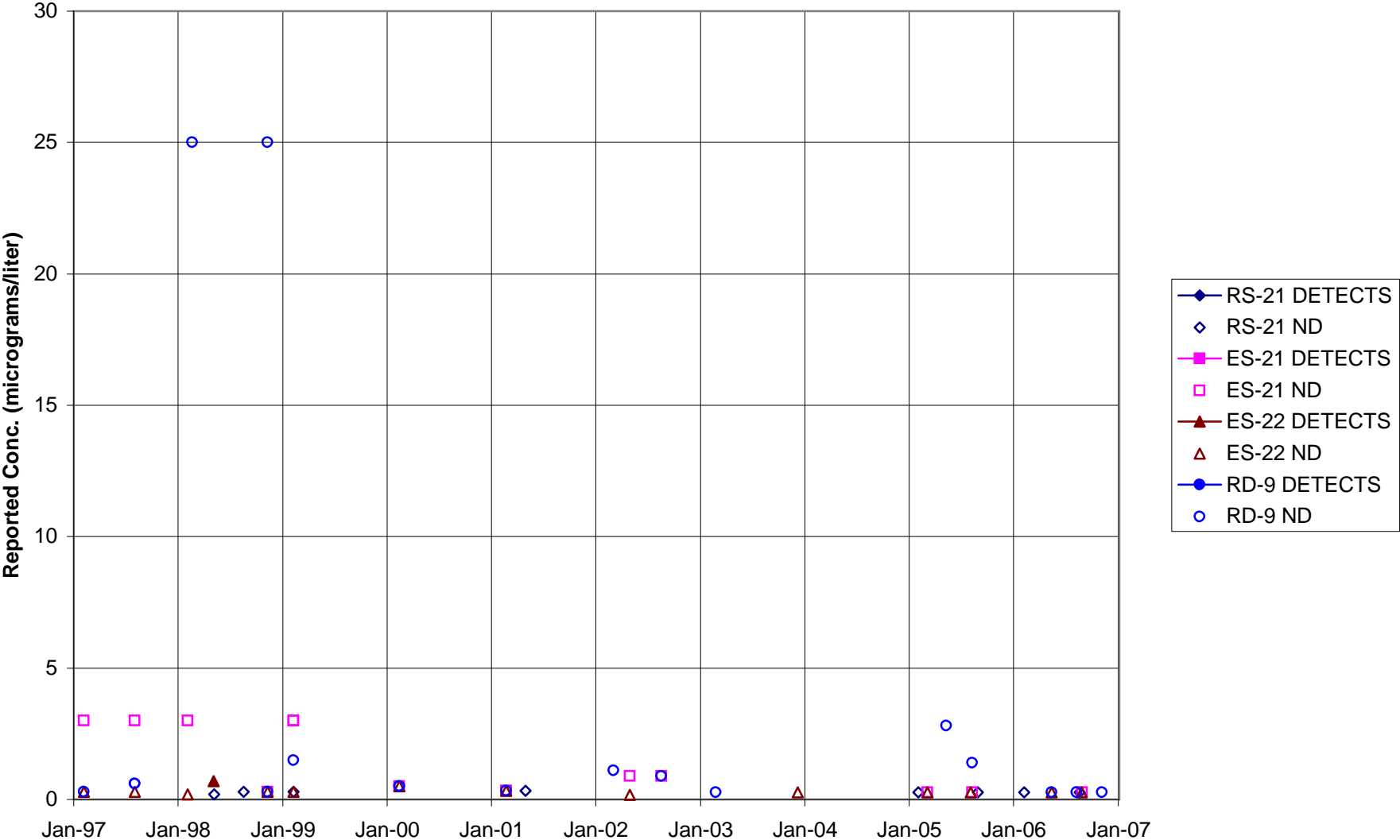


FIGURE F-80. 1,2-DCA in HELIPORT, B/204 AREA WELLS

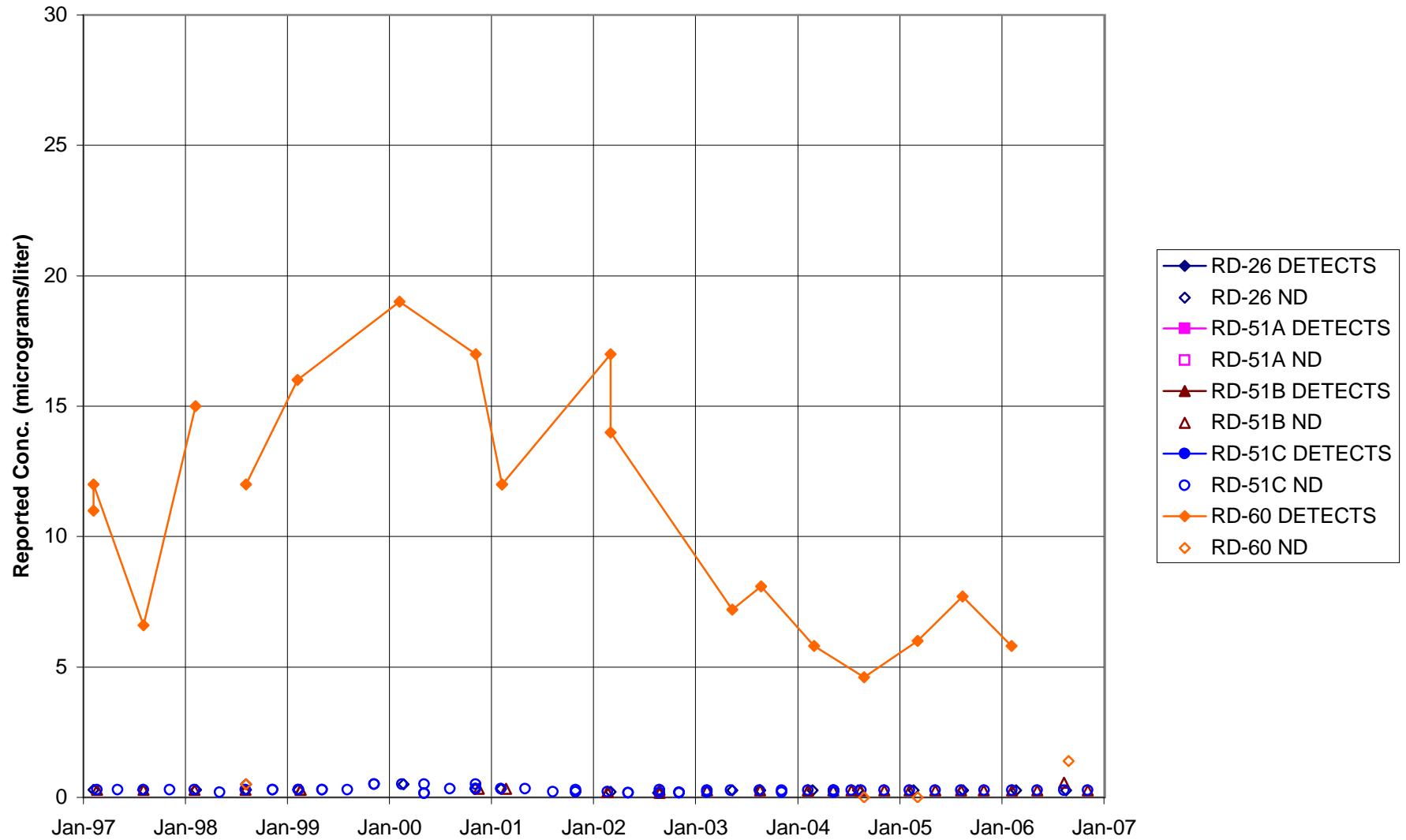


FIGURE F-81. 1,2-DCA in ALFA / BRAVO AREA WELLS

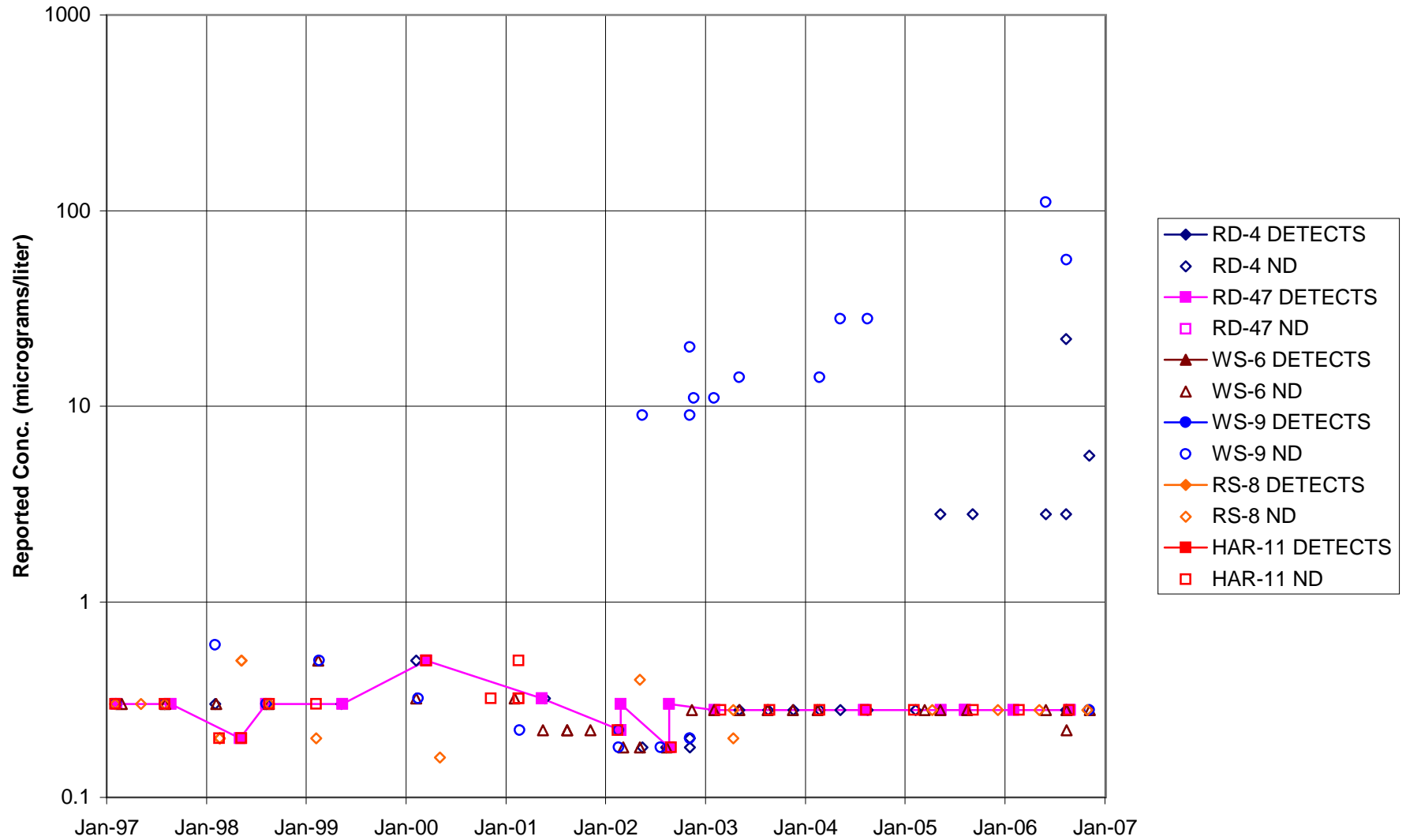


FIGURE F-82. 1,2-DCA in SPA AREA WELLS

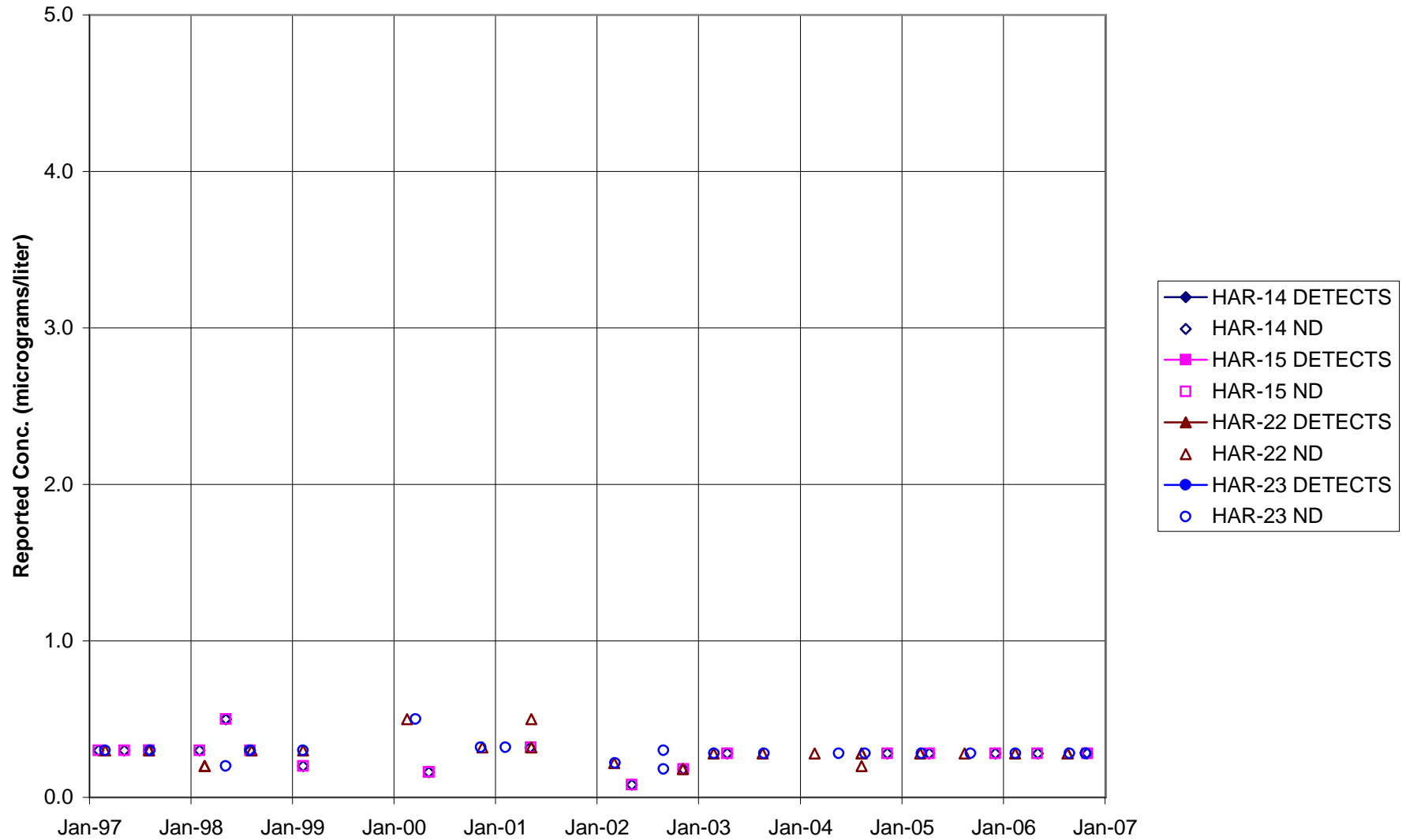


FIGURE F-83. 1,2-DCA in COCA / PLF AREA WELLS

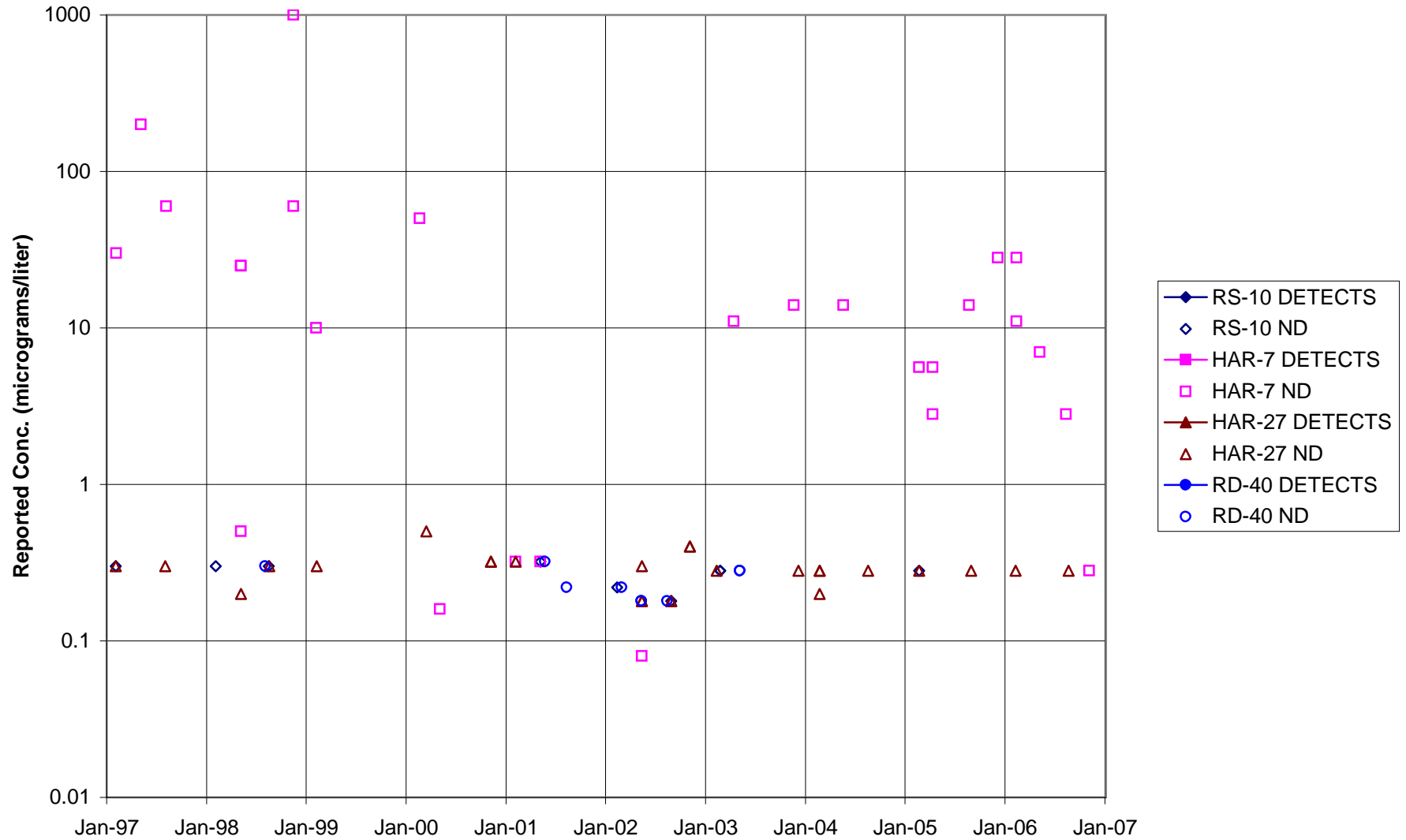


FIGURE F-84. 1,2-DCA in DELTA / BUFFER ZONE AREA WELLS

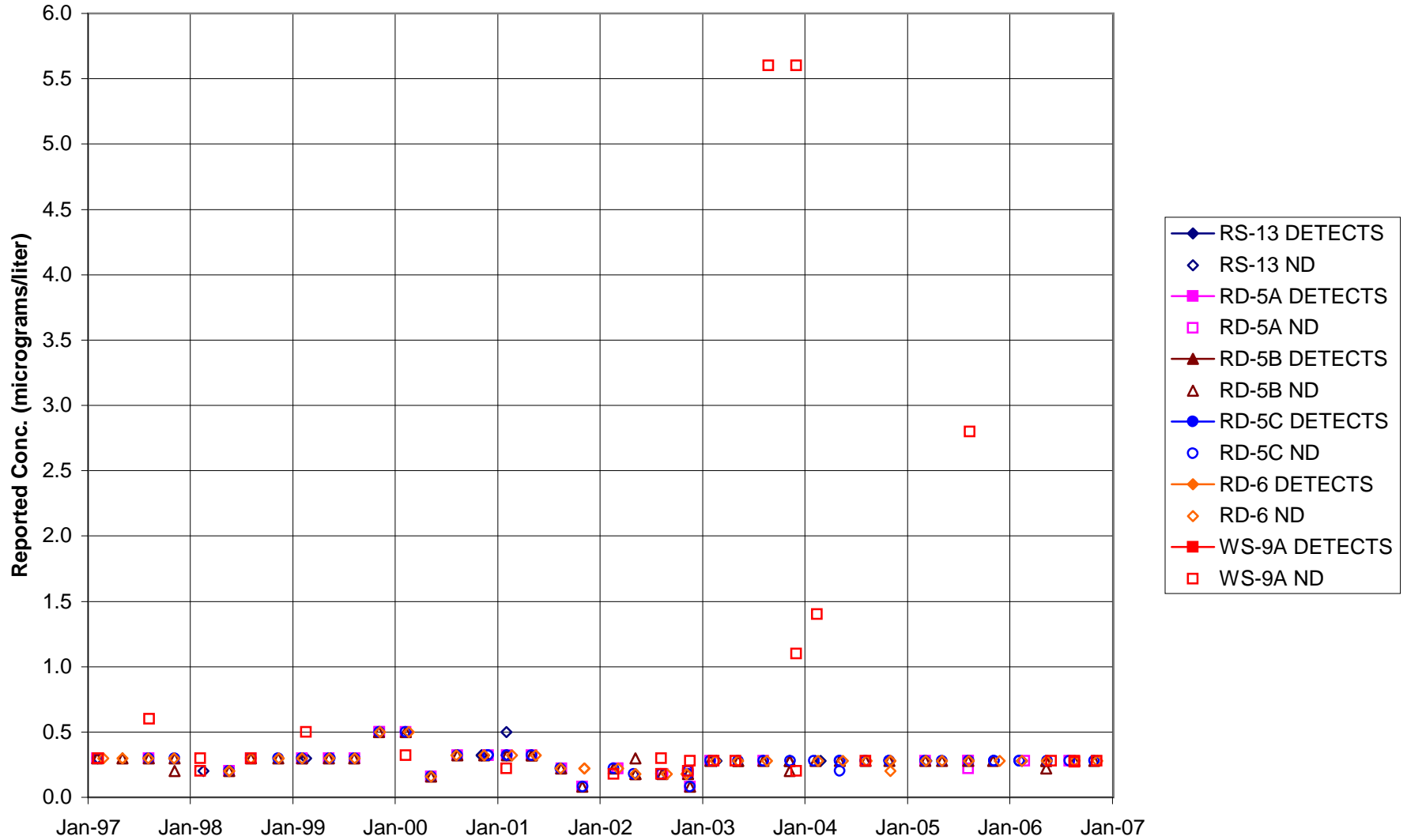


FIGURE F-85. 1,2-DCA in AREA IV WELLS

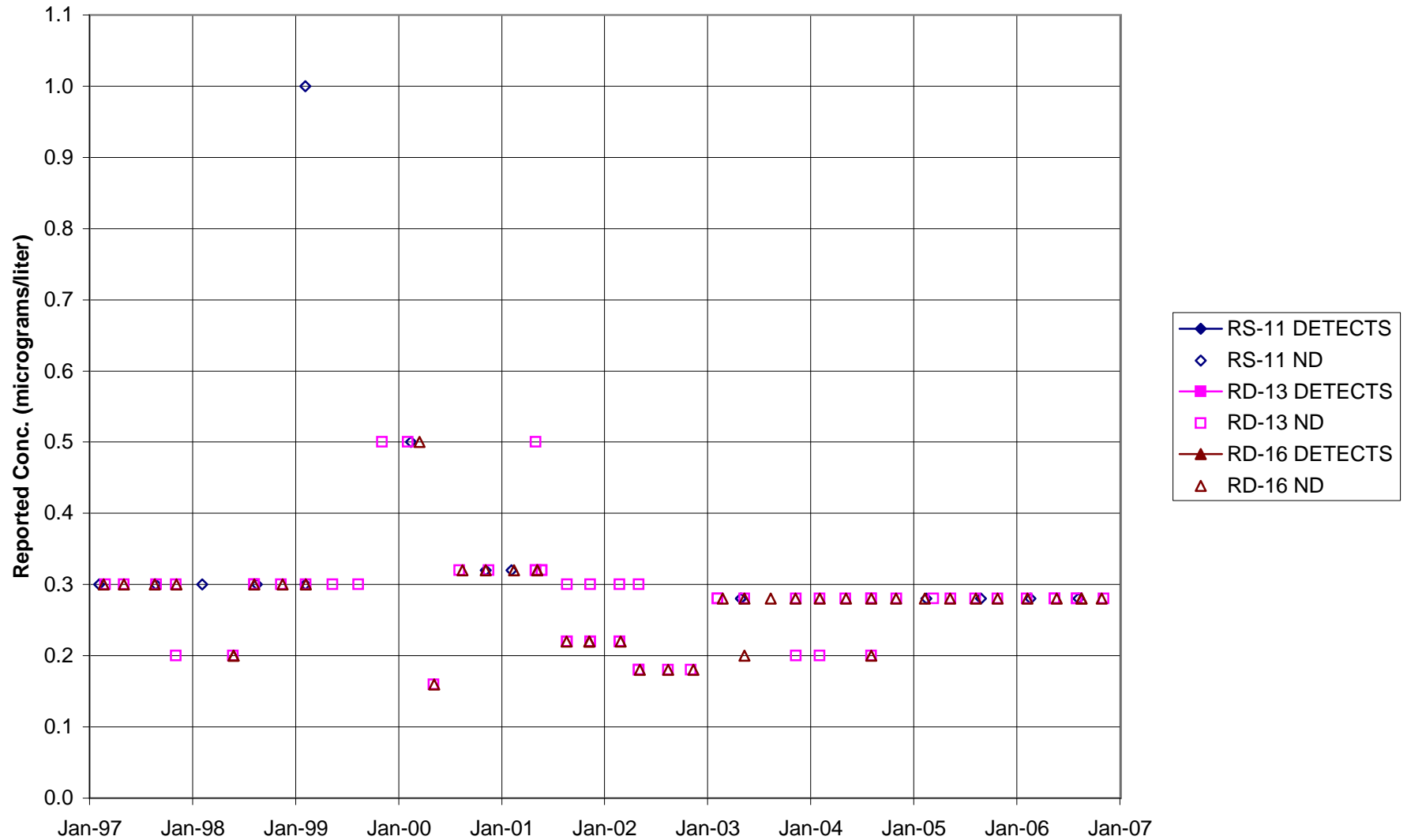


FIGURE F-86. 1,4-DIOXANE in STL-IV AREA SHALLOW WELLS

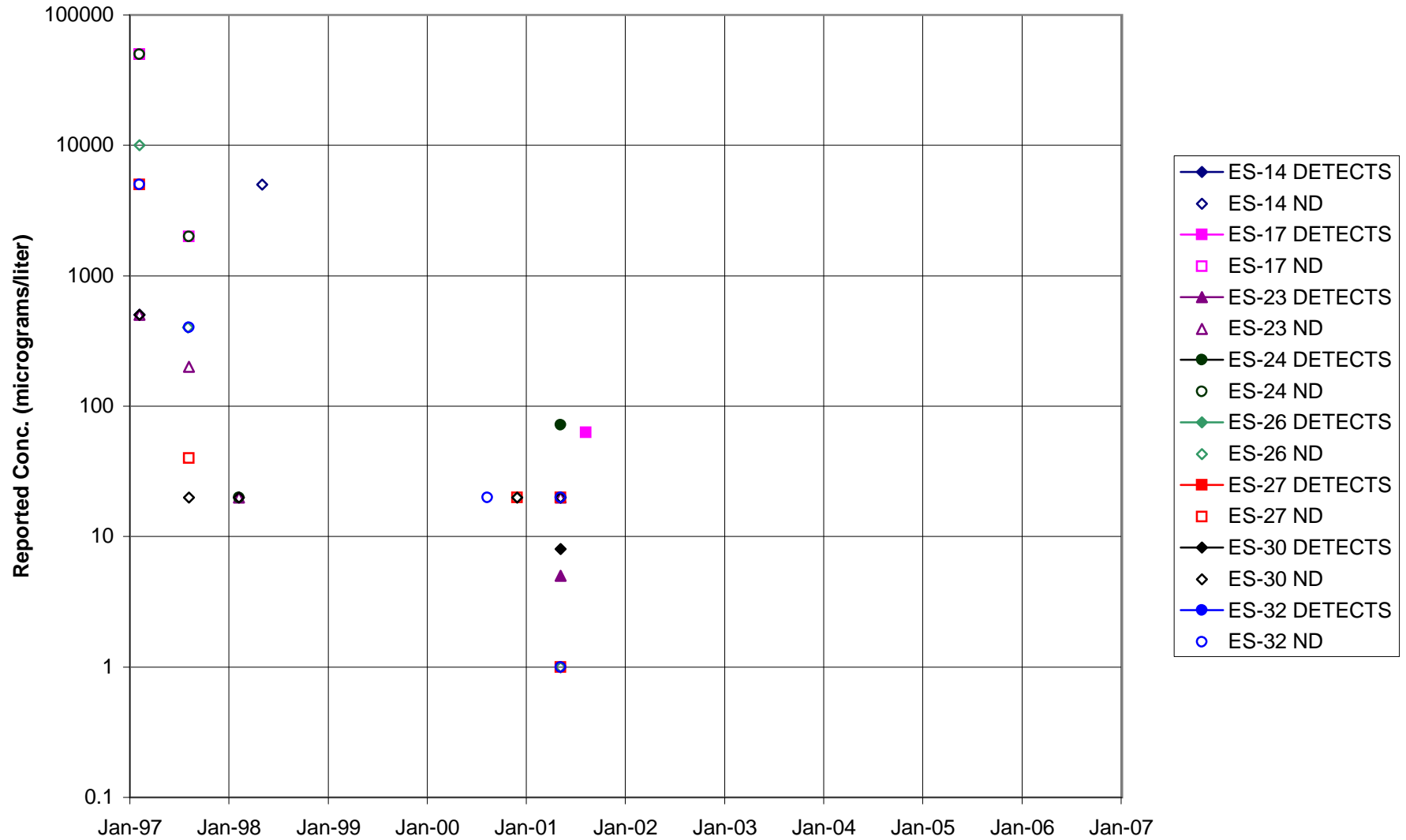


FIGURE F-87. 1,4-DIOXANE in STL-IV AREA CHATSWORTH FORMATION WELLS

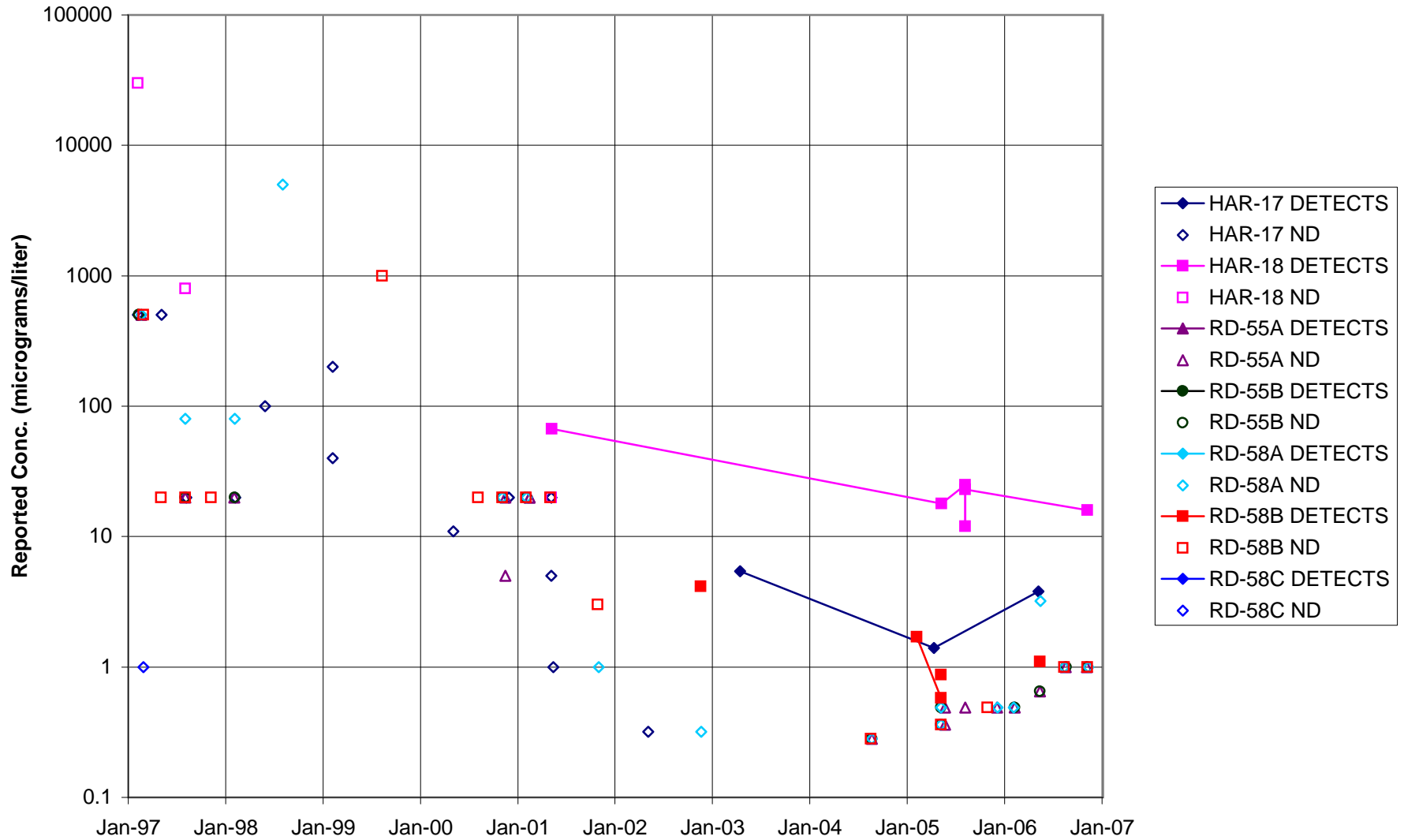


FIGURE F-88. 1,4-DIOXANE in MAIN GATE AREA WELLS - 1

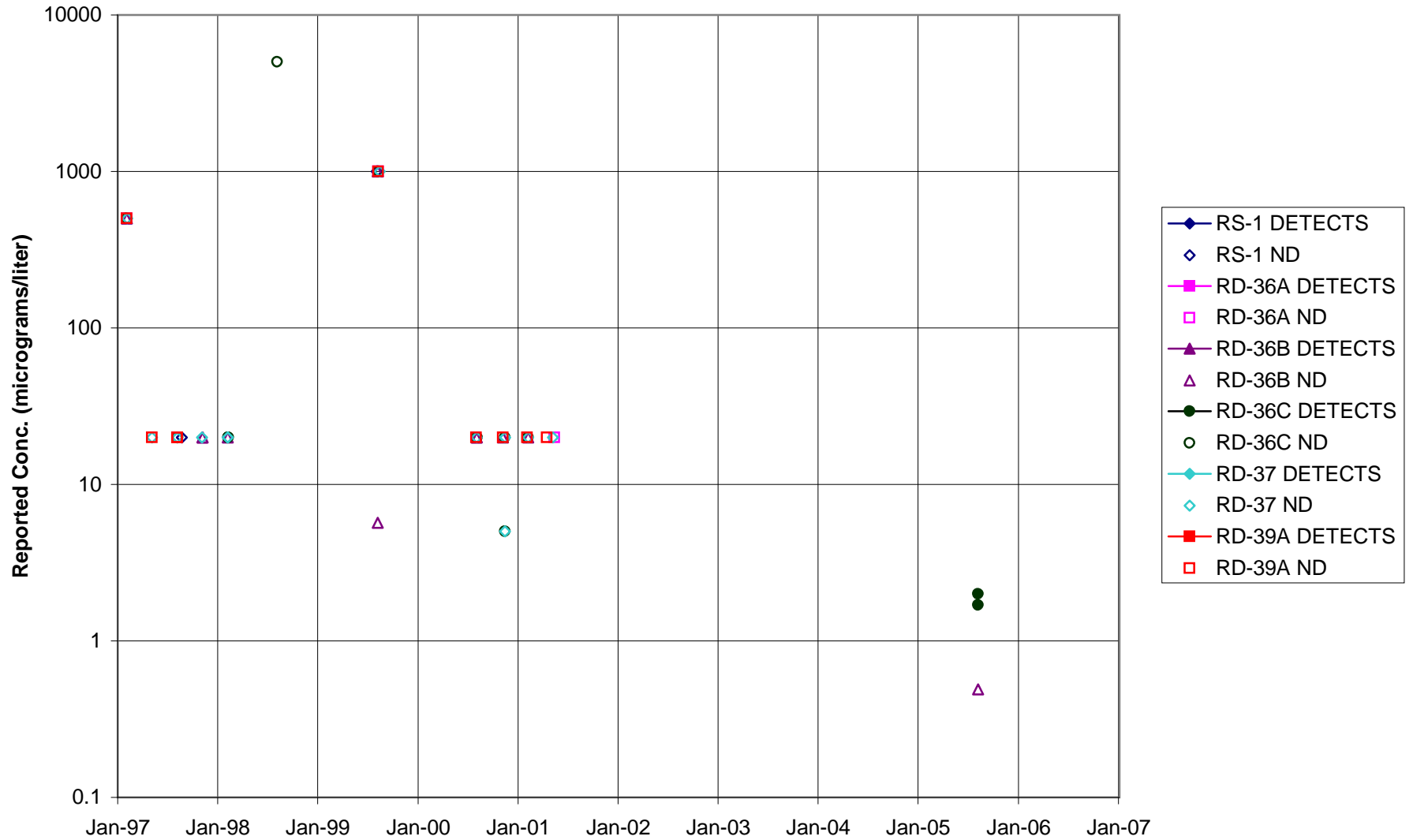


FIGURE F-89. 1,4-DIOXANE in MAIN GATE AREA WELLS - 2

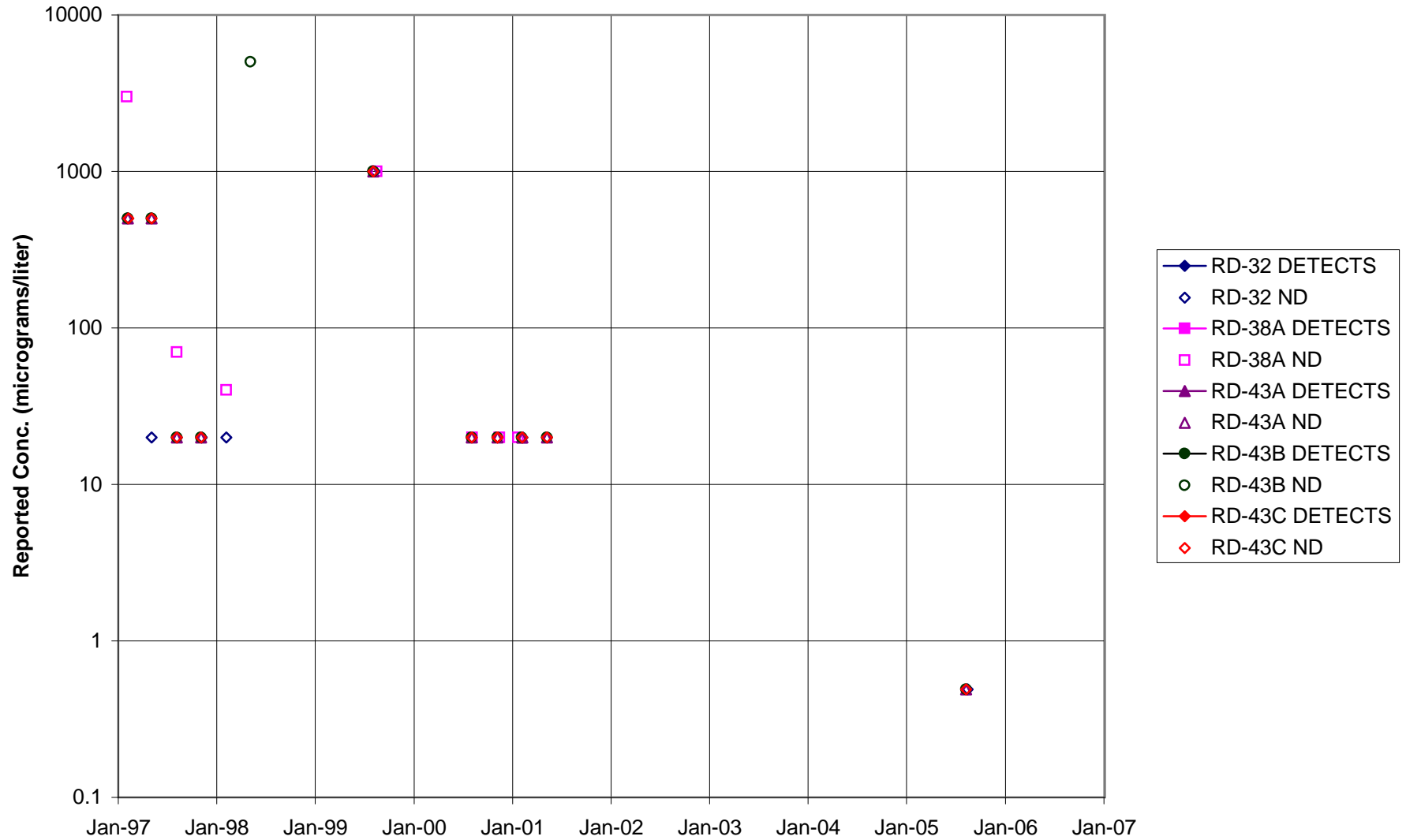


FIGURE F-90. 1,4-DIOXANE in APTF, CANYON & HAPPY VALLEY AREA WELLS - 1

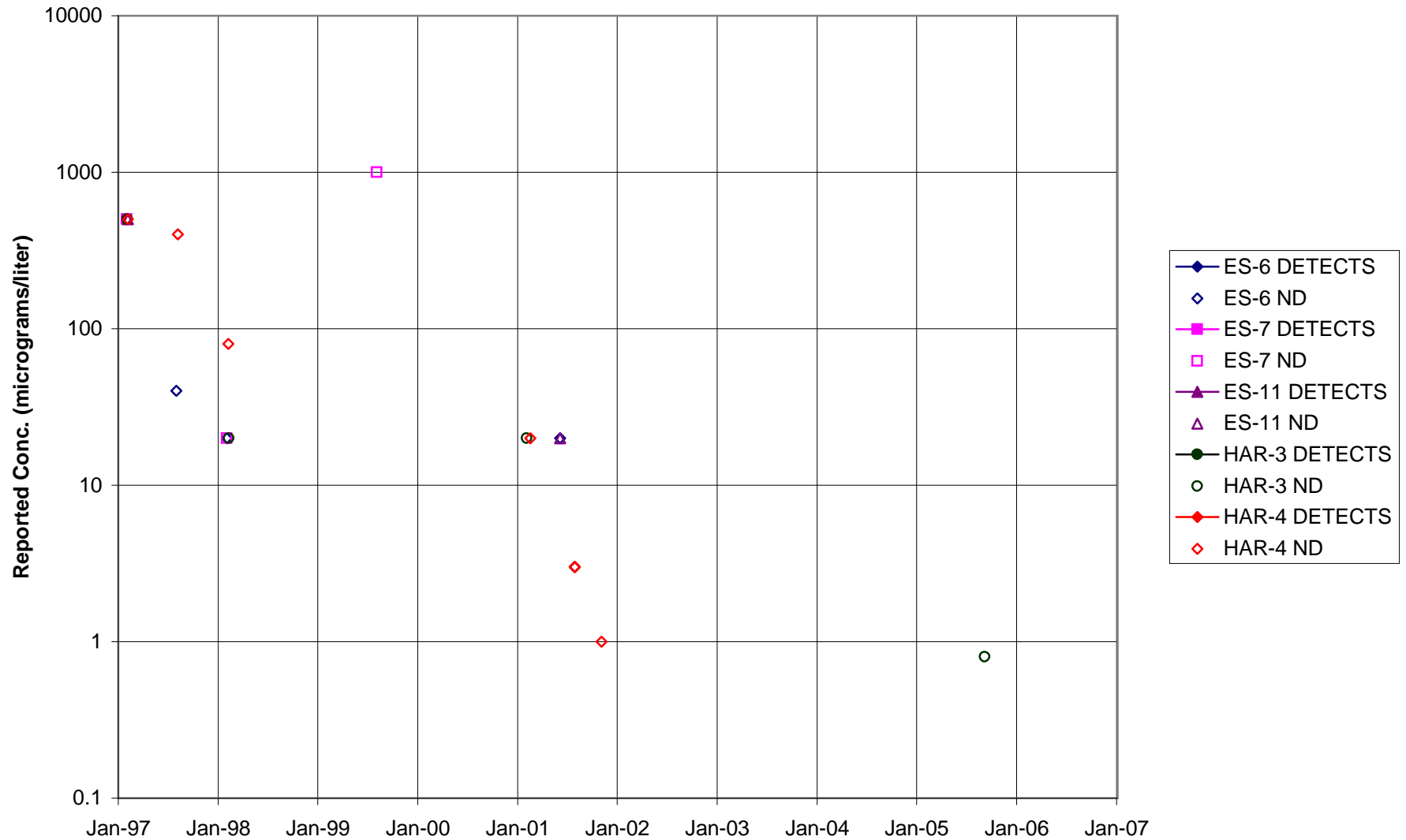


FIGURE F-91. 1,4-DIOXANE in APTF, CANYON & HAPPY VALLEY AREA WELLS - 2

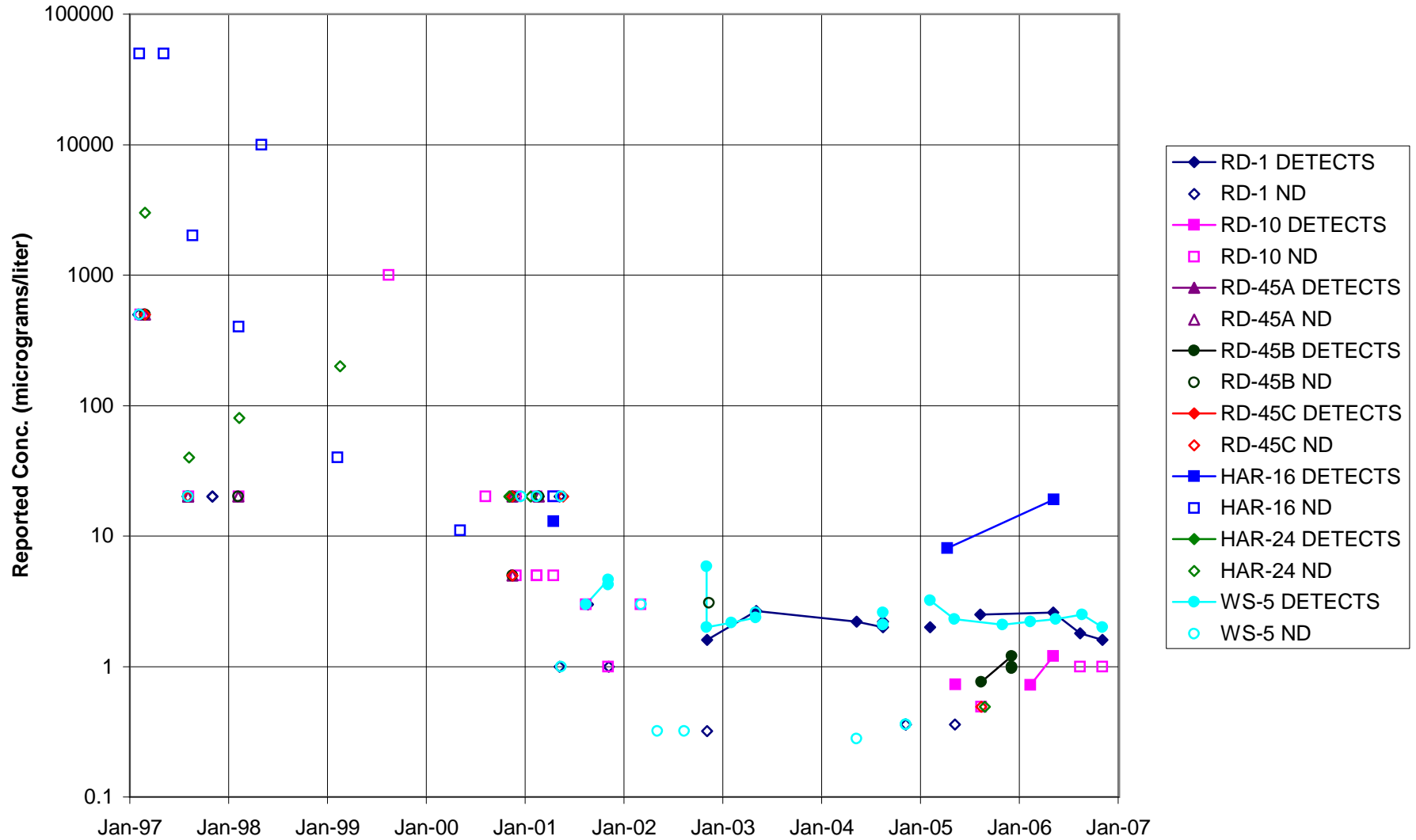


FIGURE F-92. 1,4-DIOXANE in CTL-III / PERIMETER POND AREA WELLS

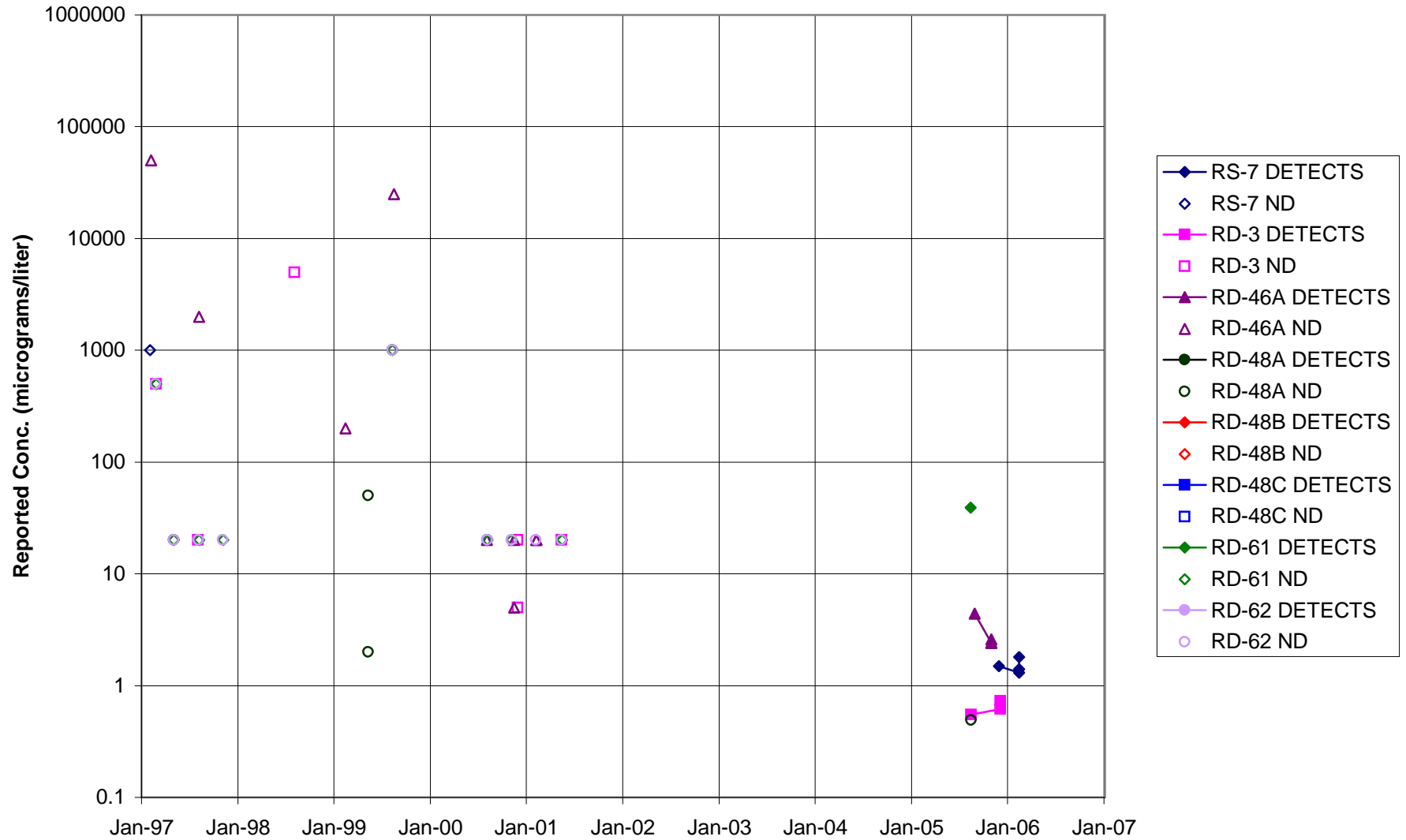


FIGURE F-93. 1,4-DIOXANE in BOWL AREA WELLS

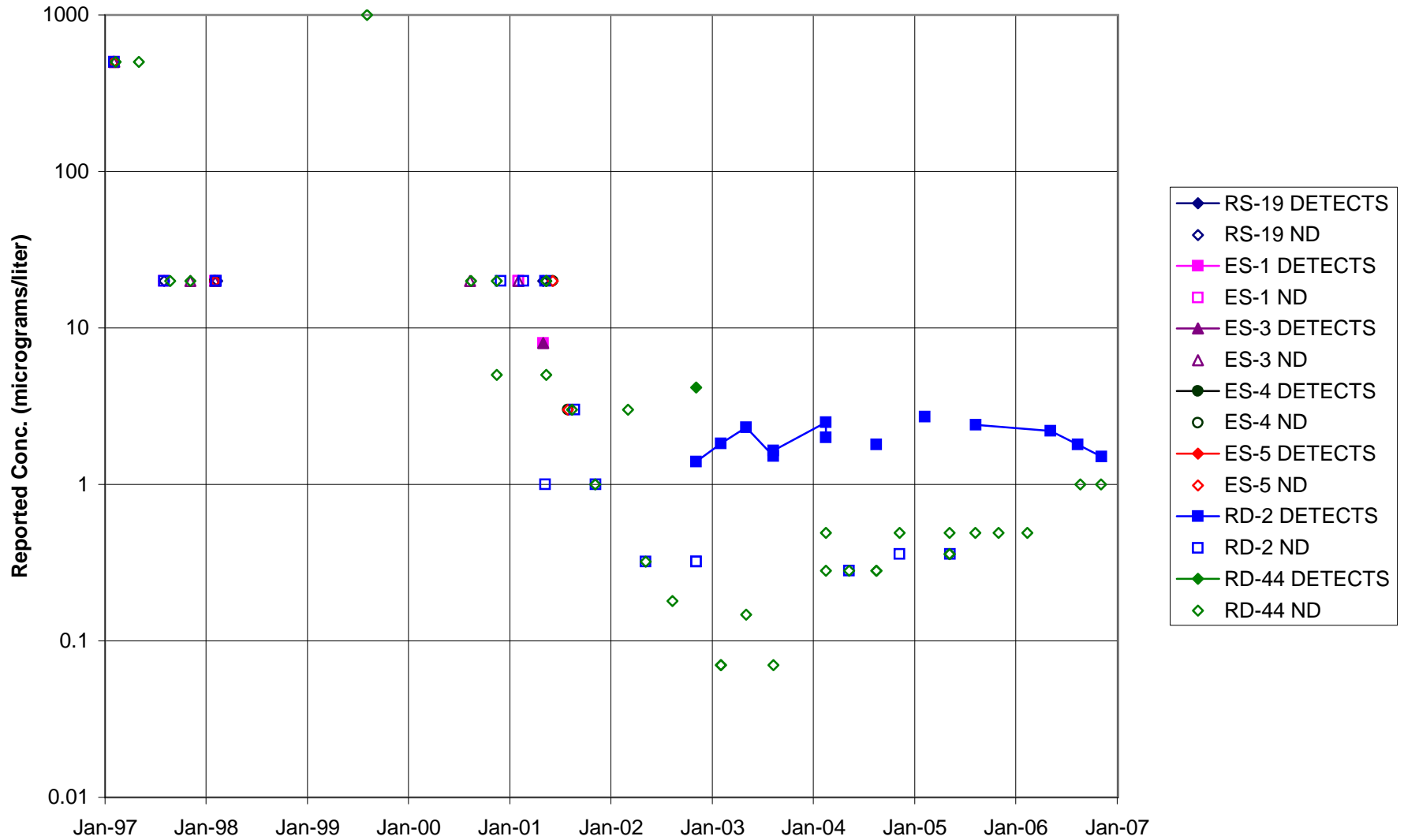


FIGURE F-94. 1,4-DIOXANE in ECL AREA WELLS

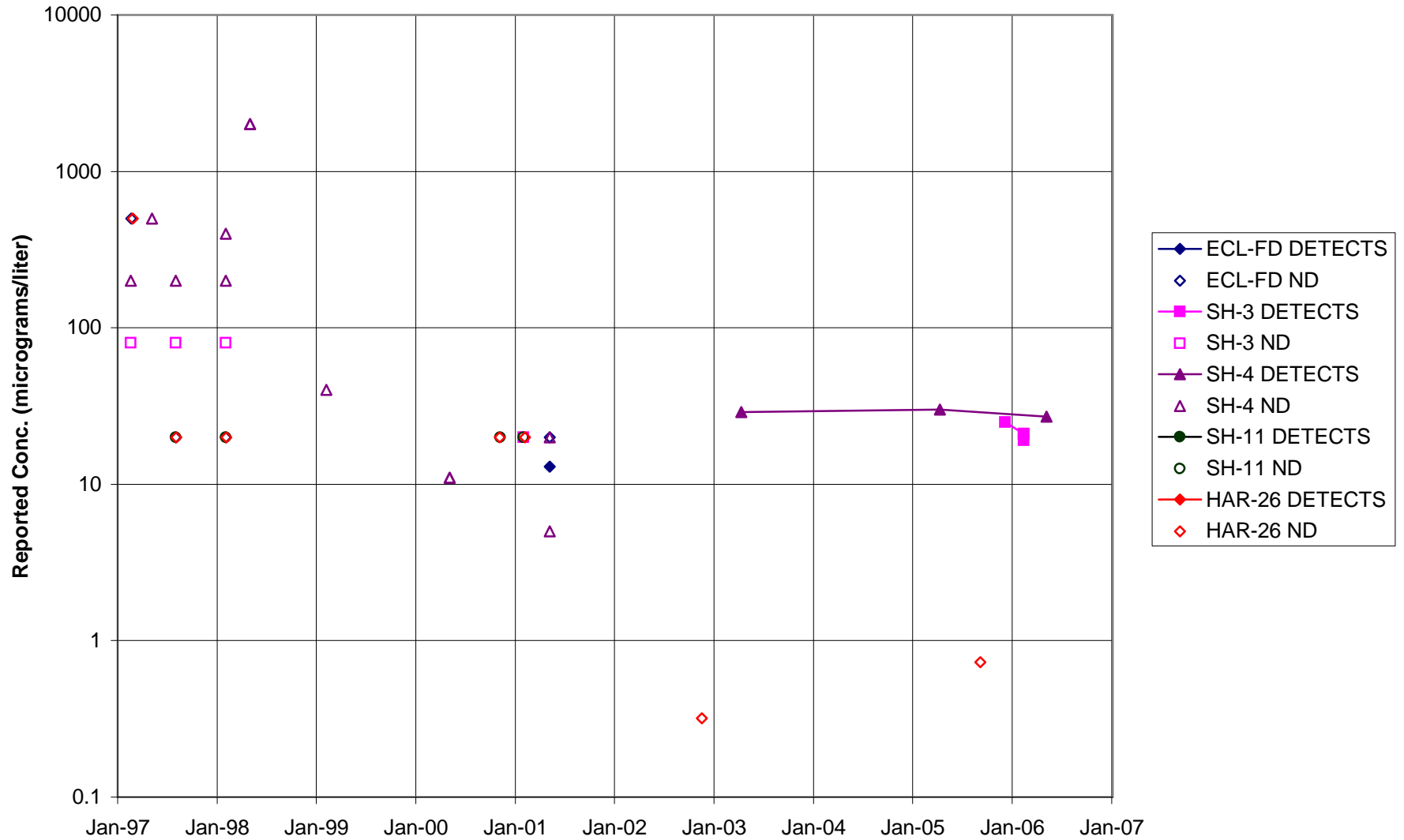


FIGURE F-95. 1,4-DIOXANE IN FORMER LOX PLANT AREA WELLS

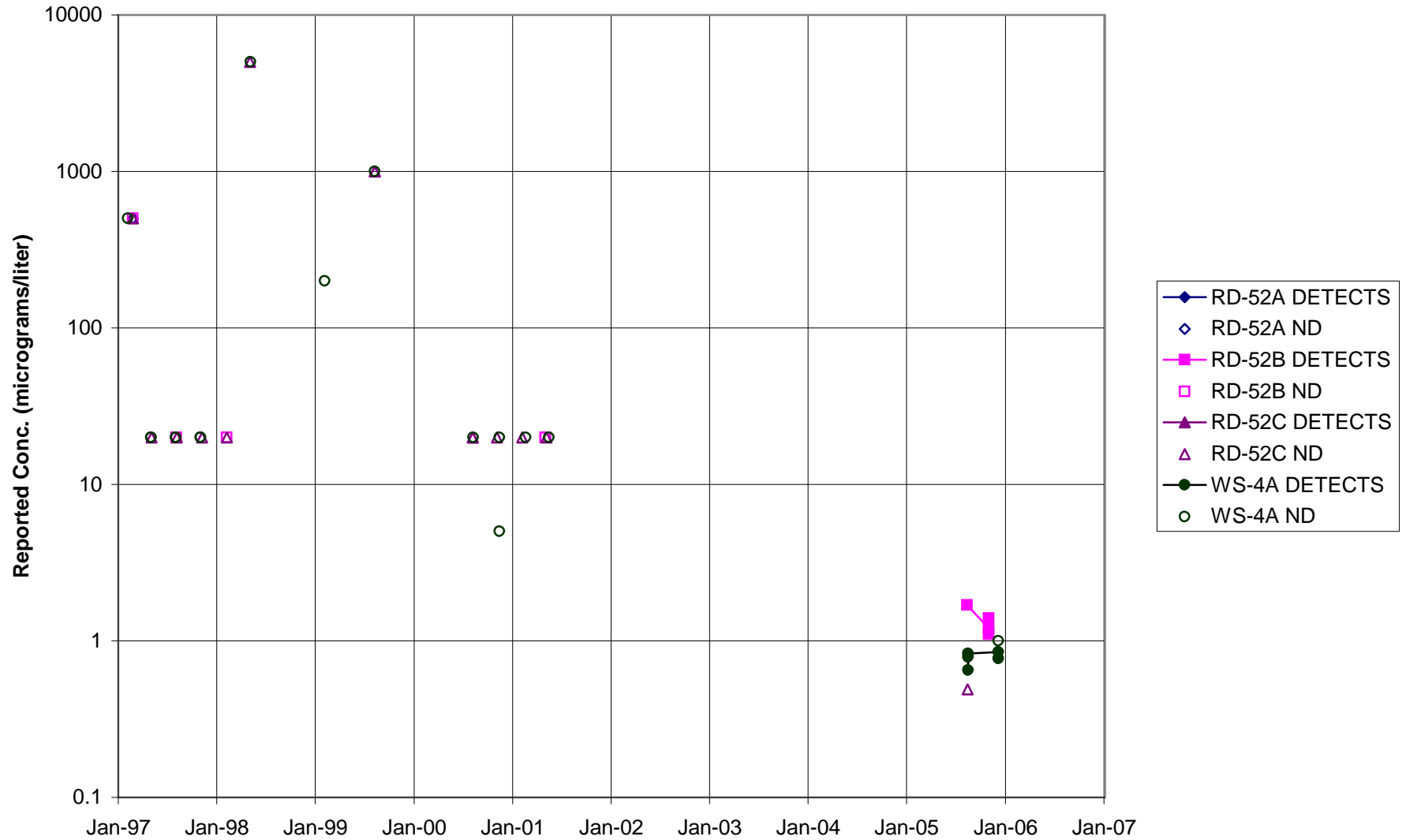


FIGURE F-96. 1,4-DIOXANE in RD-09 AREA WELLS

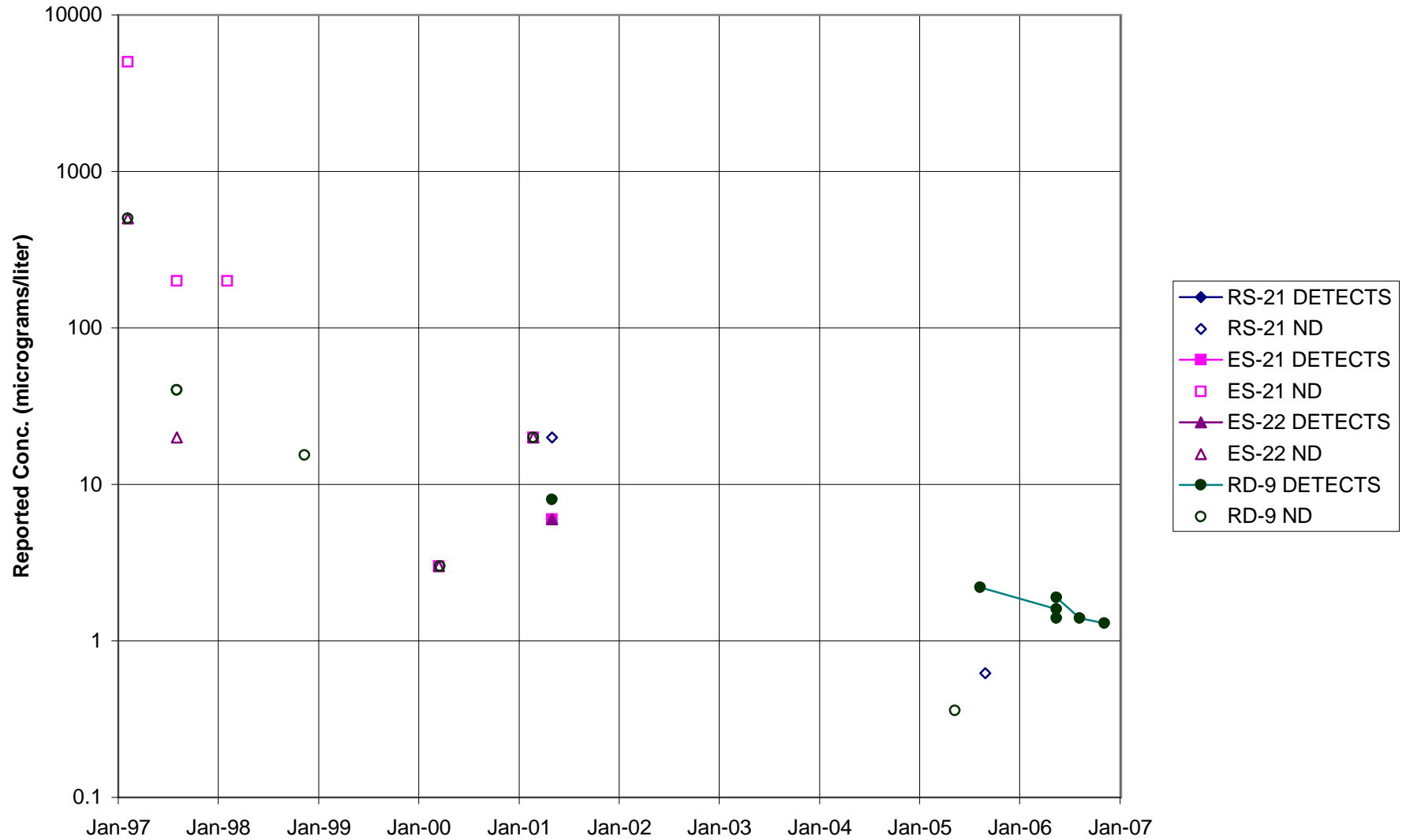


FIGURE F-97. 1,4-DIOXANE IN THE HELIPORT, B/204 AREA WELLS

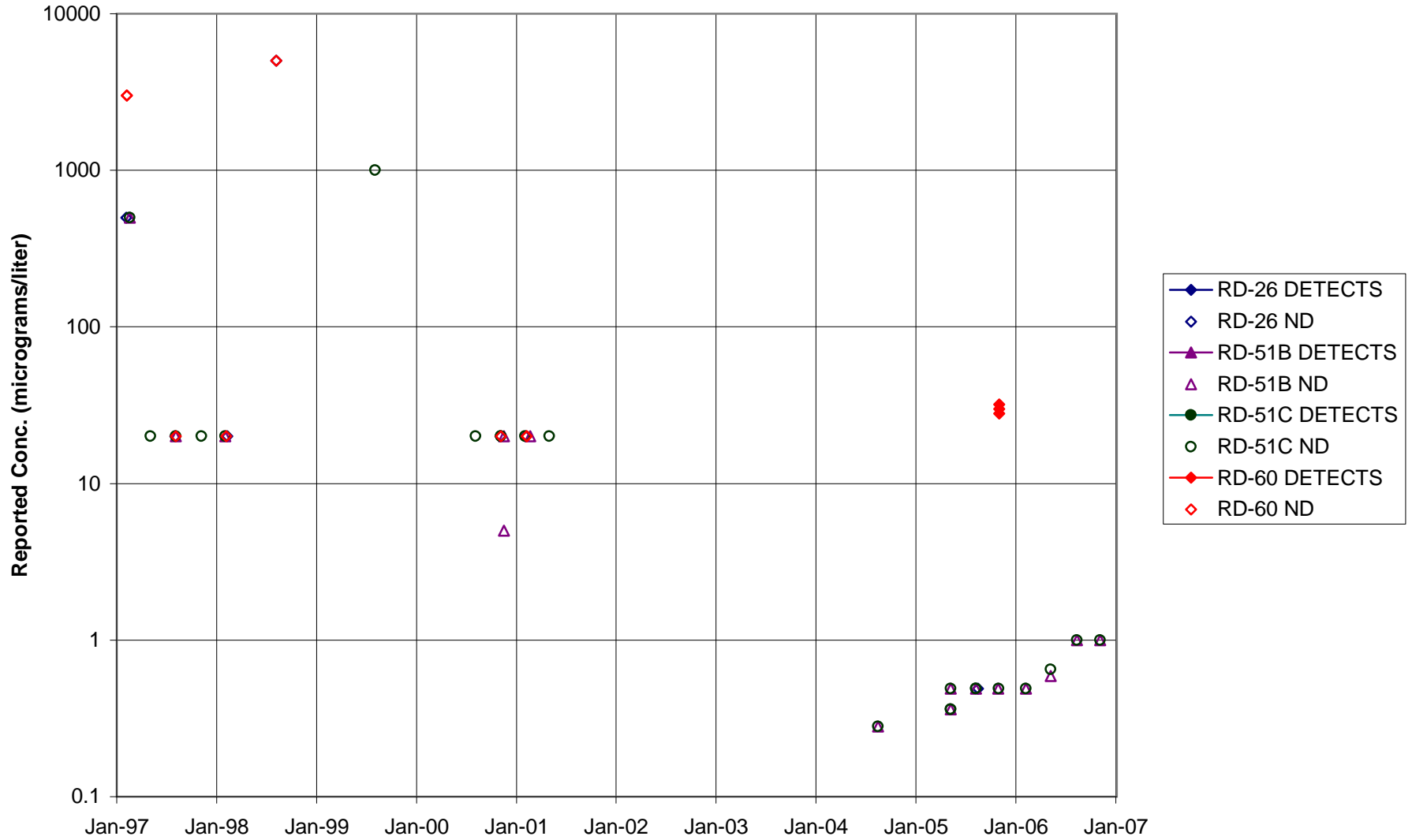


FIGURE F-98. 1,4-DIOXANE in ALFA / BRAVO AREA WELLS

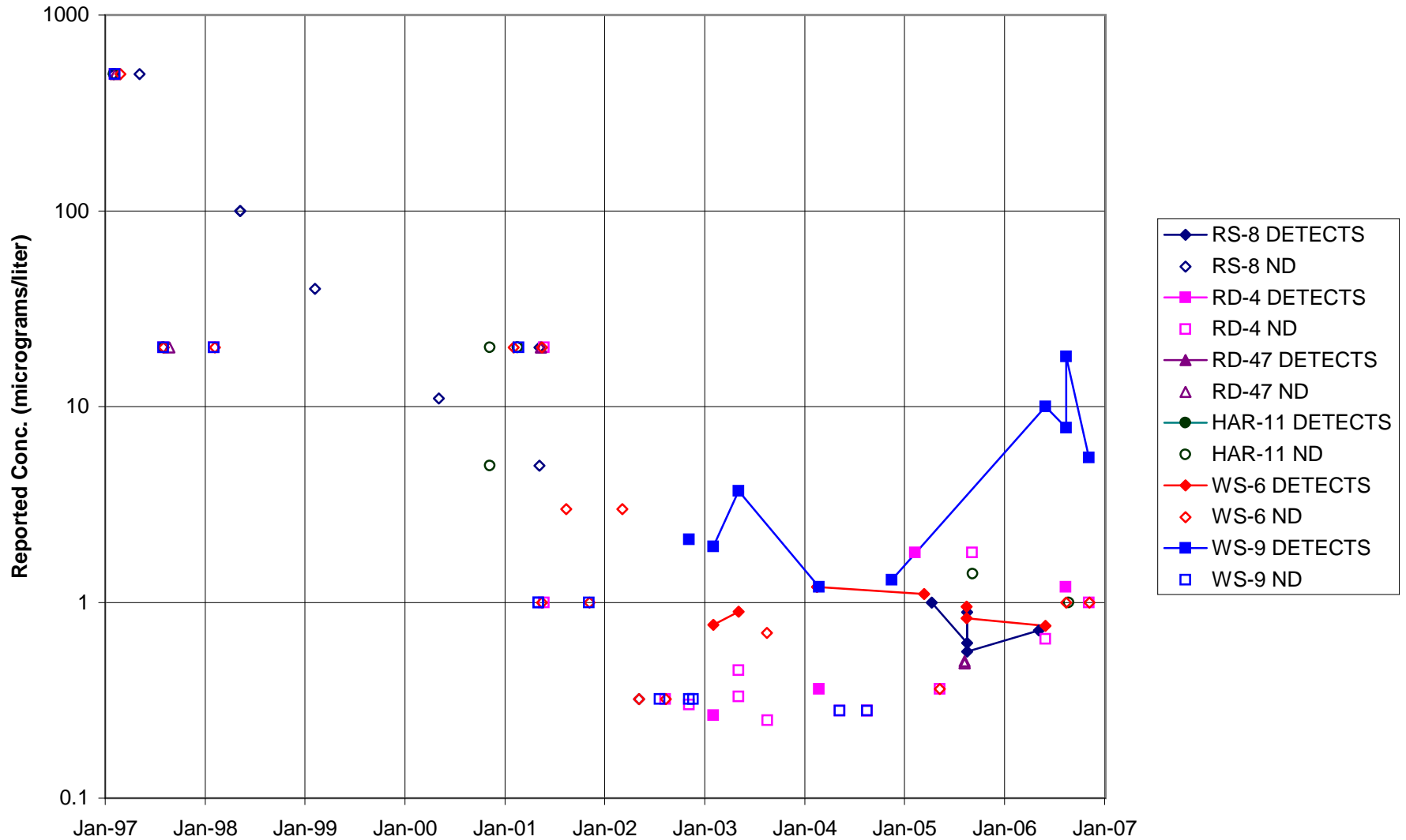


FIGURE F-99. 1,4-DIOXANE in SPA AREA WELLS



FIGURE F-100. 1,4-DIOXANE IN COCA / PLF AREA WELLS

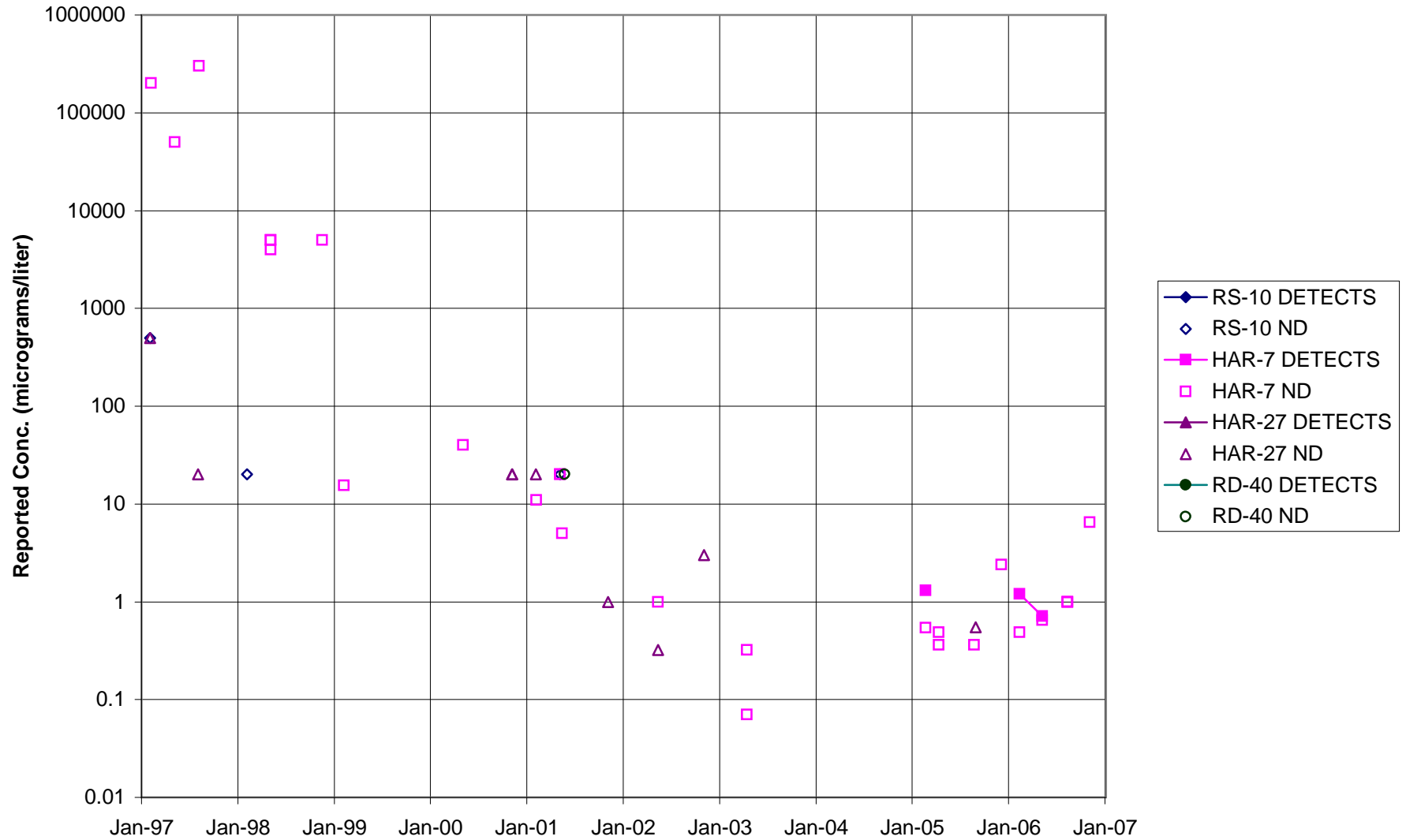


FIGURE F-101. 1,4-DIOXANE in DELTA / BUFFER ZONE AREA WELLS

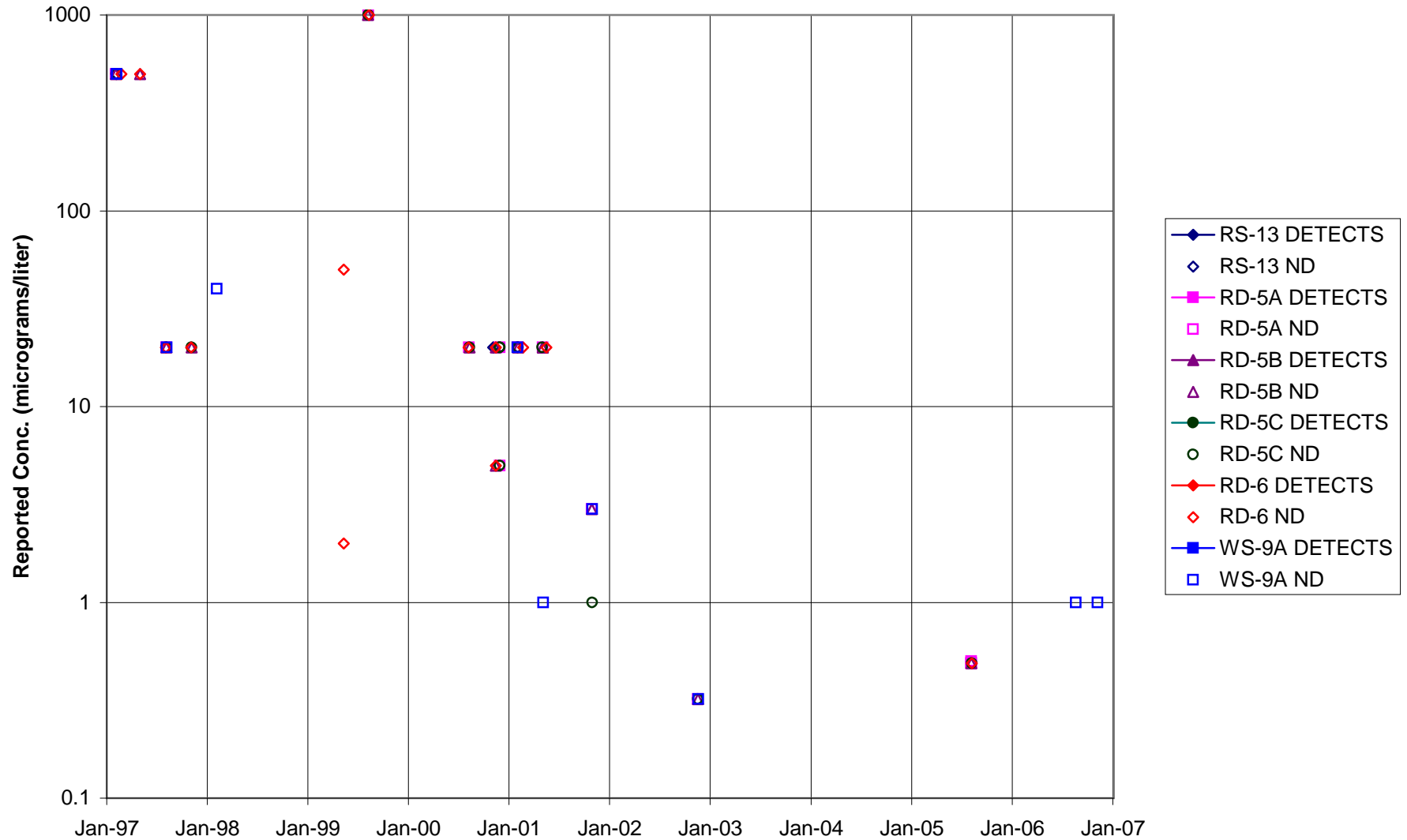


FIGURE F-102. 1,4-DIOXANE IN AREA IV WELLS

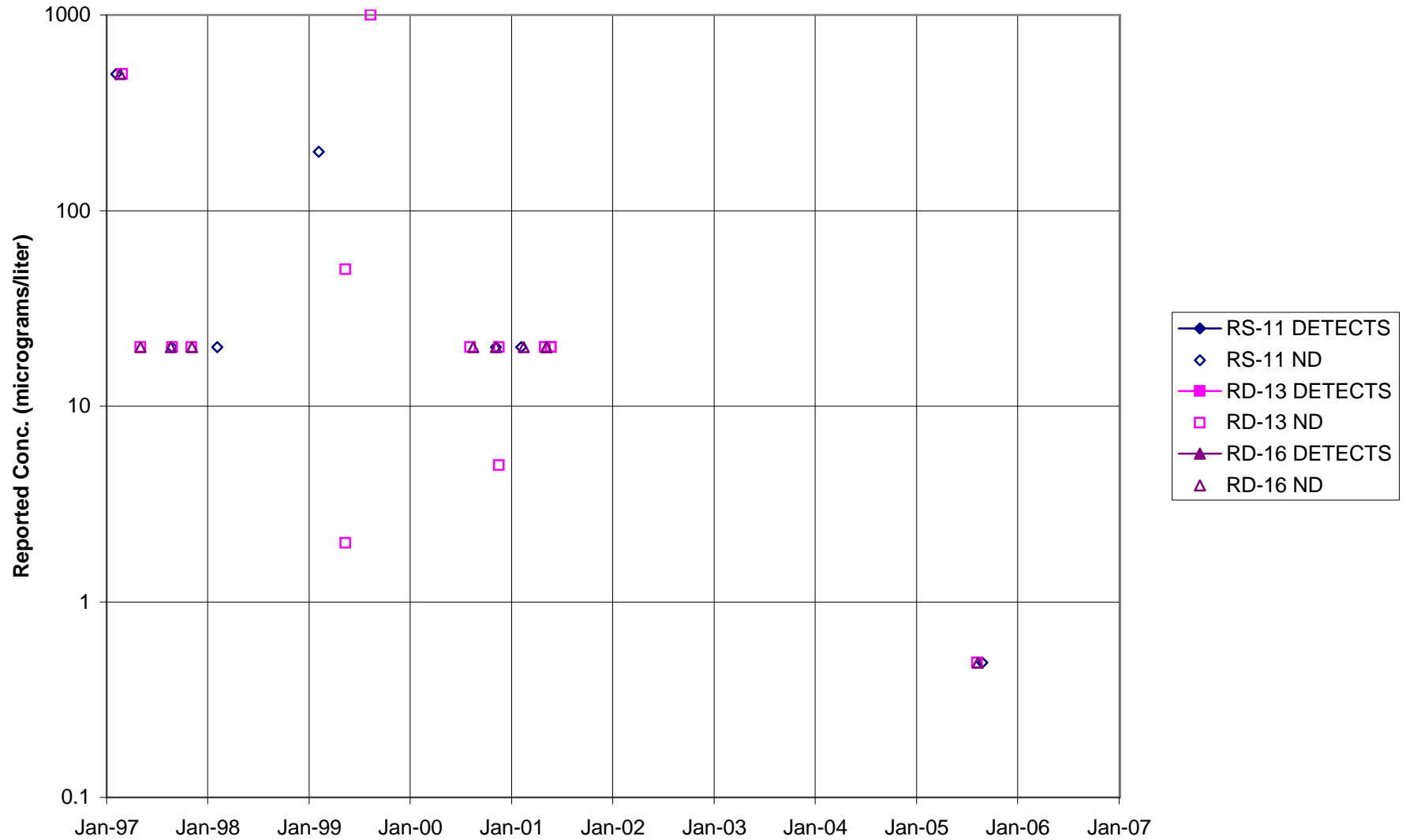


FIGURE F-103. BENZENE in STL-IV AREA SHALLOW WELLS

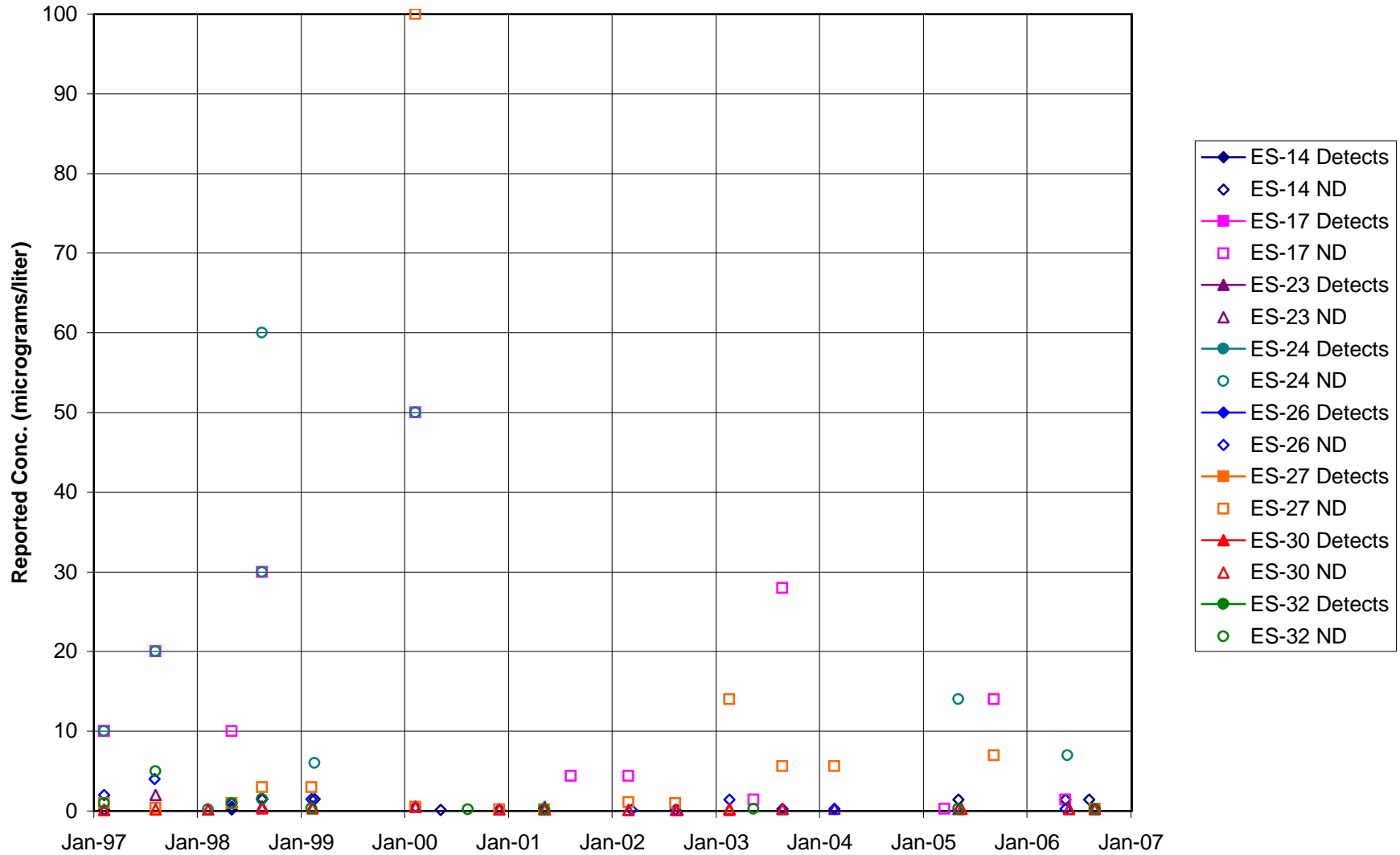


FIGURE F-104. BENZENE in STL-IV AREA CHATSWORTH FORMATION WELLS

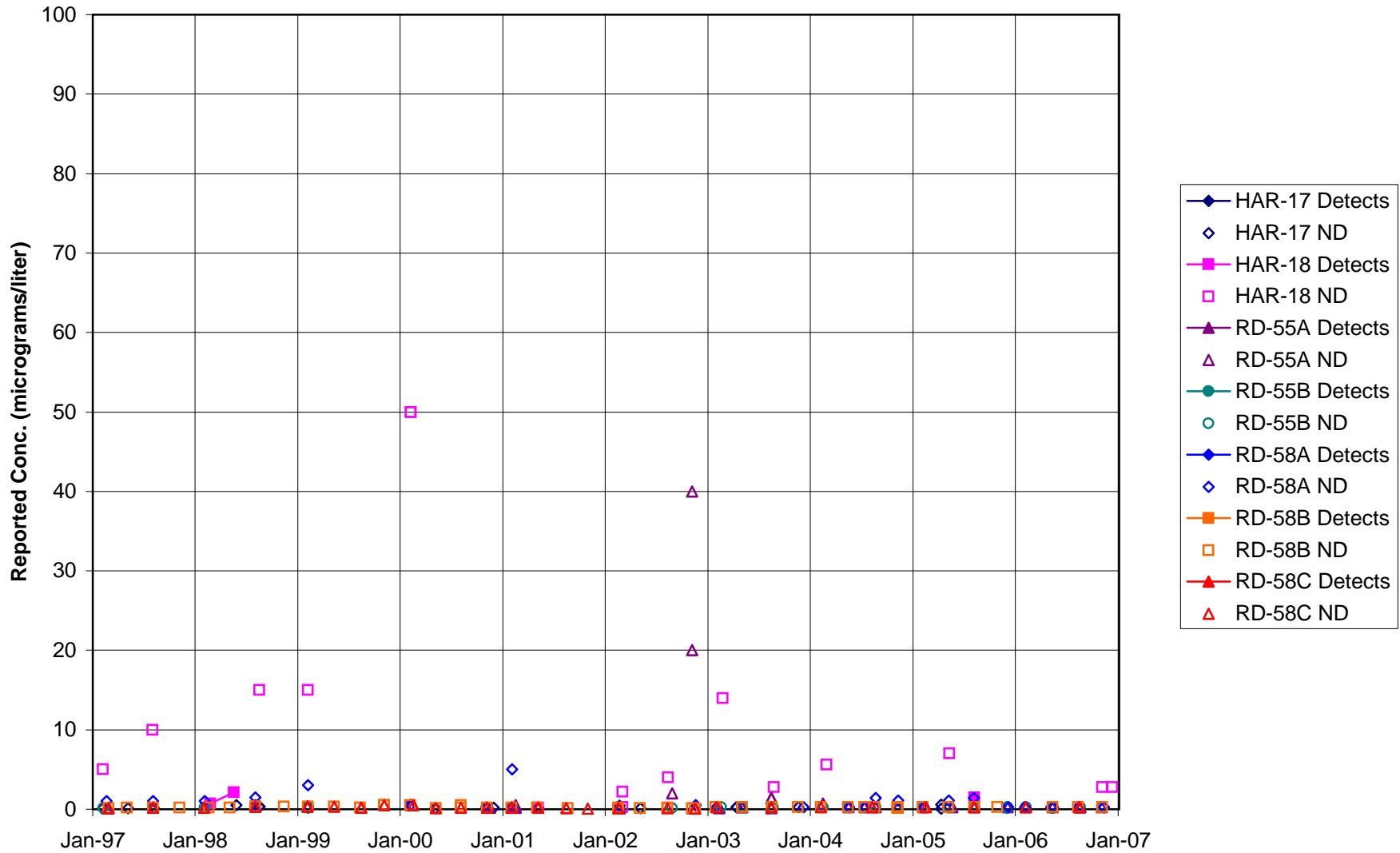


FIGURE F-105. BENZENE in MAIN GATE AREA WELLS - 1

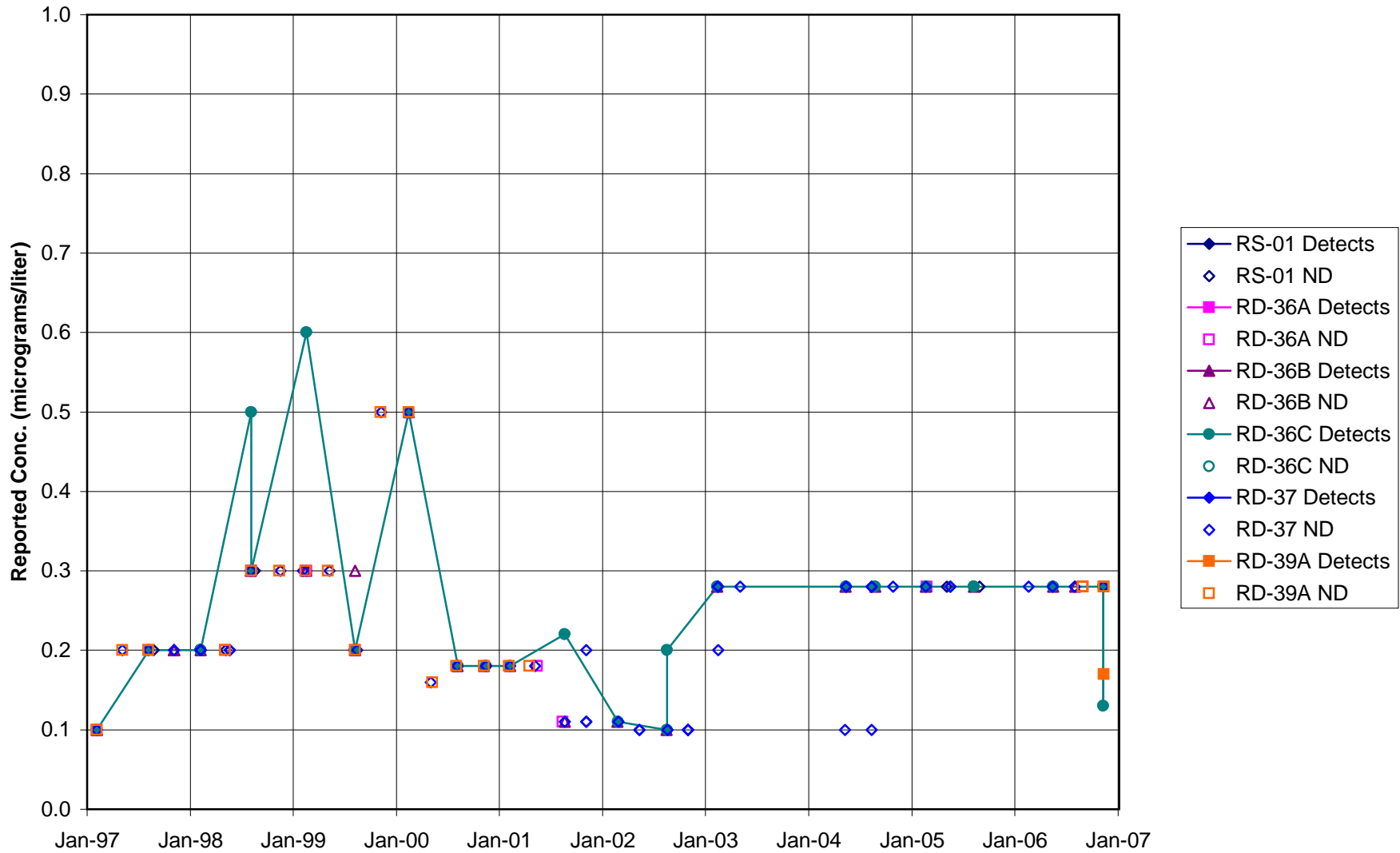


FIGURE F-106. BENZENE in MAIN GATE AREA WELLS - 2

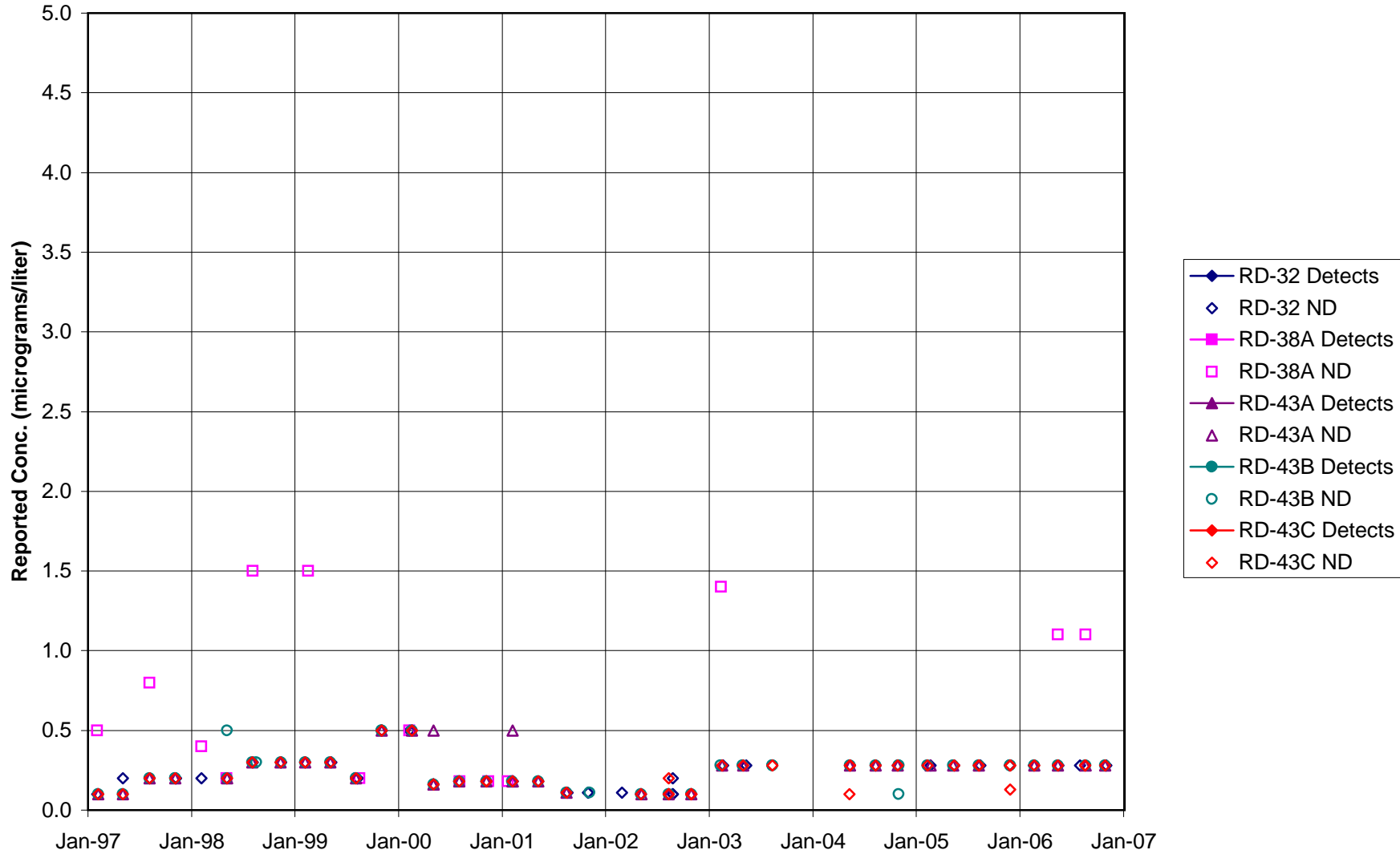


FIGURE F-107. BENZENE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

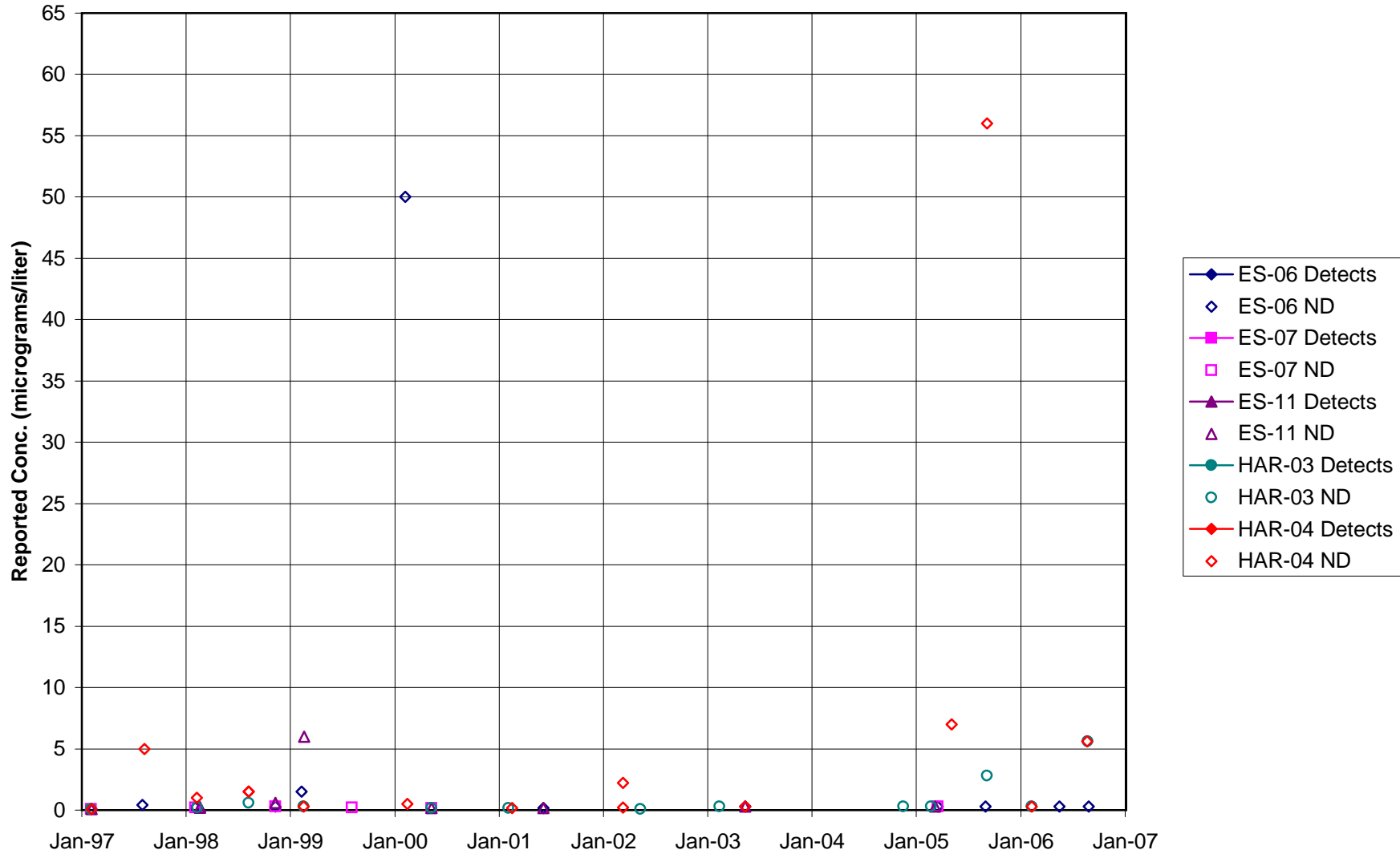


FIGURE F-108. BENZENE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

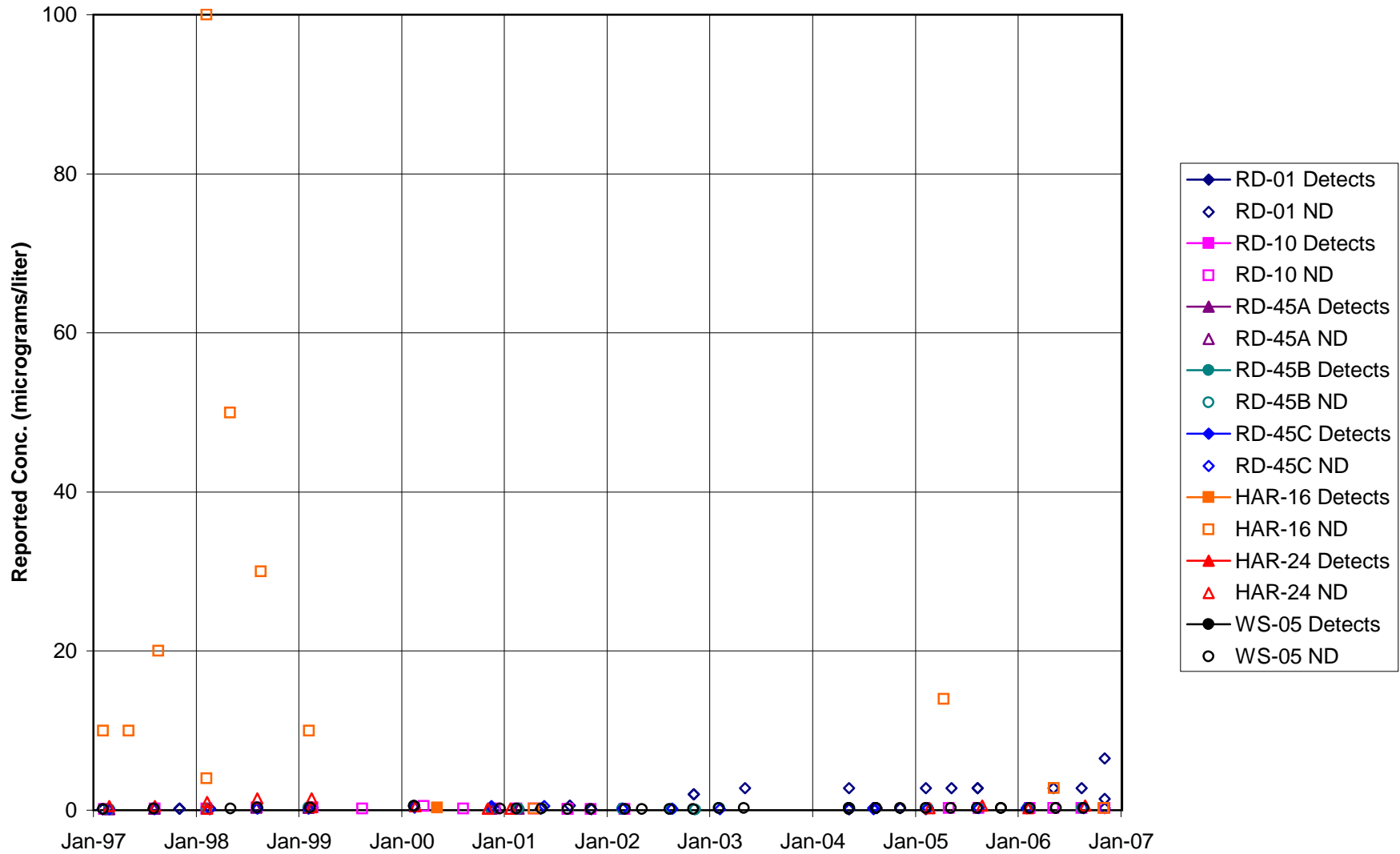


FIGURE F-109. BENZENE in CTL-III / PERIMETER POND AREA WELLS

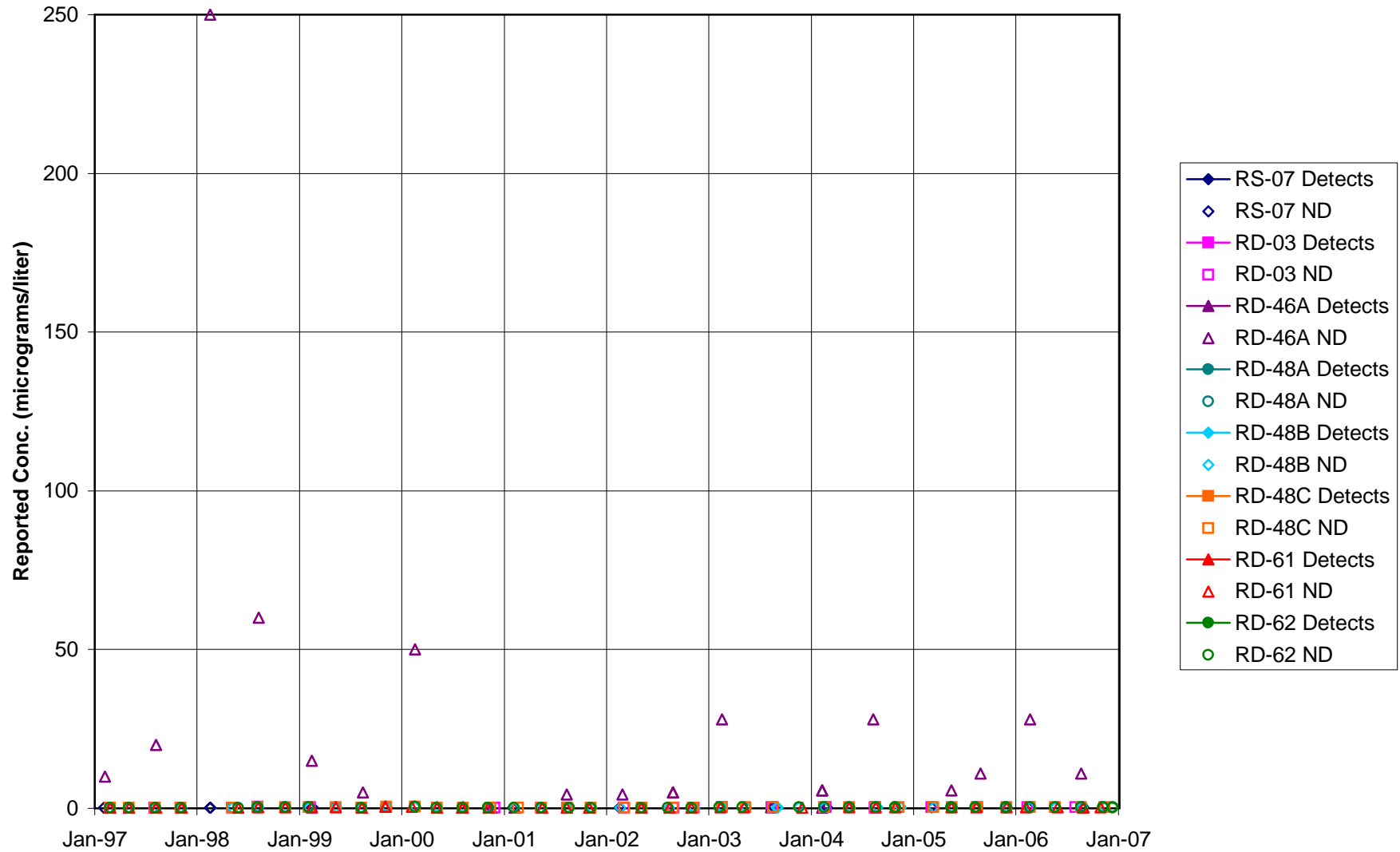


FIGURE F-110. BENZENE in BOWL AREA WELLS

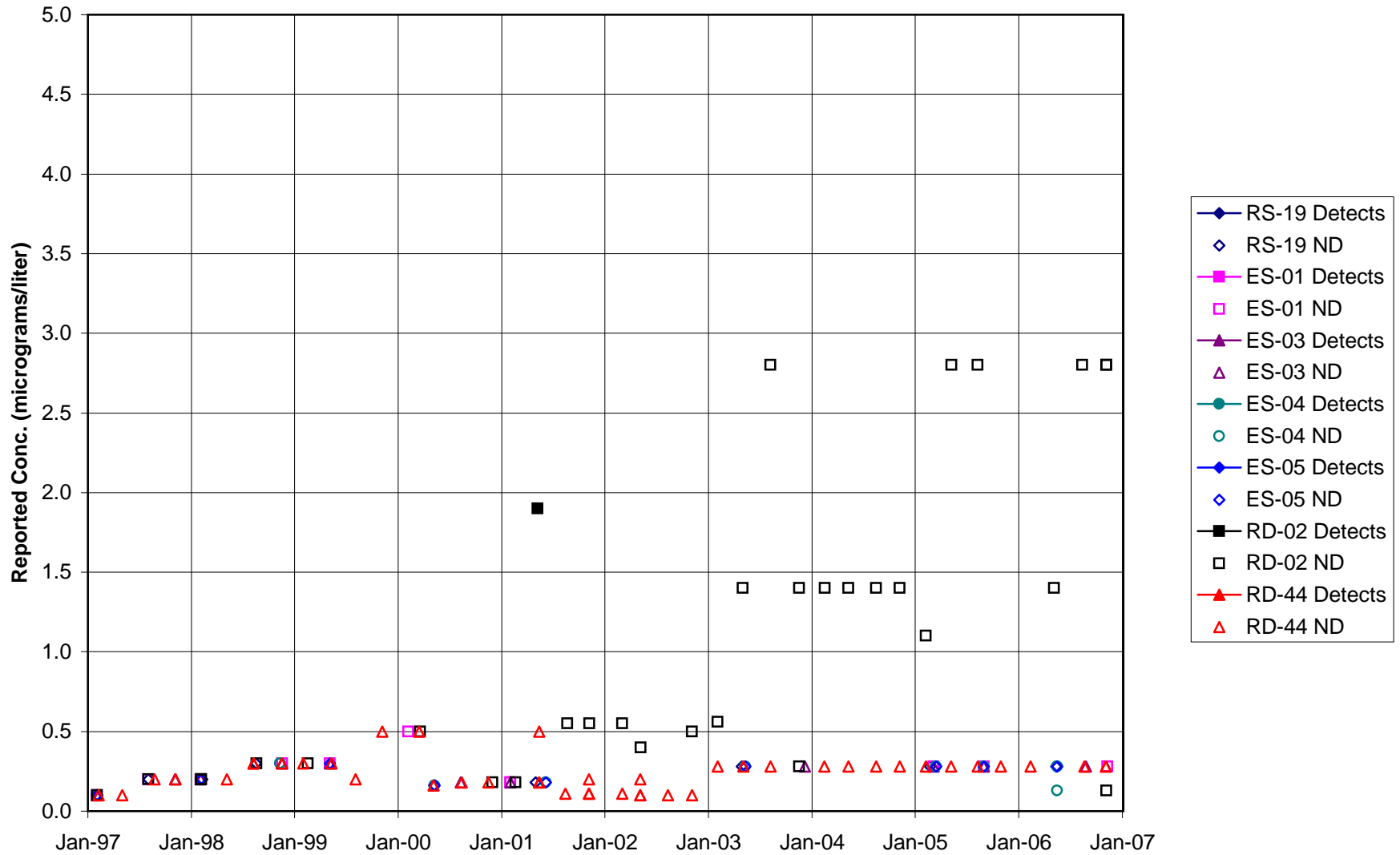


FIGURE F-111. BENZENE in ECL AREA WELLS

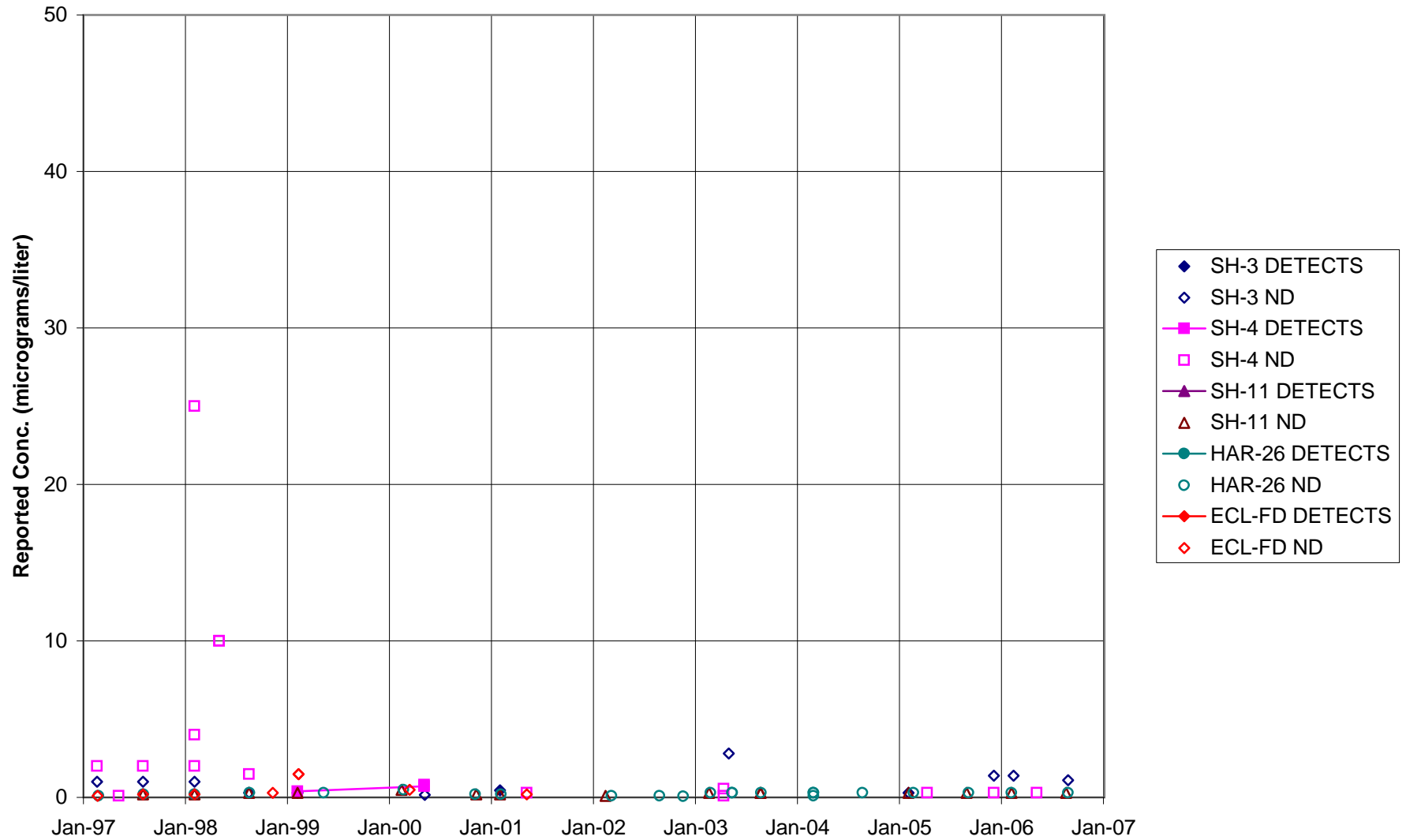


FIGURE F-112. BENZENE in FORMER LOX PLANT AREA WELLS

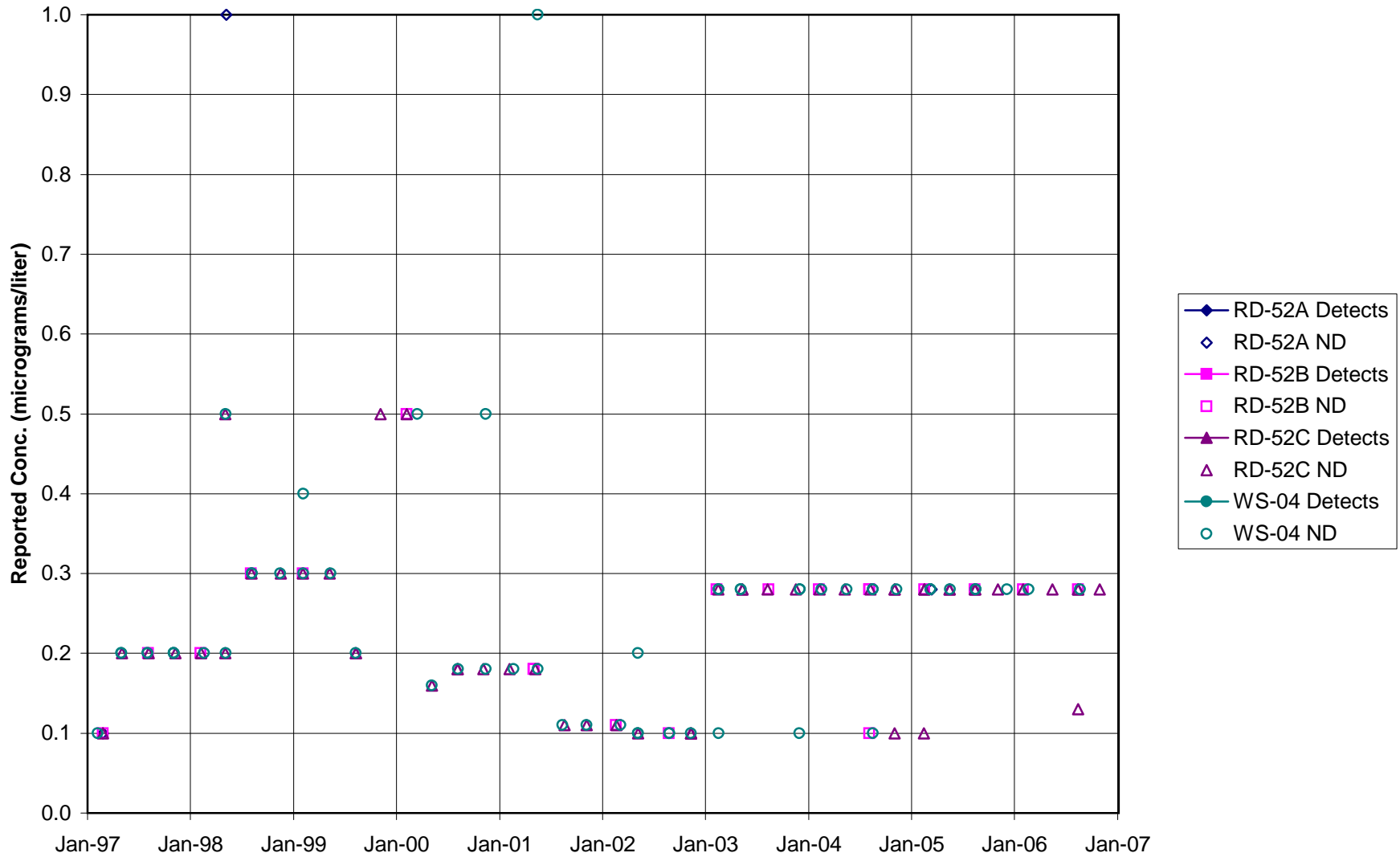


FIGURE F-113. BENZENE in RD- 09 AREA WELLS

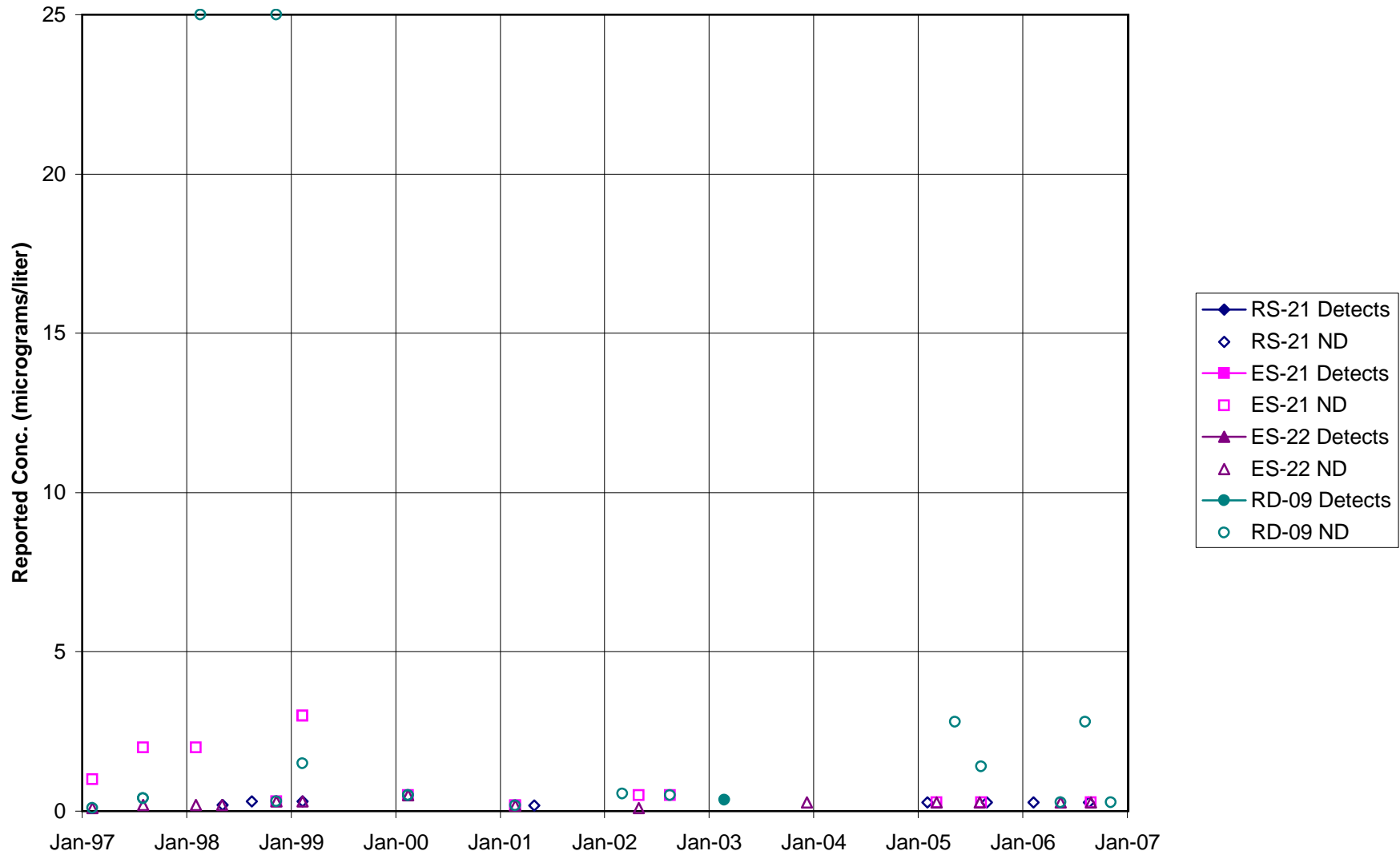


FIGURE F-114. BENZENE in HELIPORT, B/204 AREA WELLS

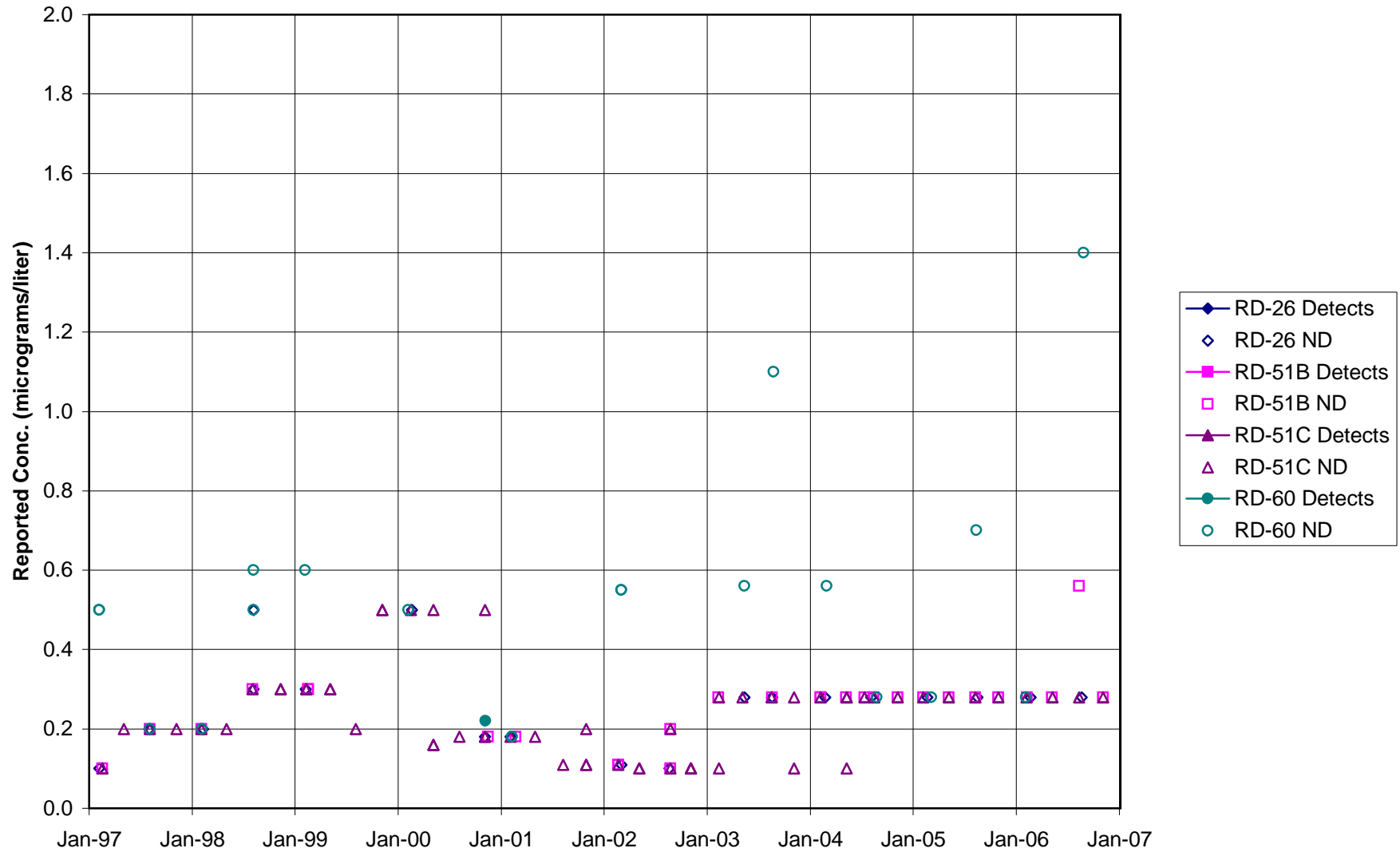


FIGURE F-115. BENZENE in ALFA / BRAVO AREA WELLS

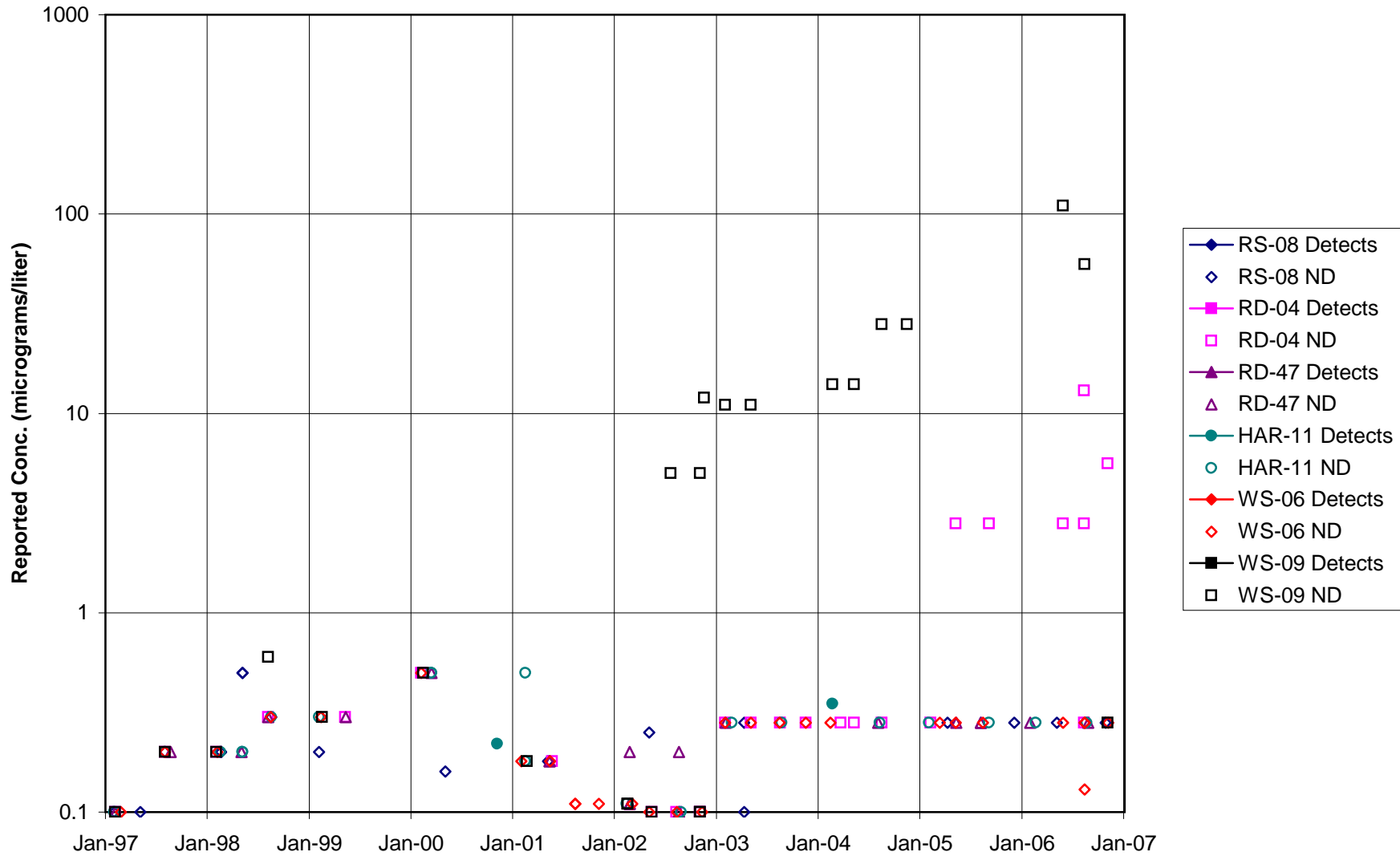


FIGURE F-116. BENZENE in SPA AREA WELLS

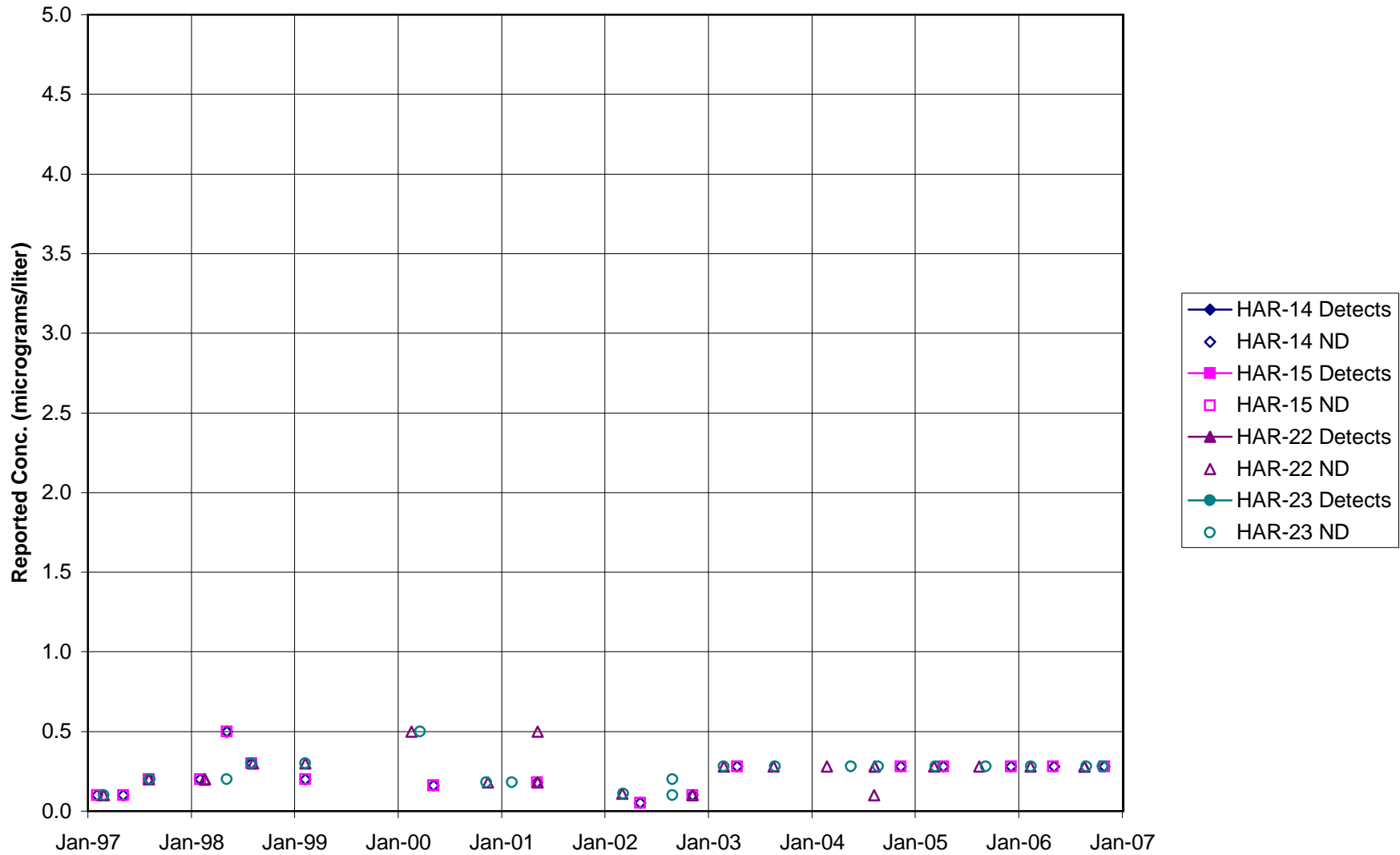


FIGURE F-117. BENZENE in COCA / PLF AREA WELLS

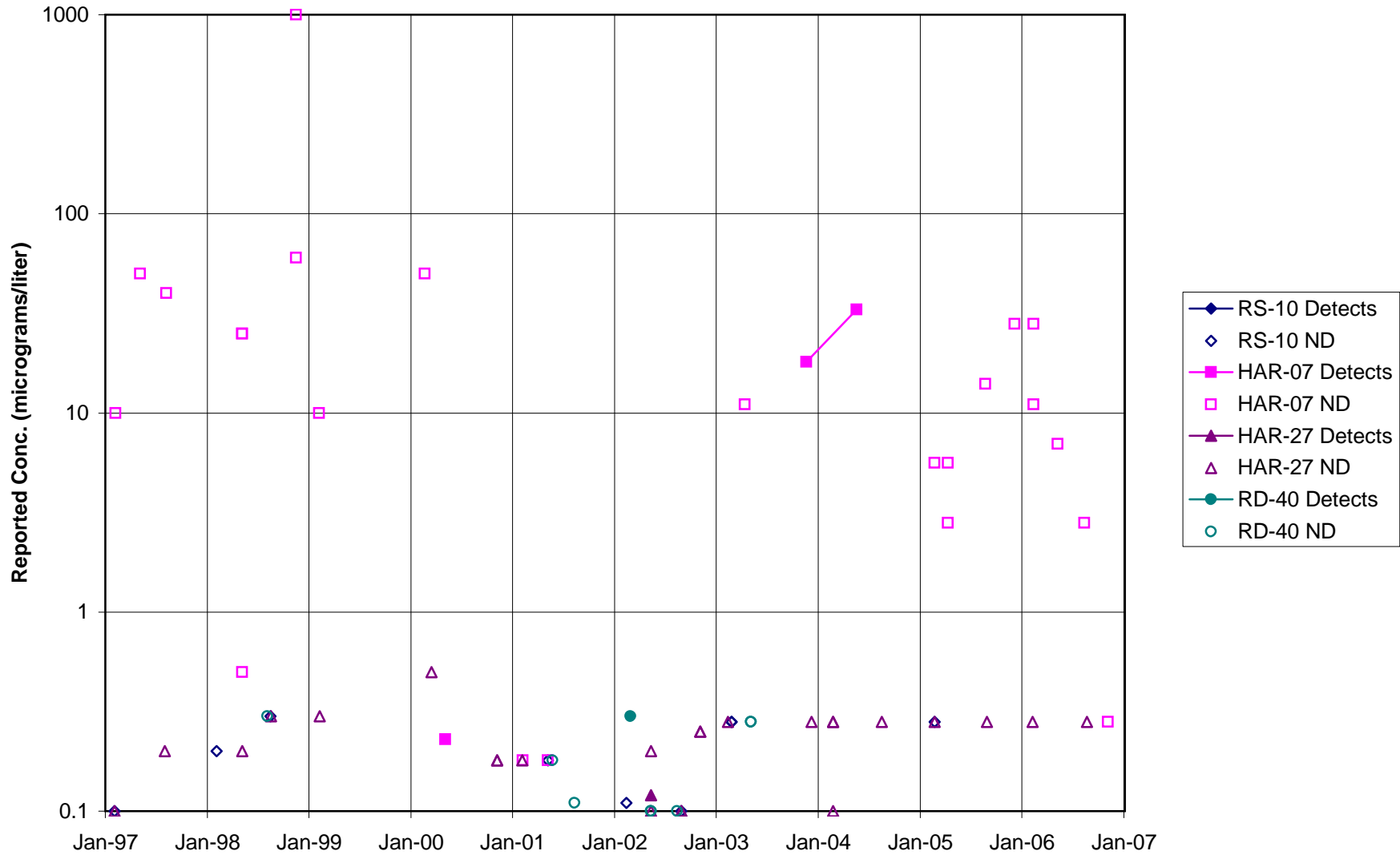


FIGURE F-118. BENZENE in DELTA / BUFFER ZONE AREA WELLS

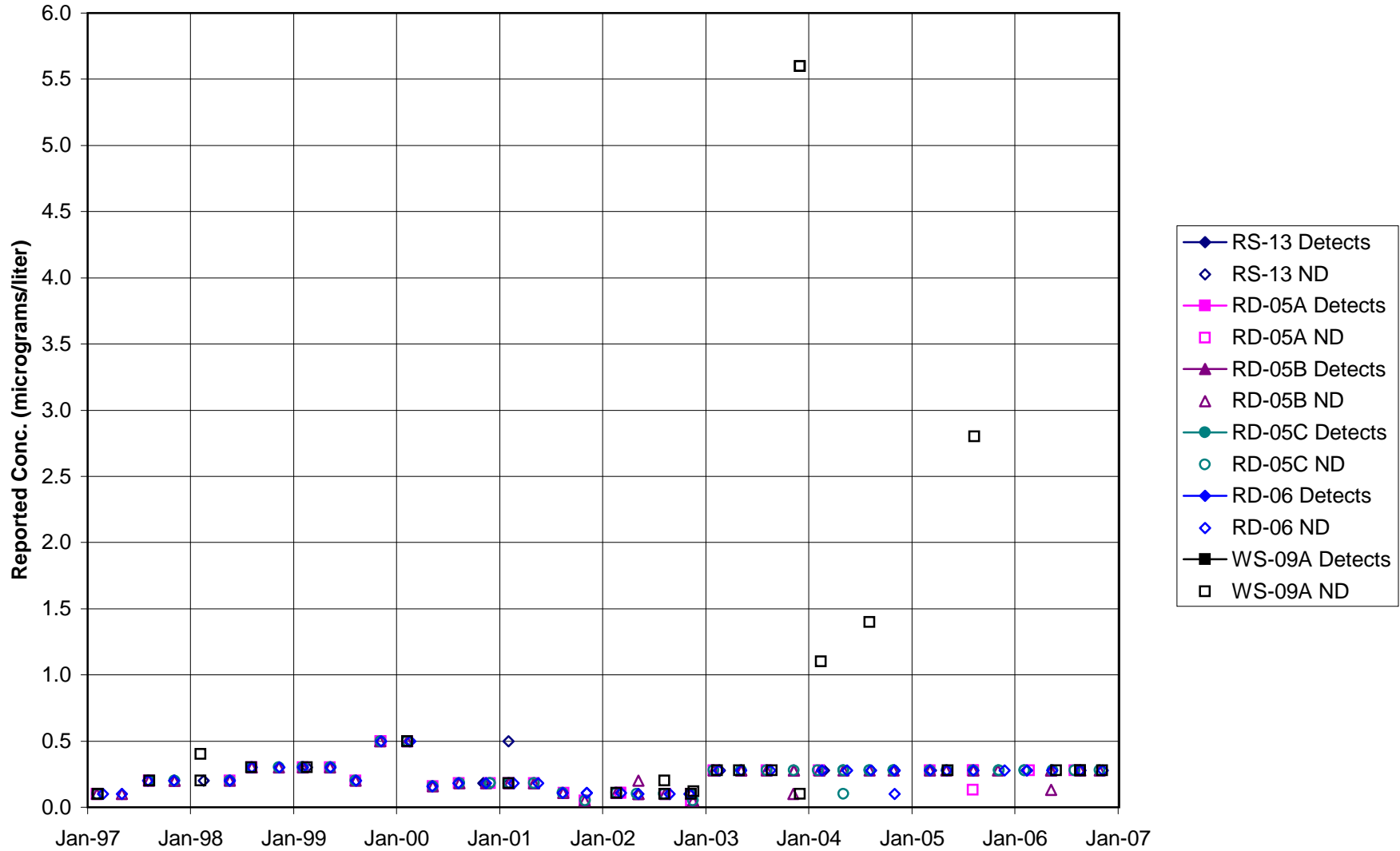


FIGURE F-119. BENZENE in AREA IV AREA WELLS

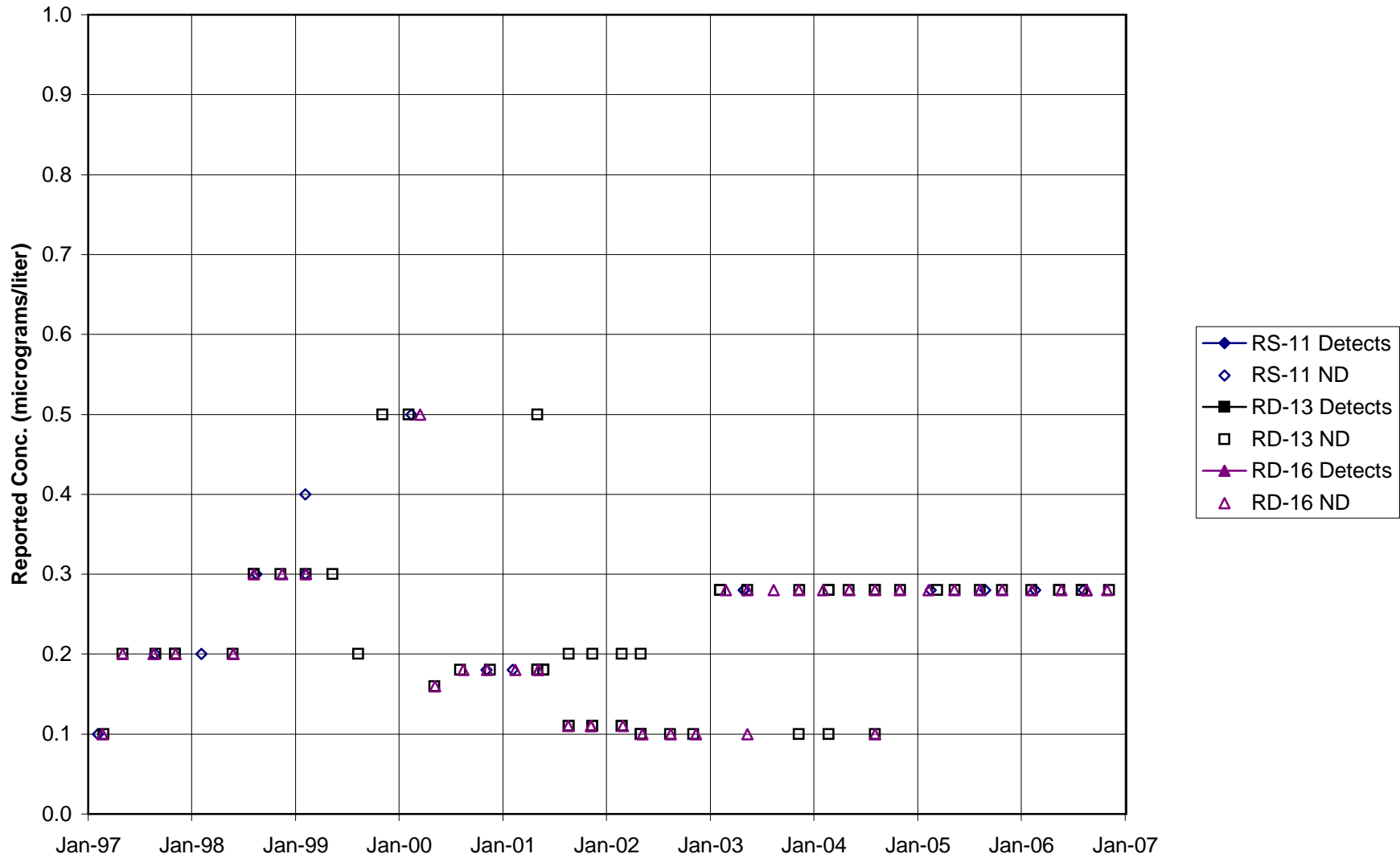


FIGURE F-120. CARBON TETRACHLORIDE in STL-IV AREA SHALLOW WELLS

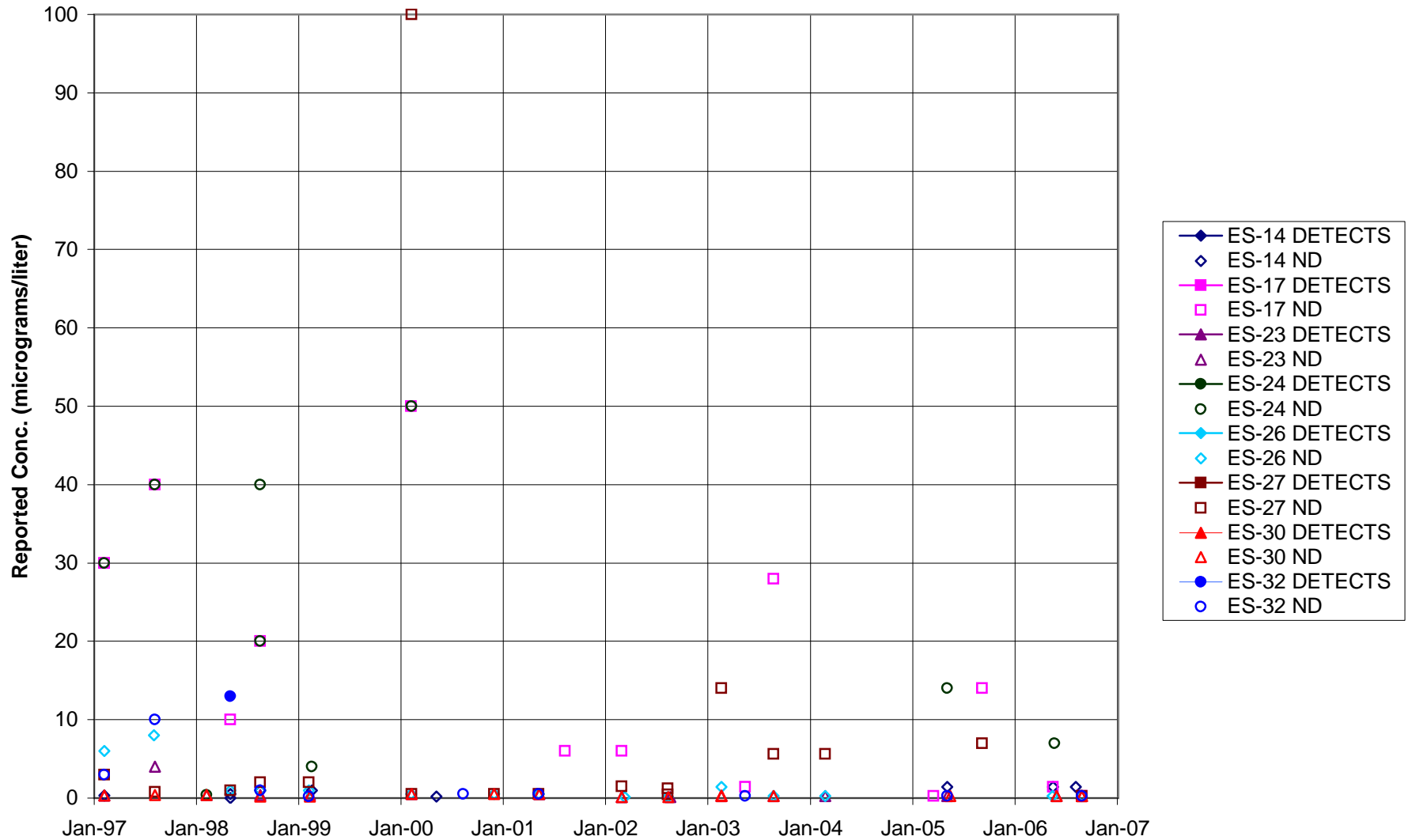


FIGURE F-121. CARBON TETRACHLORIDE in STL-IV AREA CHATSWORTH FORMATION WELLS

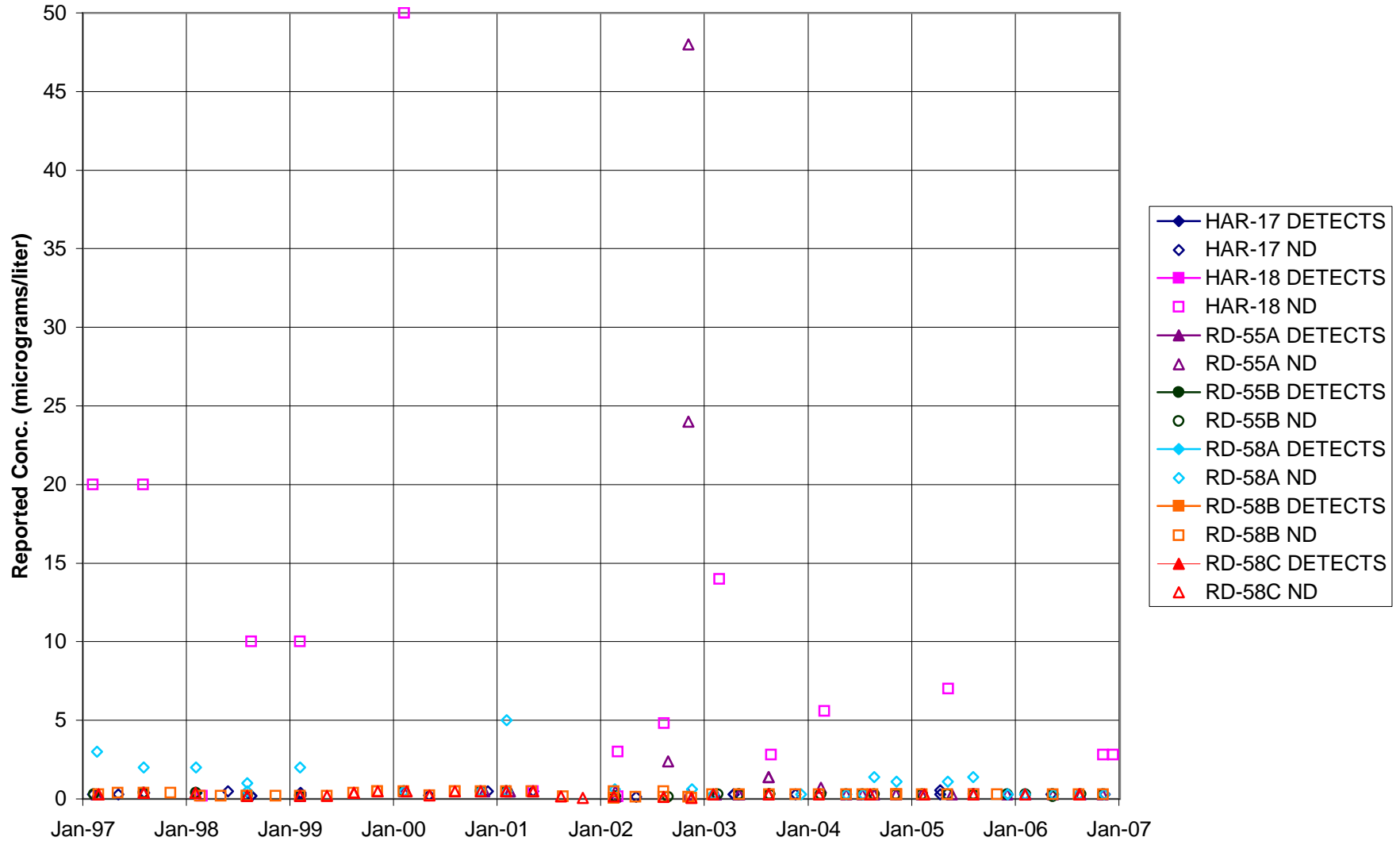


FIGURE F-122. CARBON TETRACHLORIDE in MAIN GATE AREA WELLS - 1

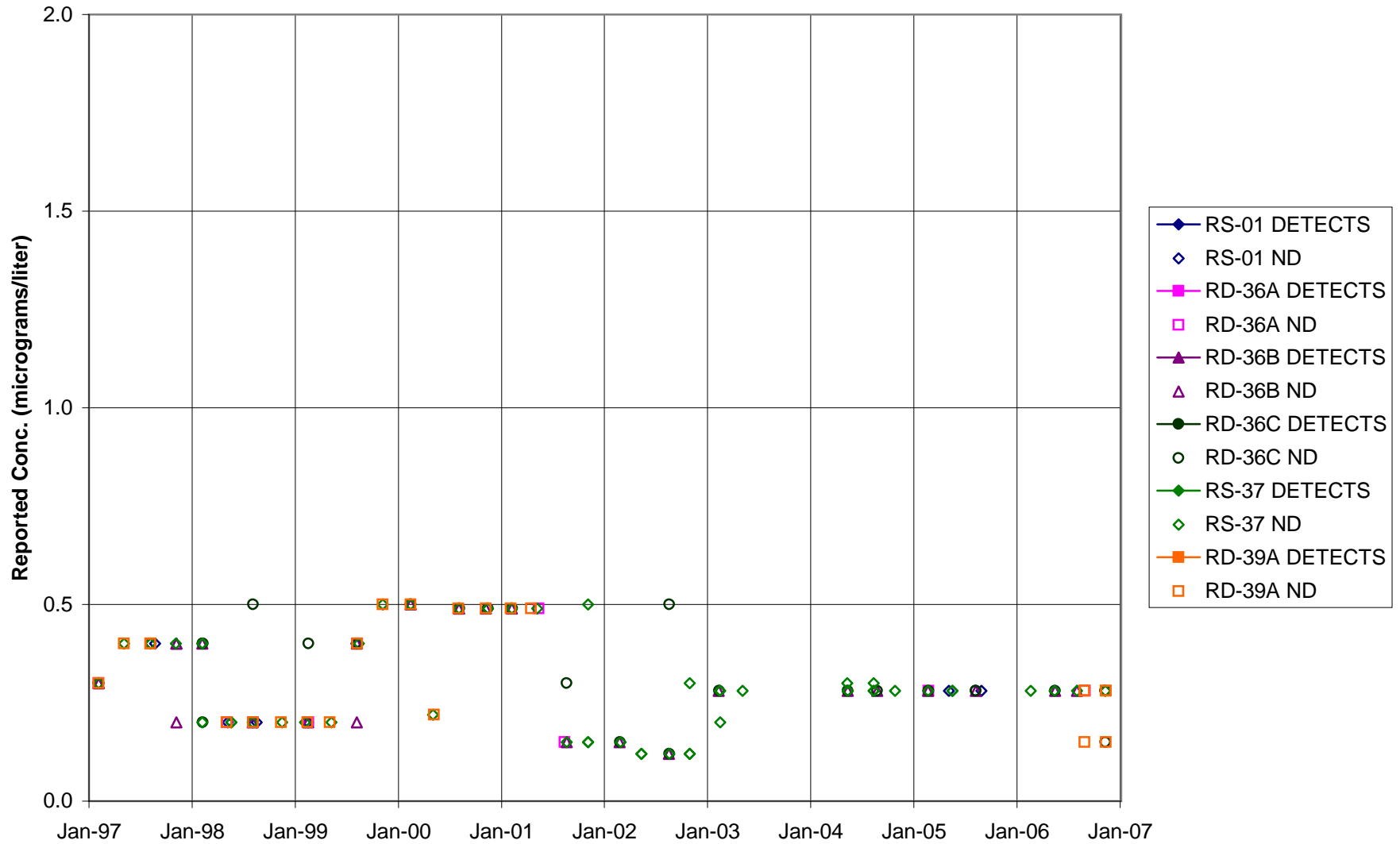


FIGURE F-123. CARBON TETRACHLORIDE in MAIN GATE AREA WELLS - 2

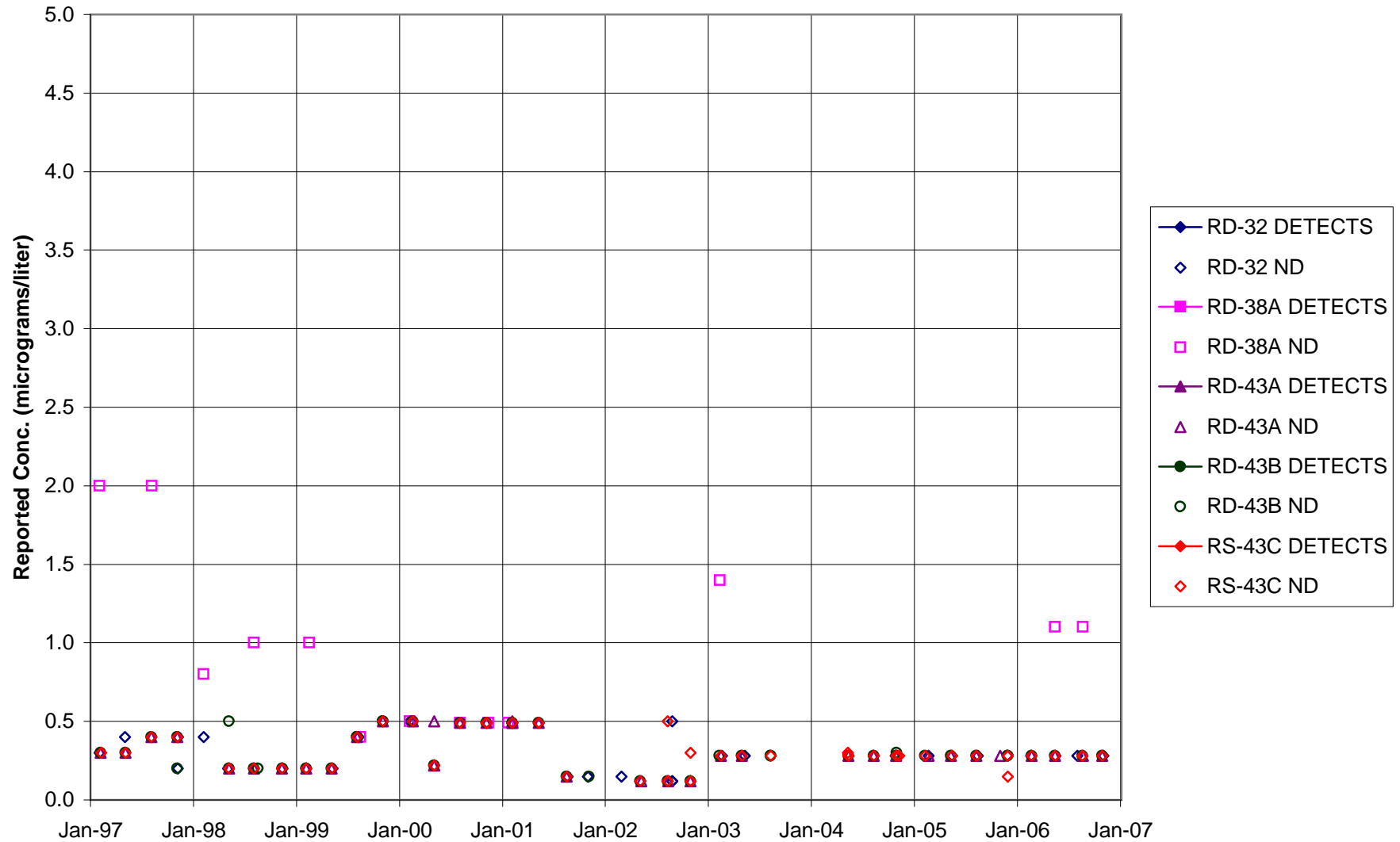


FIGURE F-124. CARBON TETRACHLORIDE in APTF, CANYON, & HAPPY VALLEY WELLS - 1

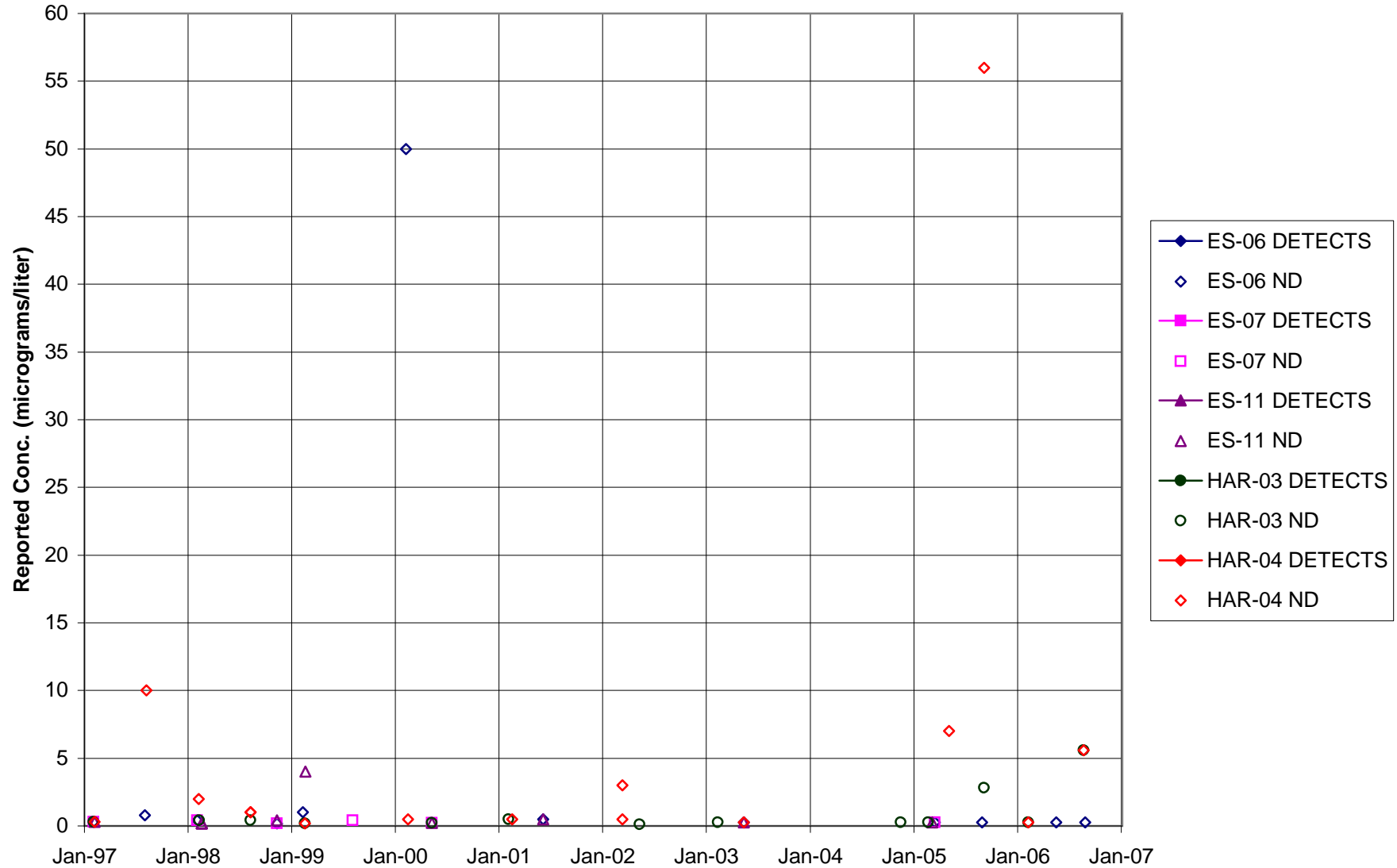


FIGURE F-125. CARBON TETRACHLORIDE in APTF, CANYON, & HAPPY VALLEY WELLS - 2

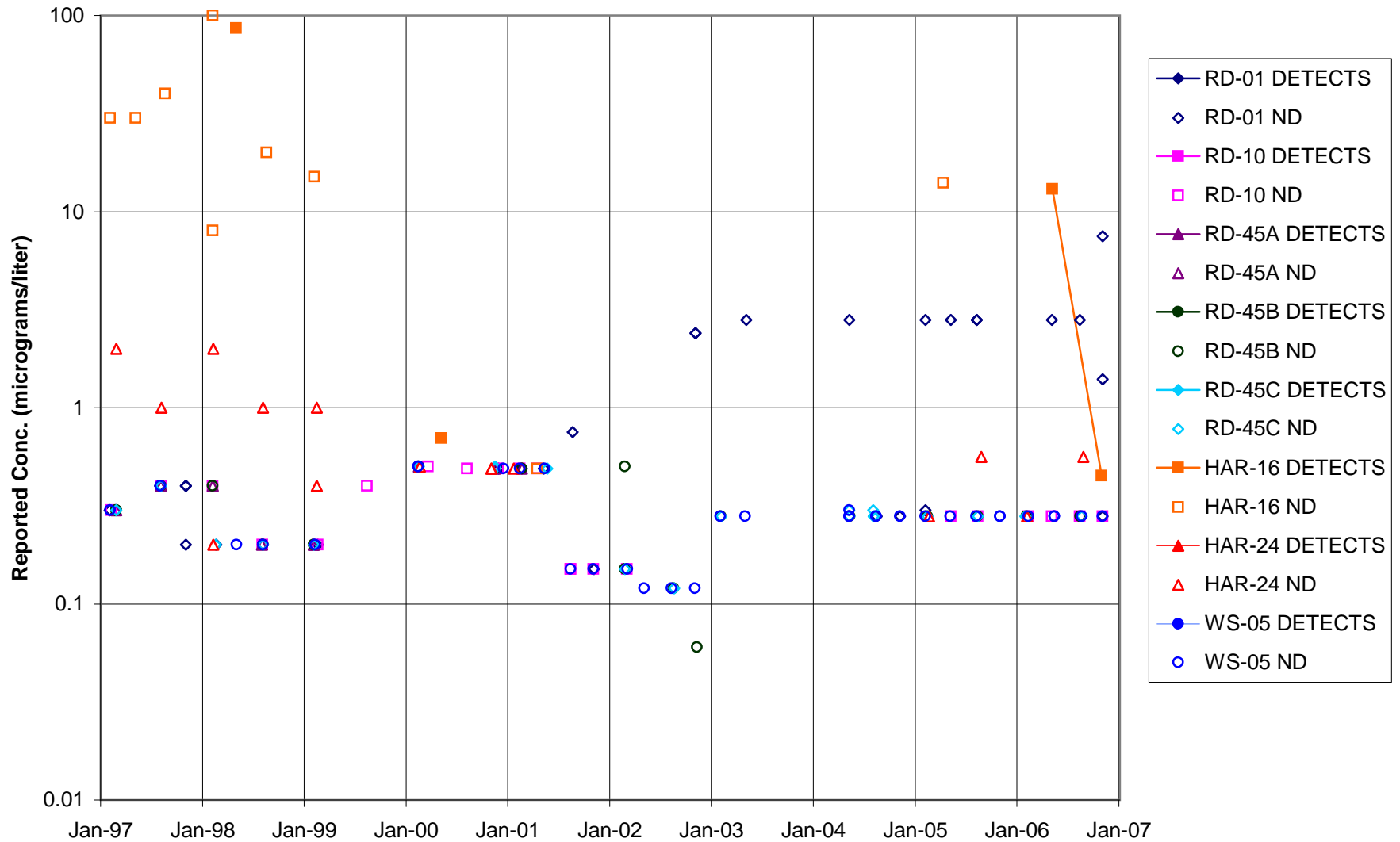


FIGURE F-126. CARBON TETRACHLORIDE in CTL-III / PERIMETER POND AREA WELLS

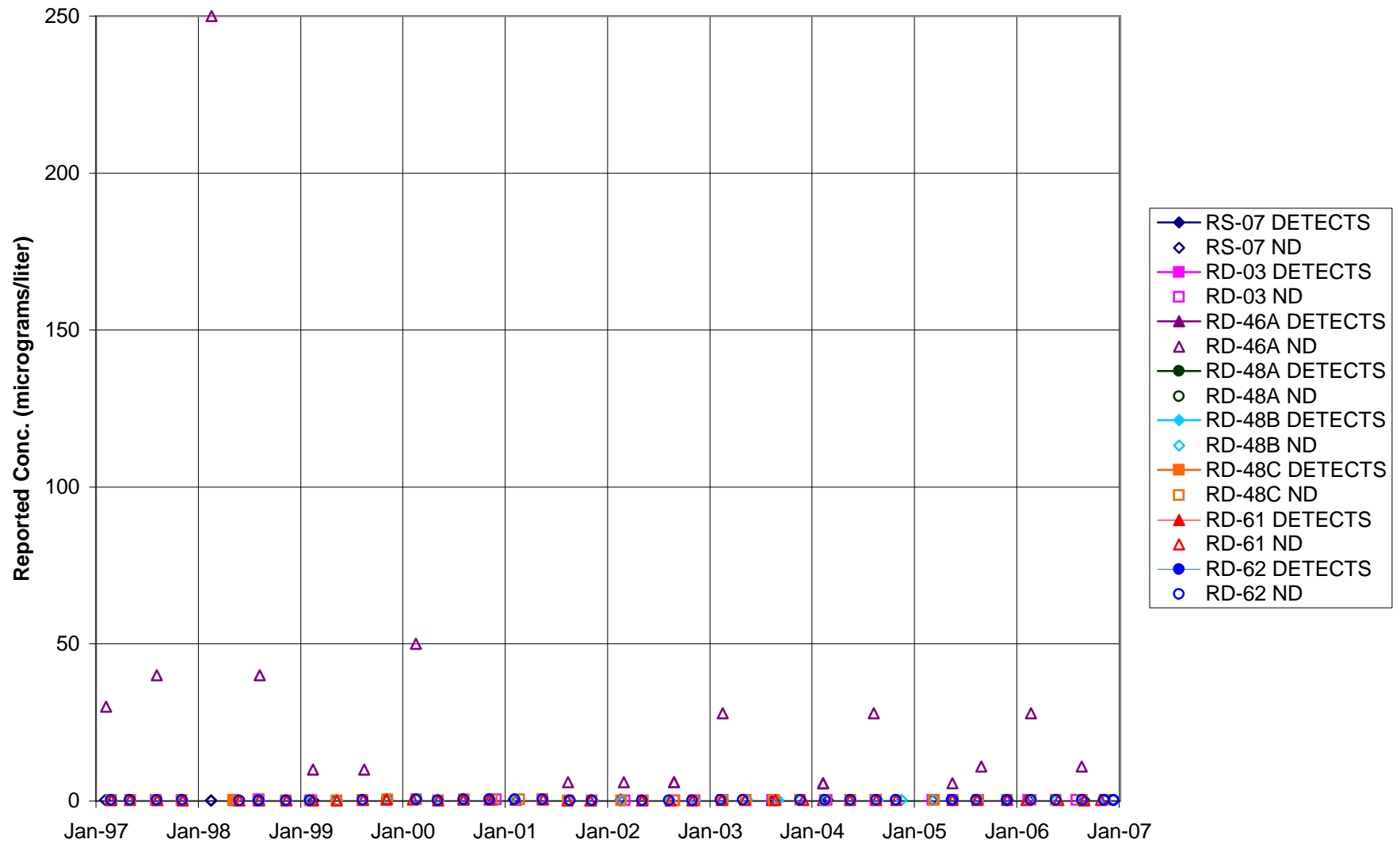


FIGURE F-127. CARBON TETRACHLORIDE in BOWL AREA WELLS

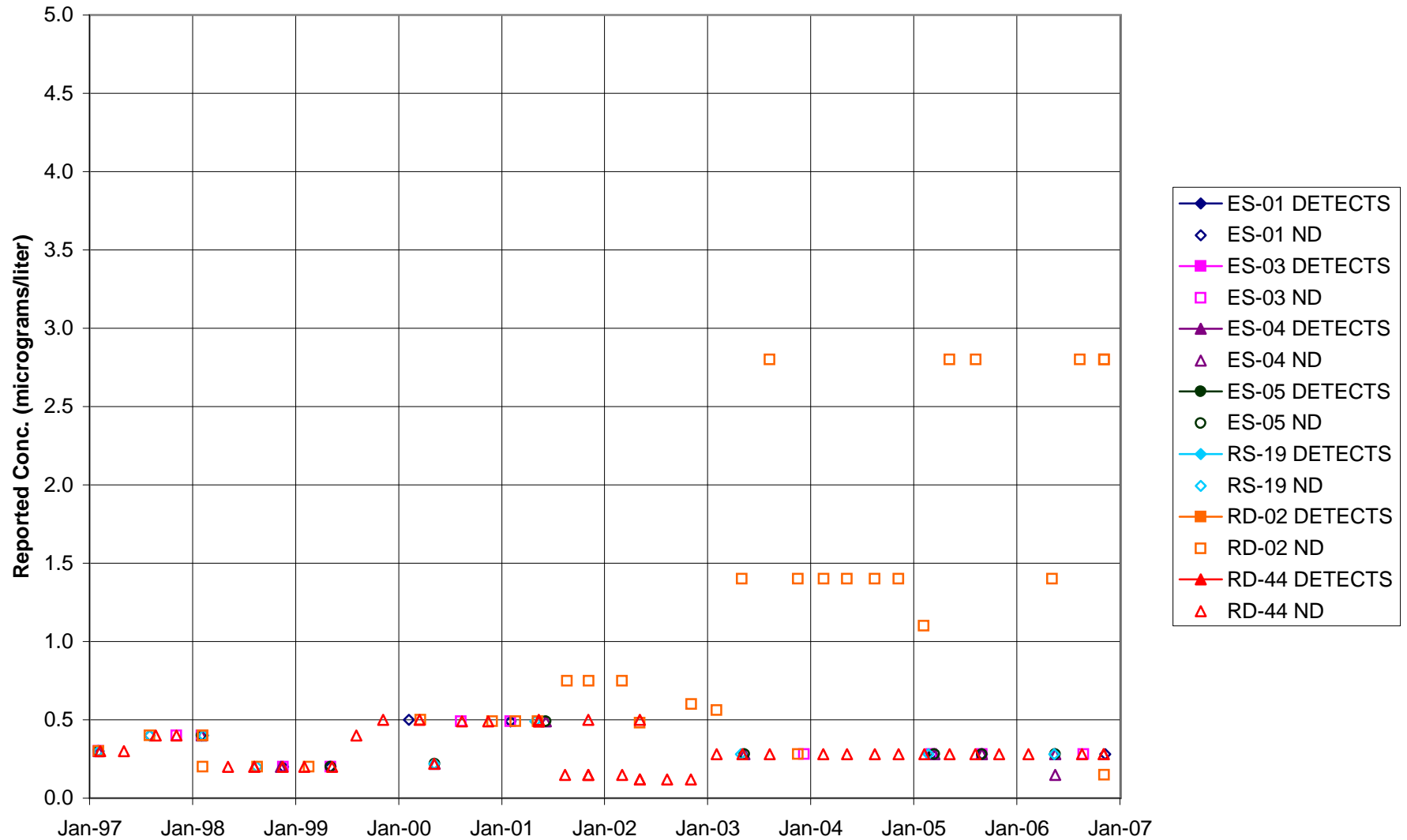


FIGURE F-128. CARBON TETRACHLORIDE in ECL AREA WELLS

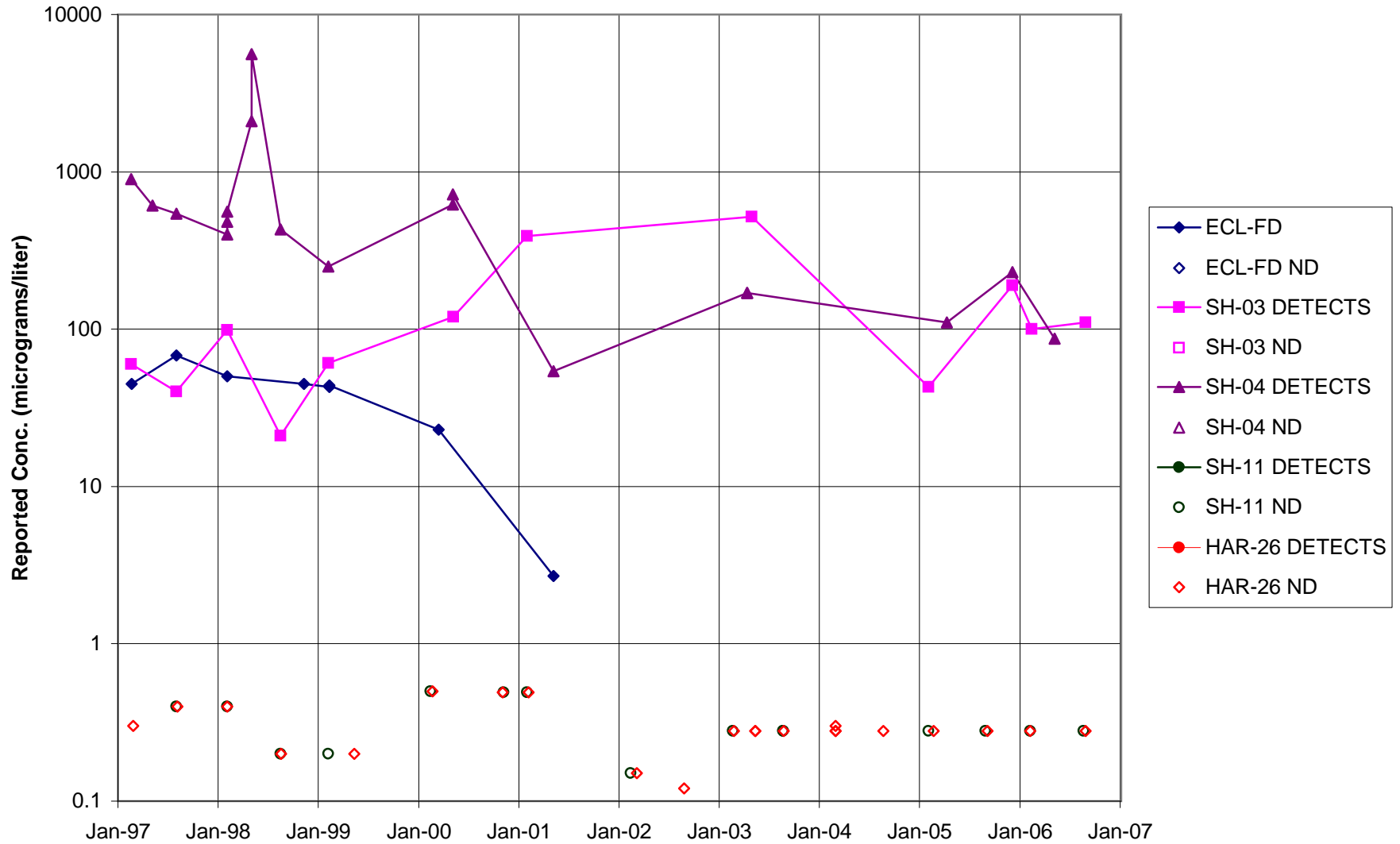


FIGURE F-129. CARBON TETRACHLORIDE in FORMER LOX PLANT AREA WELLS

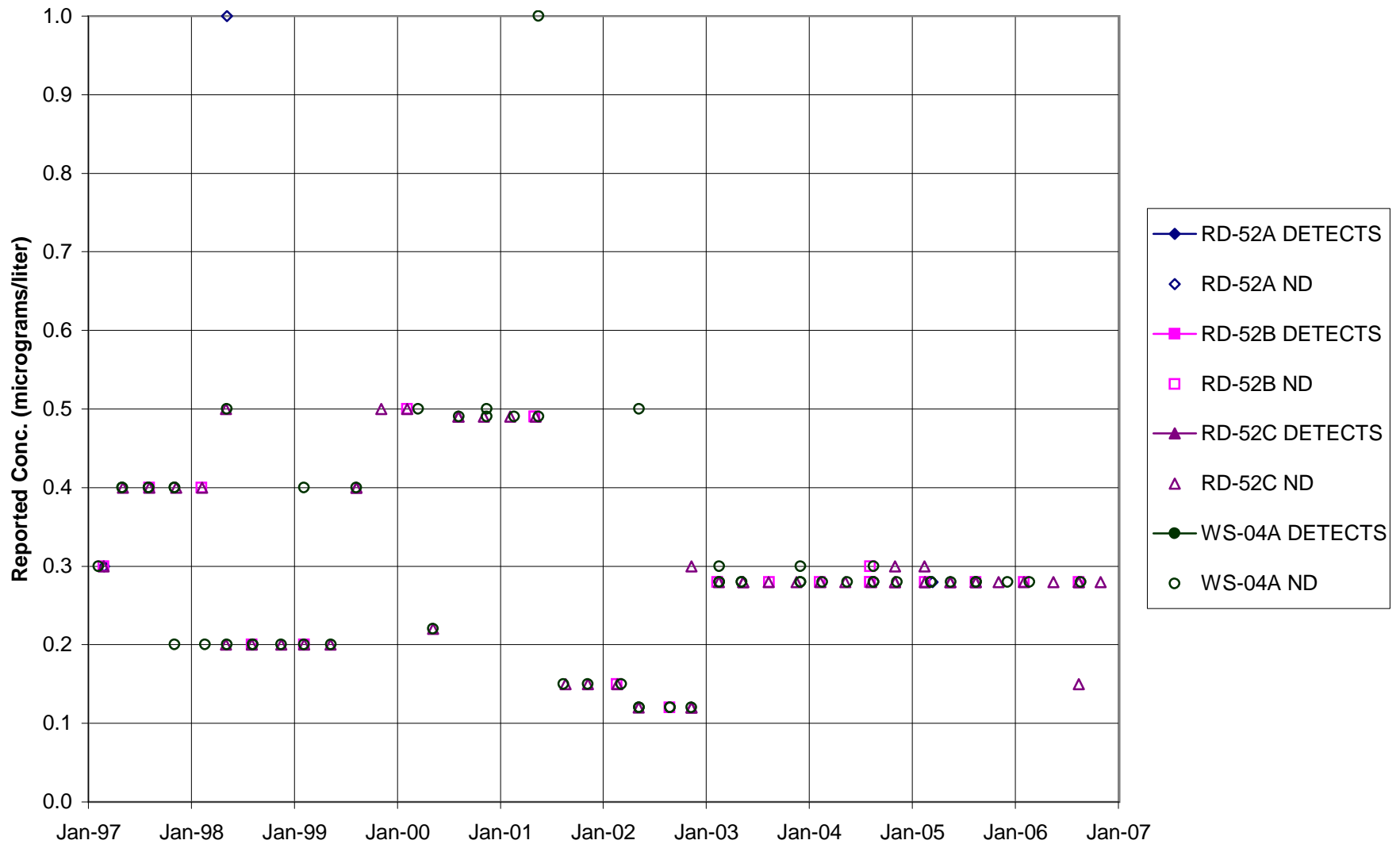


FIGURE F-130. CARBON TETRACHLORIDE in RD-09 AREA WELLS

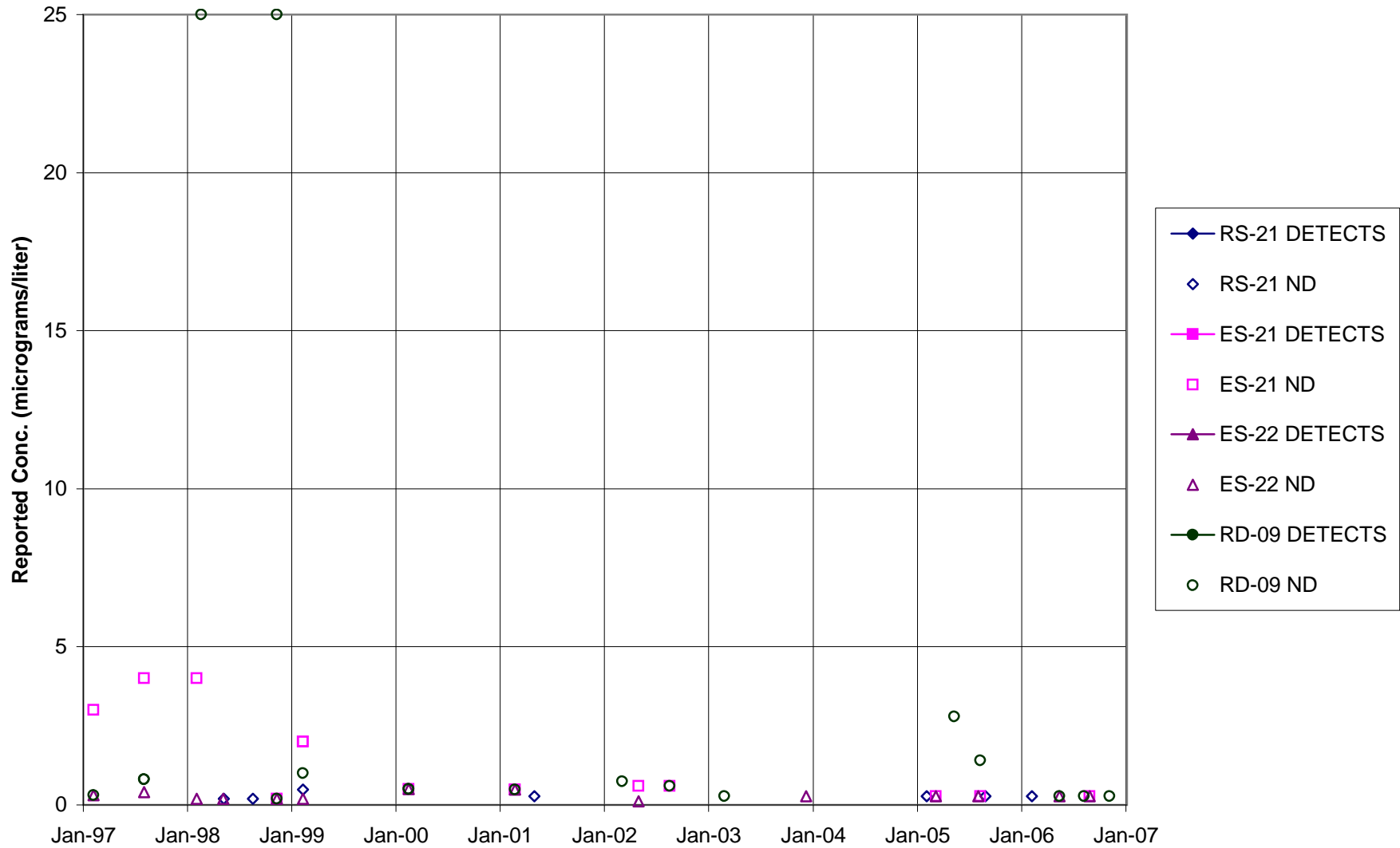


FIGURE F-131. CARBON TETRACHLORIDE in HELIPORT, B/204 WELLS

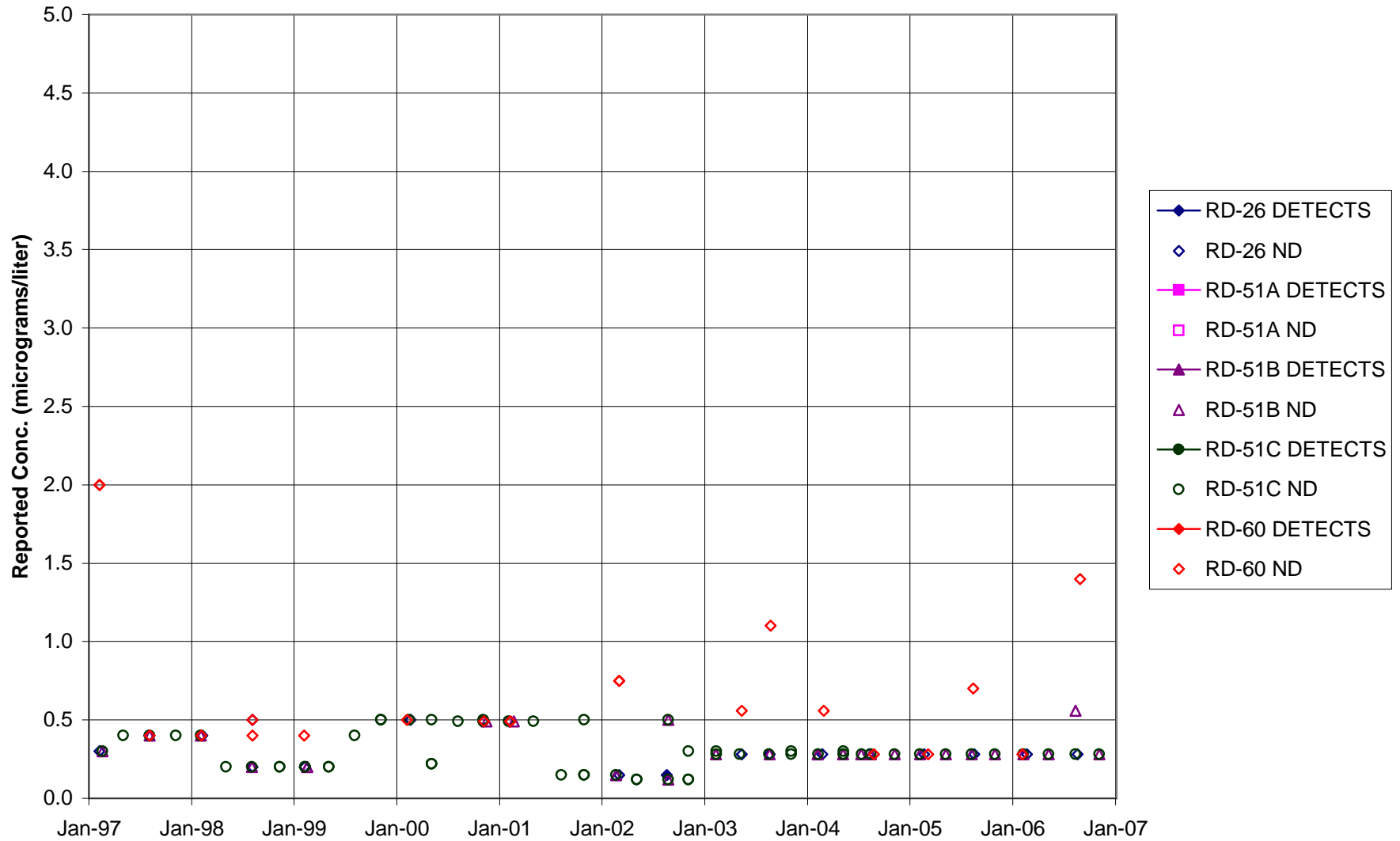


FIGURE F-132. CARBON TETRACHLORIDE in ALFA / BRAVO AREA WELLS

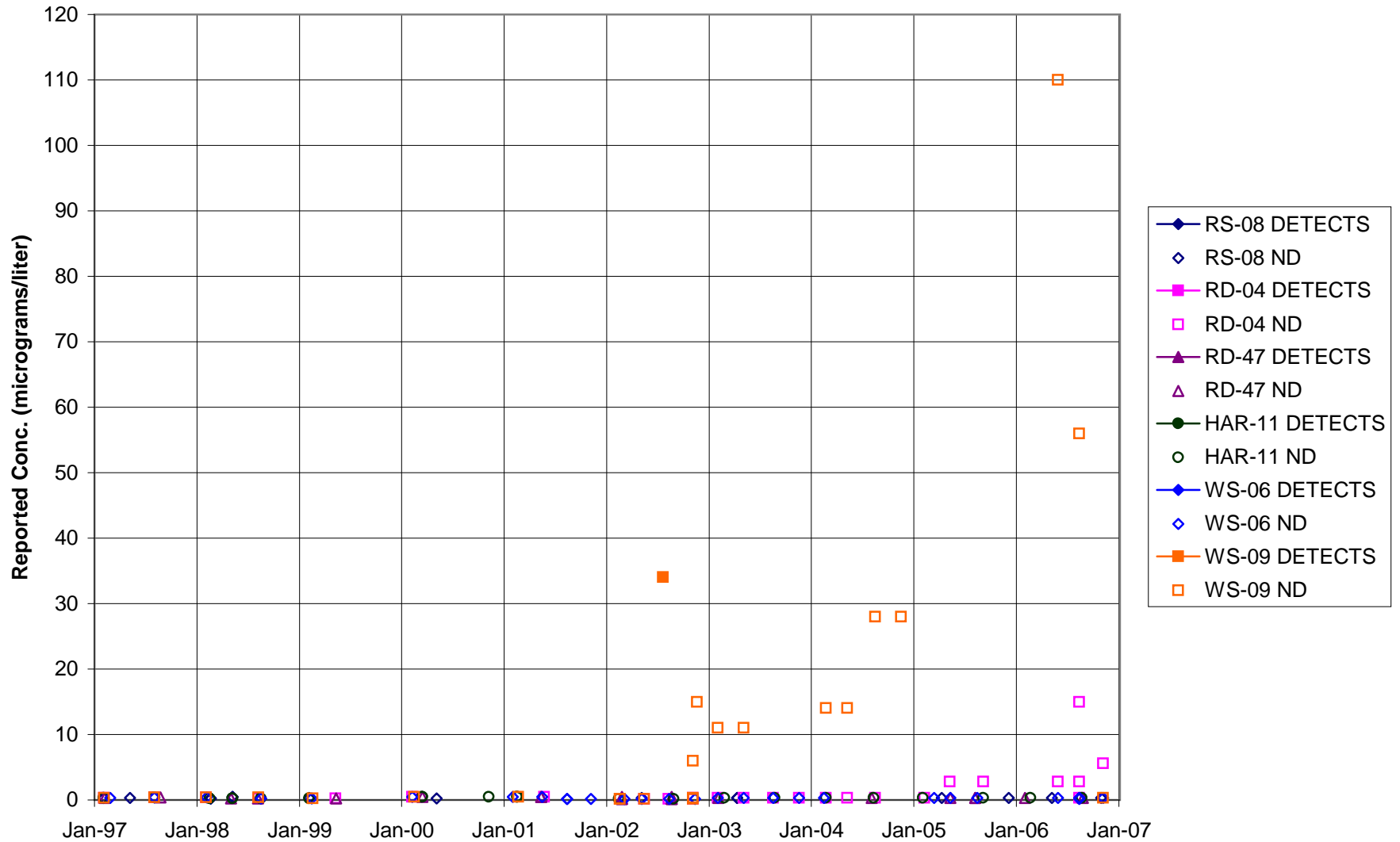


FIGURE F-133. CARBON TETRACHLORIDE in SPA AREA WELLS



FIGURE F-134. CARBON TETRACHLORIDE in COCA / PLF AREA WELLS

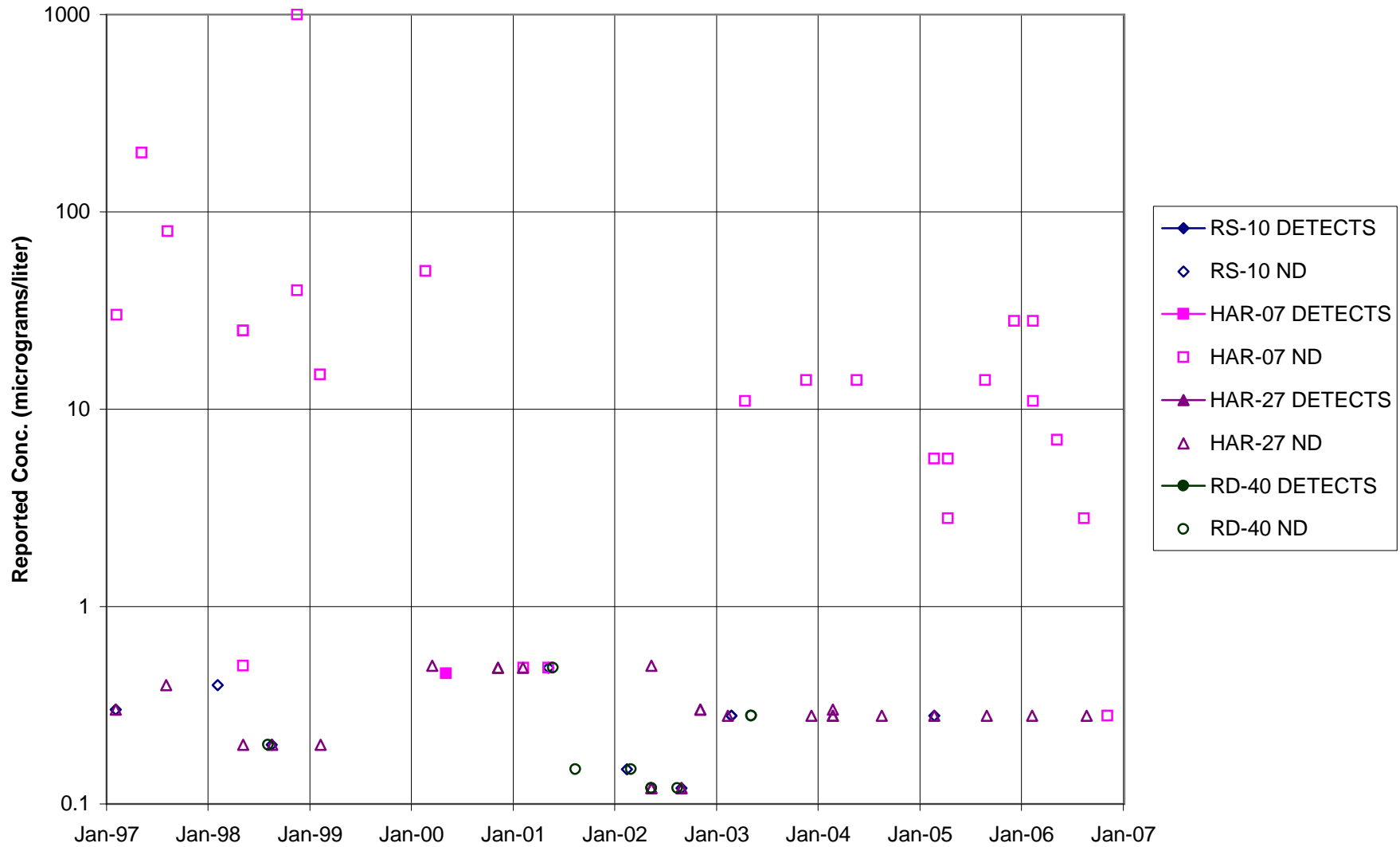


FIGURE F-135. CARBON TETRACHLORIDE in DELTA / BUFFER ZONE AREA WELLS

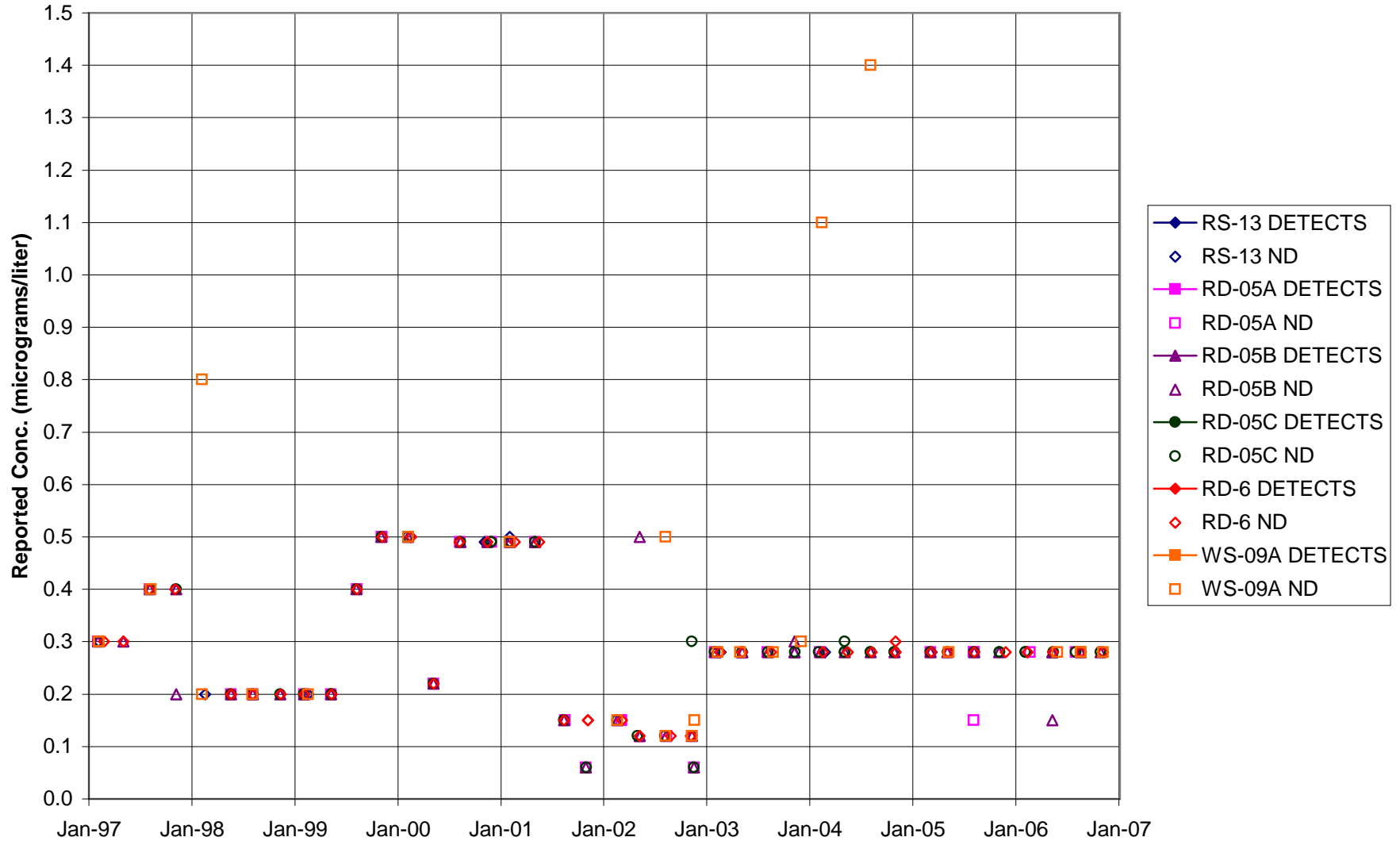


FIGURE F-137. CHLOROFORM in STL-IV AREA SHALLOW WELLS

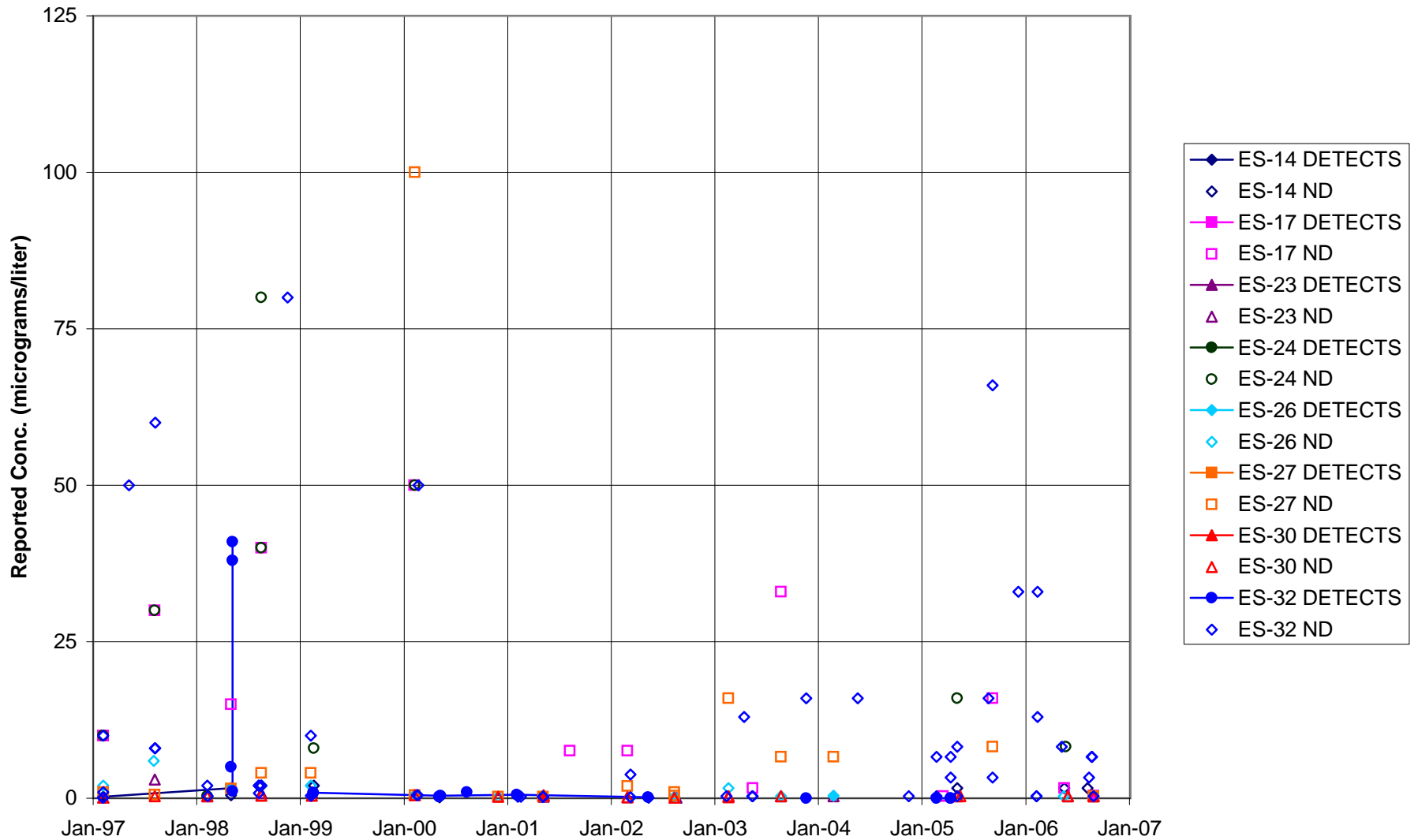


FIGURE F-138. CHLOROFORM in STL-IV AREA CHATSWORTH FORMATION WELLS

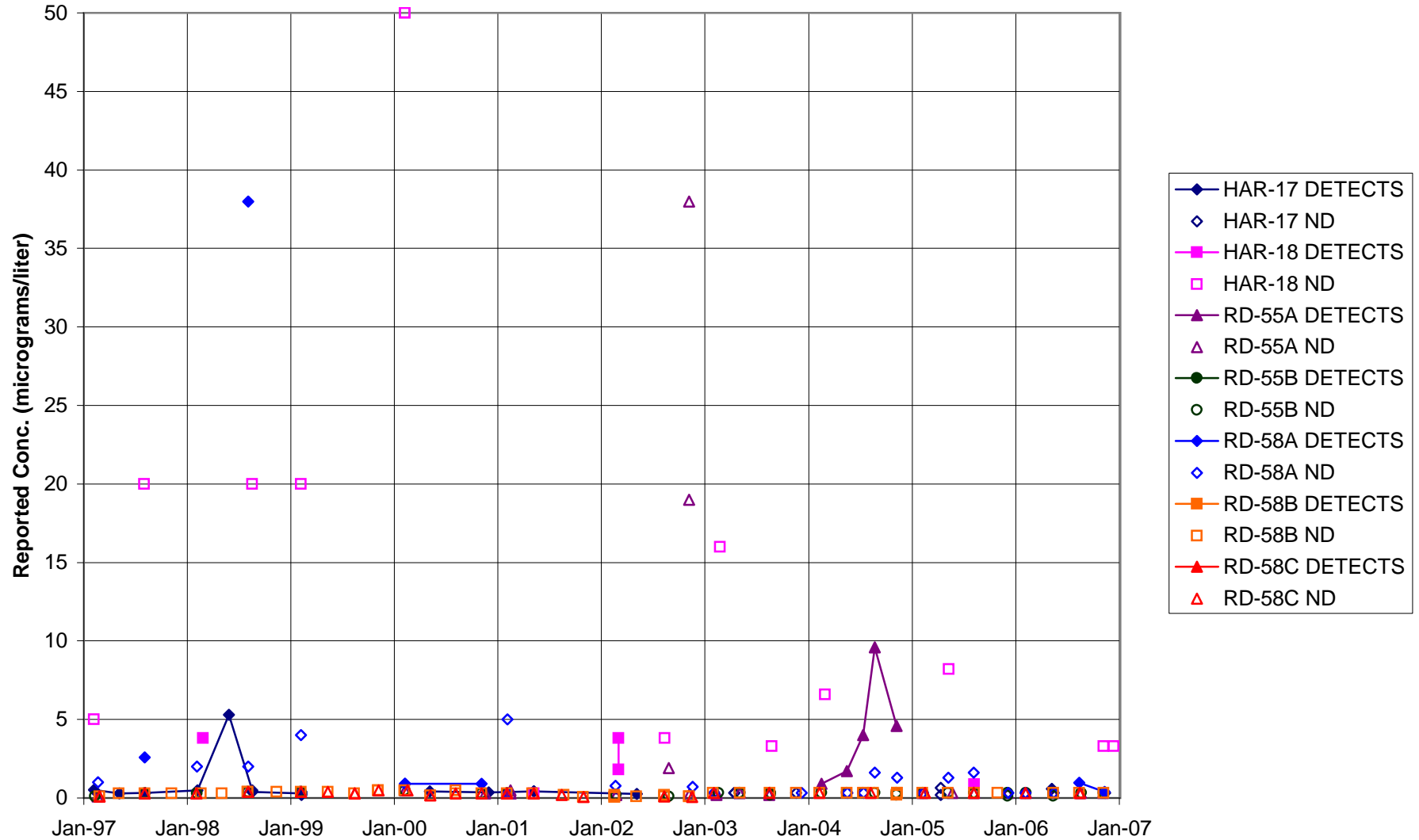


FIGURE F-139. CHLOROFORM in MAIN GATE AREA WELLS - 1

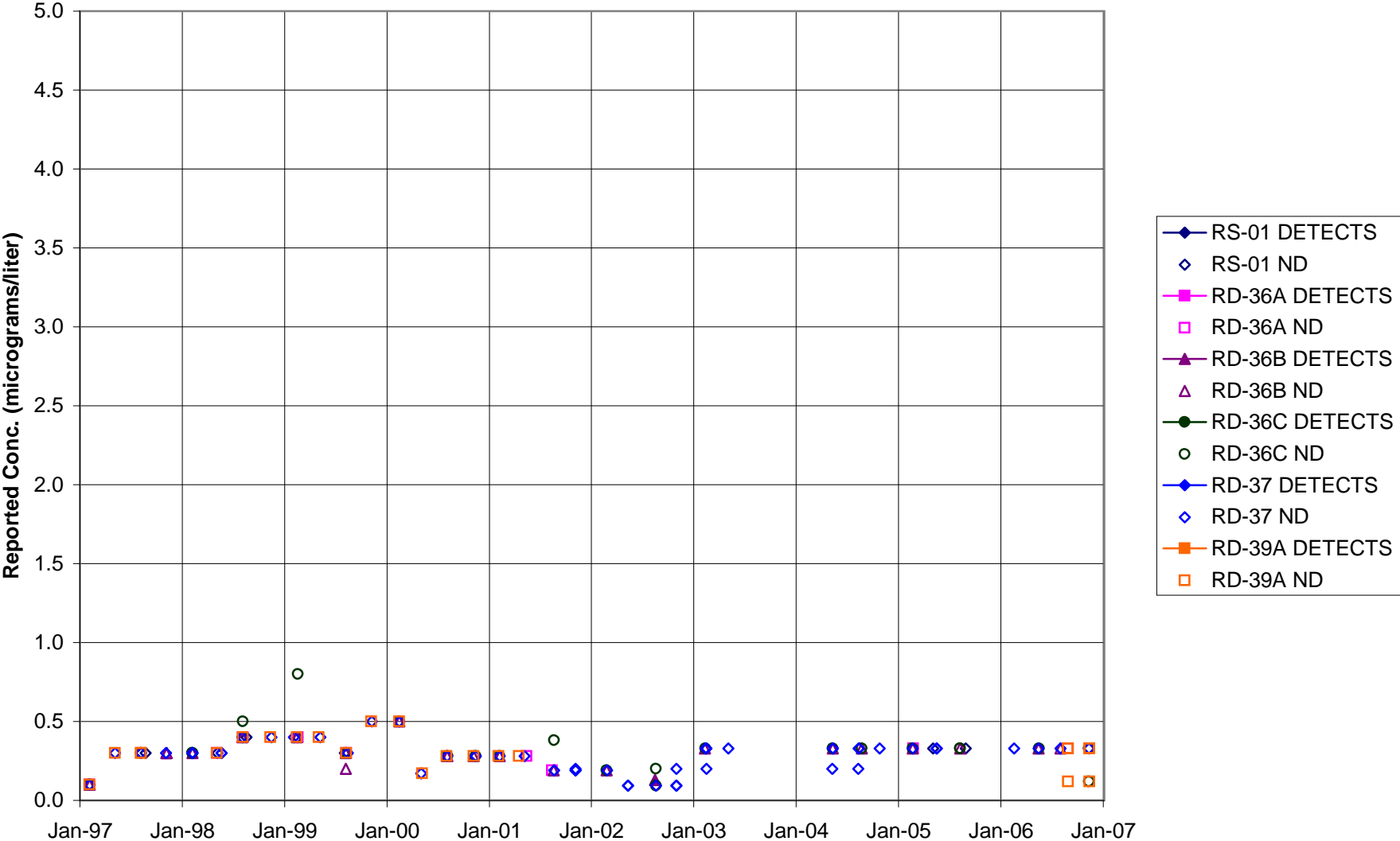


FIGURE F-140. CHLOROFORM in MAIN GATE AREA WELLS - 2

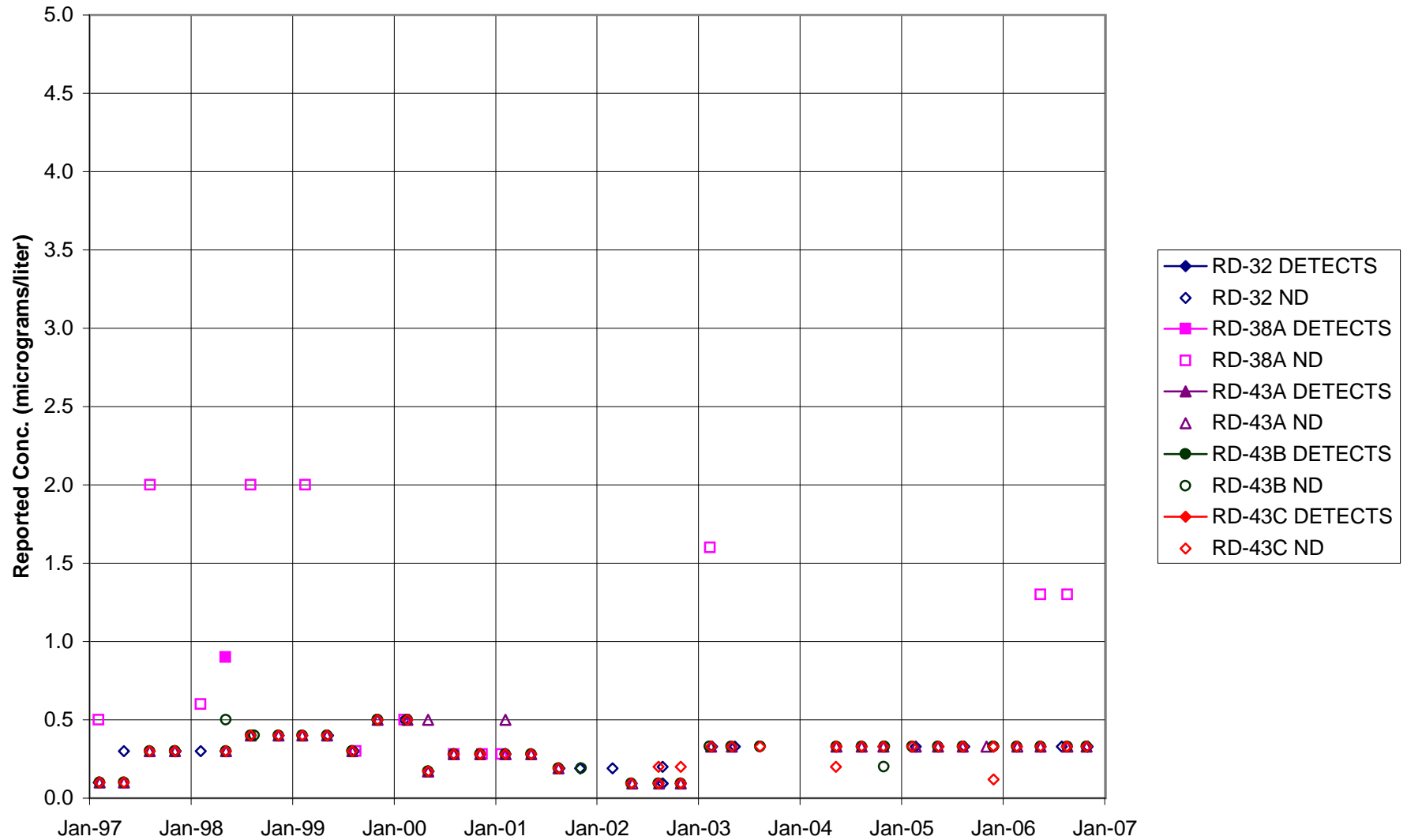


FIGURE F-141. CHLOROFORM in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

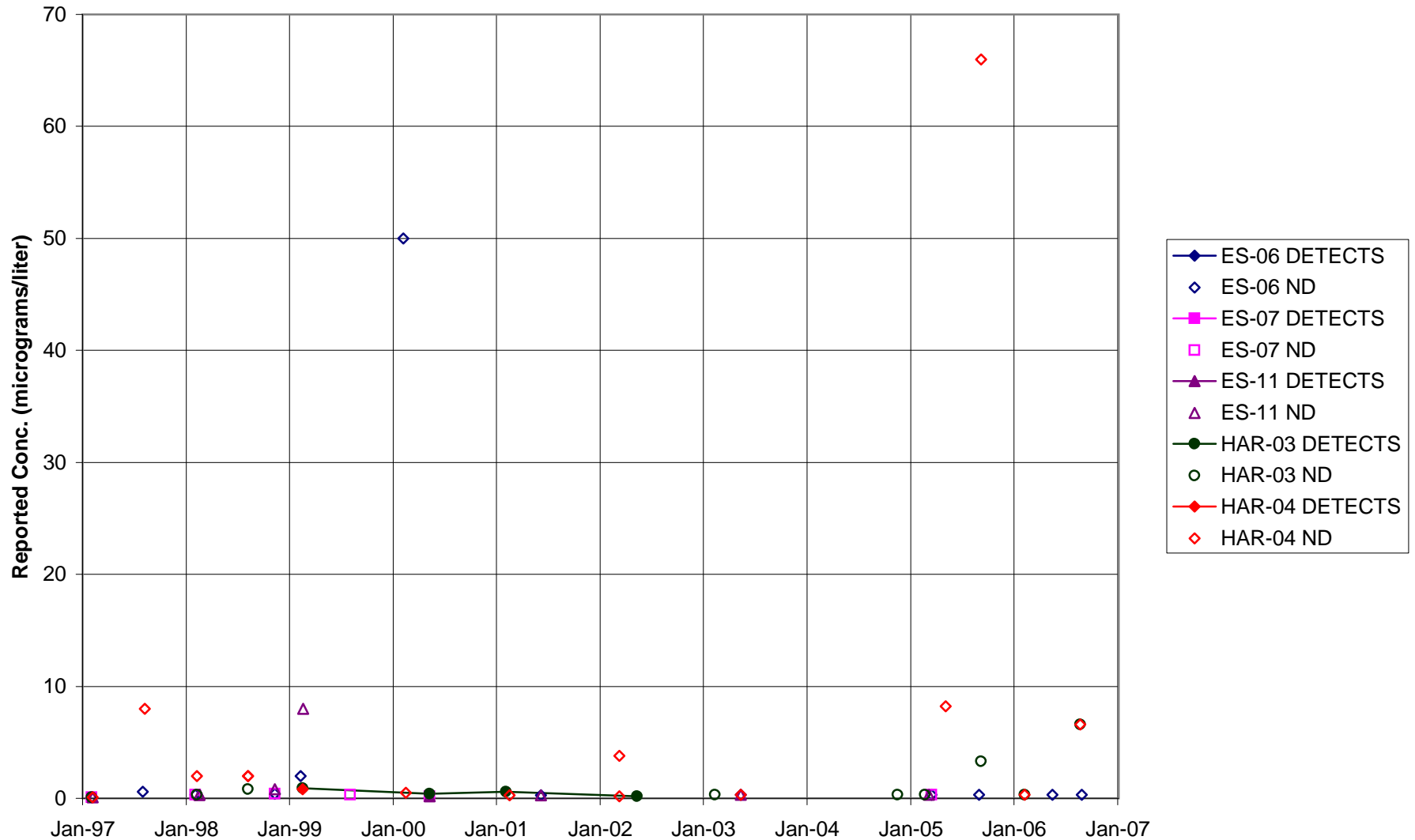


FIGURE F-142. CHLOROFORM in APTF,CANYON, & HAPPY VALLEY AREA WELLS - 2

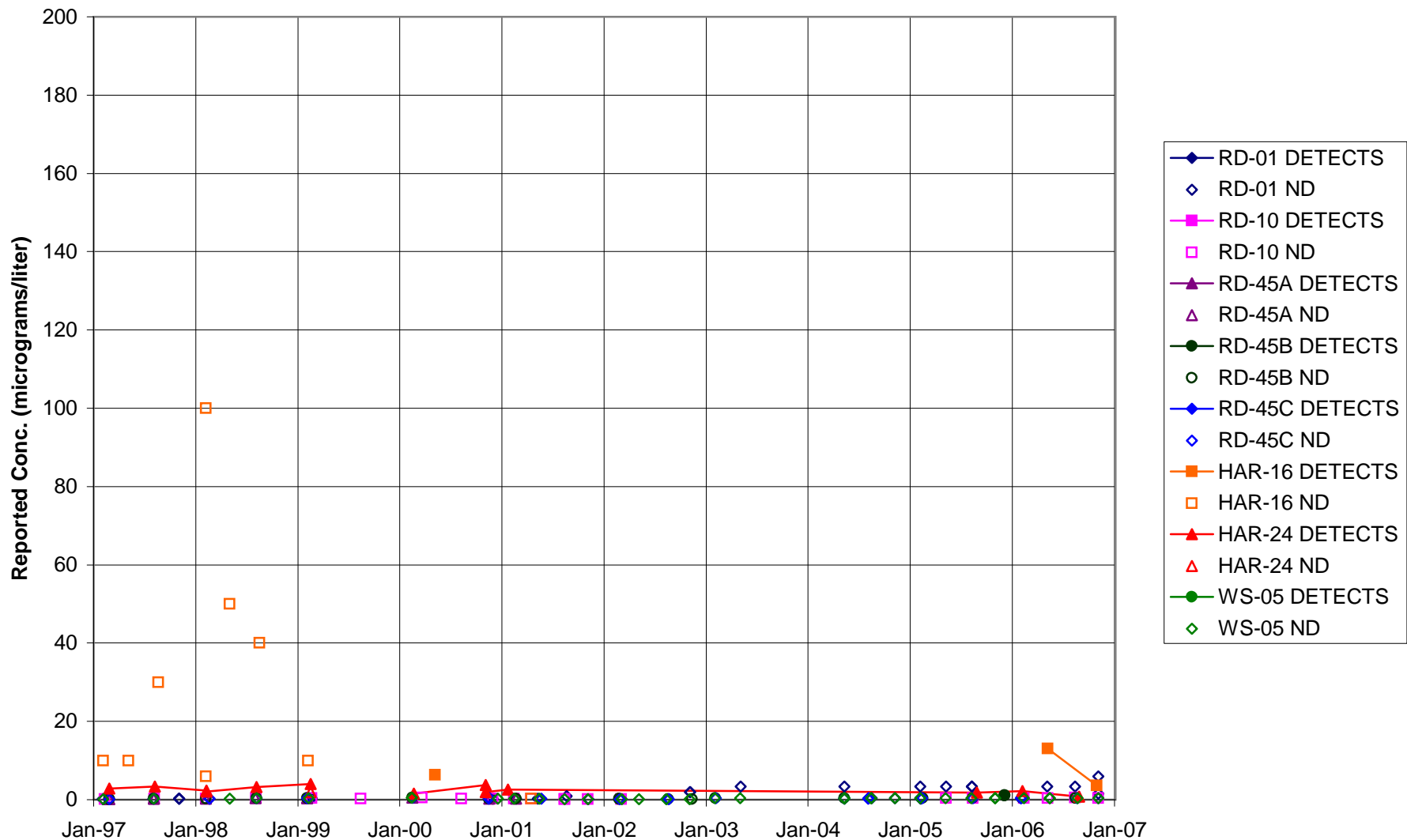


FIGURE F-143. CHLOROFORM in CTL-III / PERIMETER POND AREA WELLS

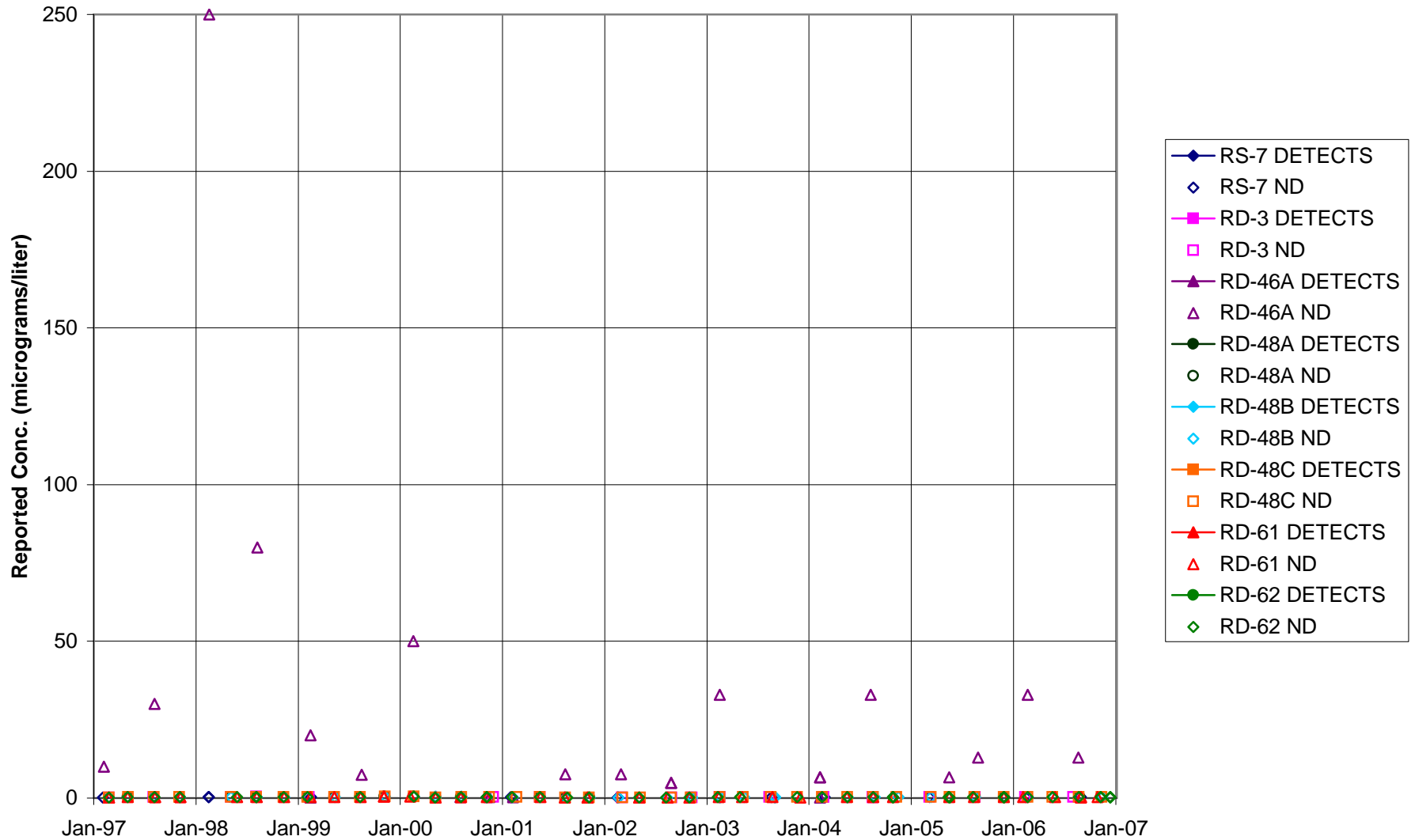


FIGURE F-144. CHLOROFORM in BOWL AREA WELLS

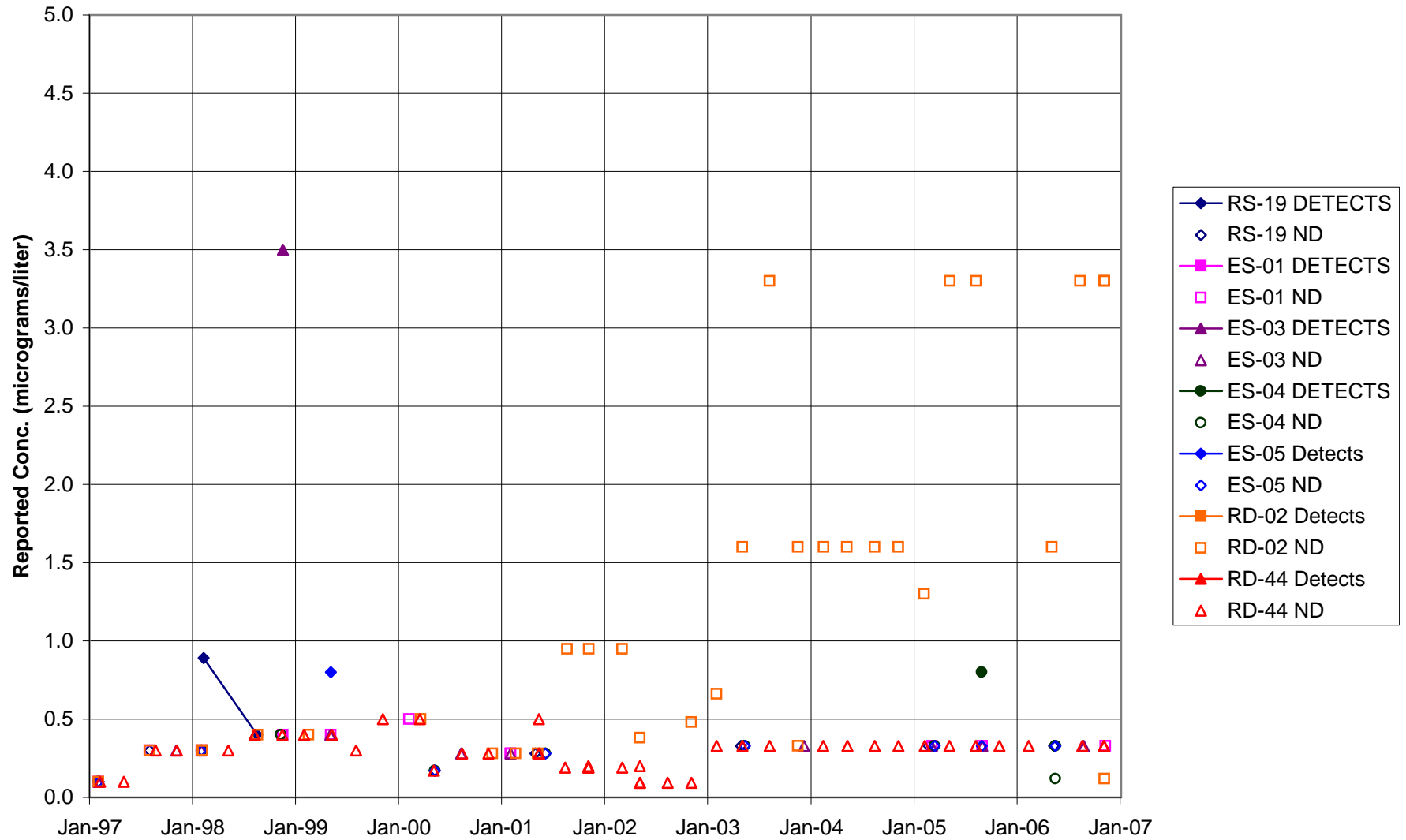


FIGURE F-145. CHLOROFORM in ECL AREA WELLS

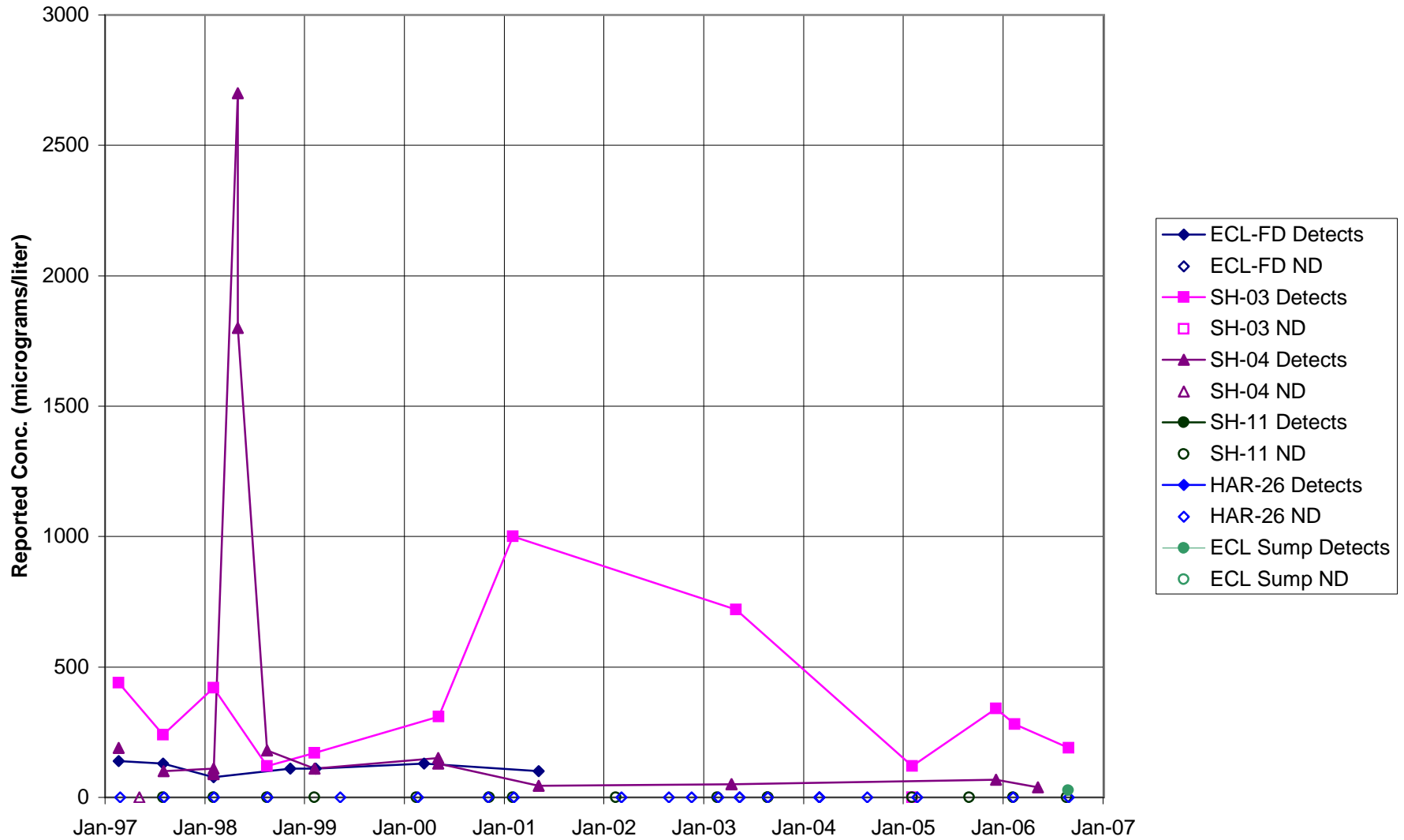


FIGURE F-146. CHLOROFORM in FORMER LOX PLANT AREA WELLS

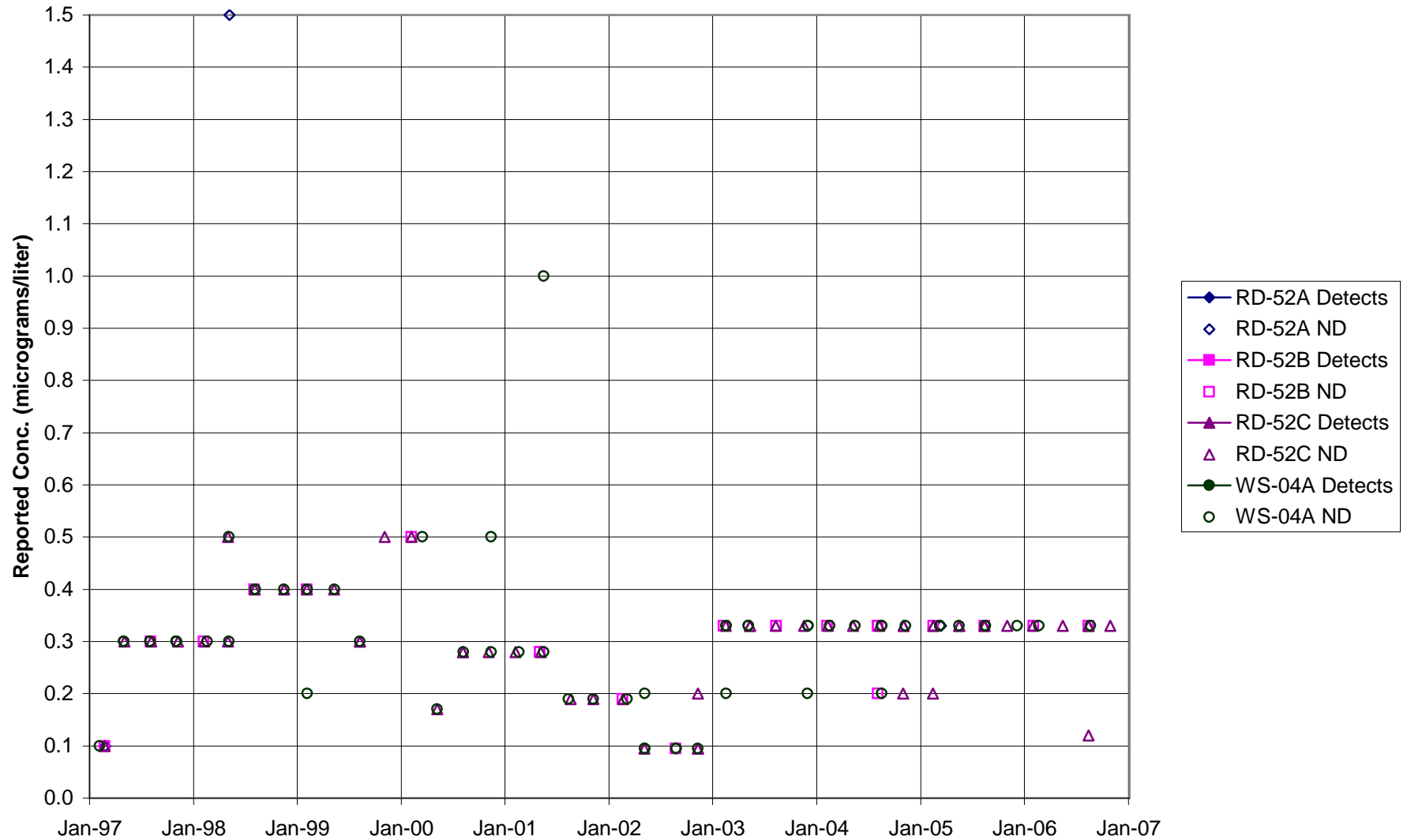


FIGURE F-147. CHLOROFORM in RD-09 AREA WELLS

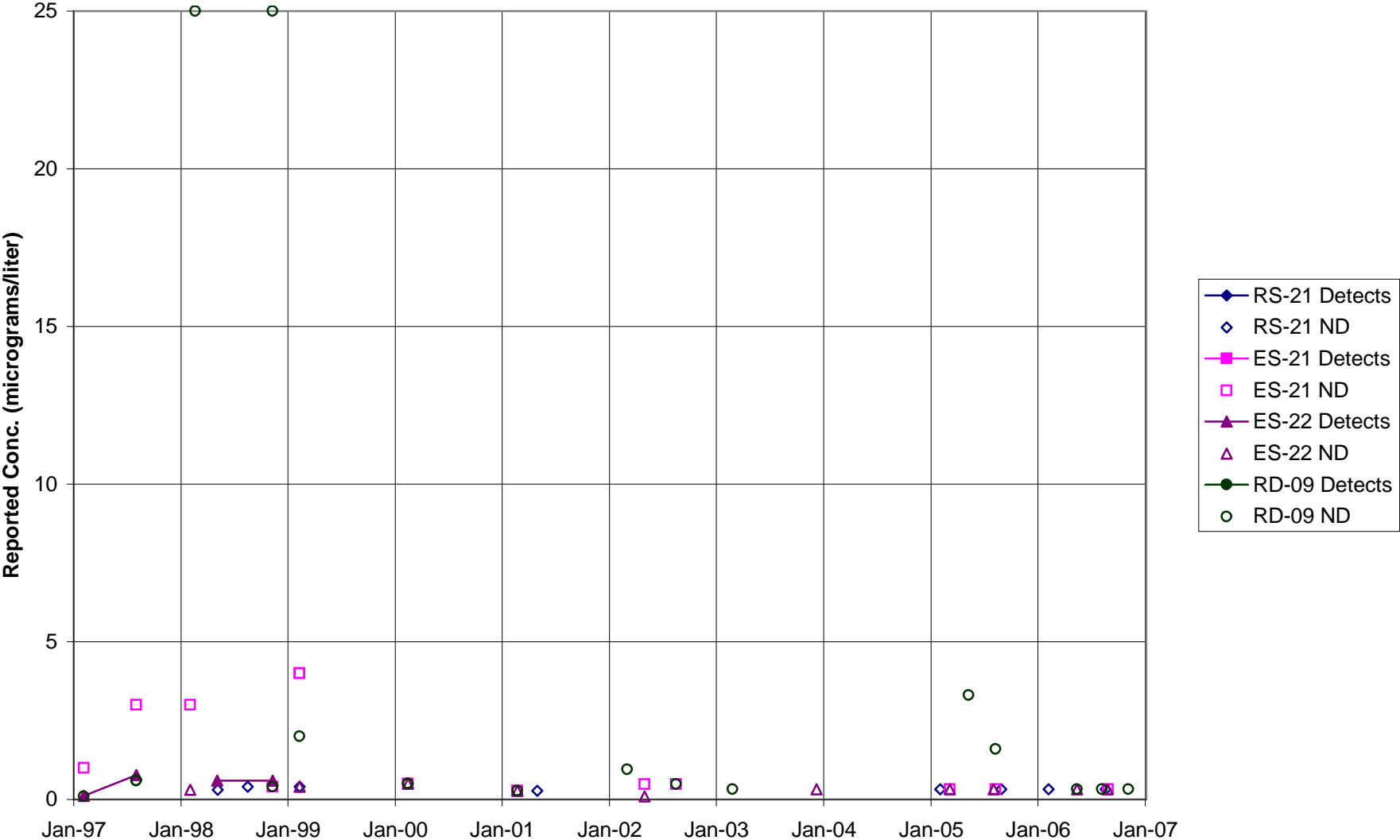


FIGURE F-148. CHLOROFORM in HELIPORT, B/204 AREA WELLS

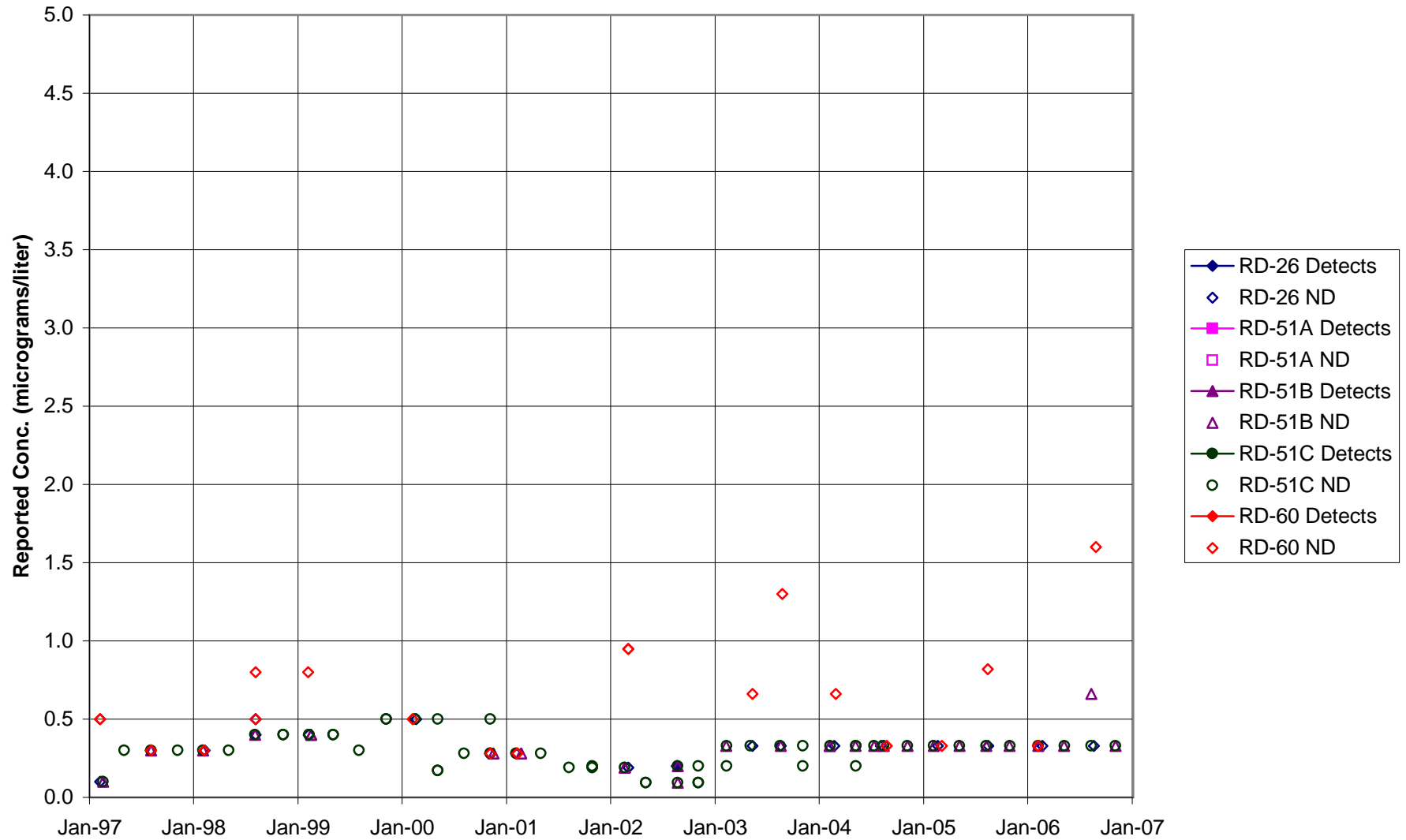


FIGURE F-149. CHLOROFORM in ALFA / BRAVO AREA WELLS

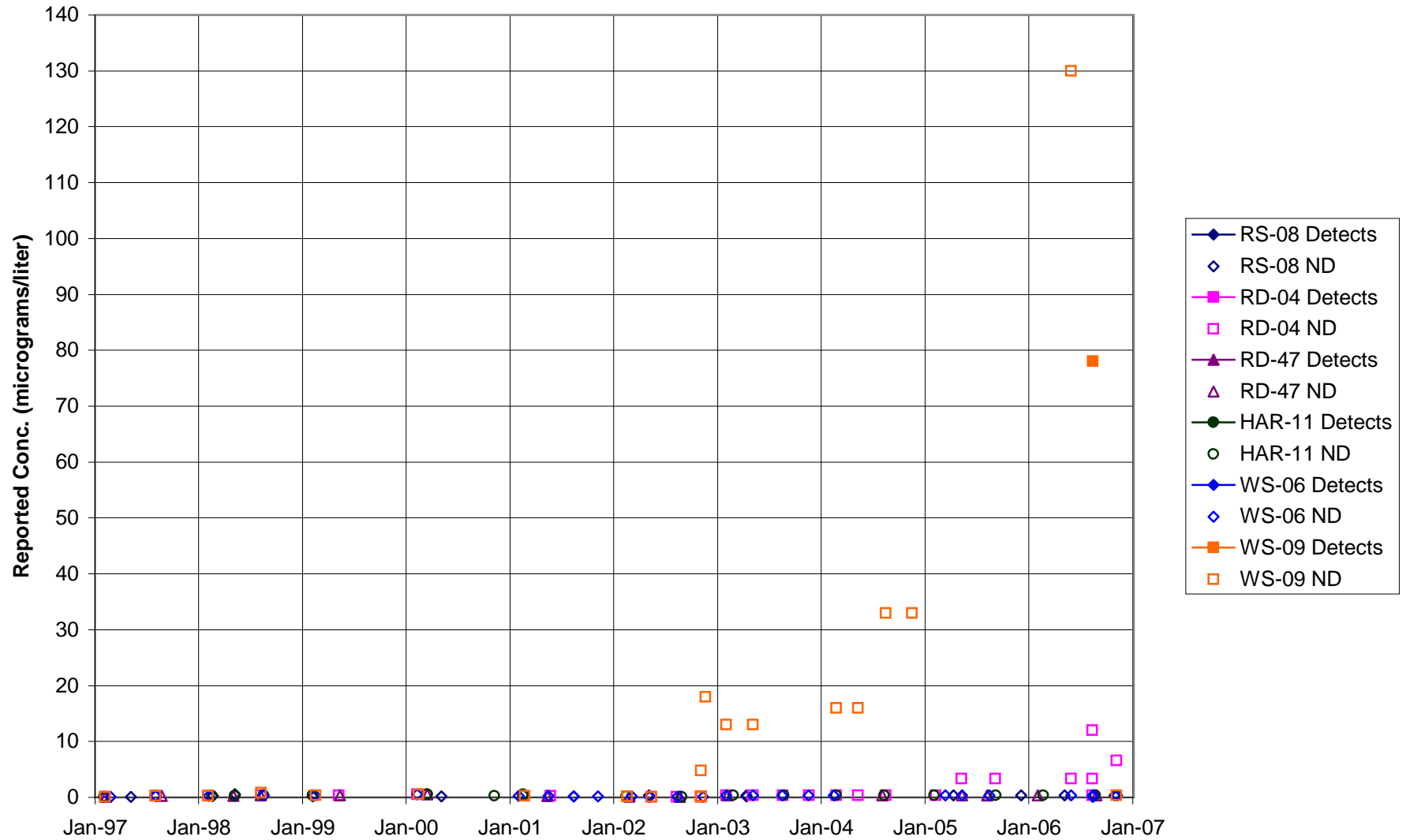


FIGURE F-150. CHLOROFORM in SPA AREA WELLS

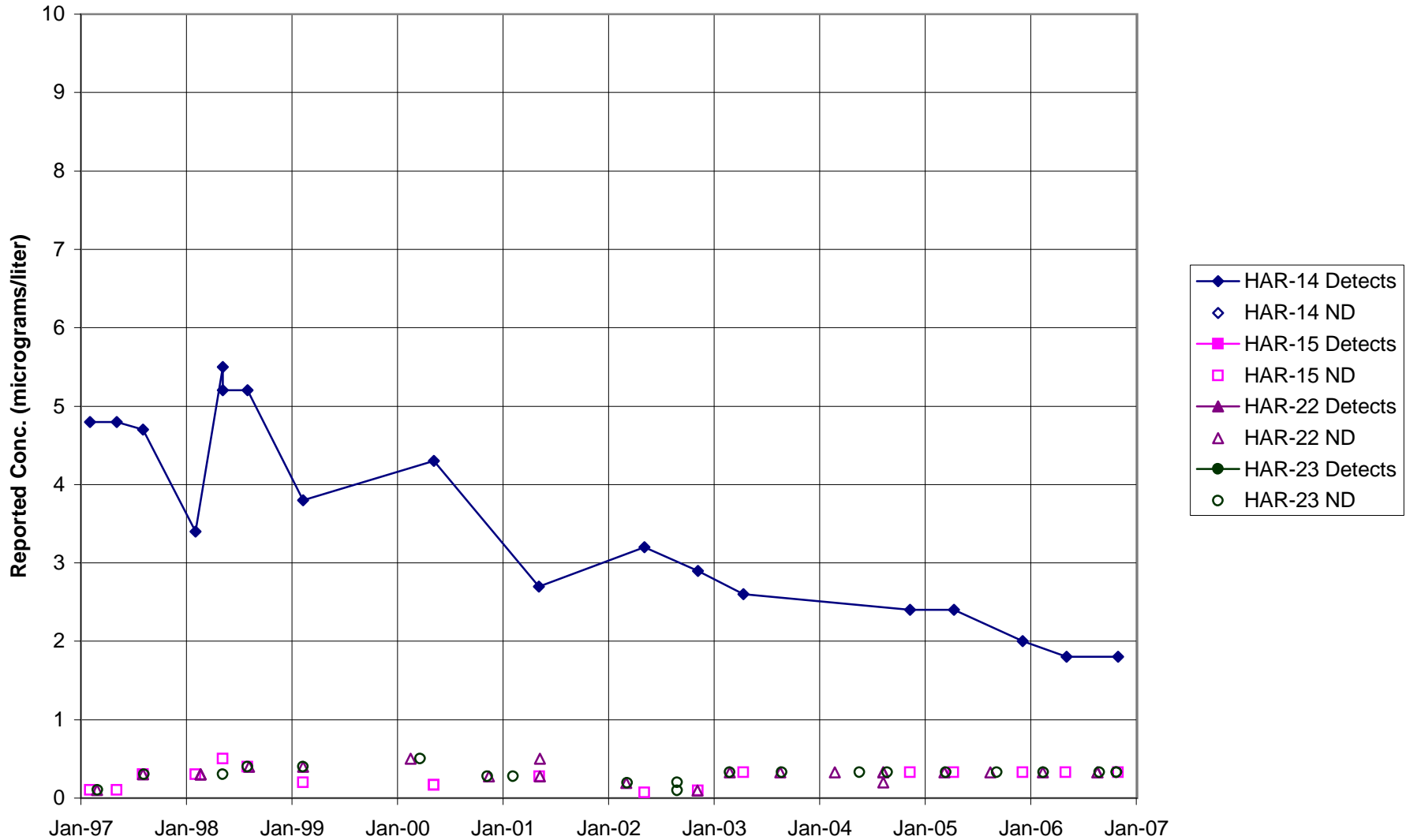


FIGURE F-151. CHLOROFORM in COCA / PLF AREA WELLS

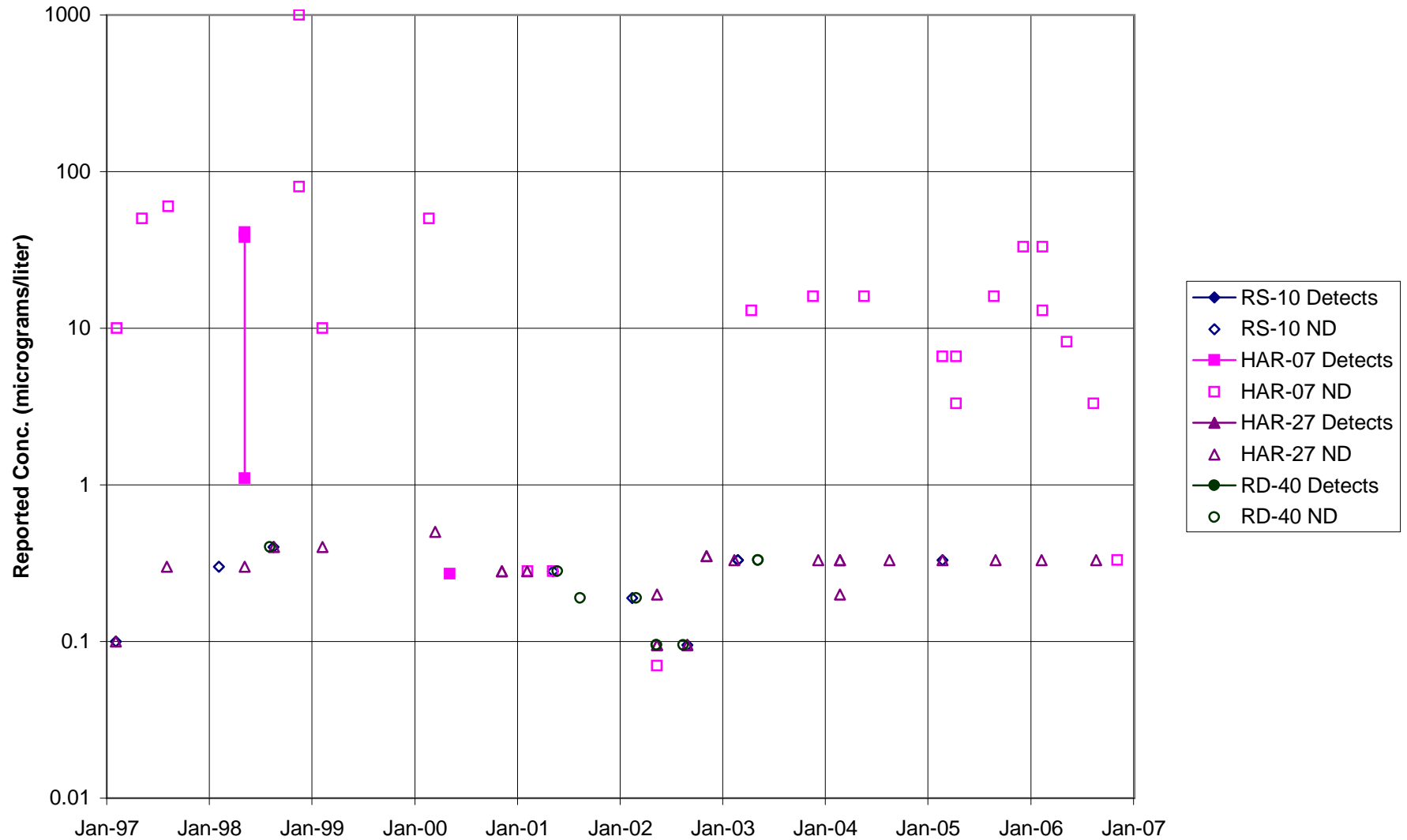


FIGURE F-152. CHLOROFORM in DELTA / BUFFER ZONE AREA WELLS

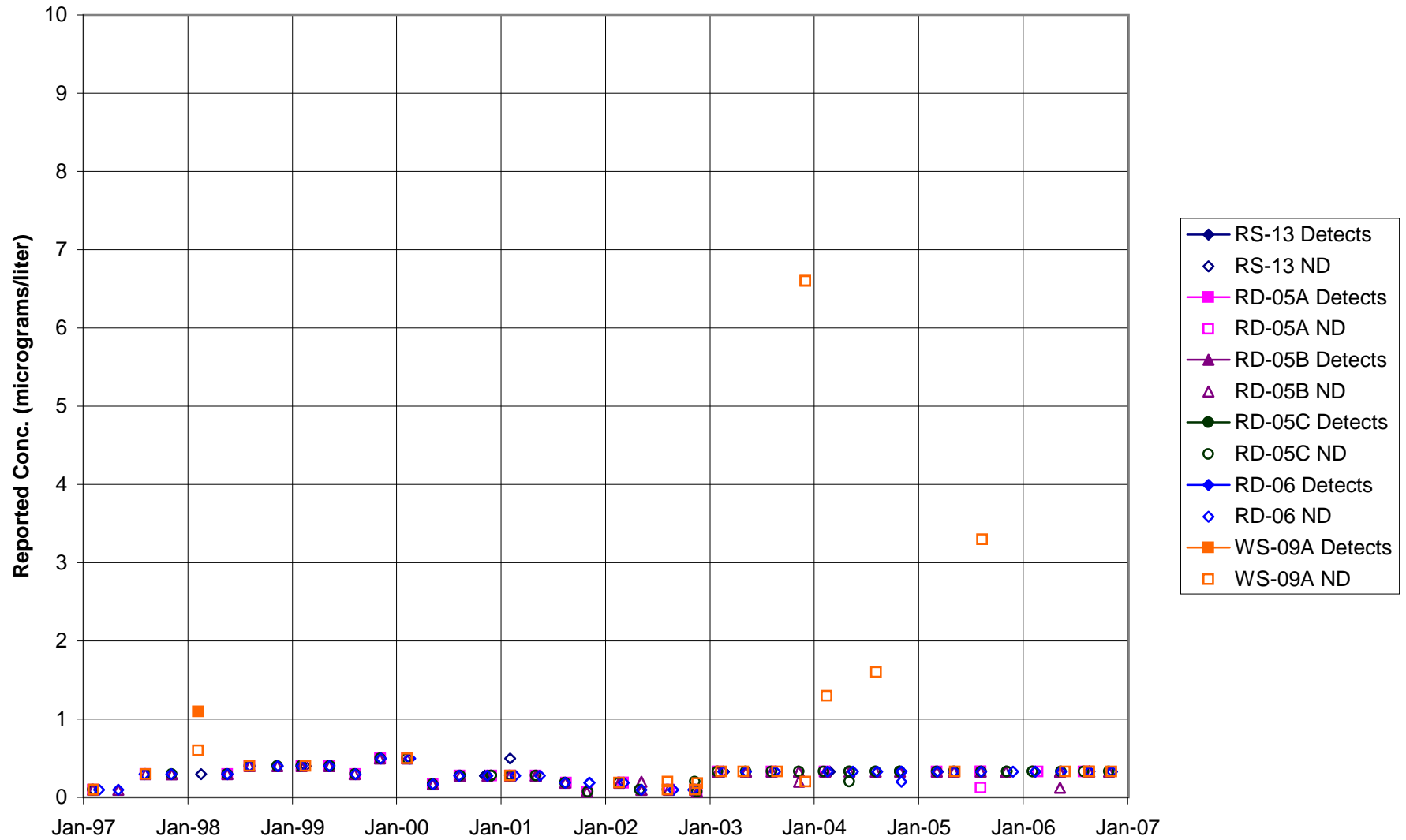


FIGURE F-153. CHLOROFORM in AREA IV WELLS

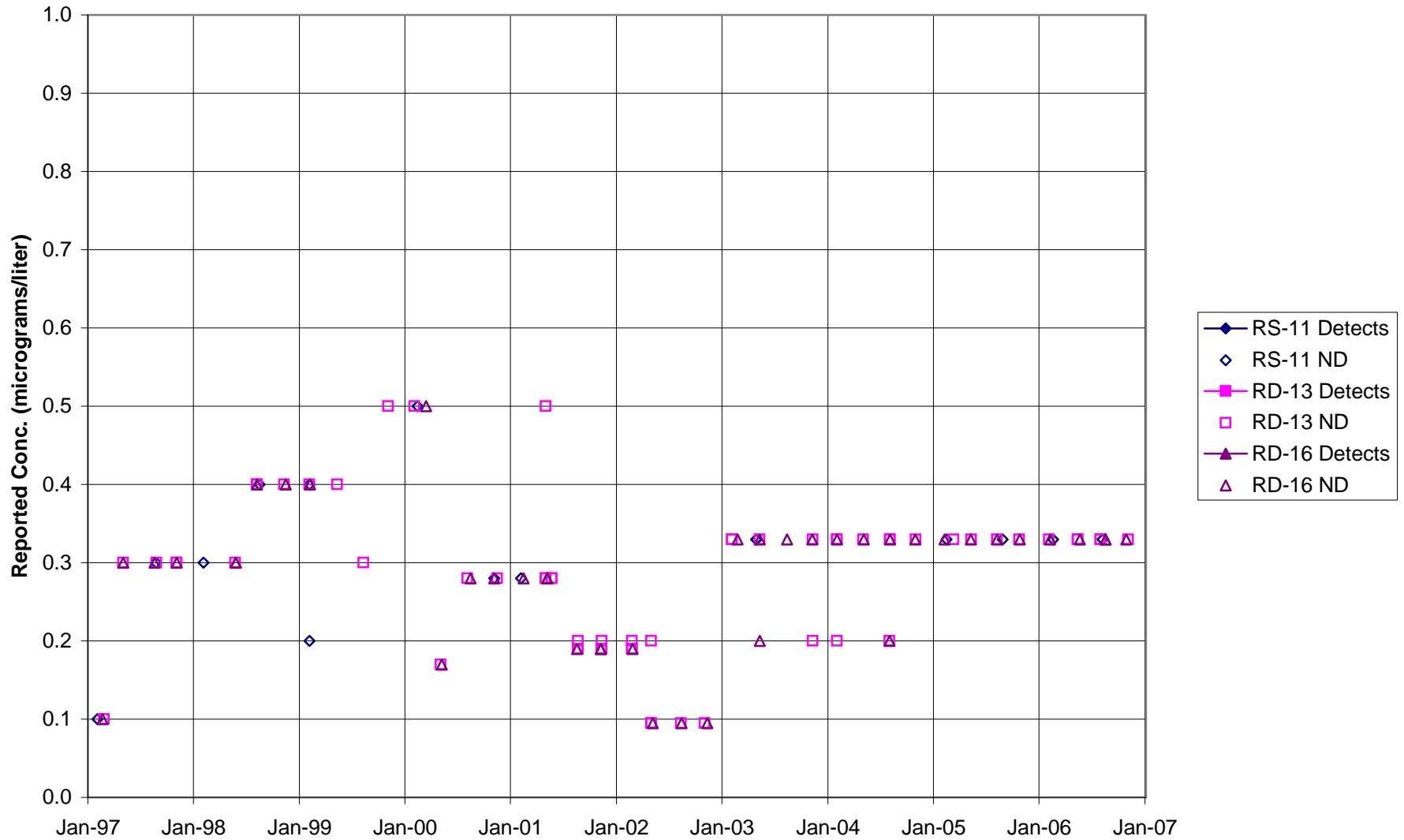


FIGURE F-154. CIS-1,2-DCE in STL-IV AREA SHALLOW WELLS

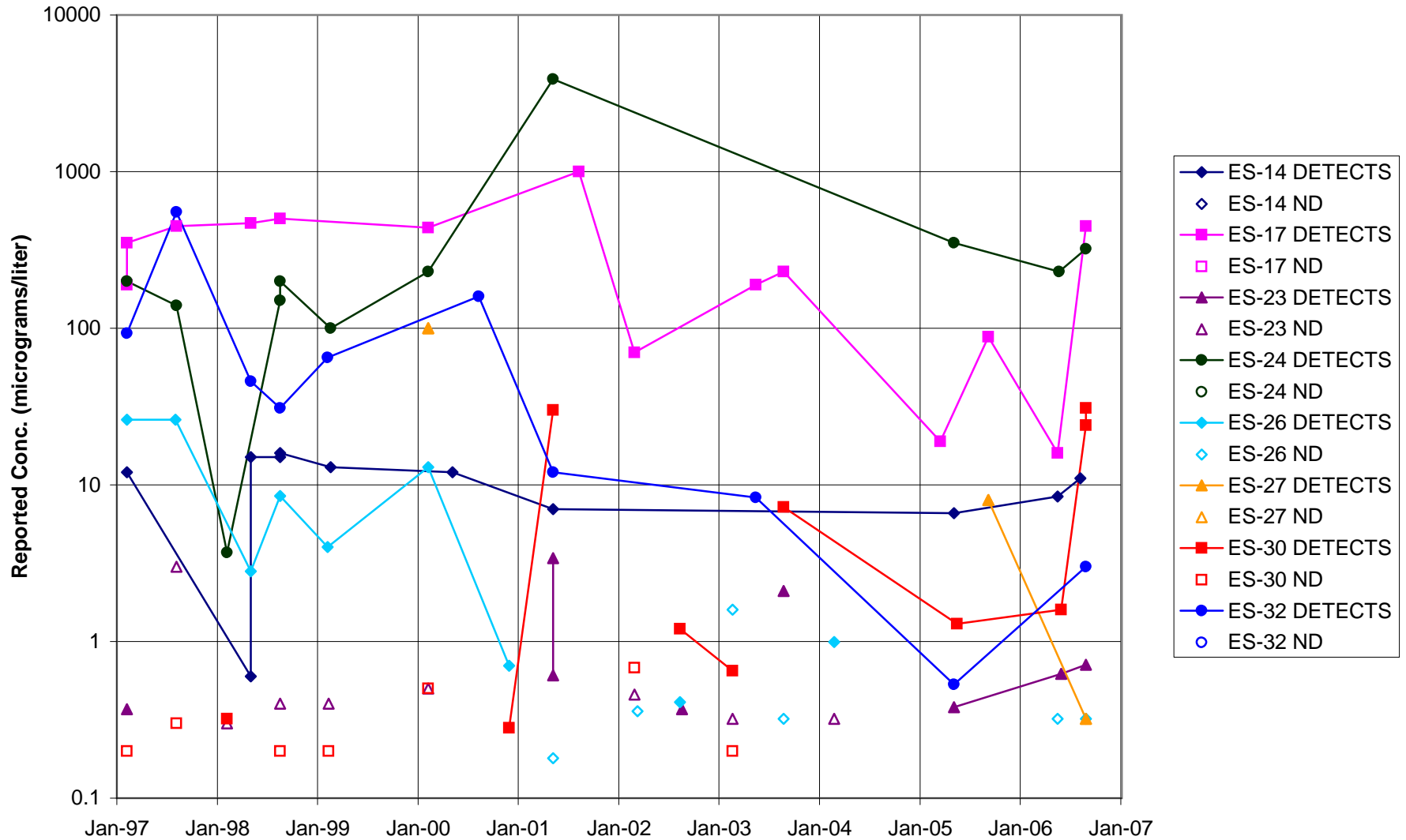


FIGURE F-155. CIS-1,2-DCE in STL-IV AREA CHATSWORTH FORMATION WELLS

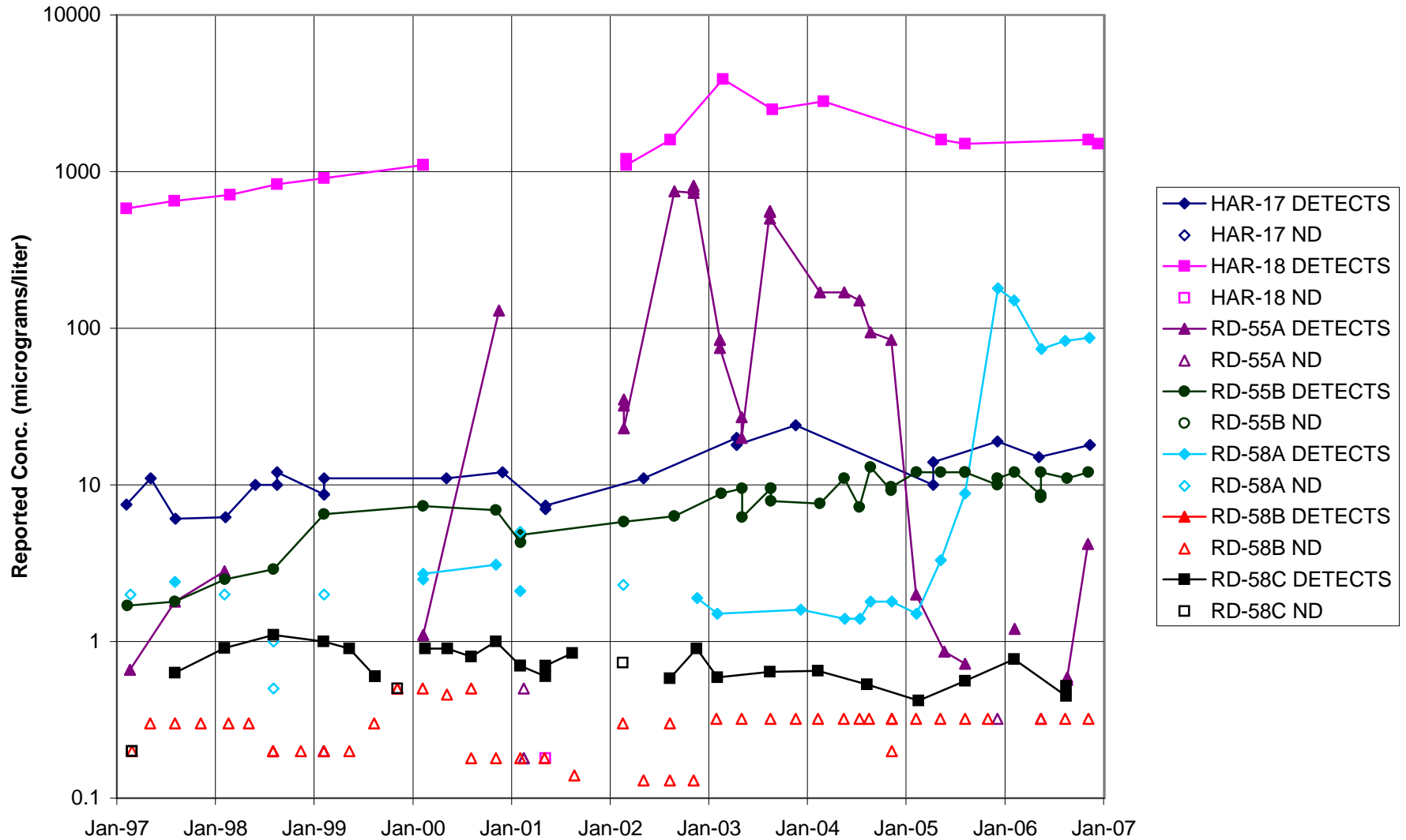


FIGURE F-156. CIS-1,2-DCE in MAIN GATE AREA WELLS - 1

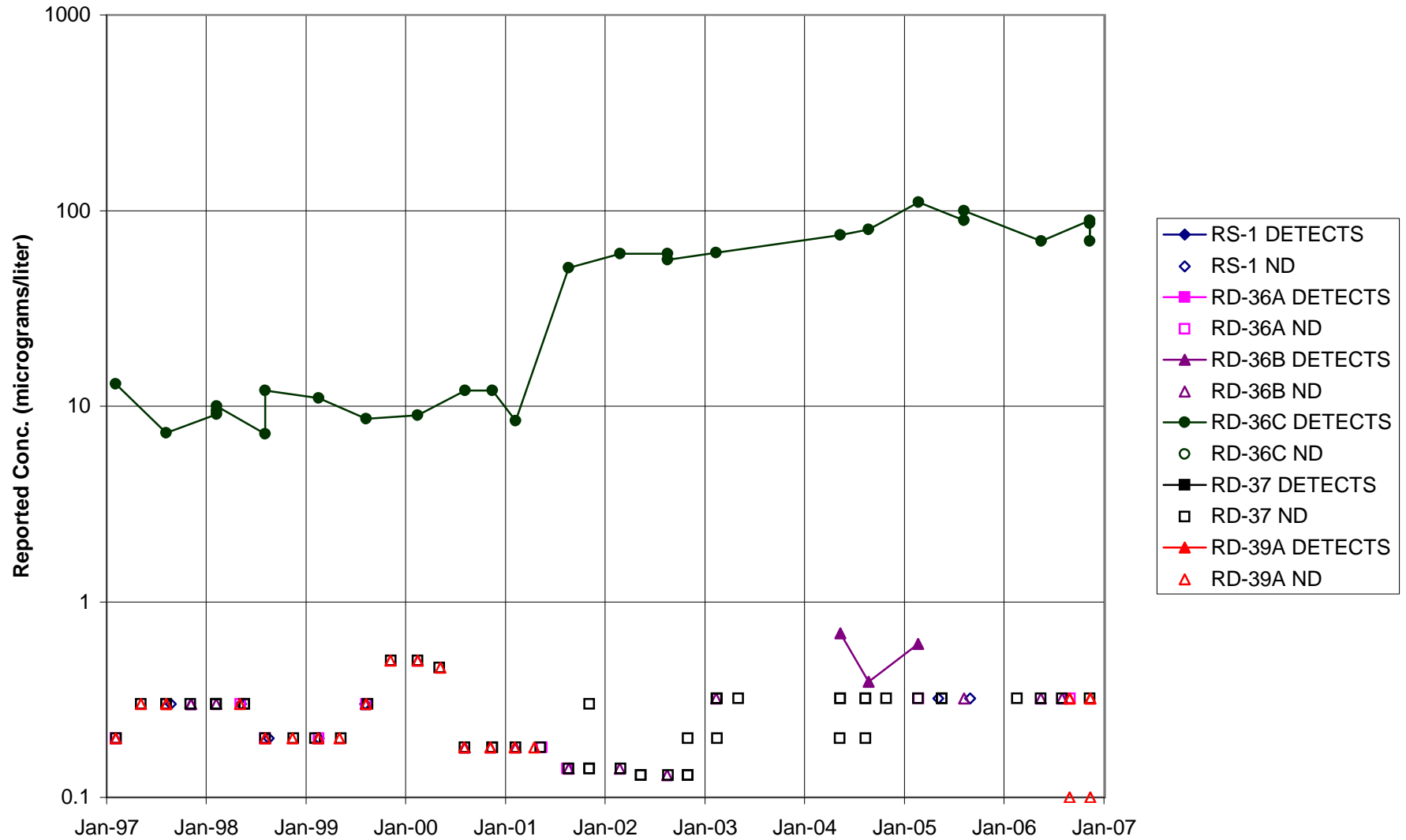


FIGURE F-157. CIS-1,2-DCE in MAIN GATE AREA WELLS - 2

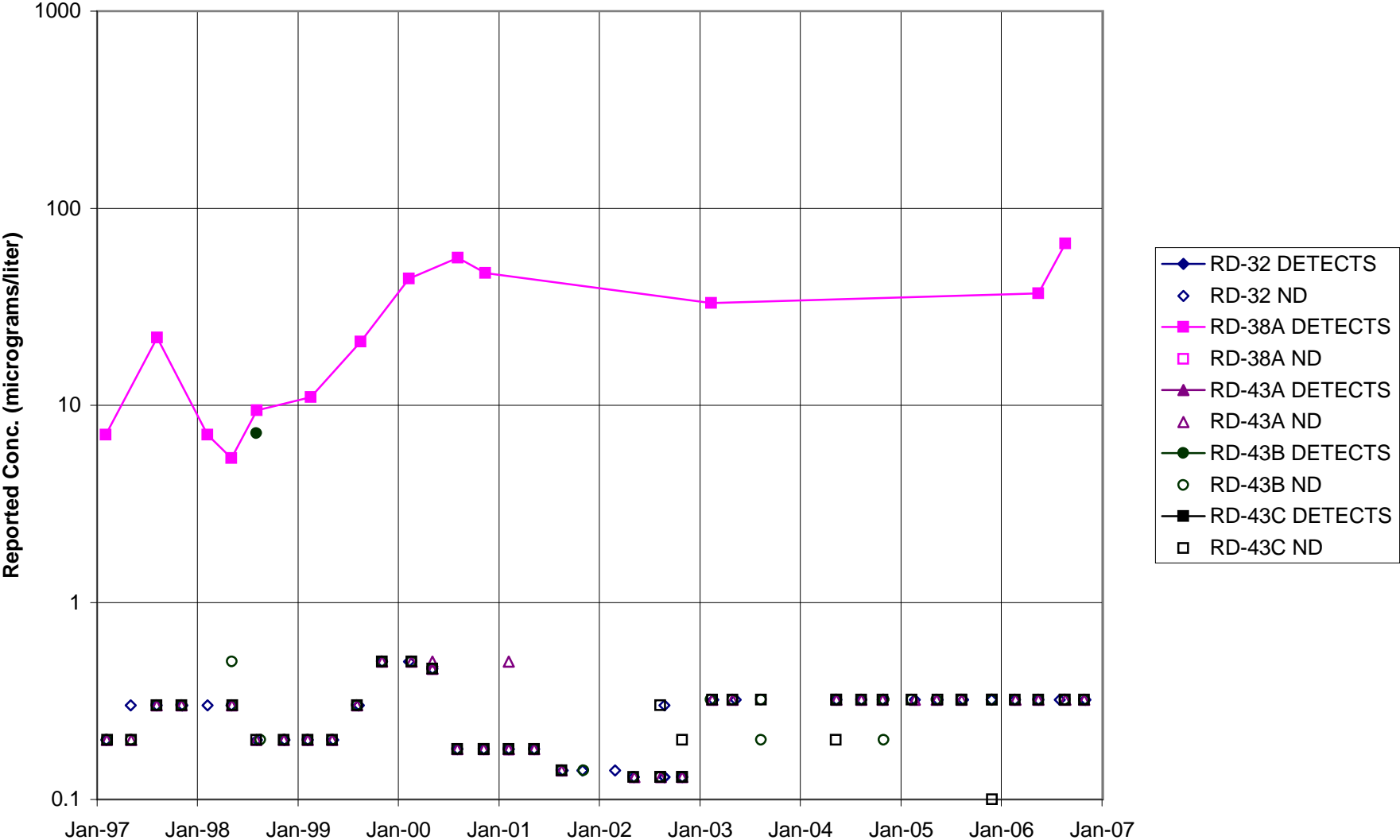


FIGURE F-158. CIS-1,2-DCE in APTF, CANYON & HAPPY VALLEY AREA WELLS -1



FIGURE F-159. CIS-1,2-DCE in APTF, CANYON & HAPPY VALLEY AREA WELLS - 2

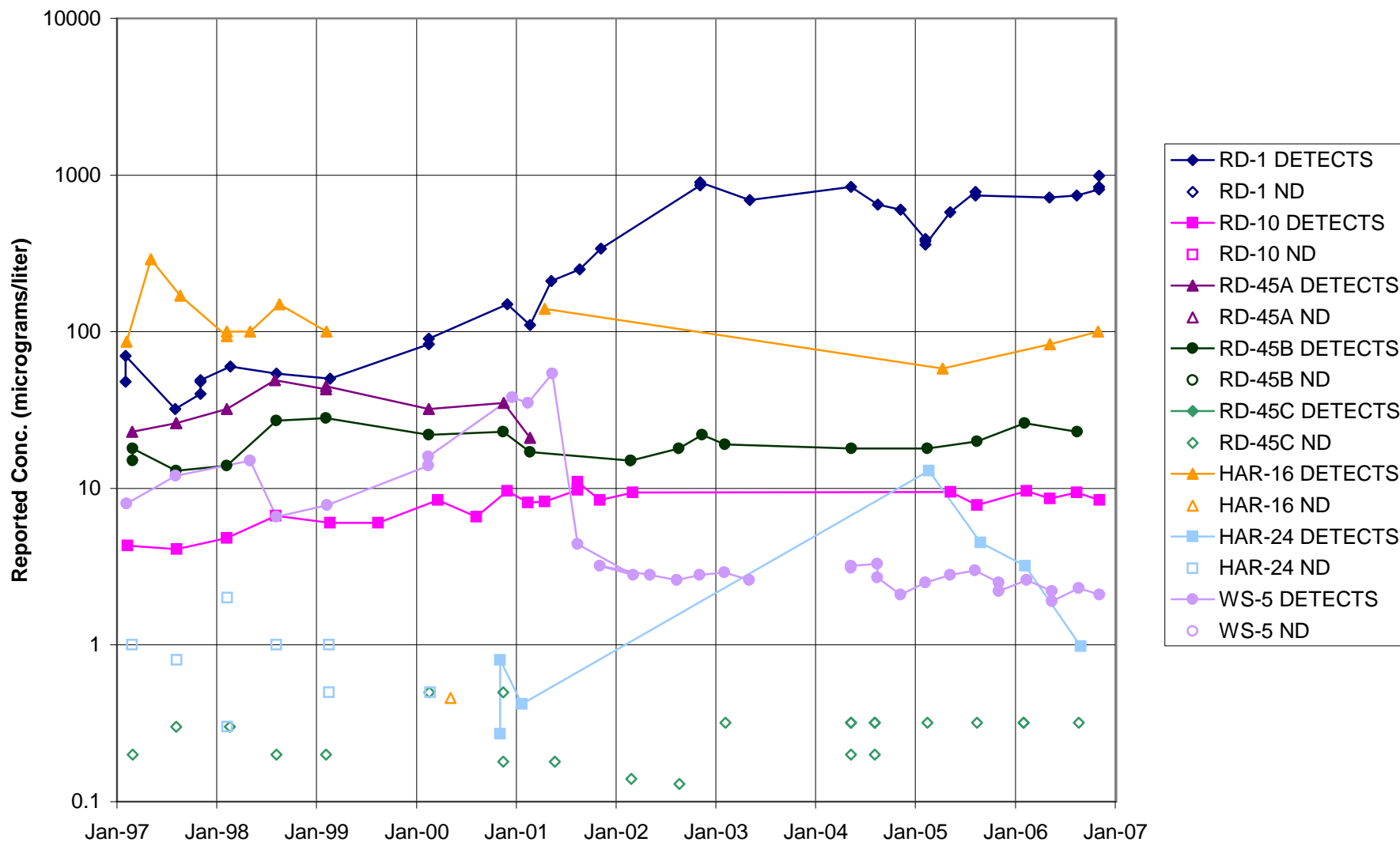


FIGURE F-160. CIS-1,2-DCE in CTL-III / PERIMETER POND AREA WELLS

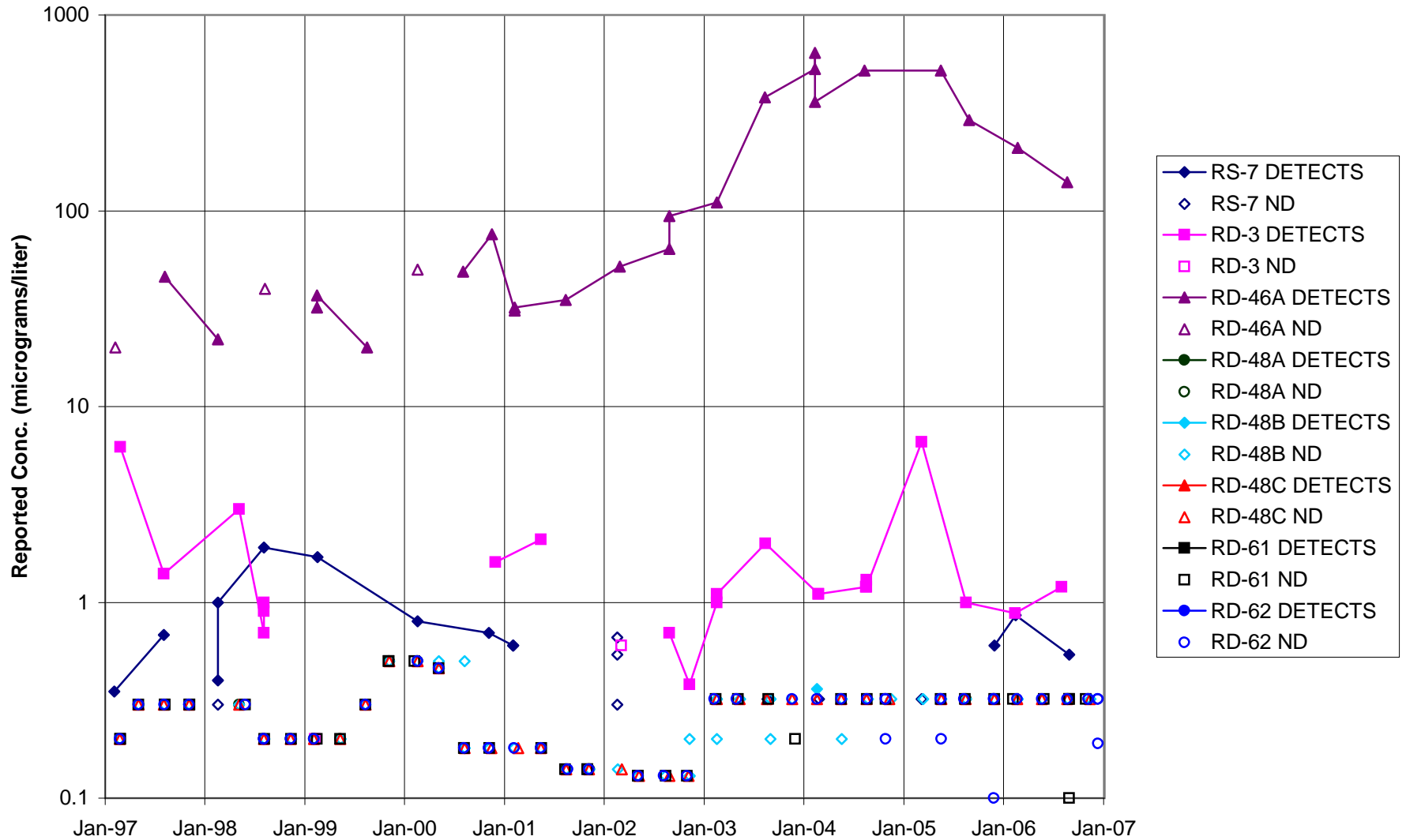


FIGURE F-161. CIS-1,2-DCE in BOWL AREA WELLS

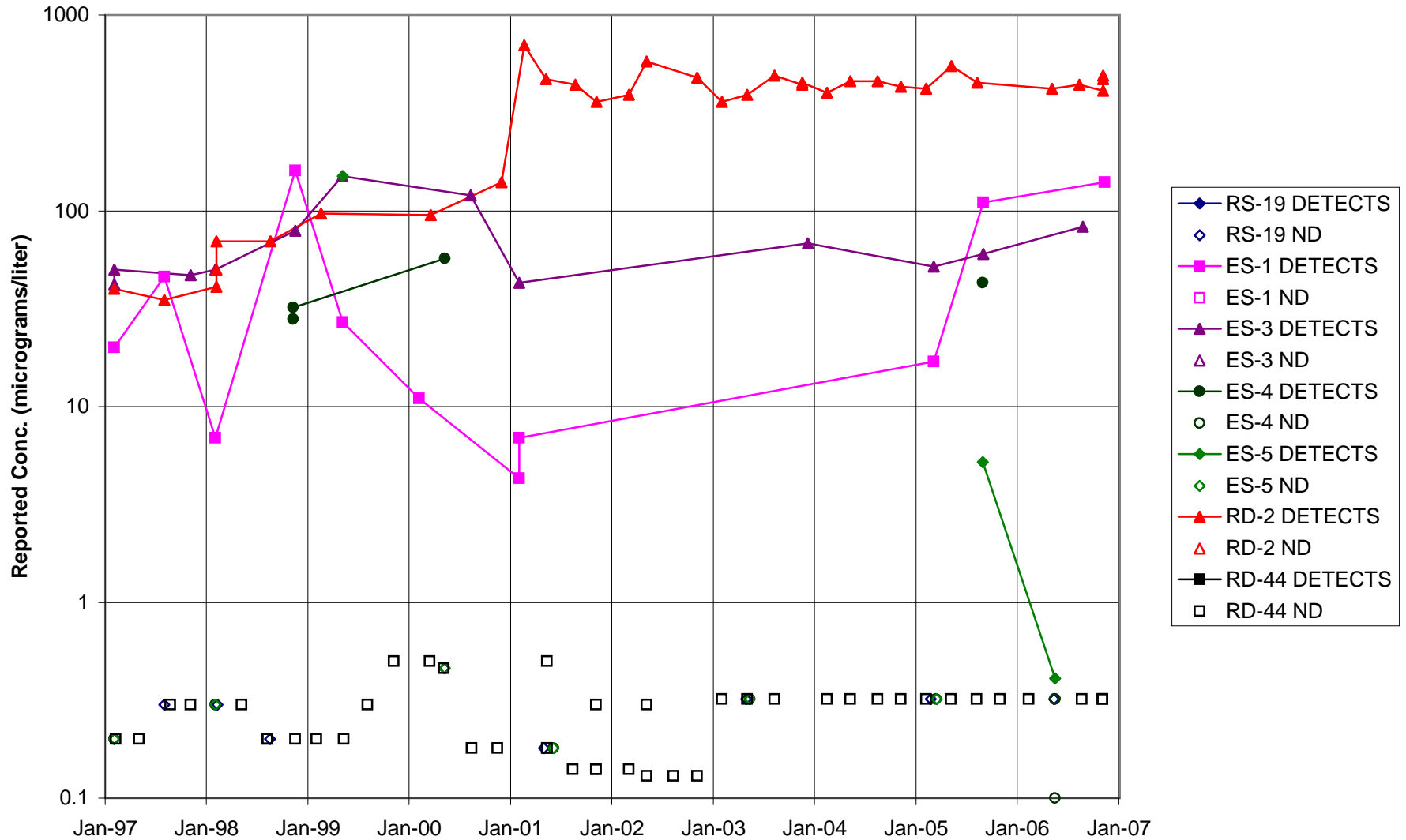


FIGURE F-162. CIS-1,2-DCE in ECL AREA WELLS

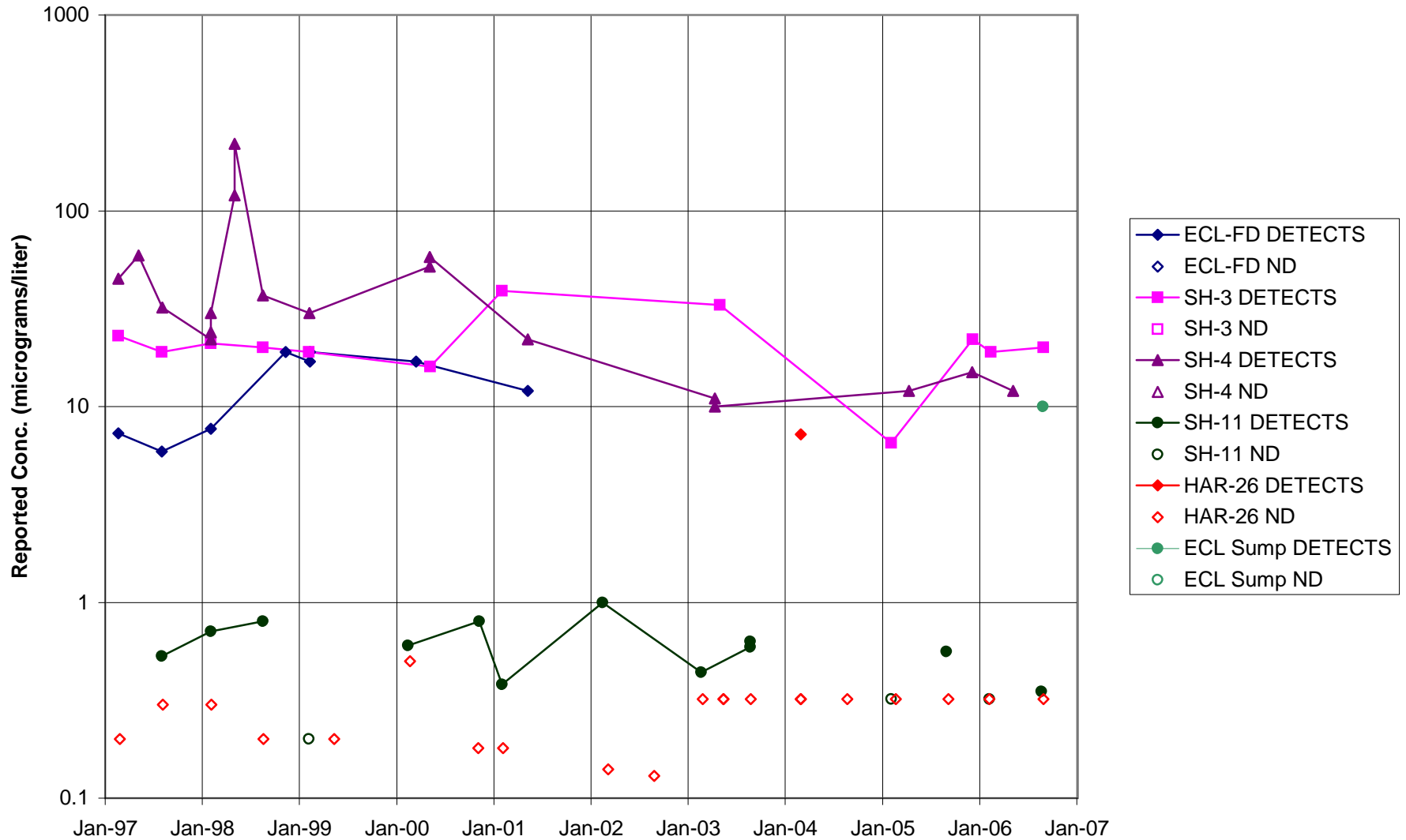


FIGURE F-163. CIS-1,2-DCE in FORMER LOX PLANT AREA WELLS

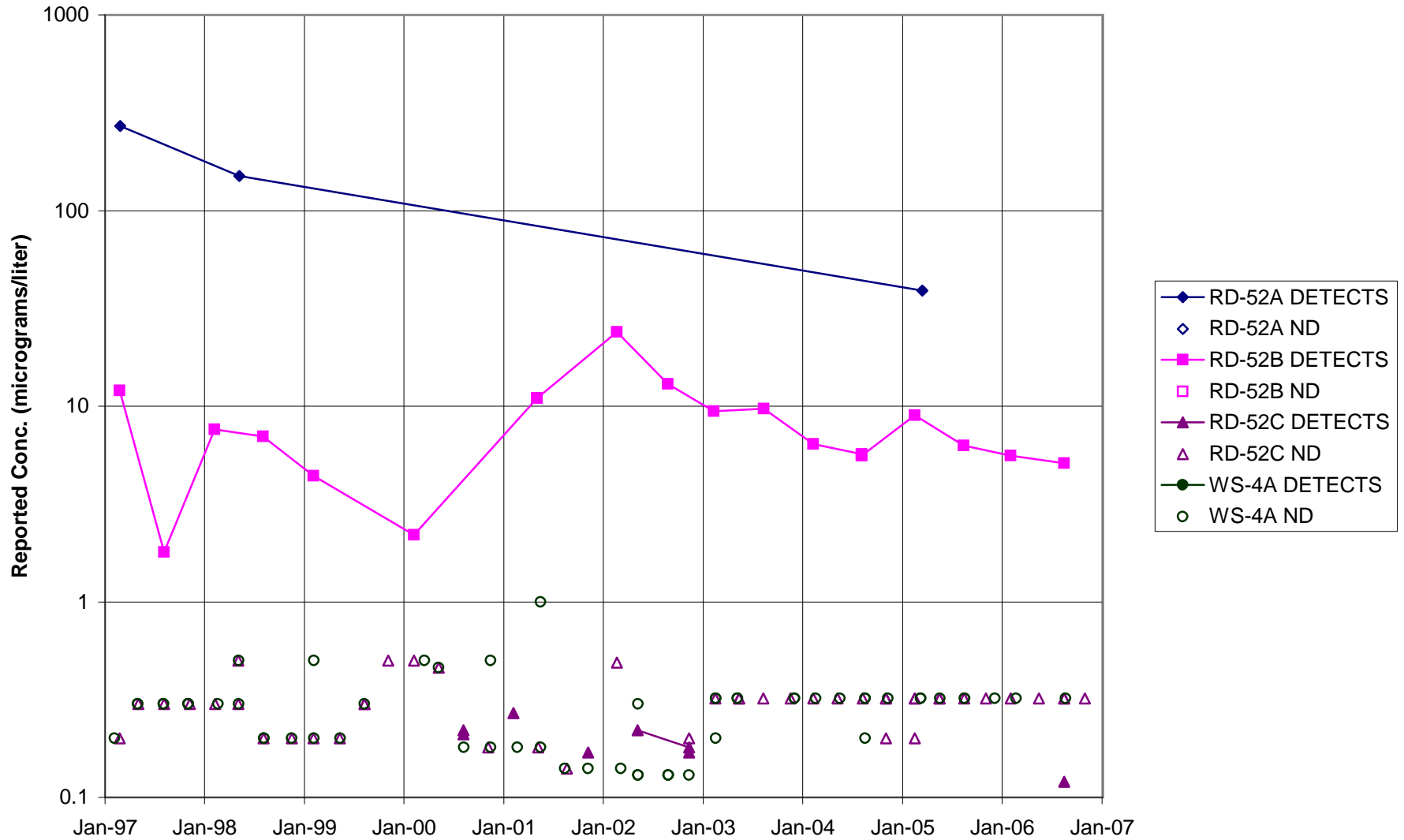


FIGURE F-164. CIS-1,2-DCE in RD-09 AREA WELLS

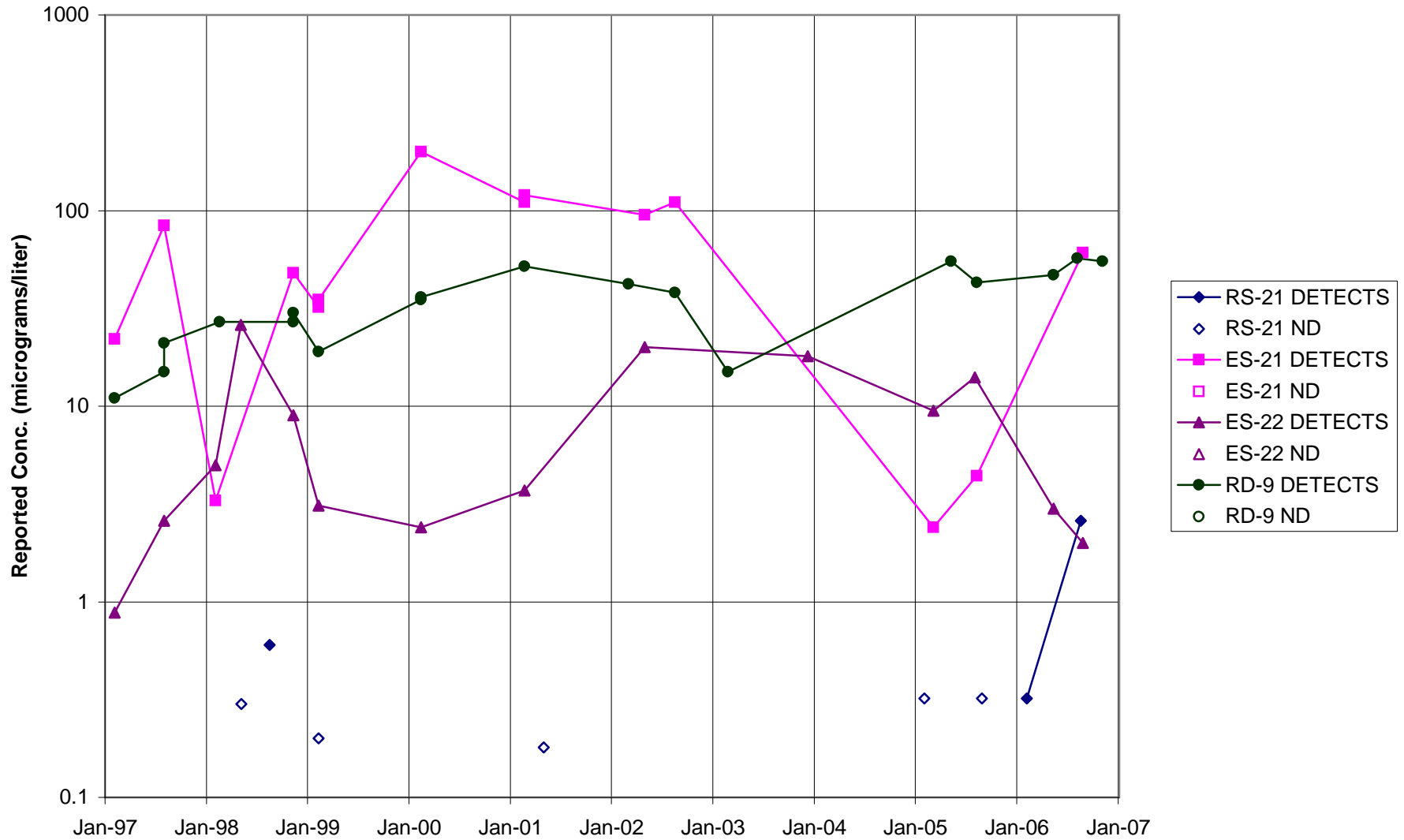


FIGURE F-165. CIS-1,2-DCE in HELIPORT, B/204 AREA WELLS

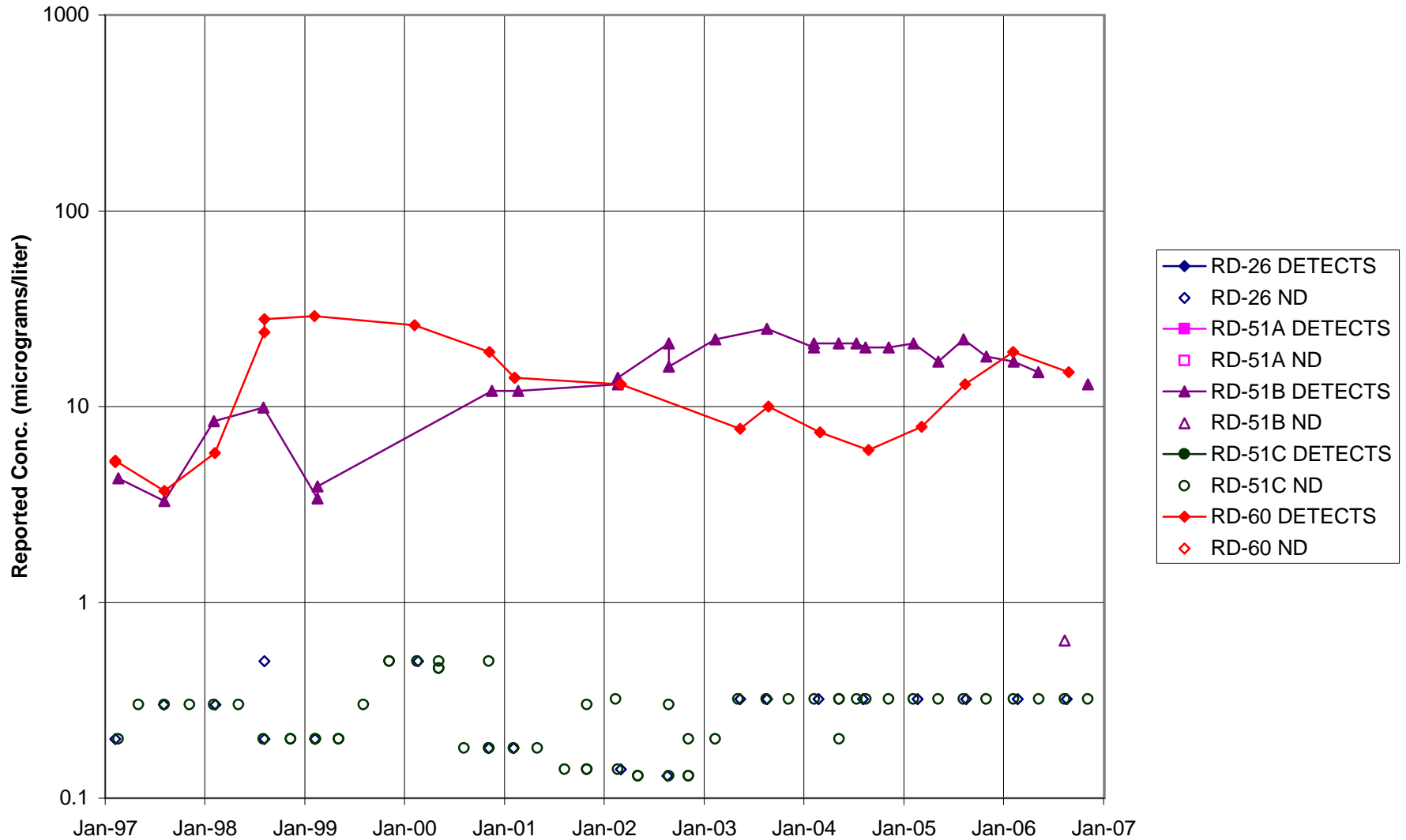


FIGURE F-166. CIS-1,2-DCE in ALFA / BRAVO AREA WELLS

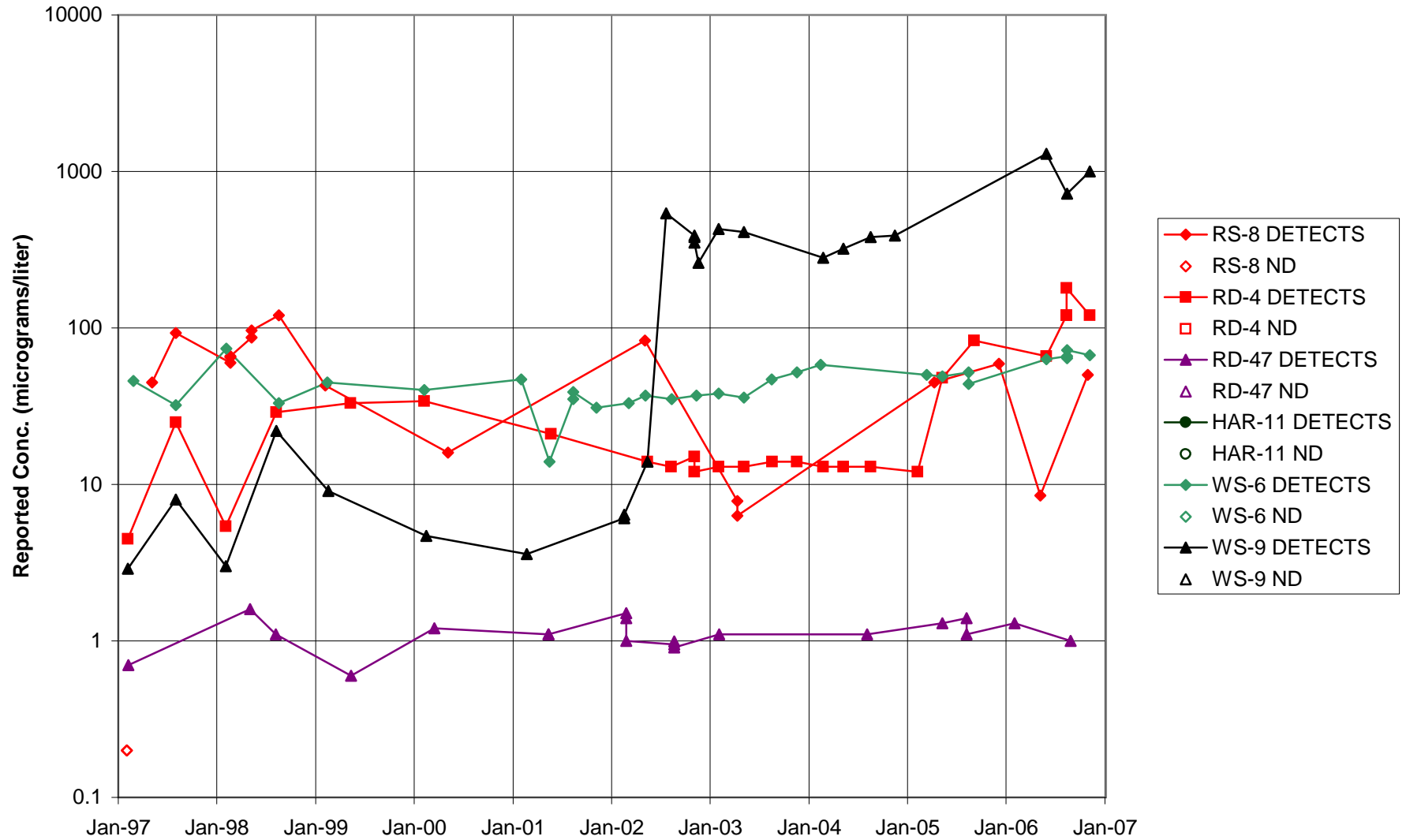


FIGURE F-167. CIS-1,2-DCE in SPA AREA WELLS



FIGURE F-168. CIS-1,2-DCE in COCA / PLF AREA WELLS

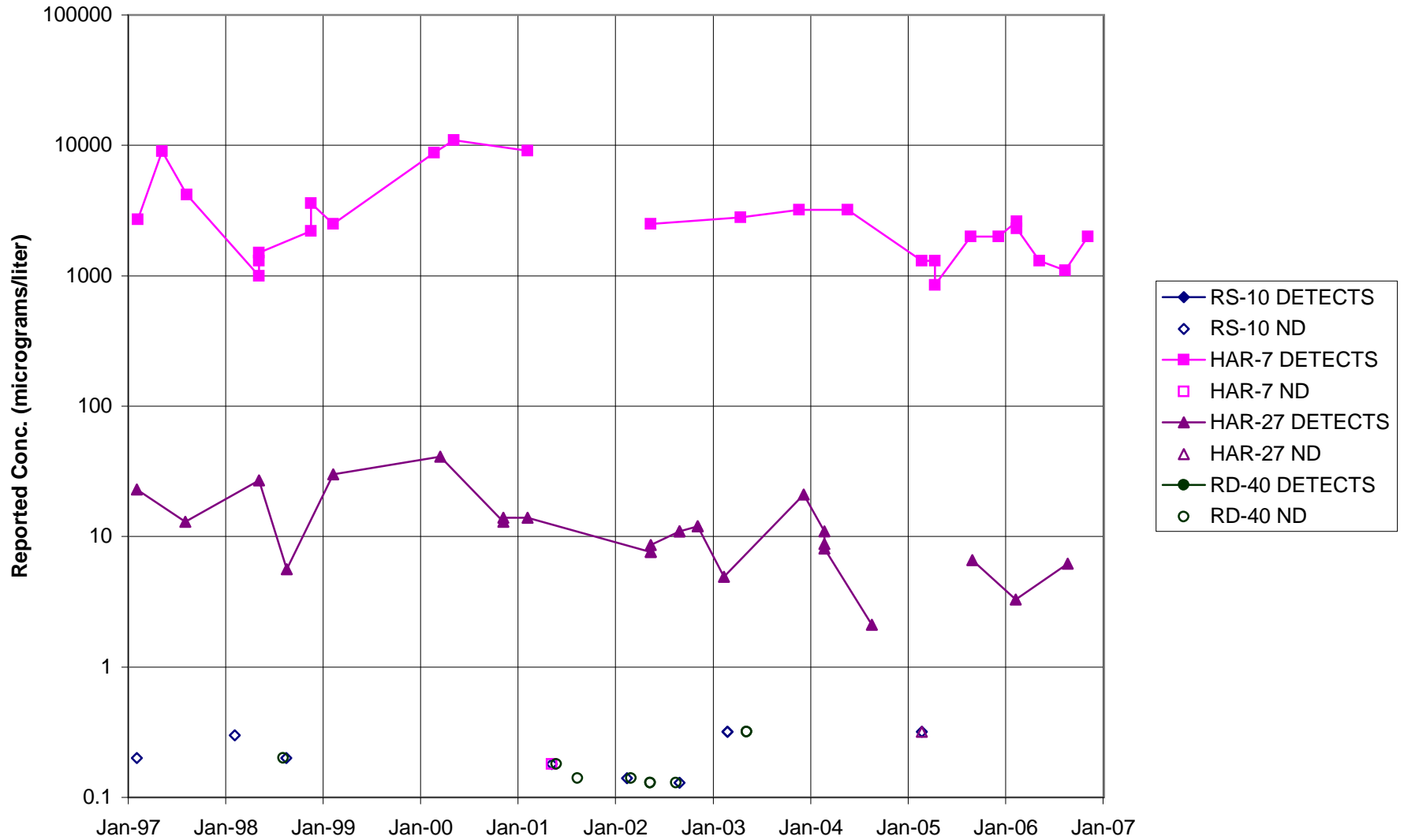


FIGURE F-169. CIS-1,2-DCE in DELTA / BUFFER ZONE AREA WELLS

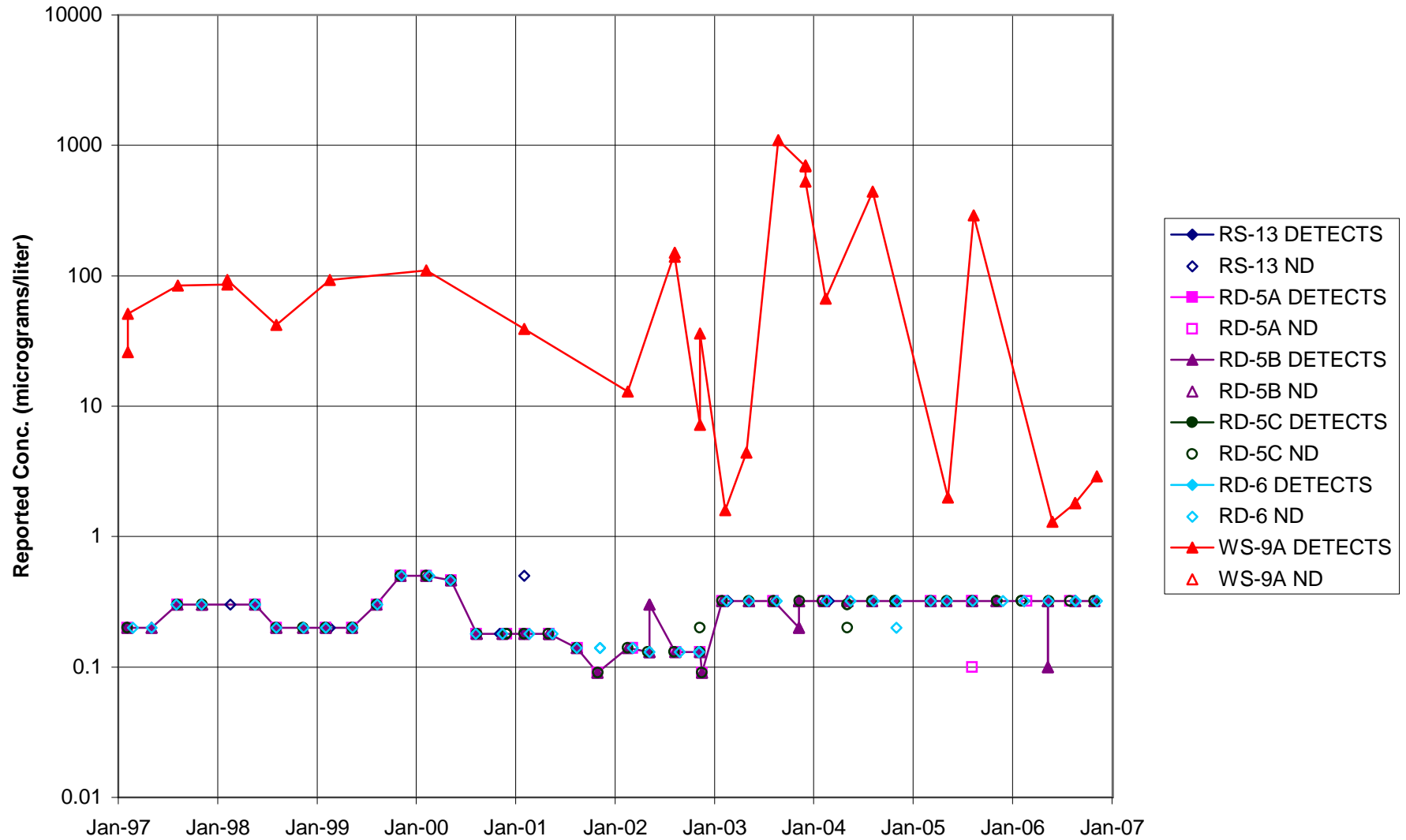


FIGURE F-170. CIS-1,2-DCE in AREA IV WELLS

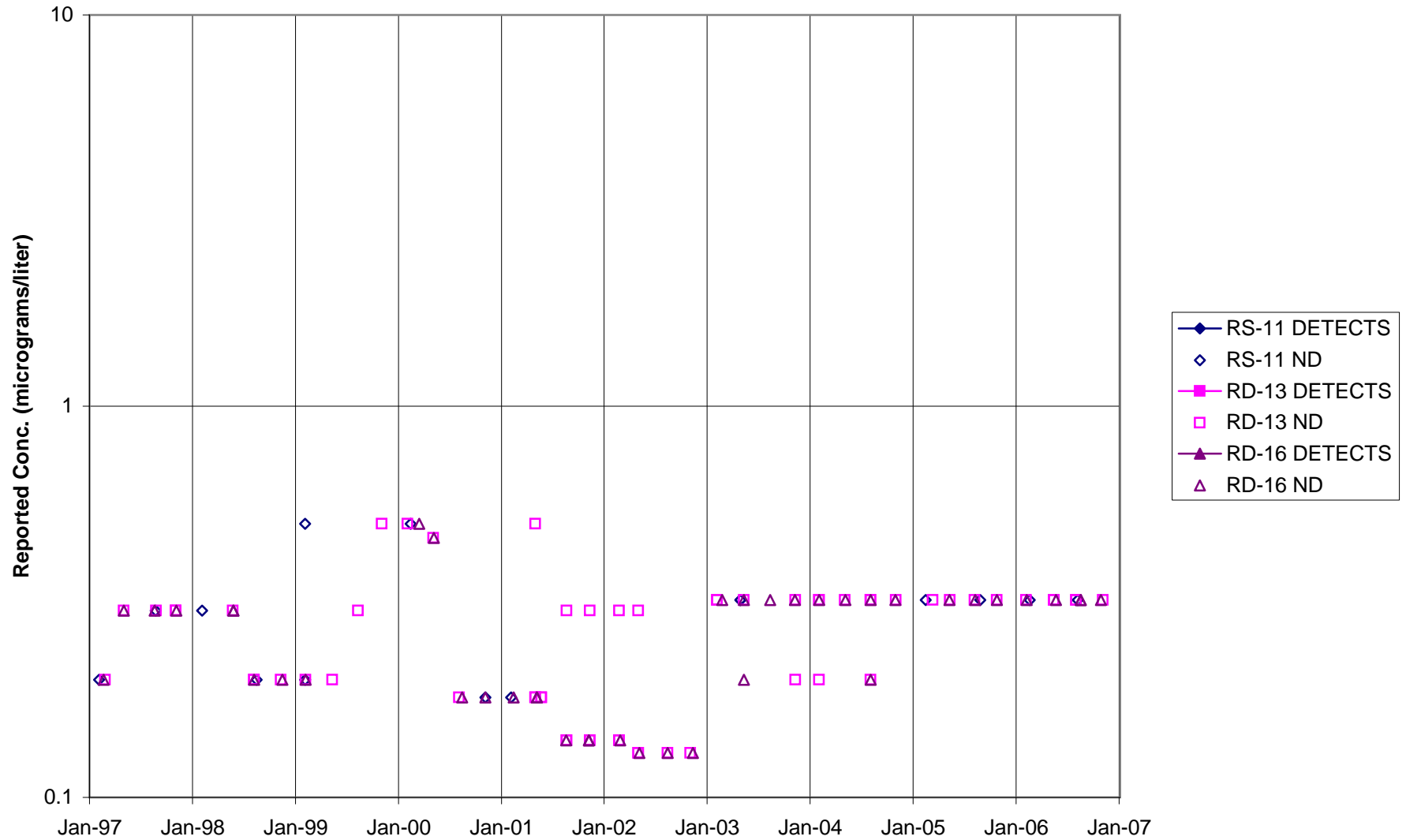


FIGURE F-171. ETHYLBENZENE IN STL-IV AREA SHALLOW WELLS

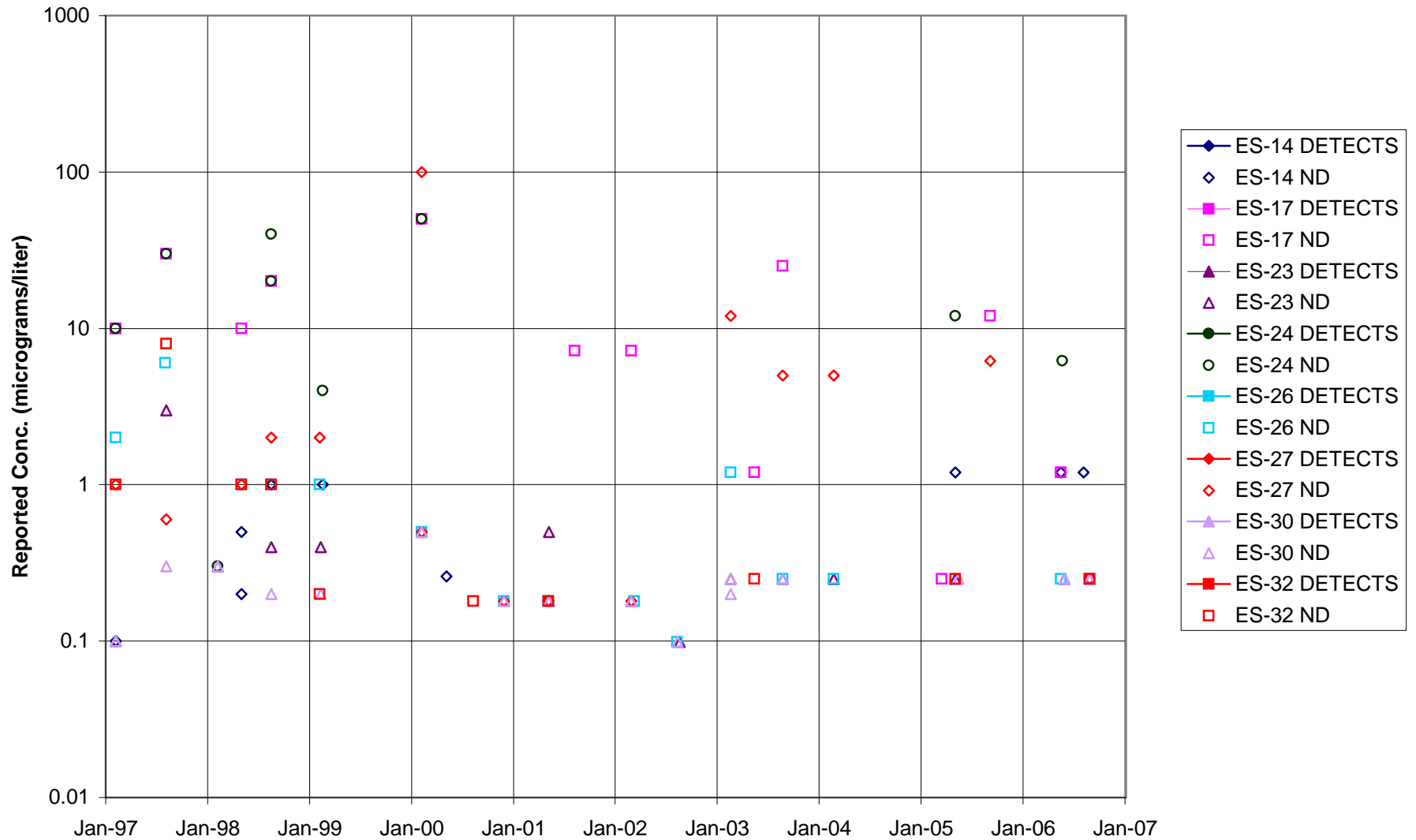


FIGURE F-172. ETHYLBENZENE IN STL-IV AREA CHATSWORTH FORMATION WELLS

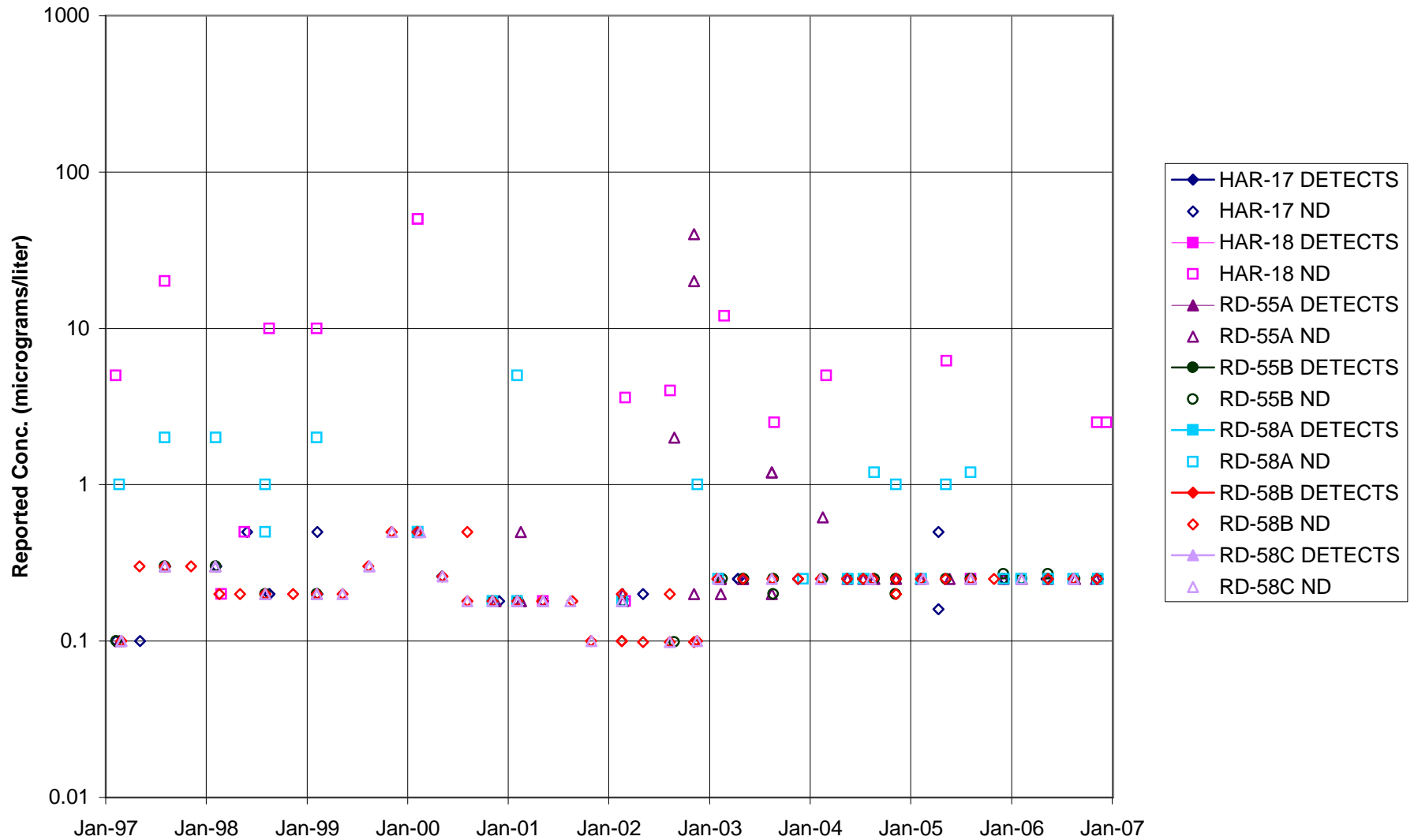


FIGURE F-173. ETHYLBENZENE IN MAIN GATE AREA WELLS - 1

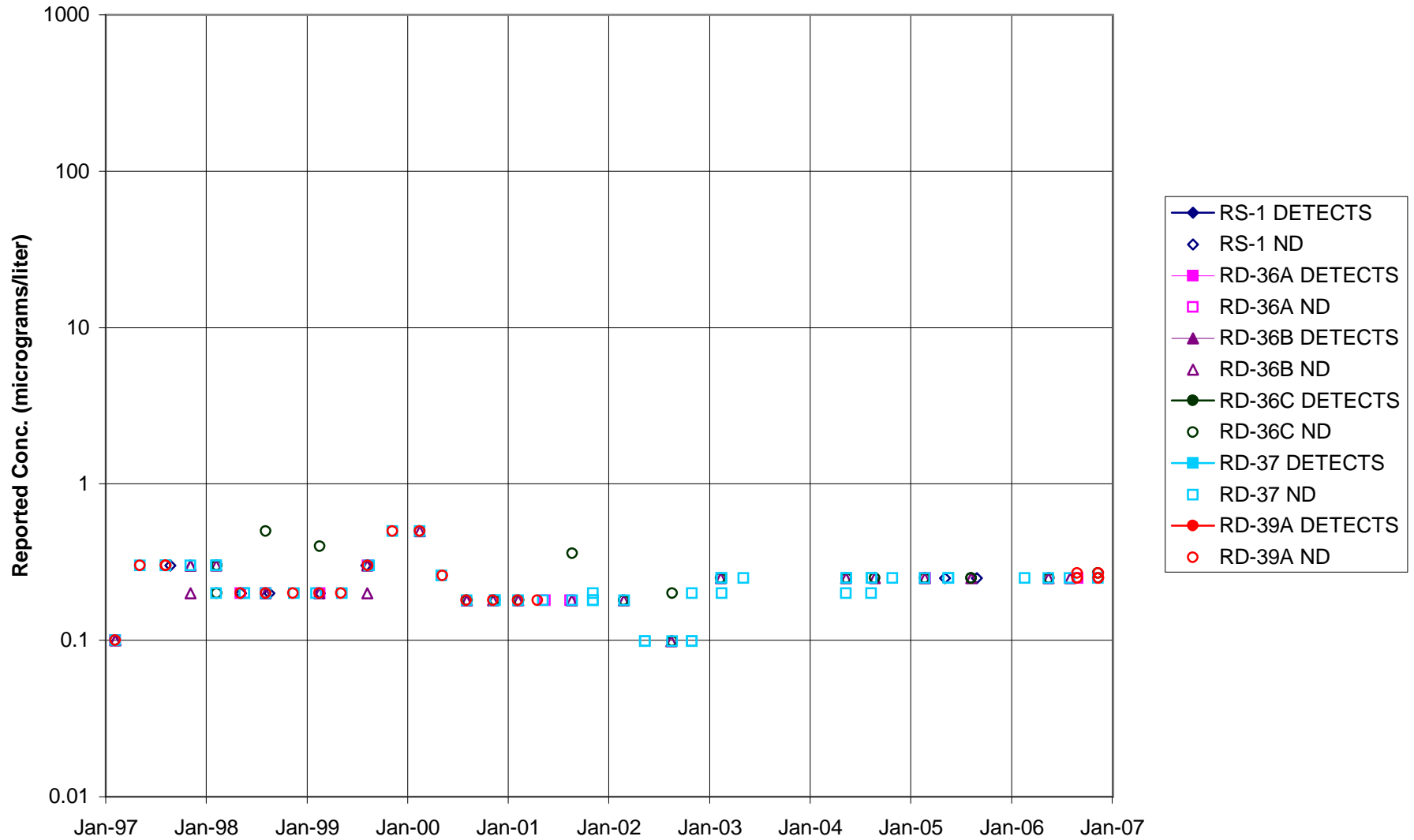


FIGURE F-174. ETHYLBENZENE IN MAIN GATE AREA WELLS - 2

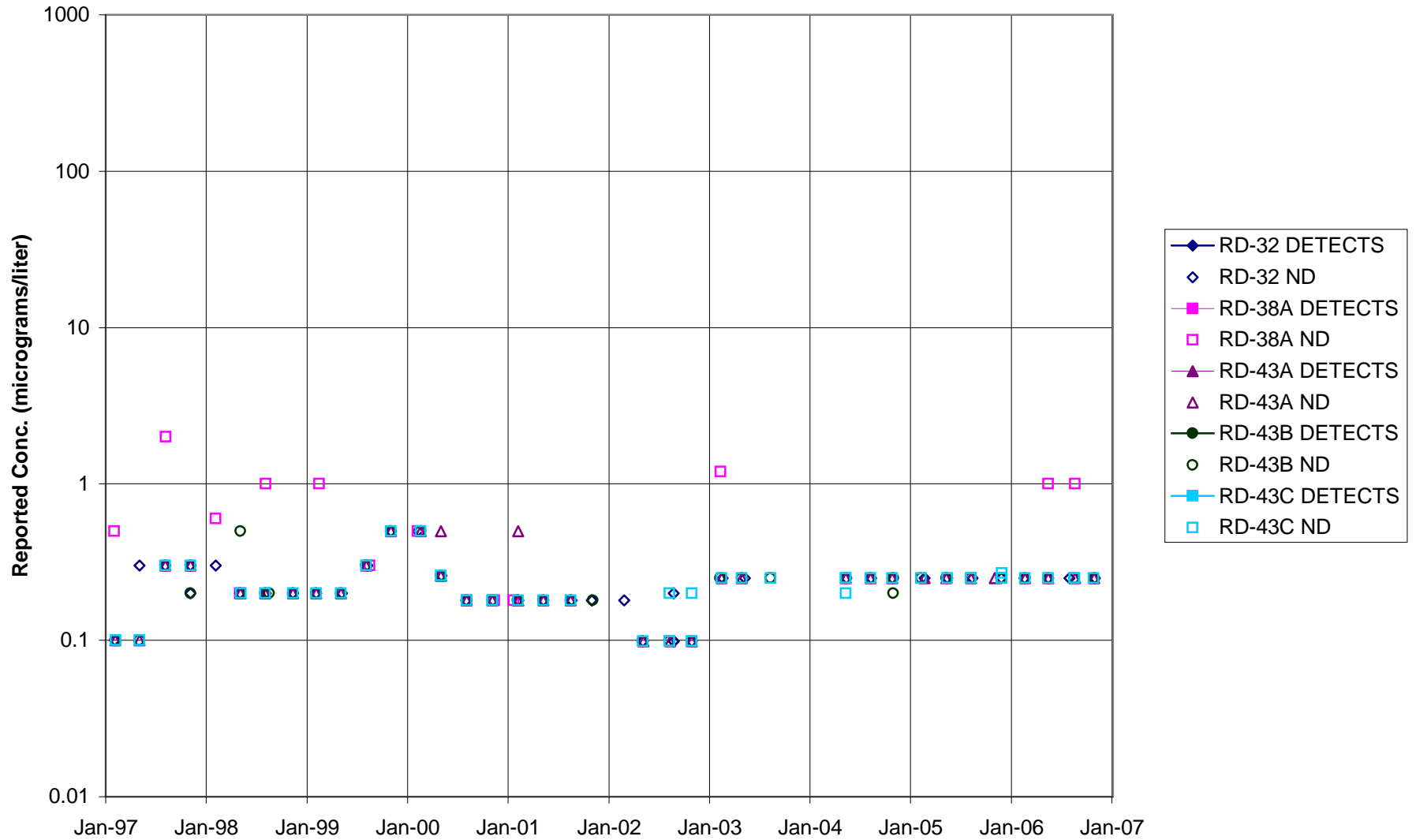


FIGURE F-175. ETHYLBENZENE IN APTF, CANYON & HAPPY VALLEY AREA WELLS - 1

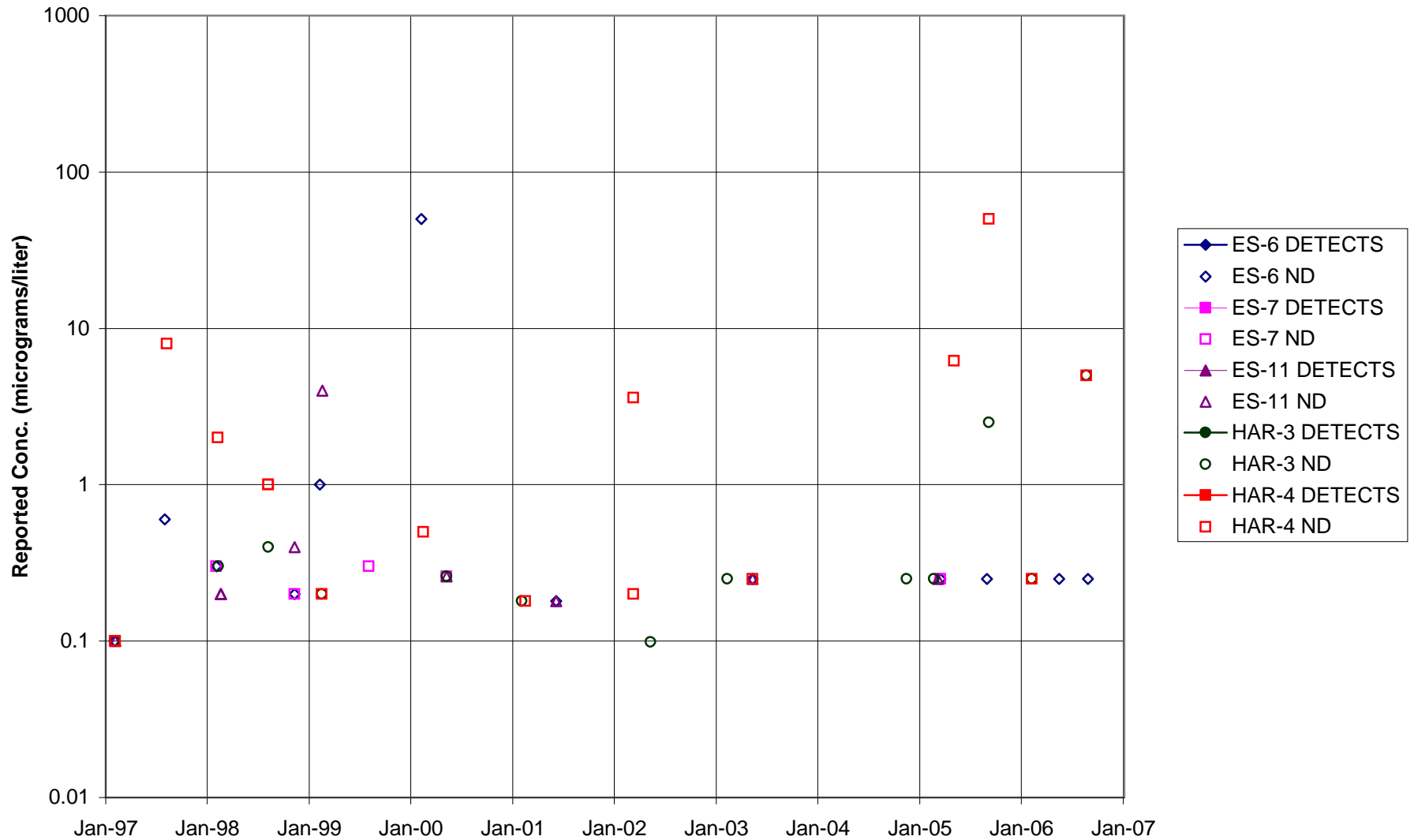


FIGURE F-176. ETHYLBENZENE IN APTF, CANYON & HAPPY VALLEY AREA WELLS - 2

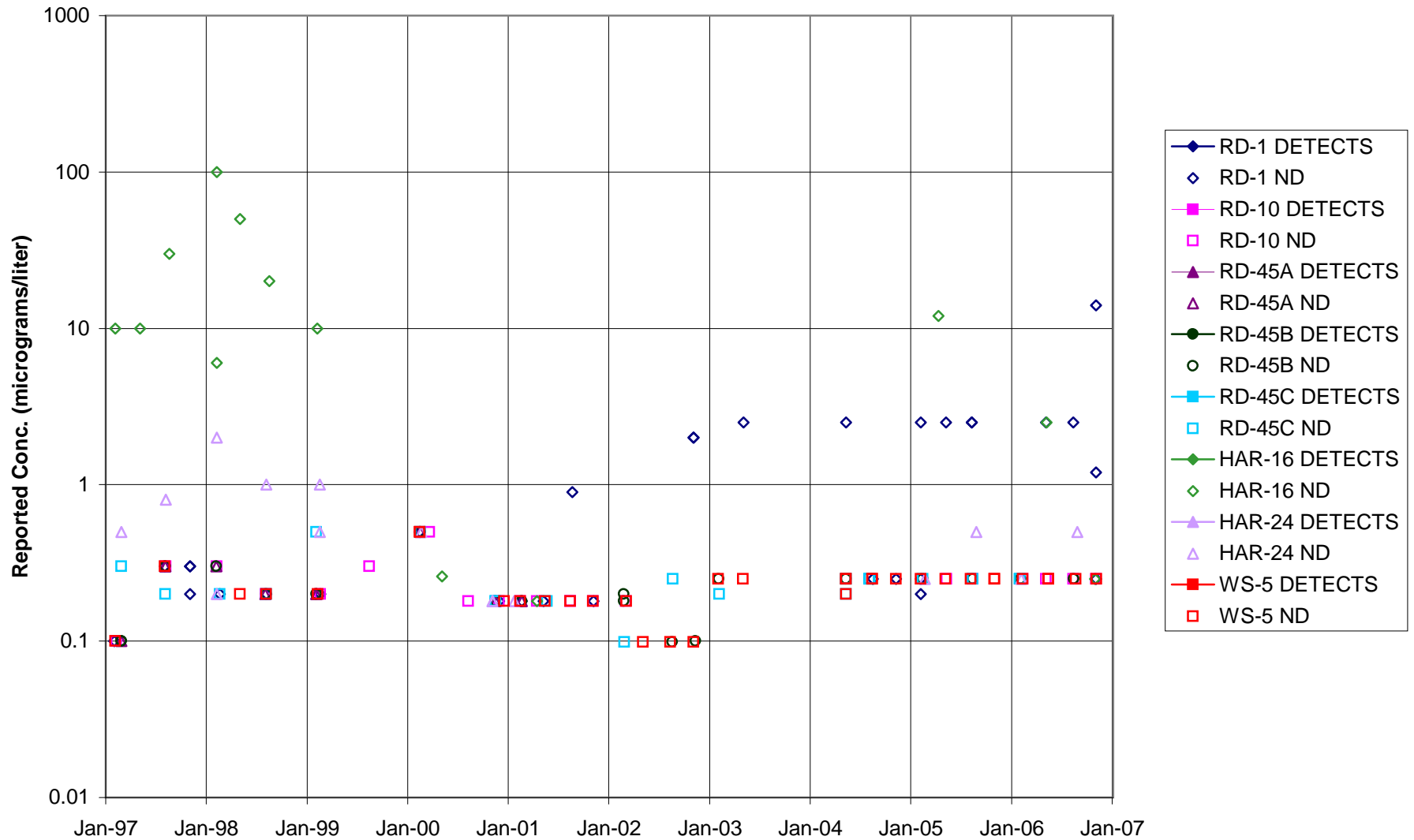


FIGURE F-177. ETHYLBENZENE IN CTL-III / PERIMETER POND AREA WELLS

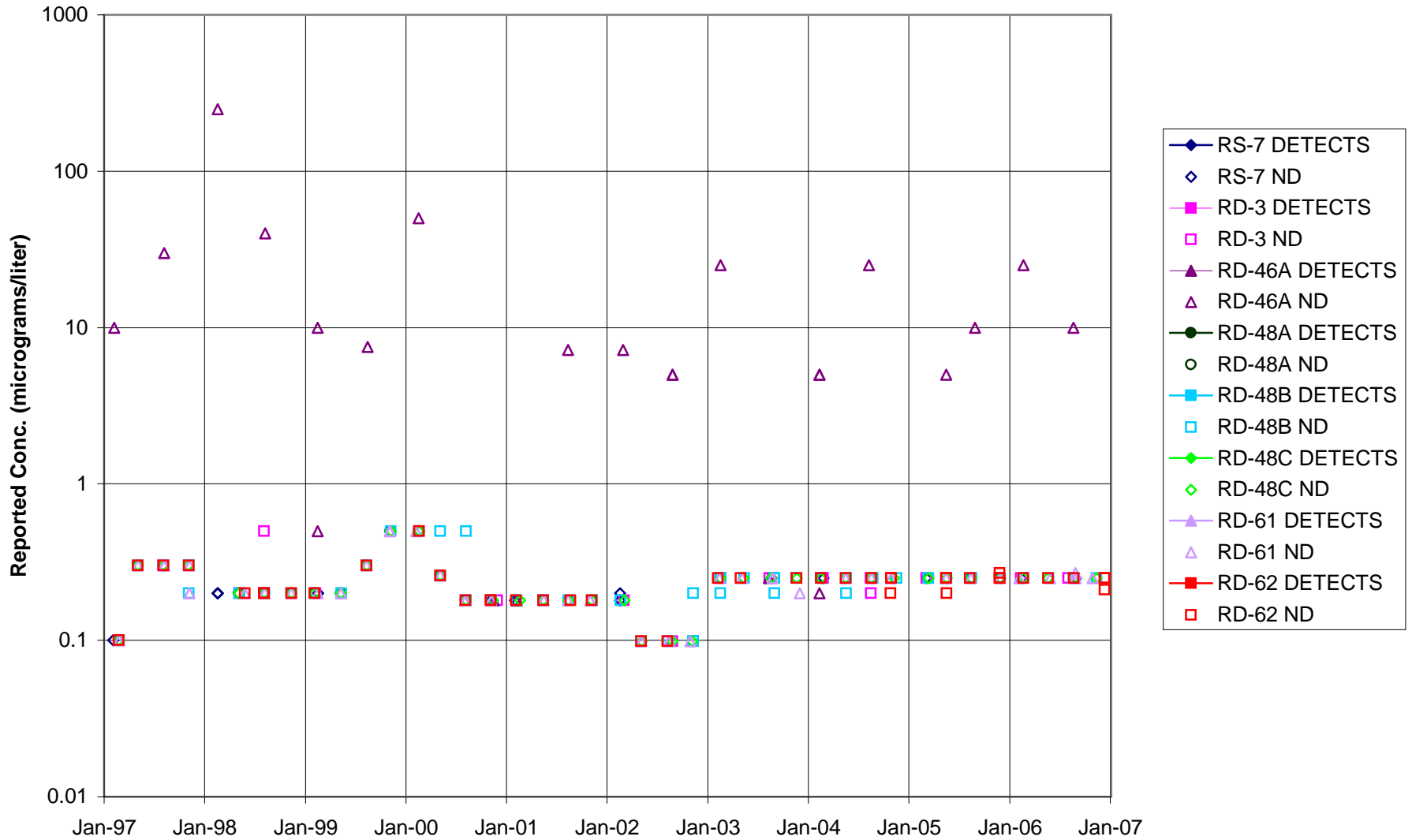


FIGURE F-178. ETHYLBENZENE IN BOWL AREA WELLS

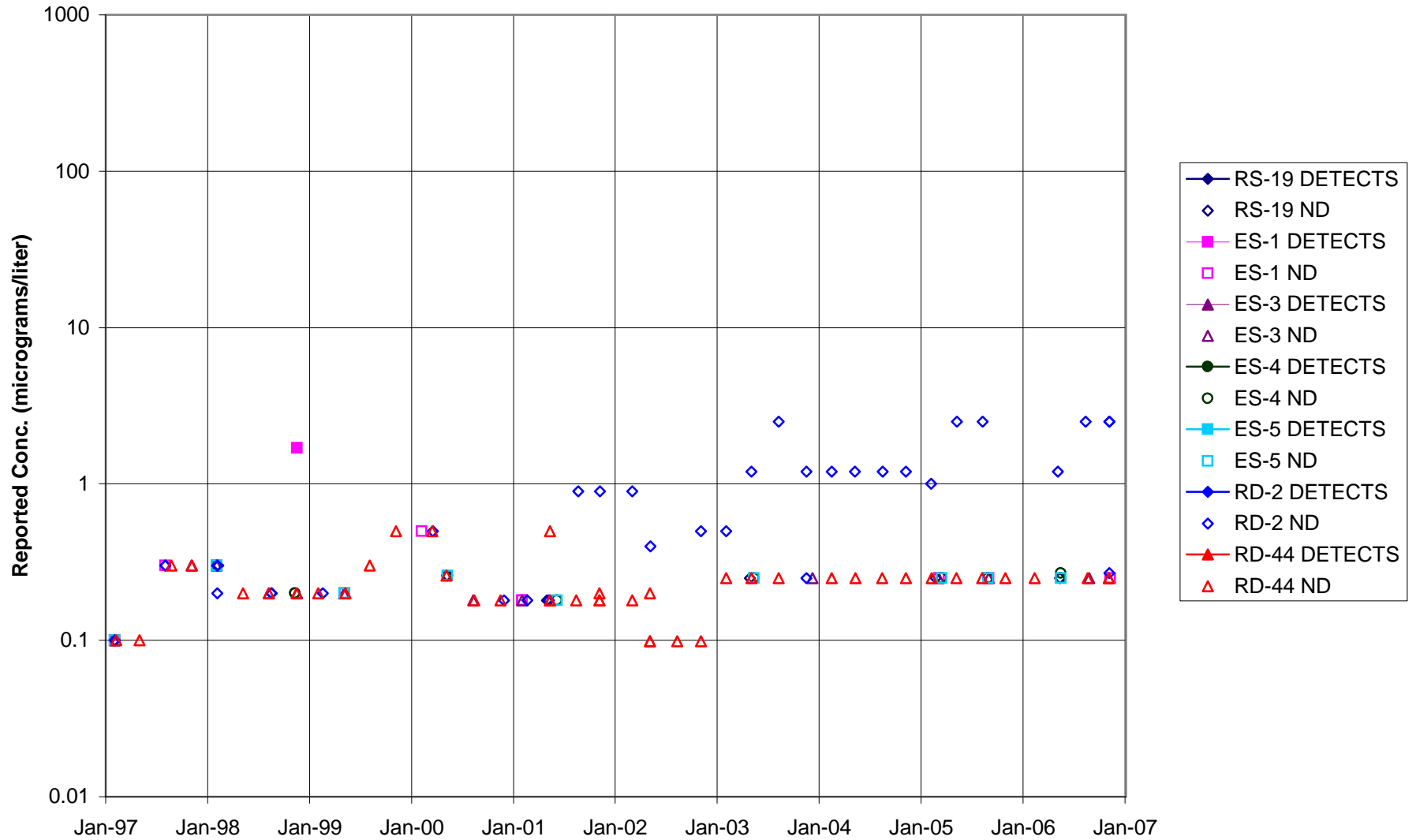


FIGURE F-179. ETHYLBENZENE IN ECL AREA WELLS

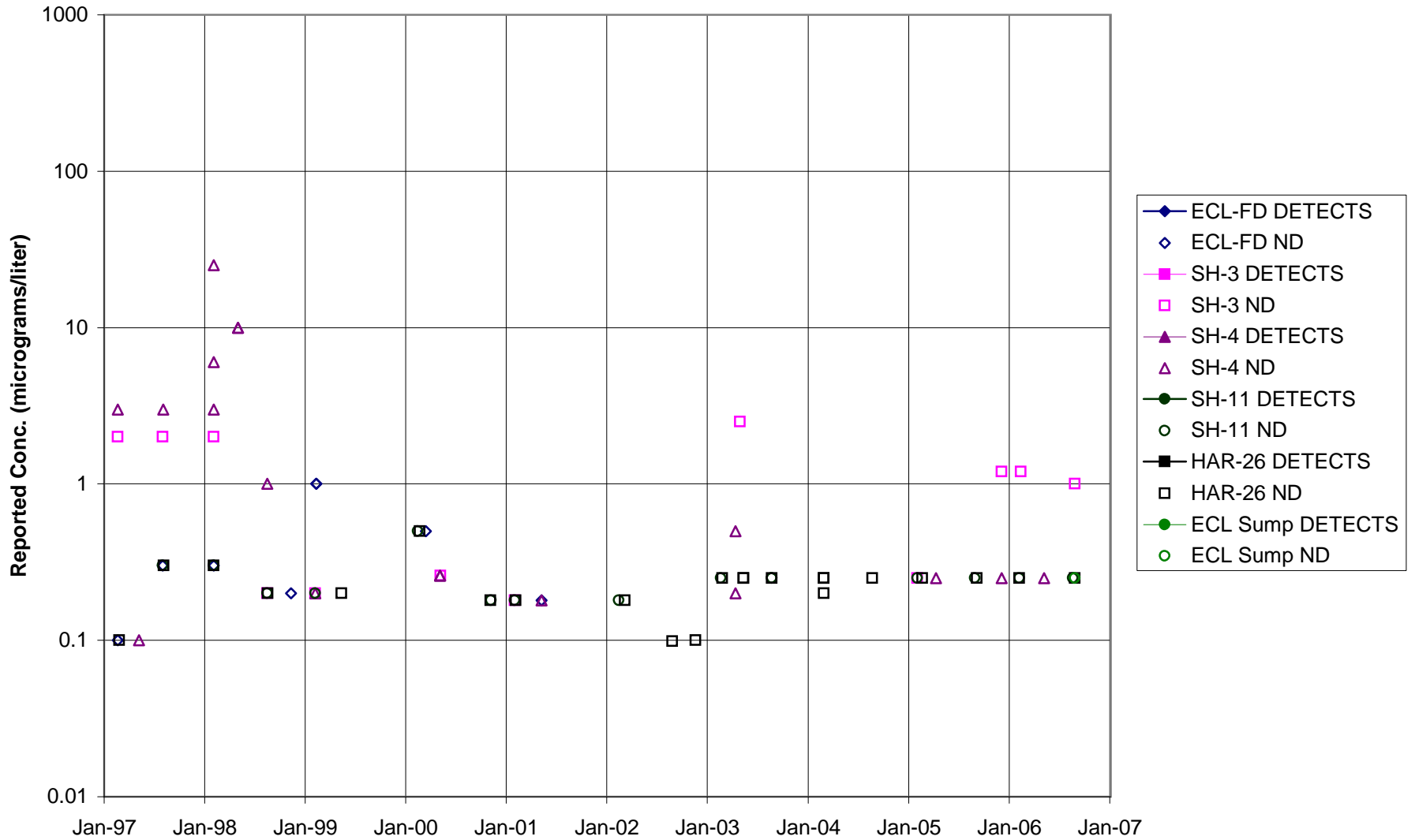


FIGURE F-180. ETHYLBENZENE IN FORMER LOX PLANT AREA WELLS

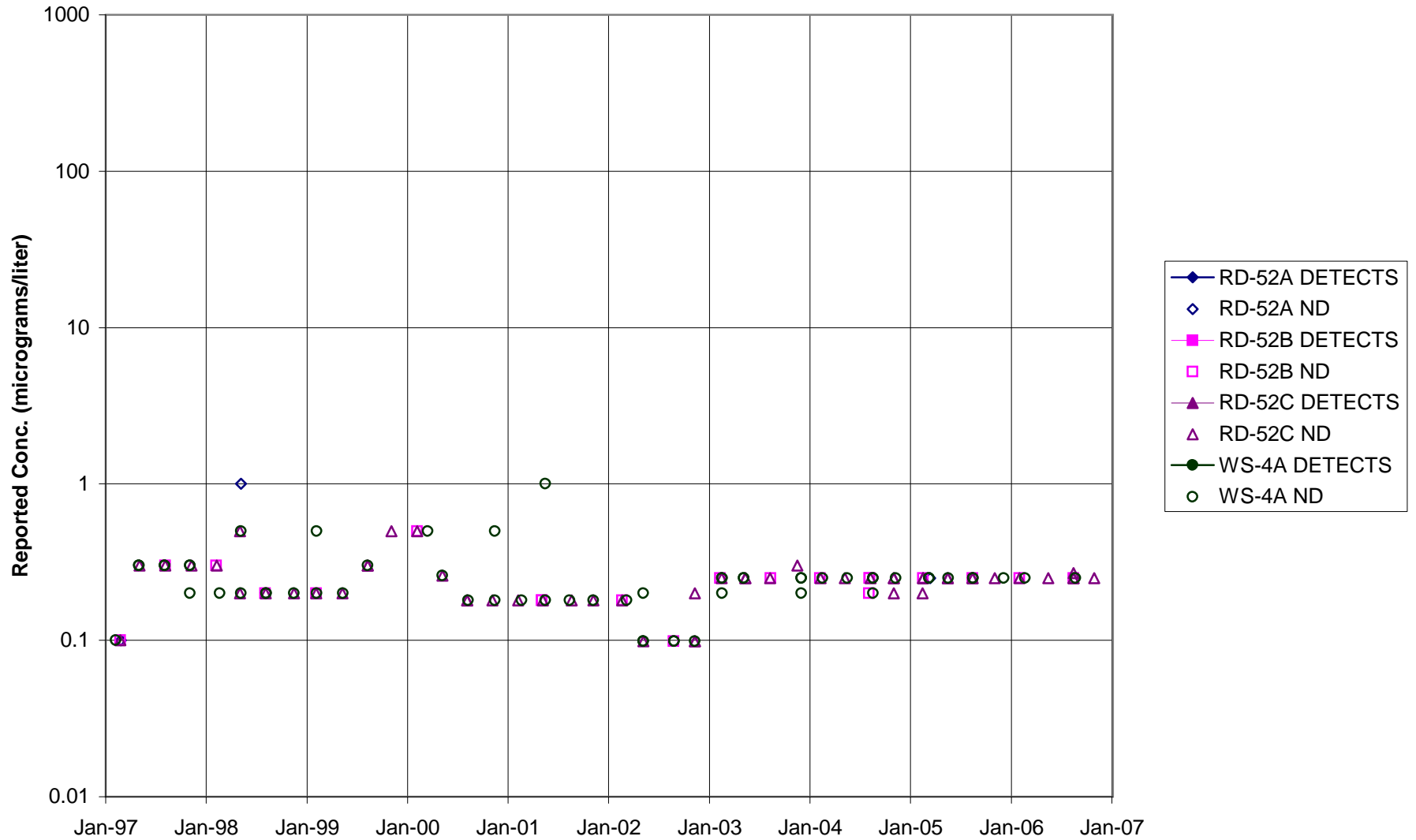


FIGURE F-181. ETHYLBENZENE IN RD-09 AREA WELLS

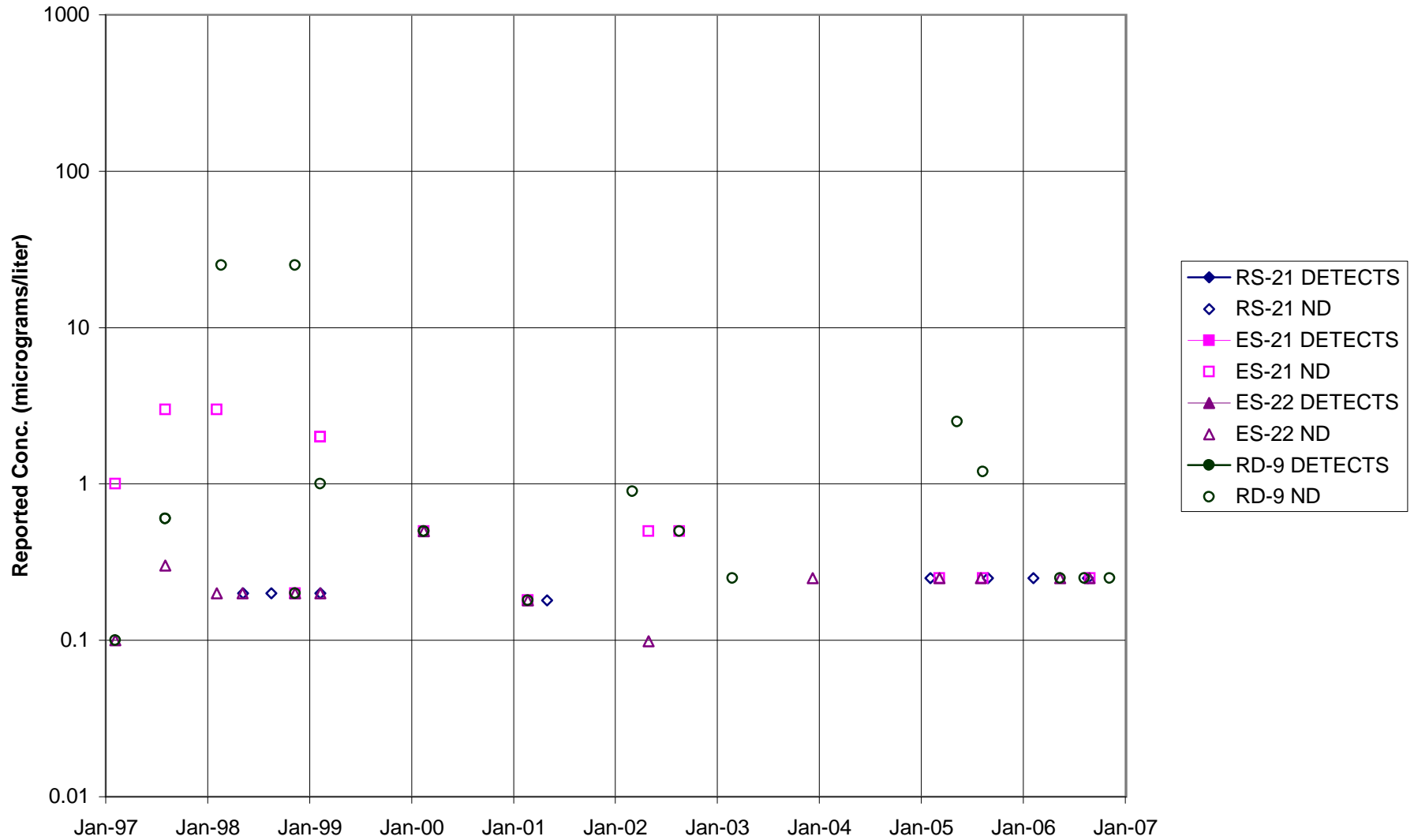


FIGURE F-182. ETHYLBENZENE IN HELIPORT, B/204 AREA WELLS

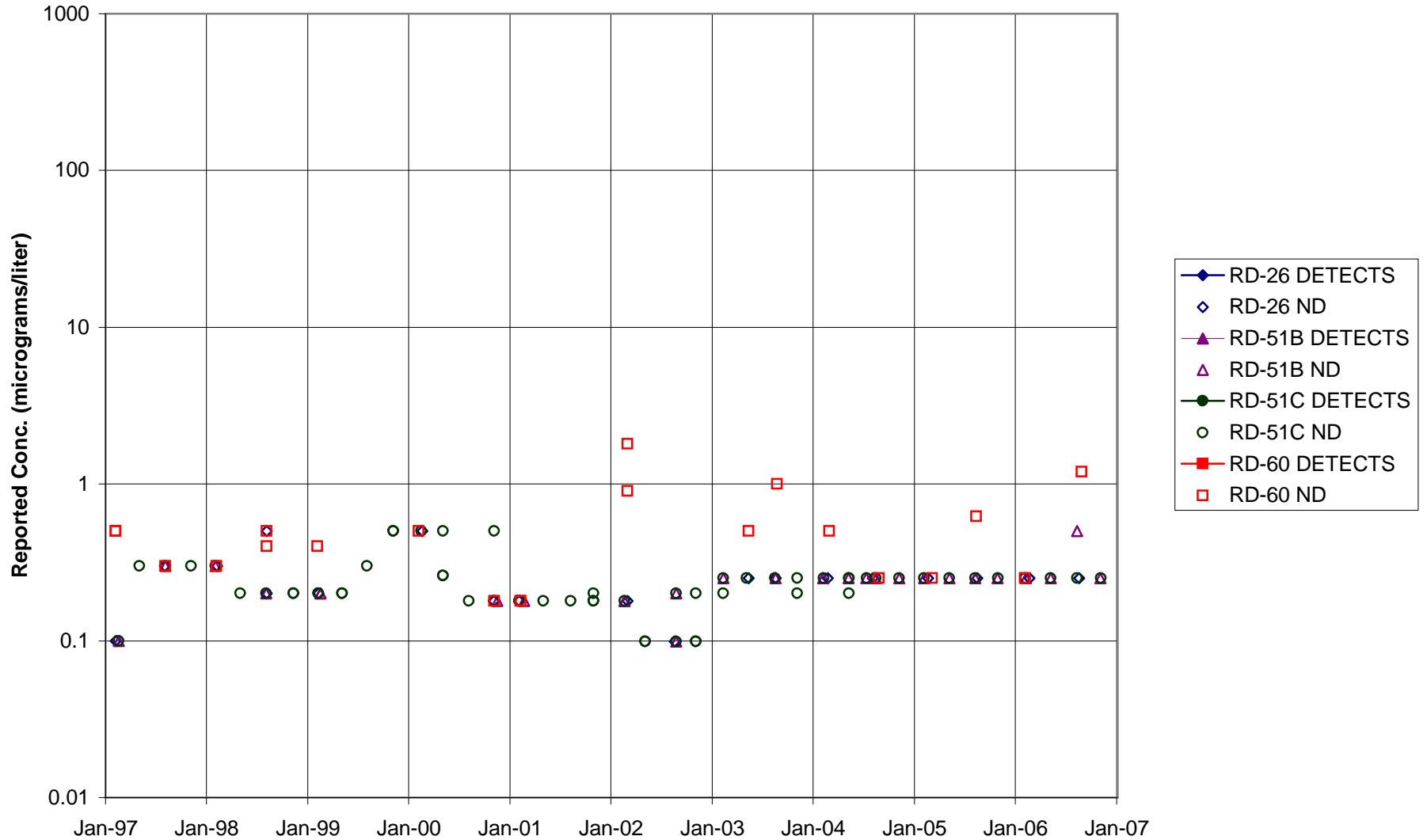


FIGURE F-183. ETHYLBENZENE IN ALFA / BRAVO AREA WELLS

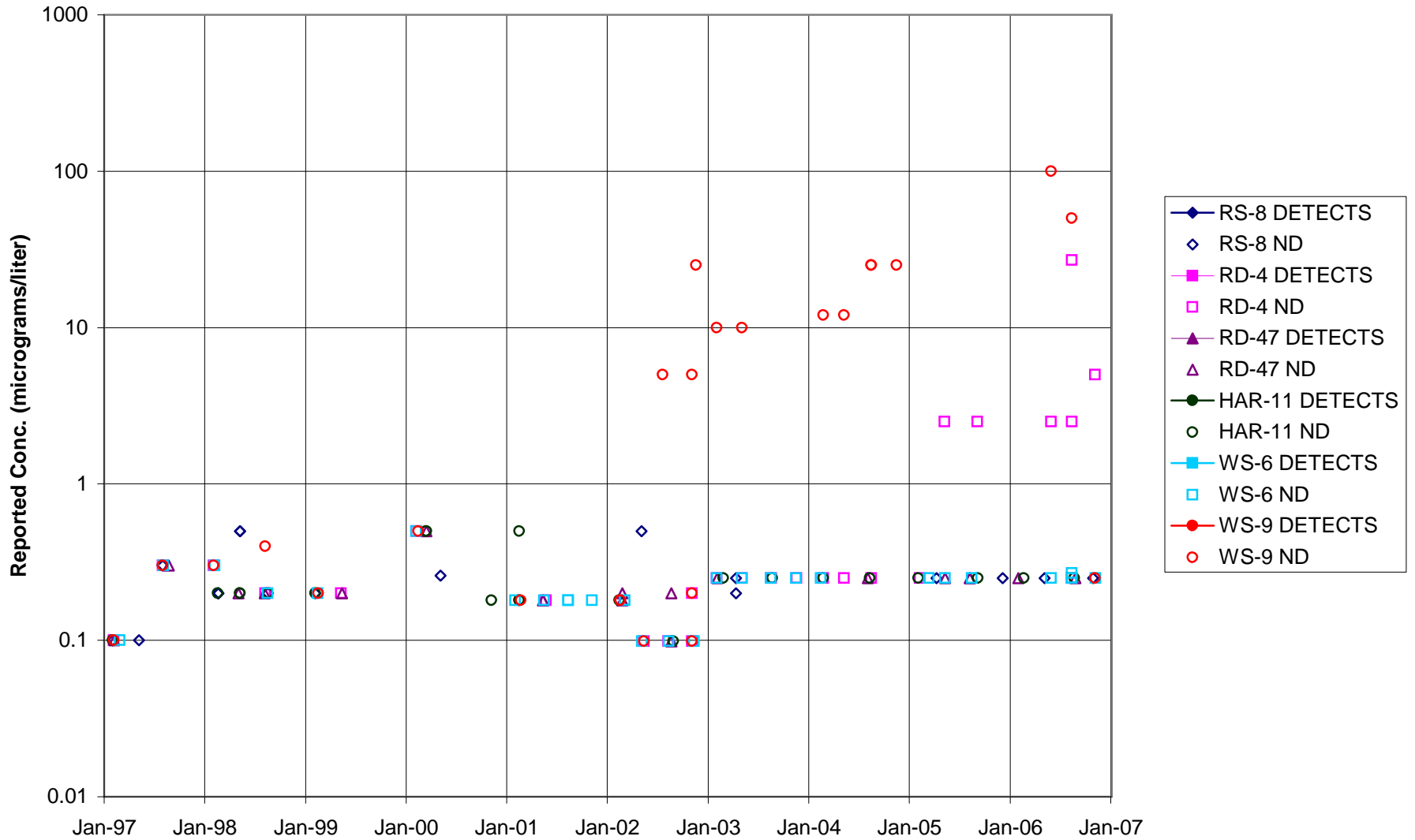


FIGURE F-184. ETHYLBENZENE IN SPA AREA WELLS

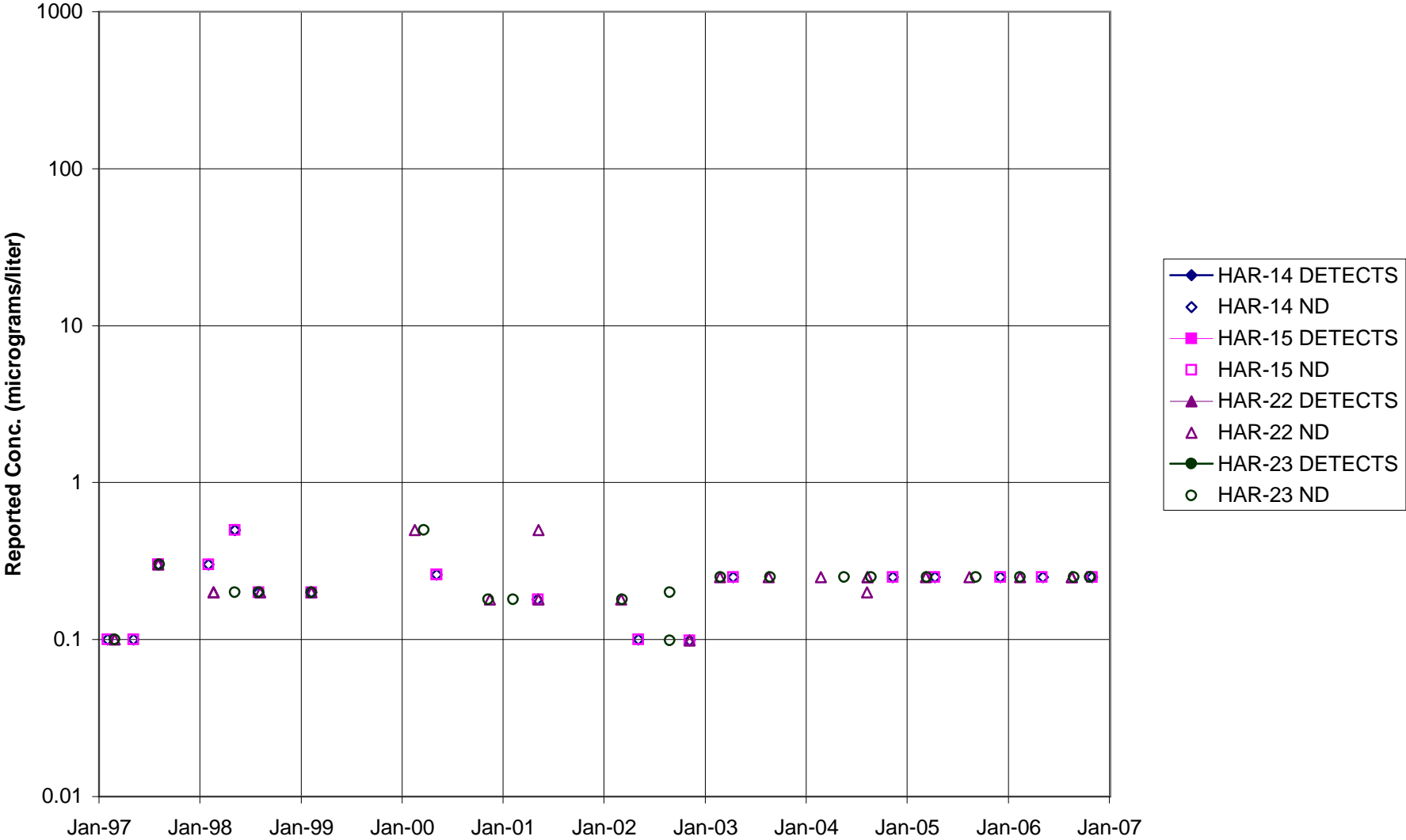


FIGURE F-185. ETHYLBENZENE in COCA / PLF AREA WELLS



FIGURE F-186. ETHYLBENZENE IN DELTA / BUFFER ZONE AREA WELLS

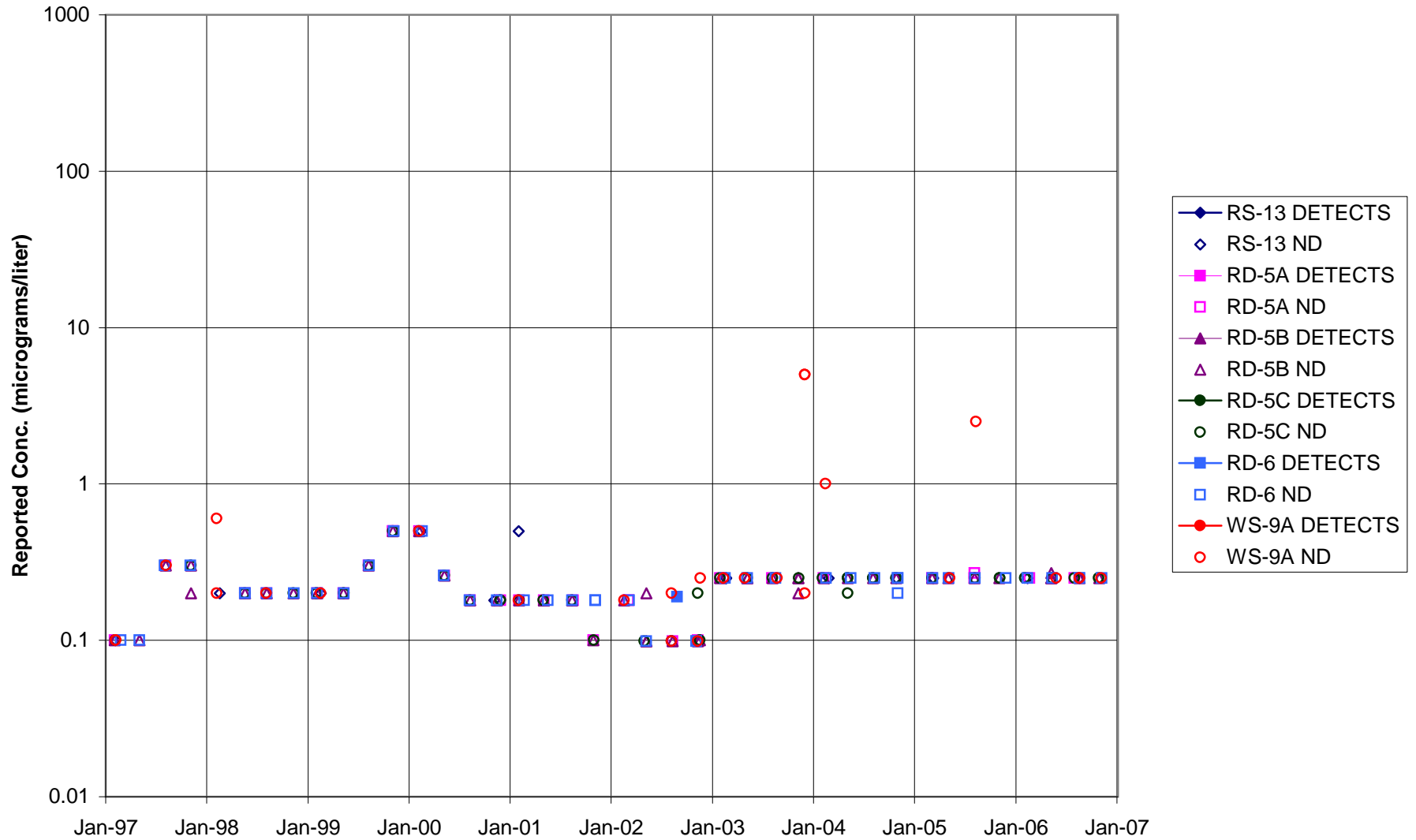


FIGURE F-187. ETHYLBENZENE IN AREA IV WELLS

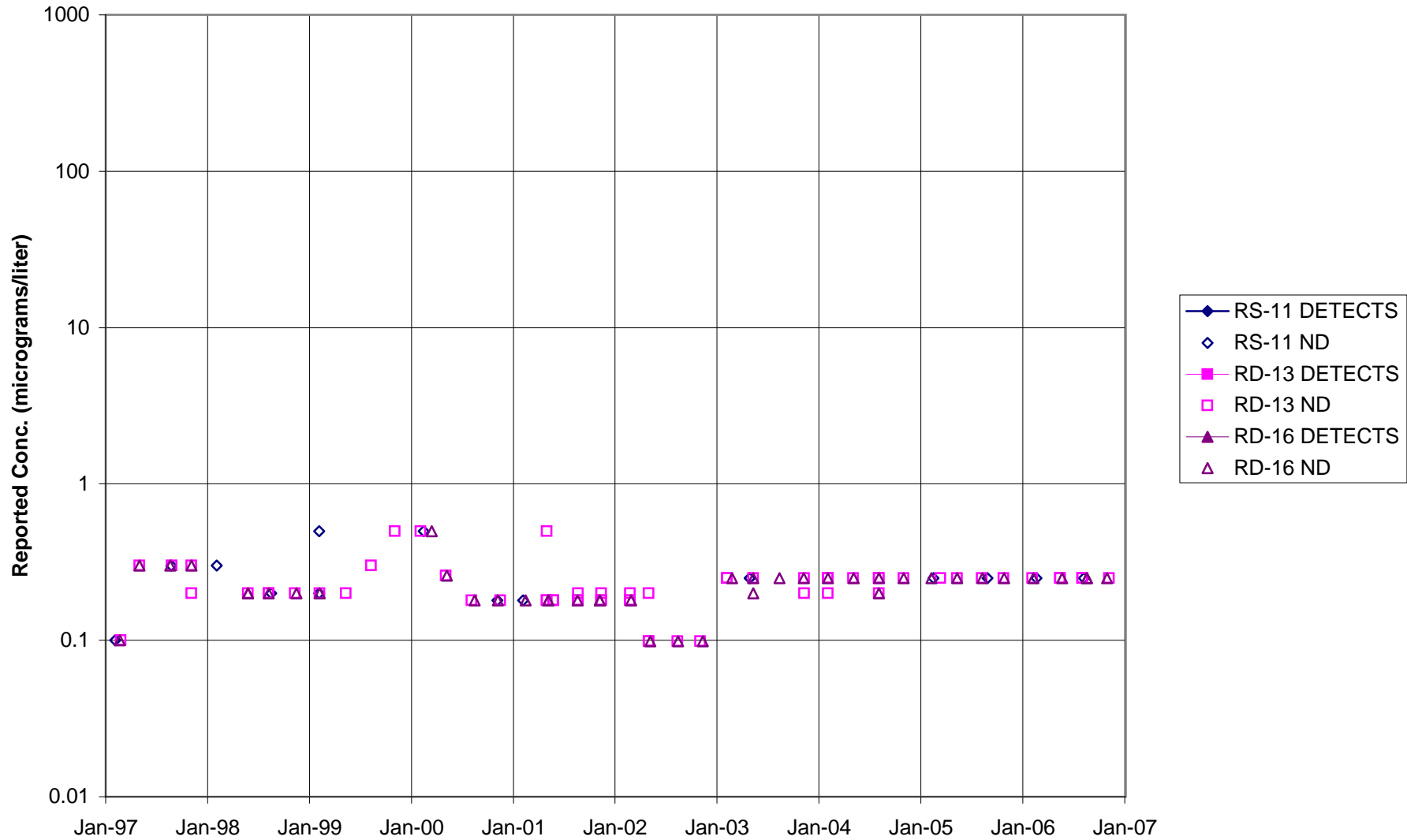


FIGURE F-188. FLUORIDE in STL-IV AREA CHATSWORTH FORMATION WELLS

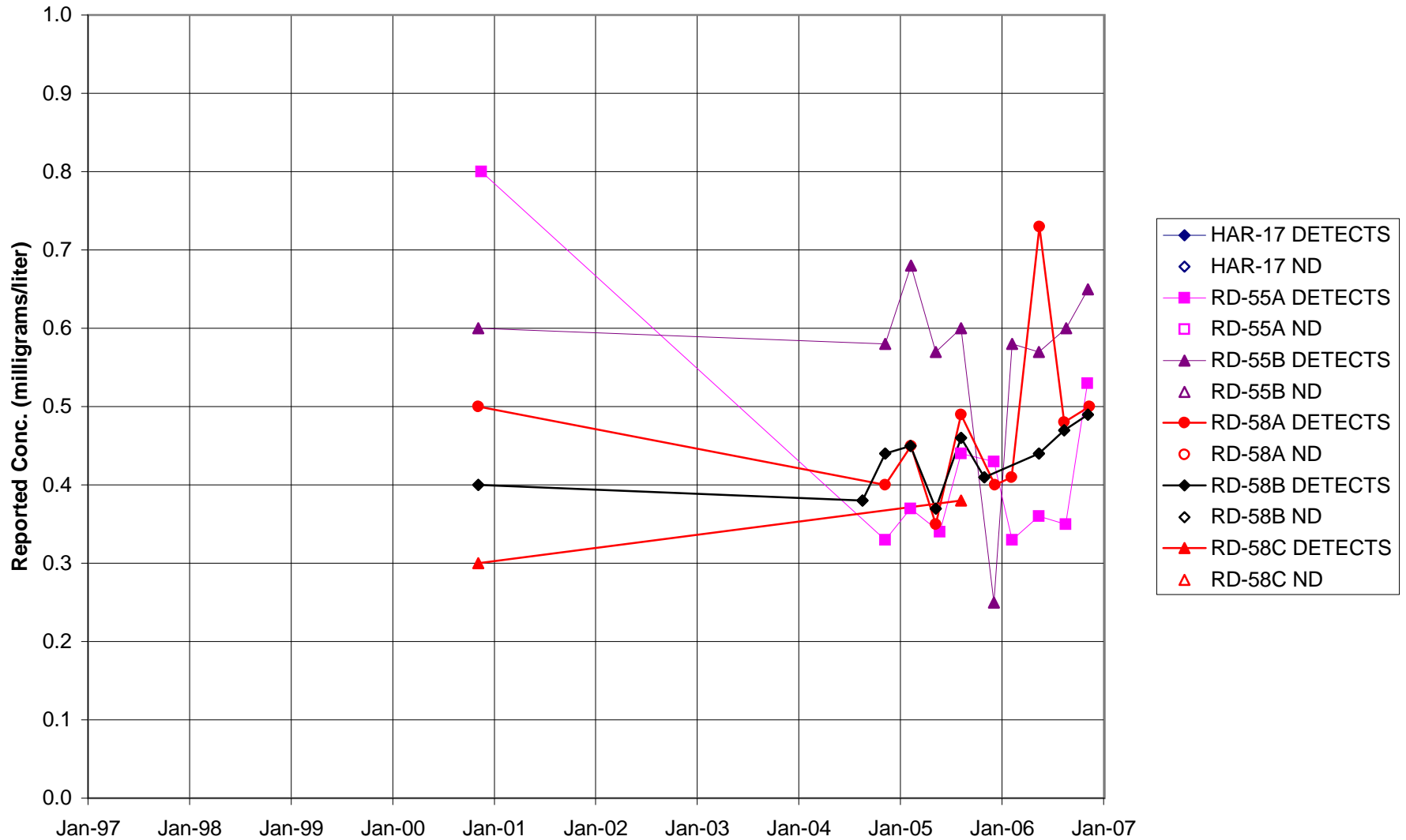


FIGURE F-189. FLUORIDE in MAIN GATE AREA WELLS - 1

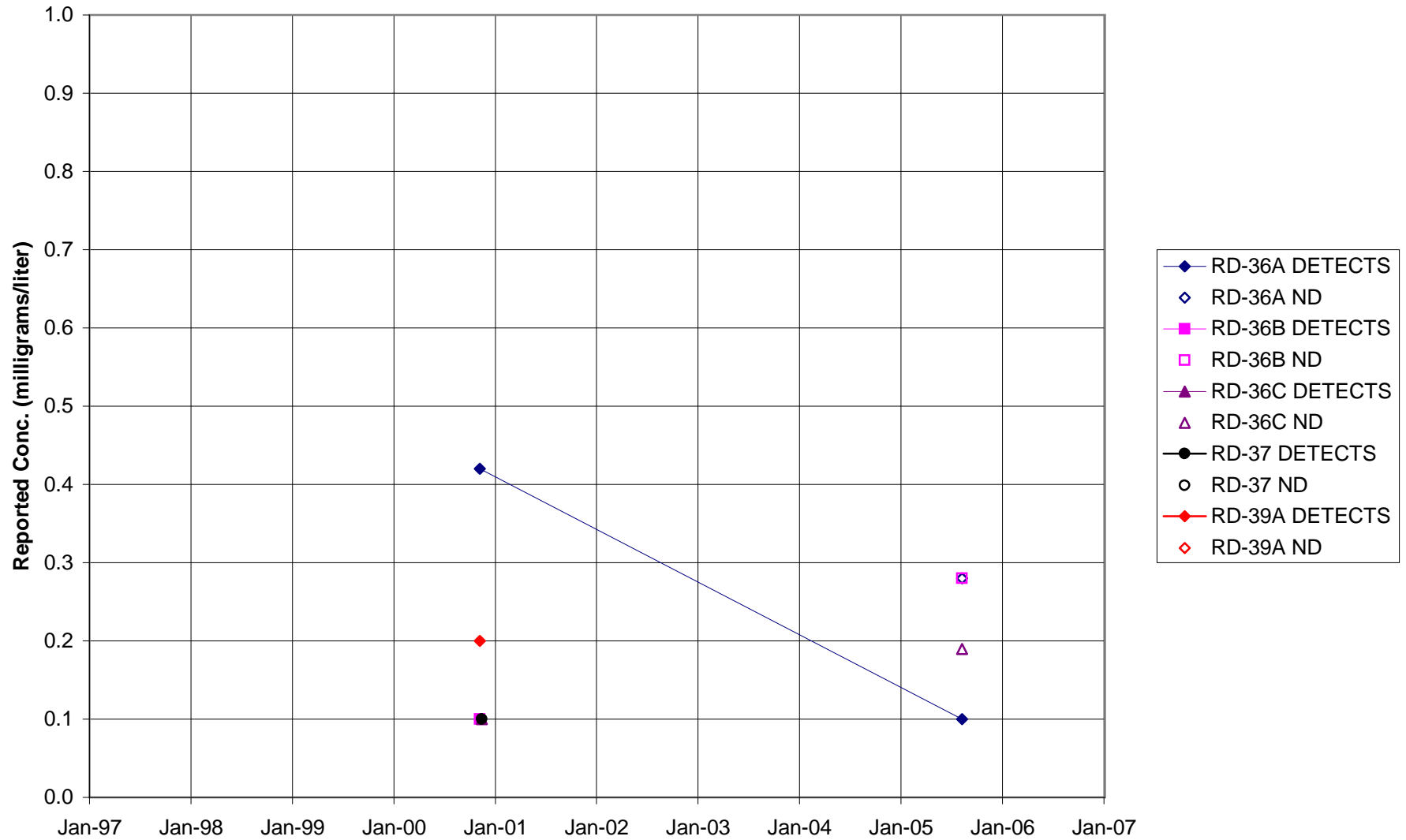


FIGURE F-190. FLUORIDE in MAIN GATE AREA WELLS - 2

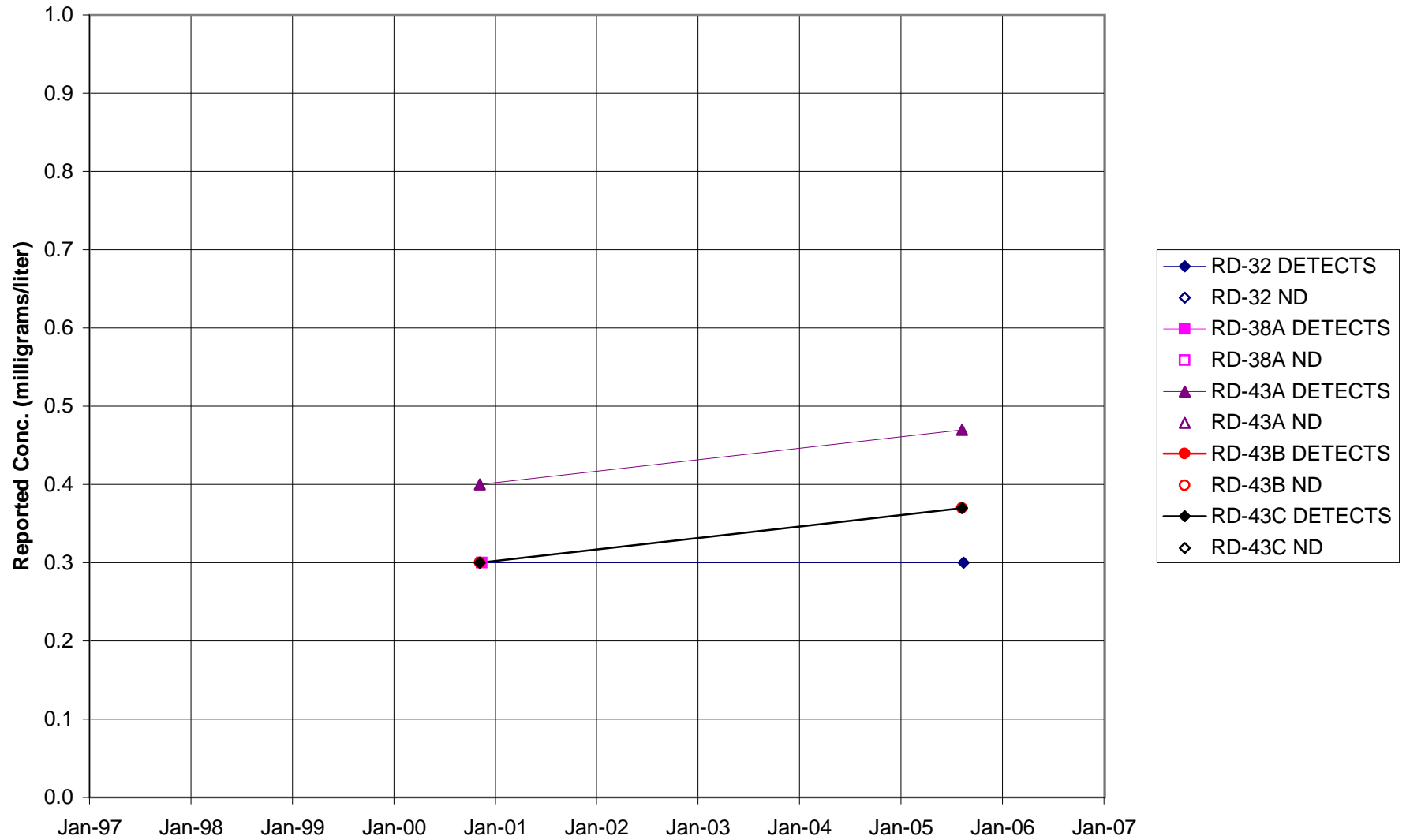


FIGURE F-191. FLUORIDE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

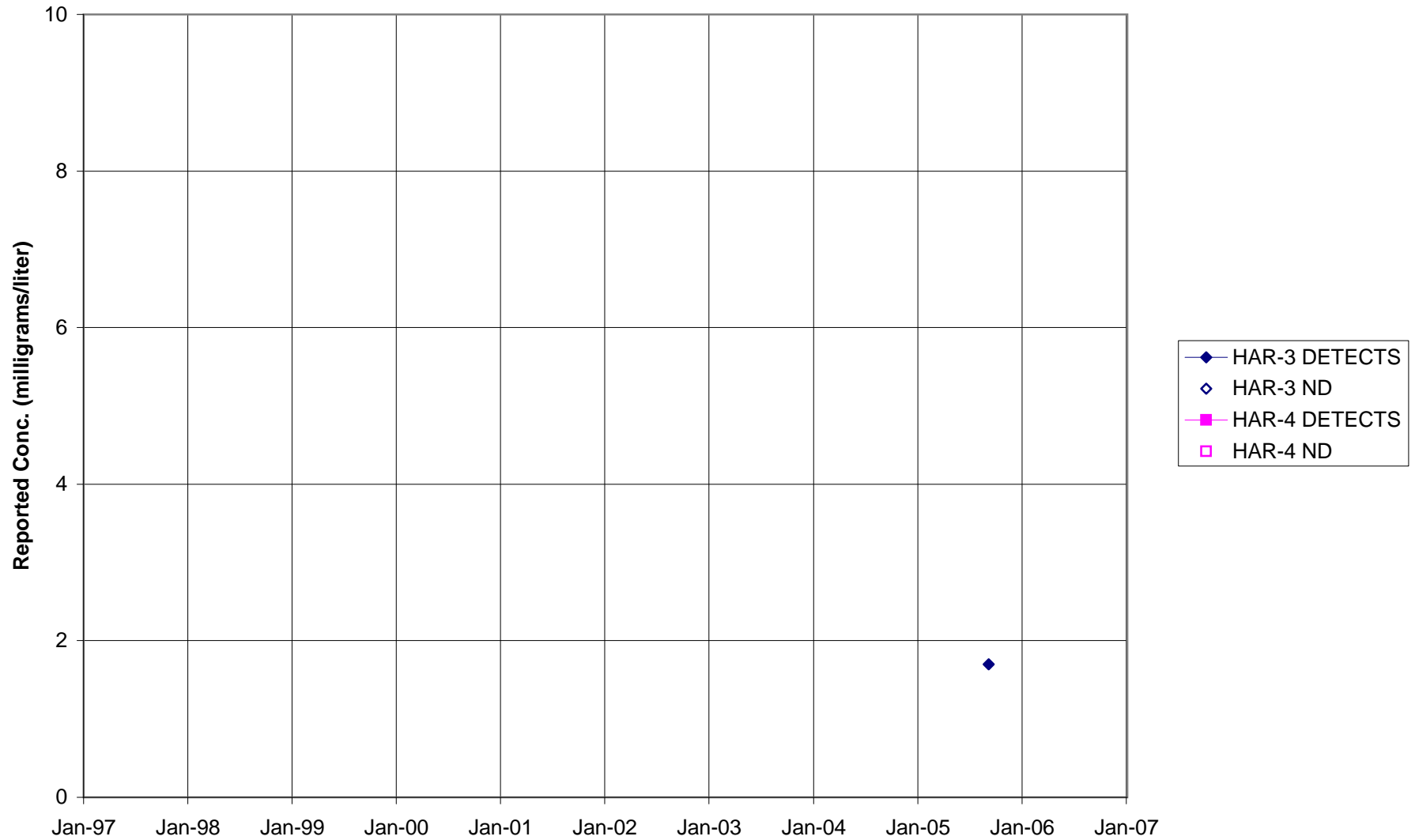


FIGURE F-192. FLUORIDE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

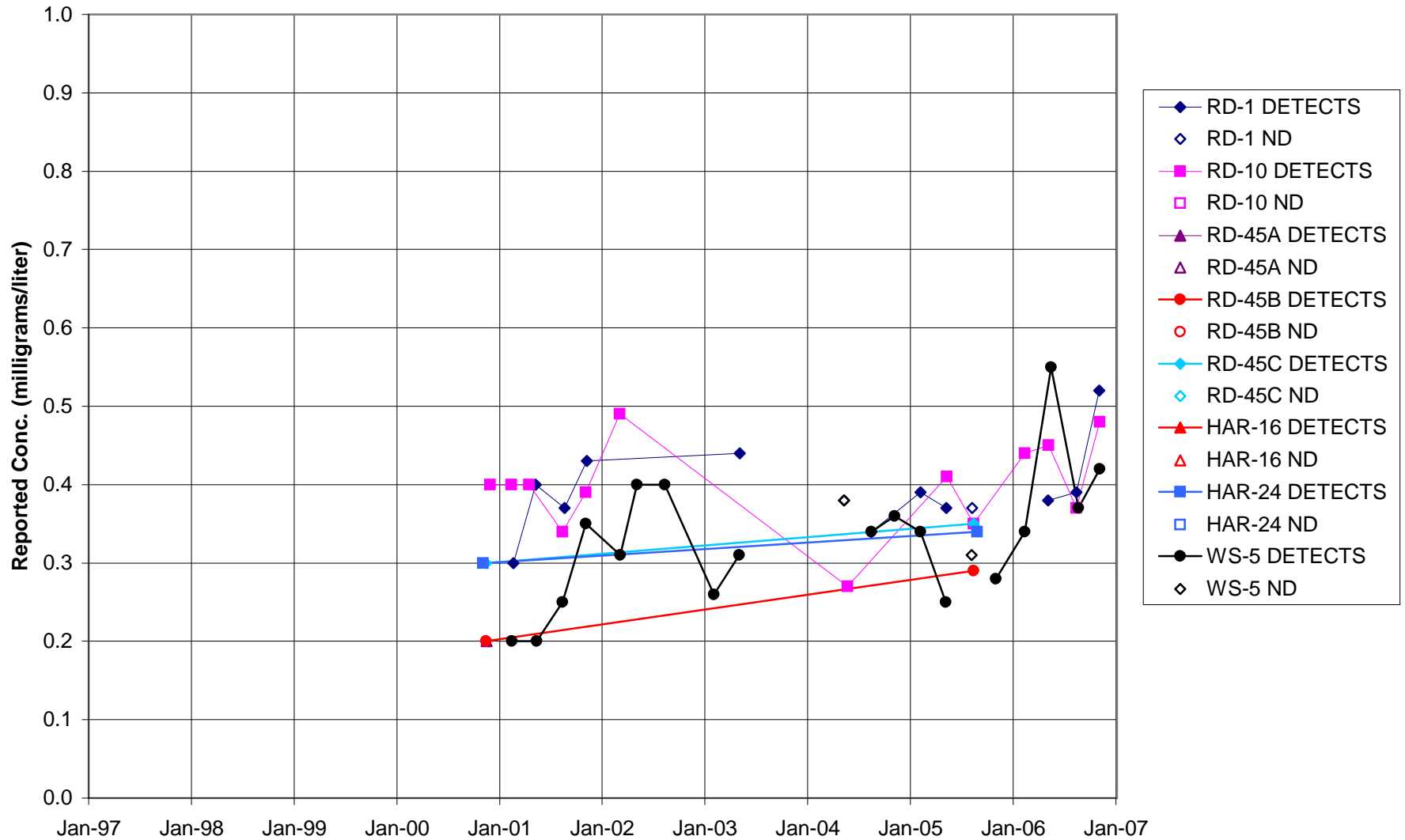


FIGURE F-193. FLUORIDE in CTL-III / PERIMETER POND AREA WELLS

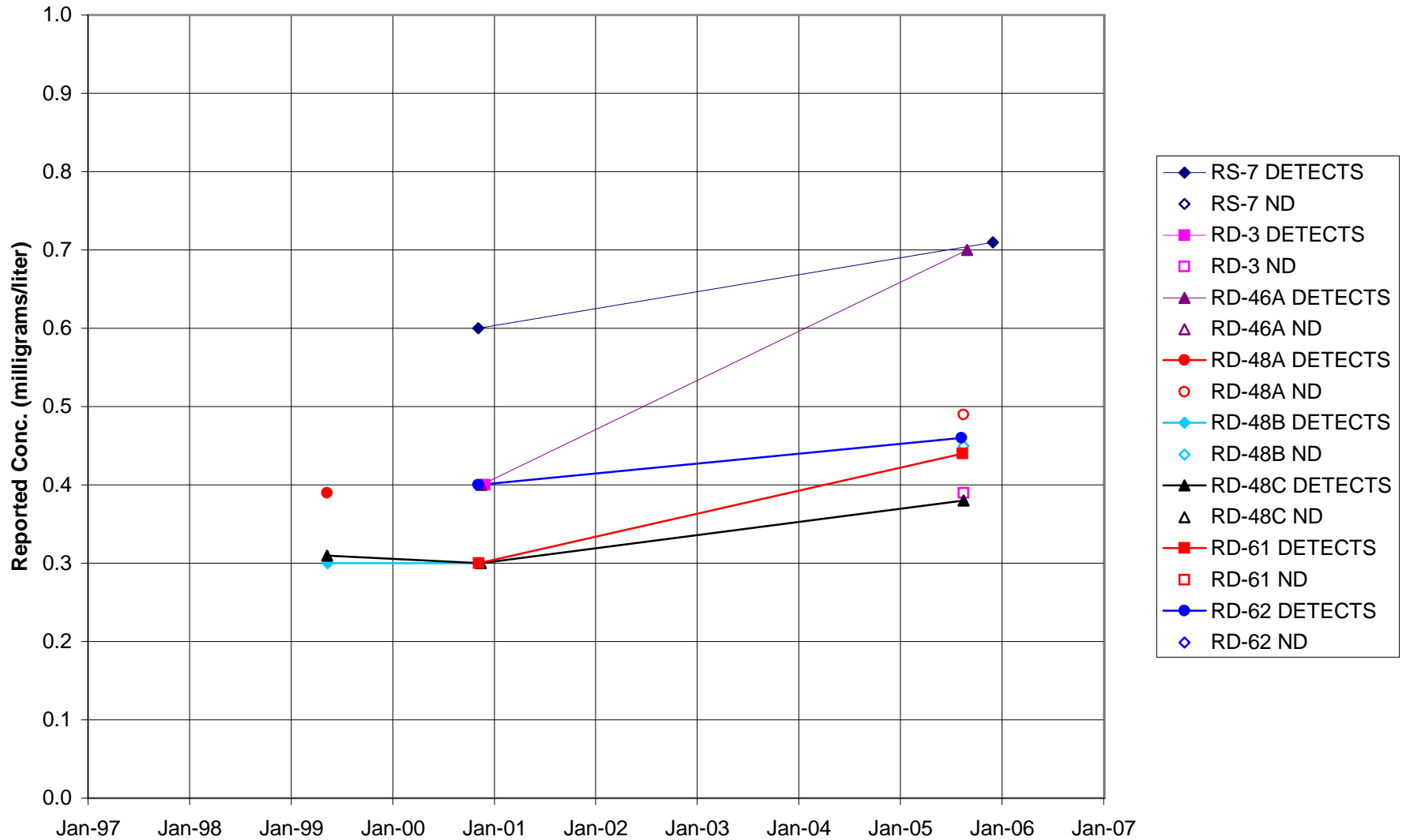


FIGURE F-194. FLUORIDE in BOWL AREA WELLS

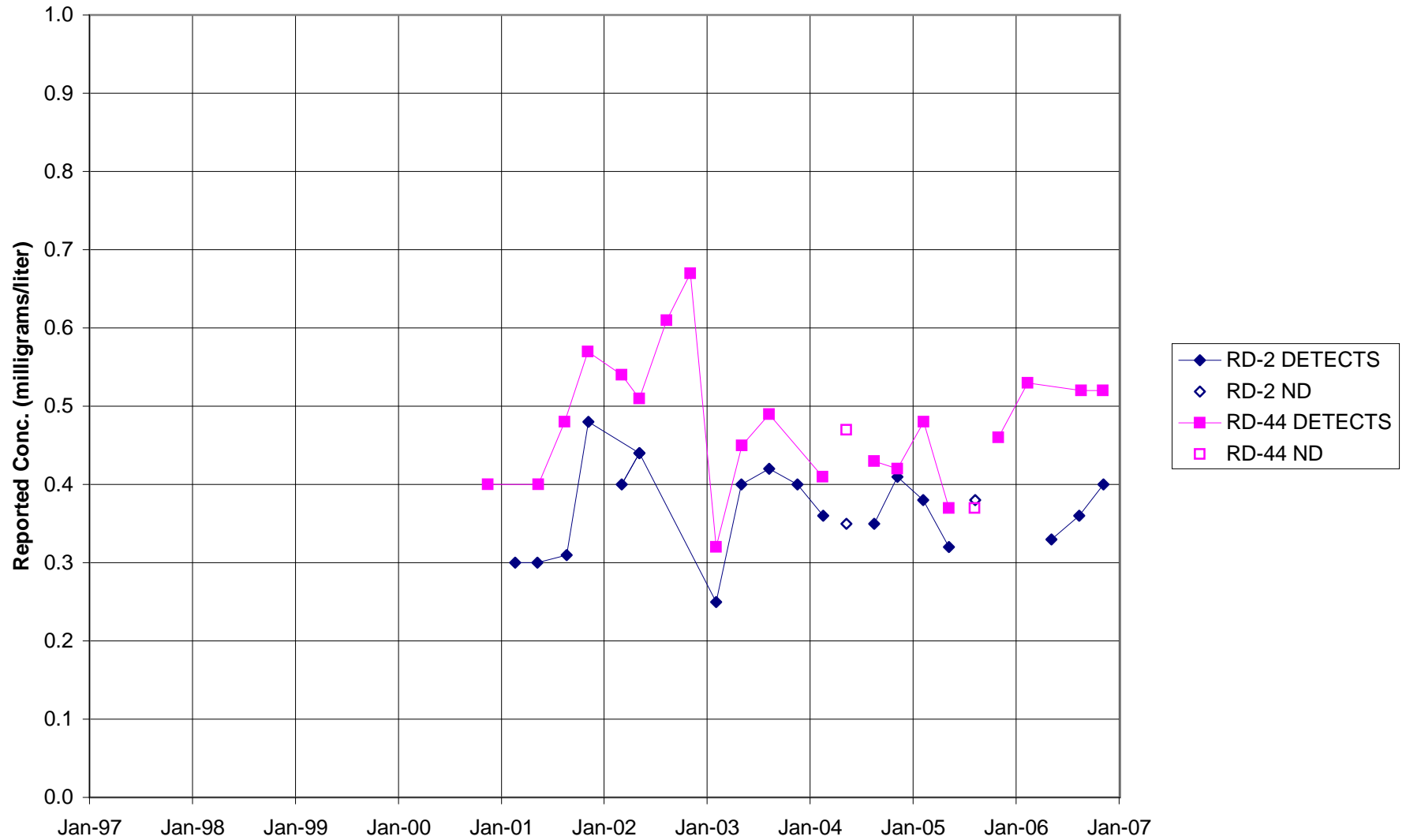


FIGURE F-195. FLUORIDE in ECL AREA WELLS

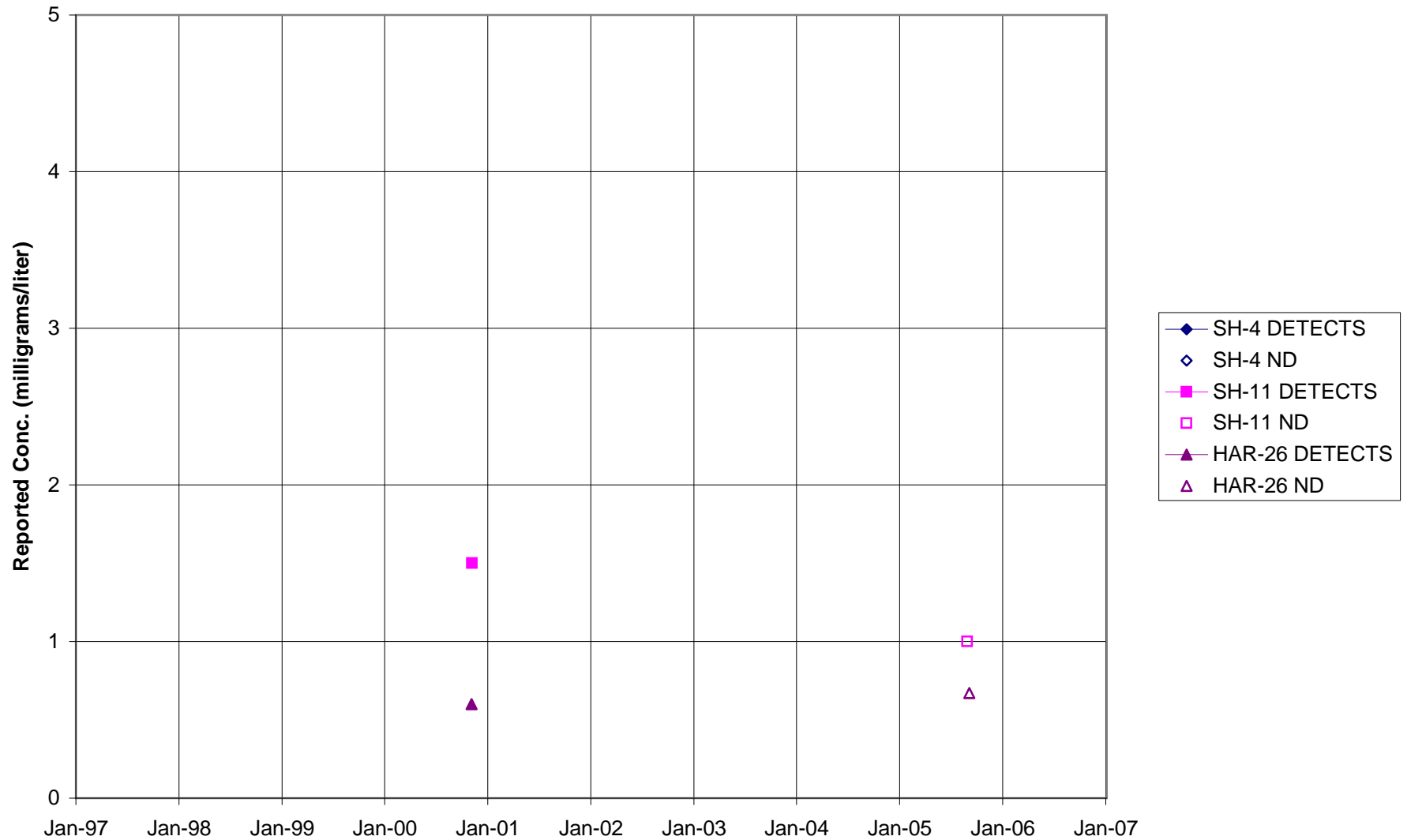


FIGURE F-196. FLUORIDE in FORMER LOX PLANT AREA WELLS

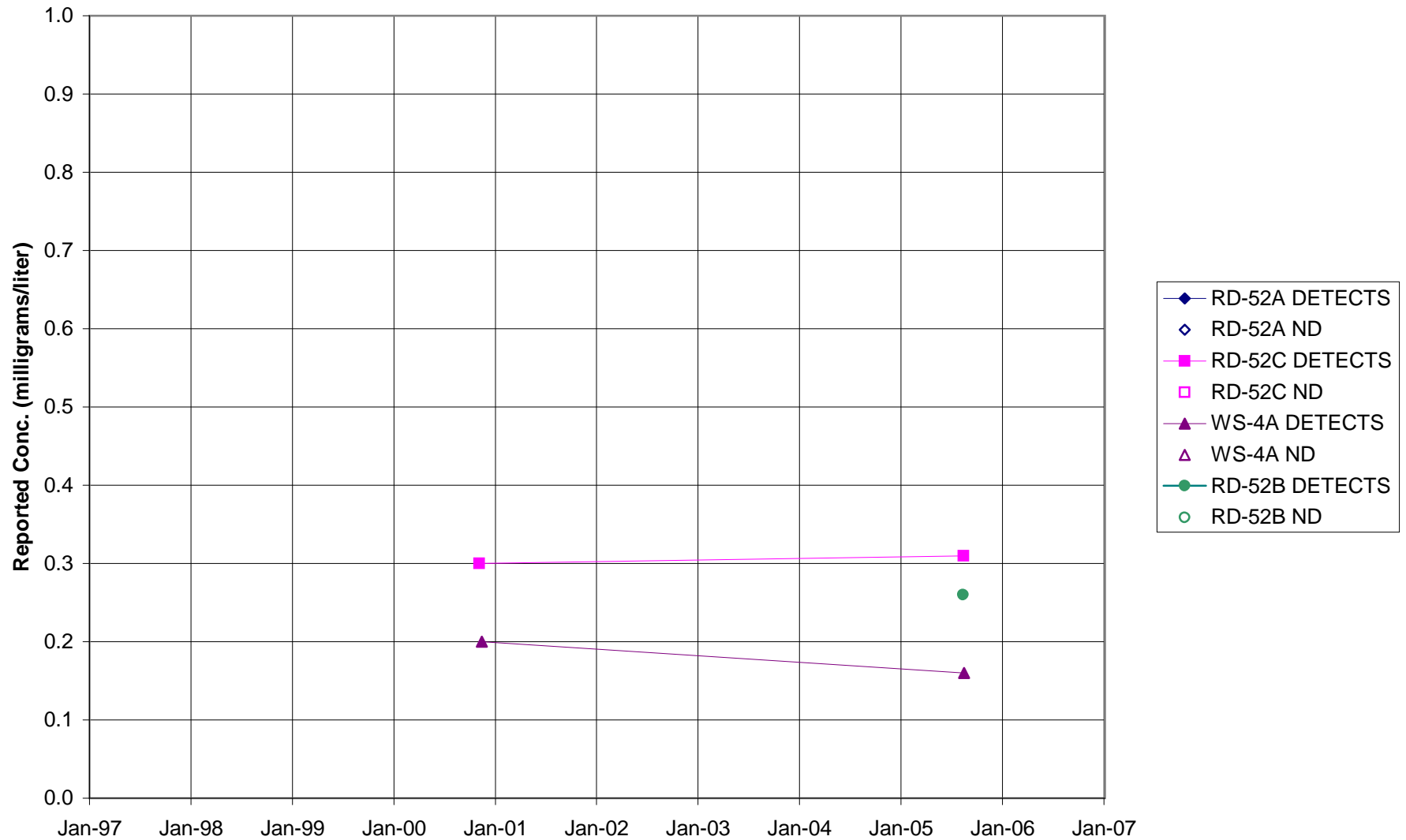


FIGURE F-197. FLUORIDE in RD-09 AREA WELLS

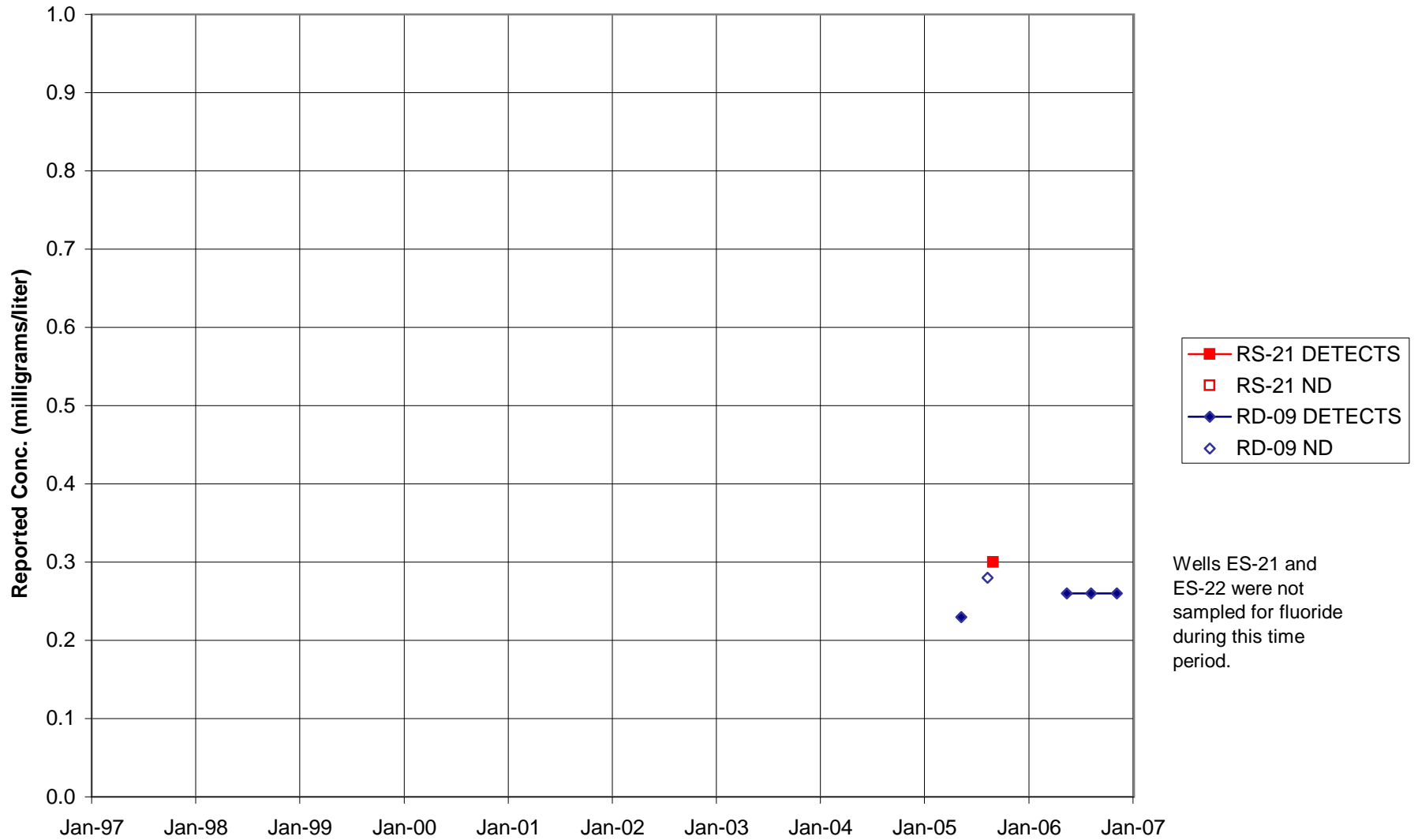


FIGURE F-198. FLUORIDE in HELIPORT, B/204 AREA WELLS

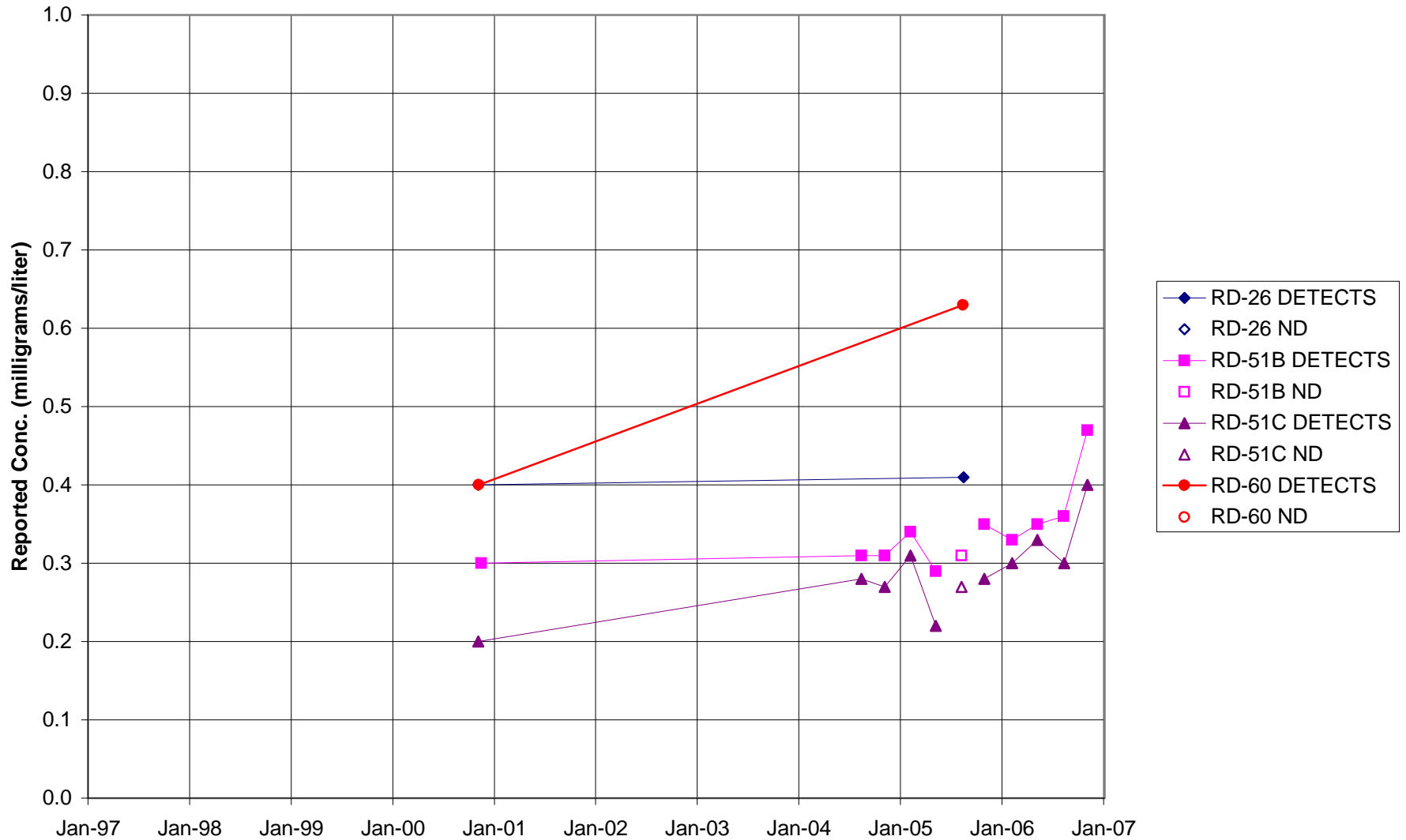


FIGURE F-199. FLUORIDE in ALFA / BRAVO AREA WELLS

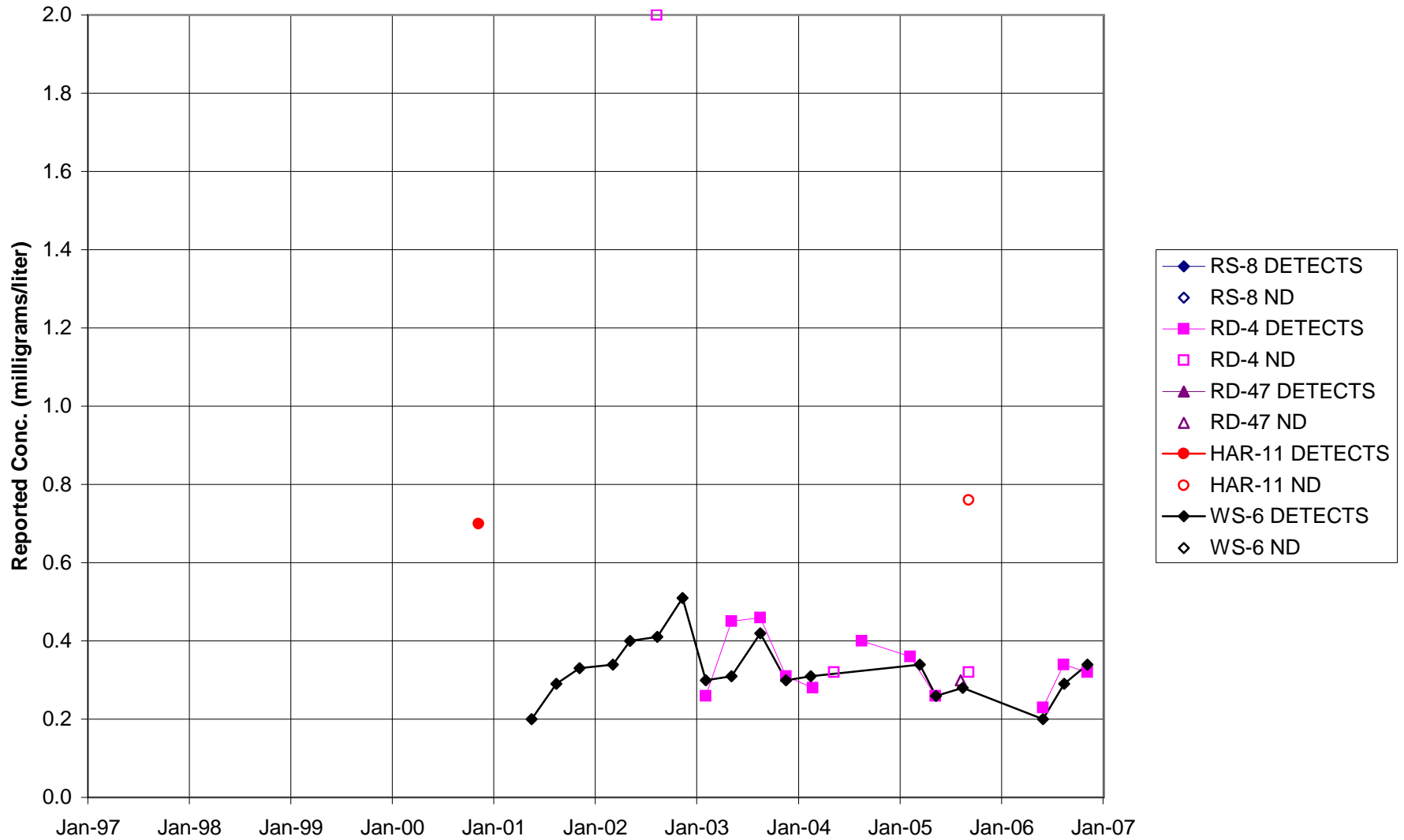


FIGURE F-200. FLUORIDE in SPA AREA WELLS

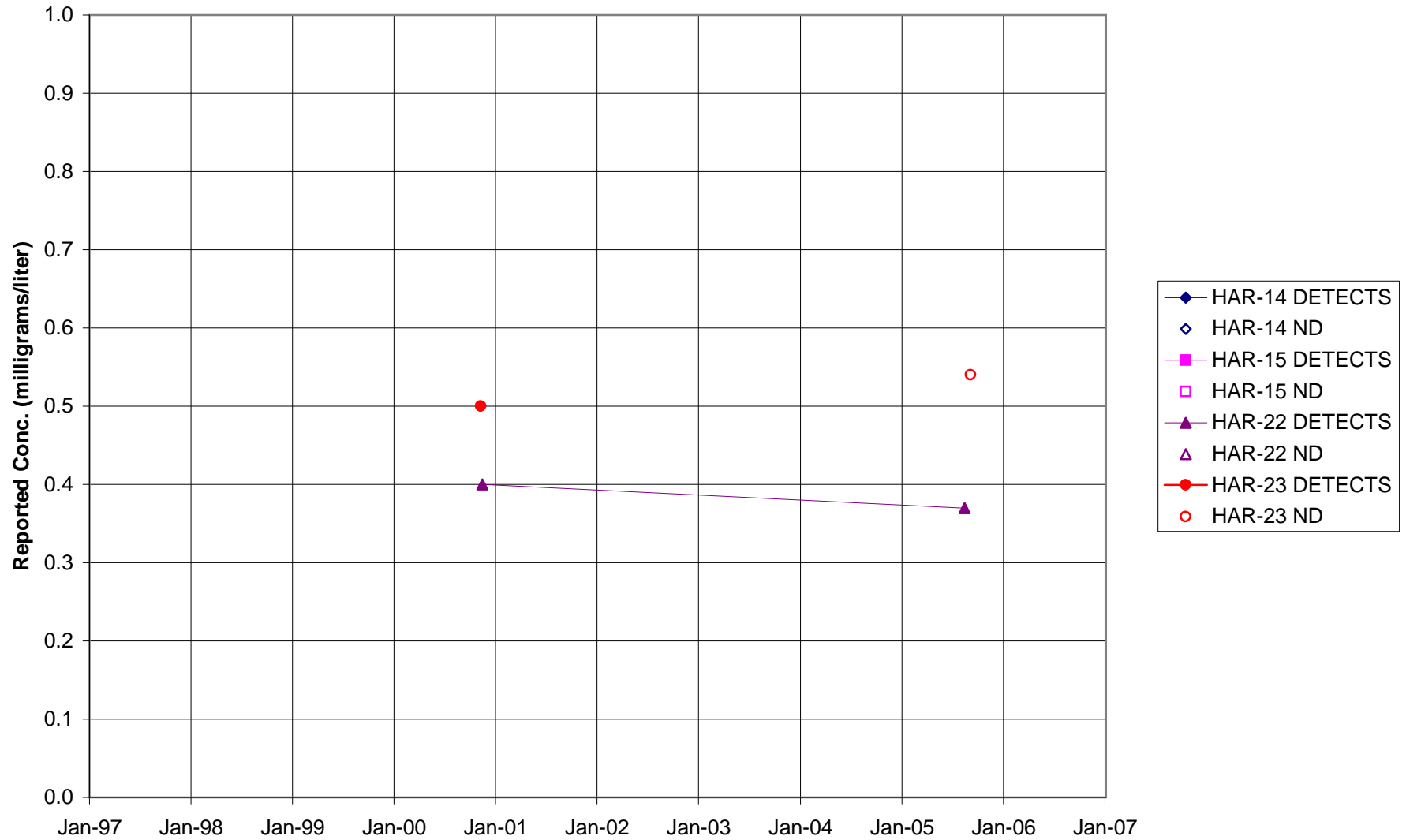


FIGURE F-201. FLUORIDE in COCA / PLF AREA WELLS

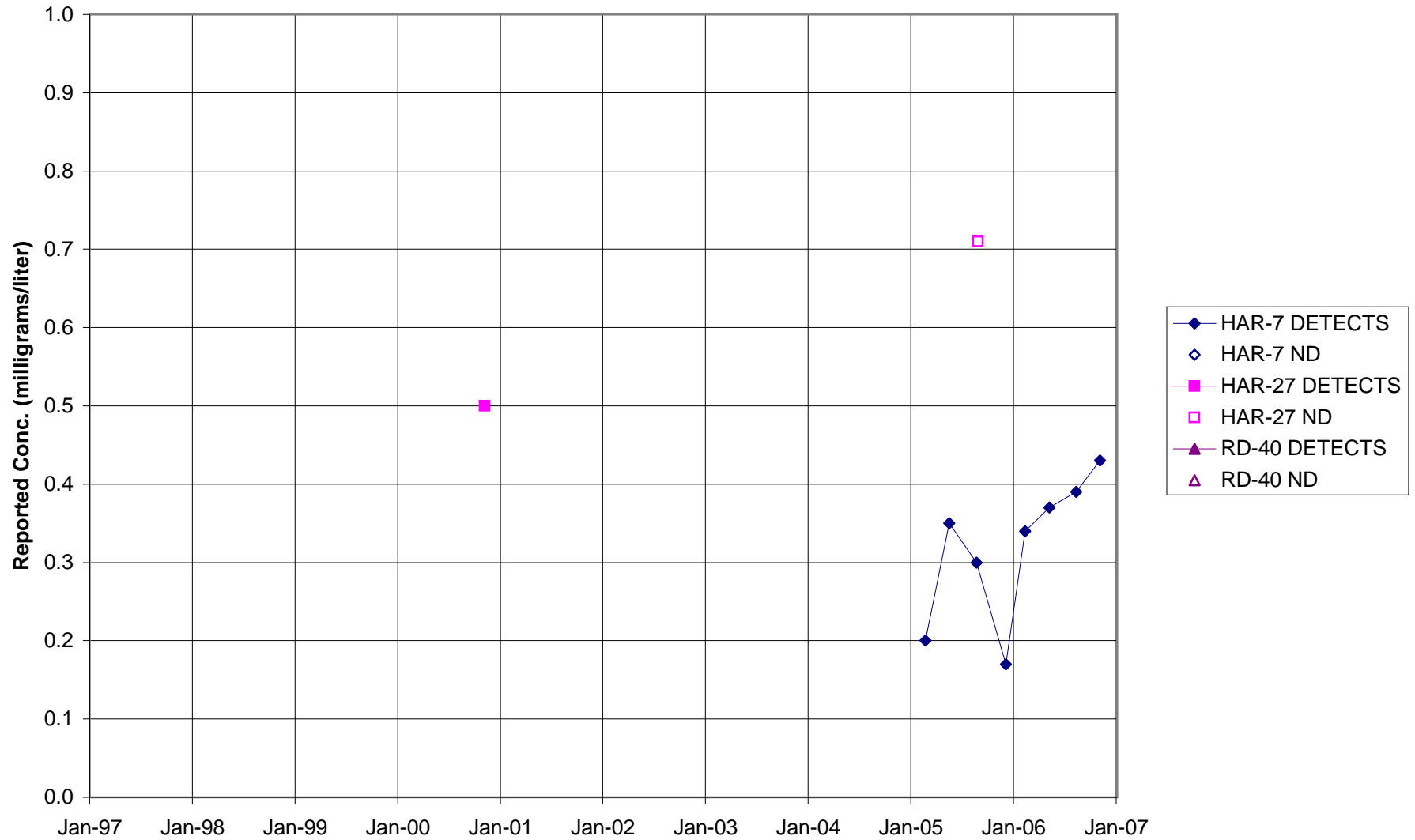


FIGURE F-202. FLUORIDE in DELTA / BUFFER ZONE AREA WELLS



FIGURE F-203. FLUORIDE in AREA IV WELLS



FIGURE F-204. METHYLENE CHLORIDE in STL-IV AREA SHALLOW WELLS

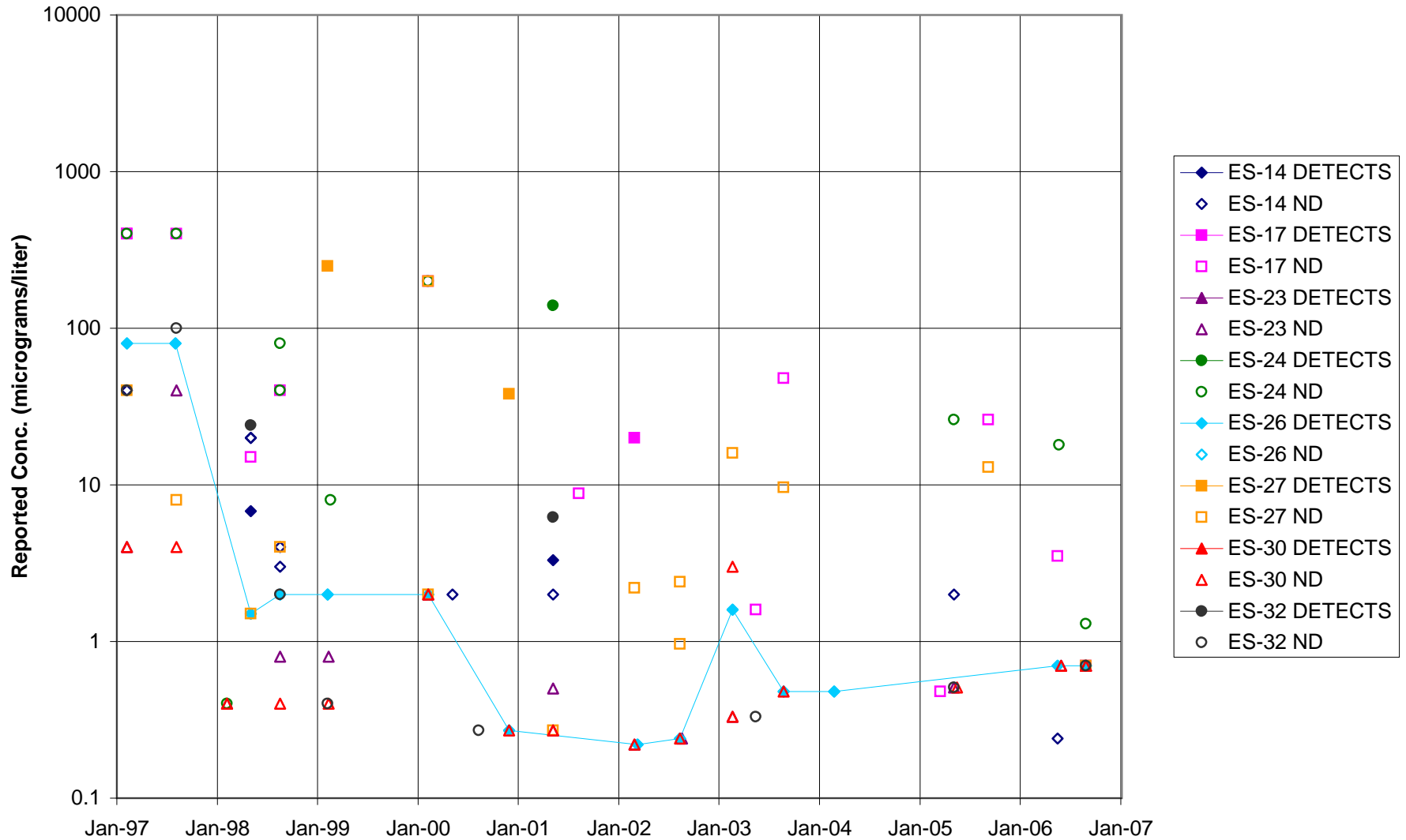


FIGURE F-205. METHYLENE CHLORIDE in STL-IV AREA CHATSWORTH FORMATION WELLS

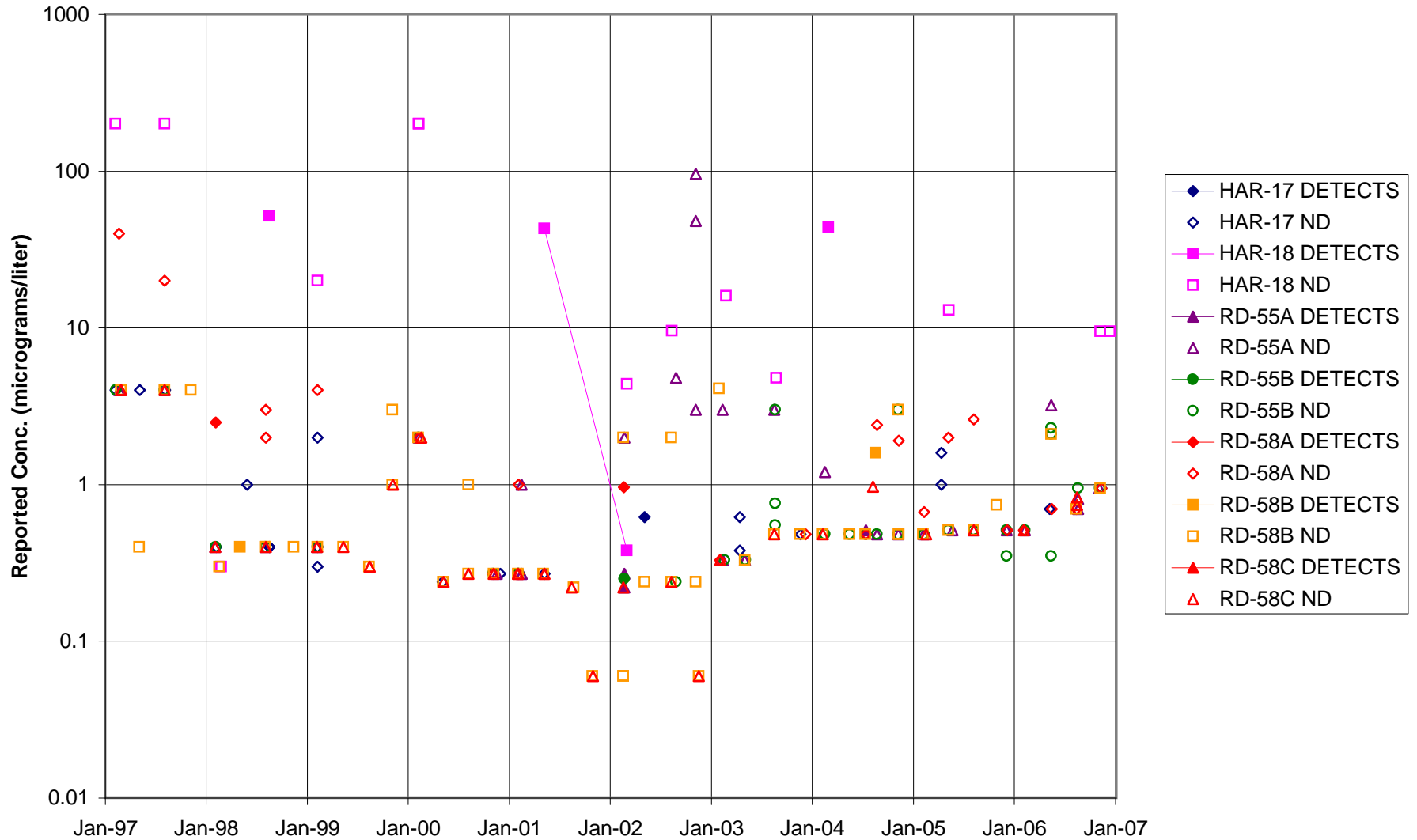


FIGURE F-206. METHYLENE CHLORIDE in MAIN GATE AREA WELLS - 1

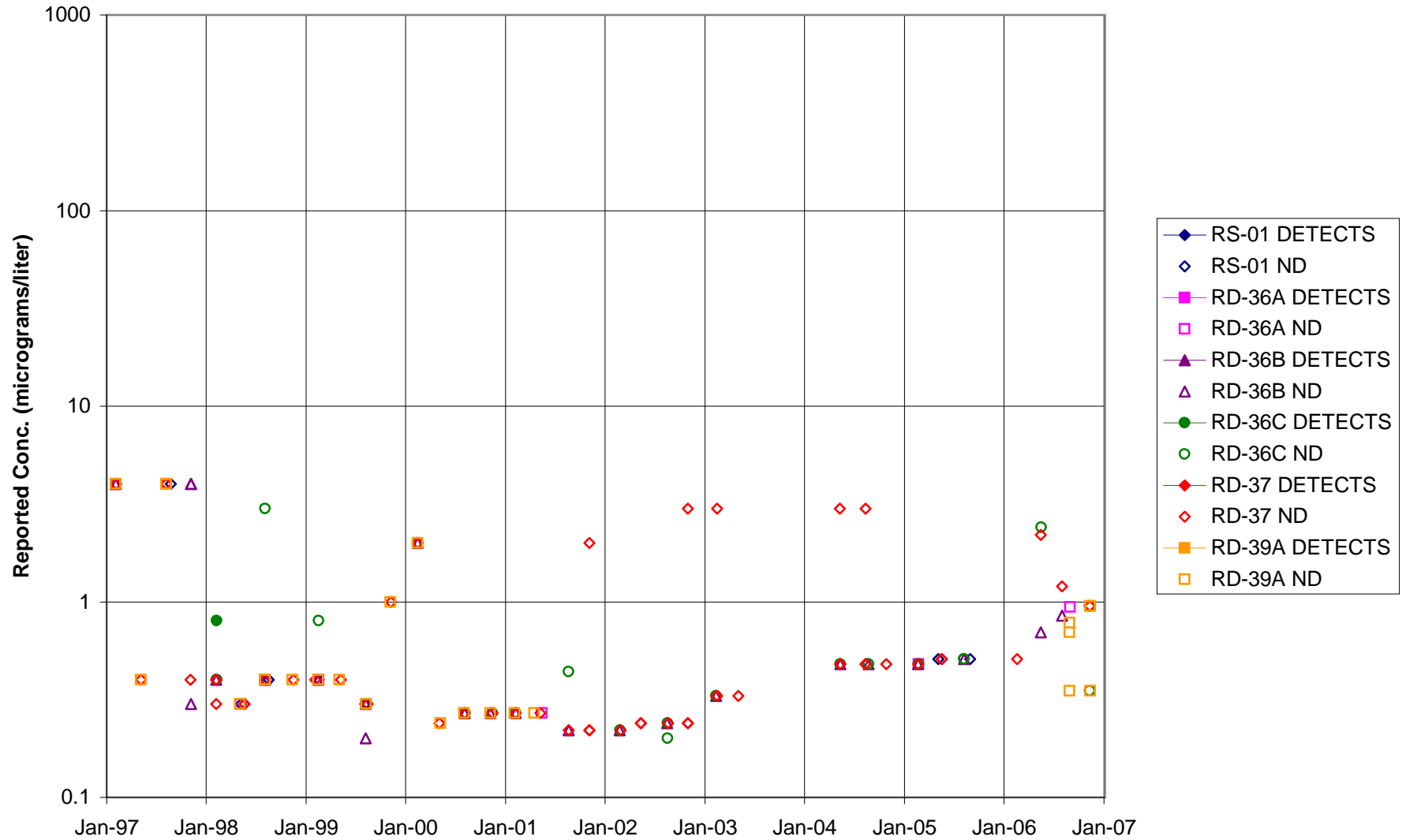
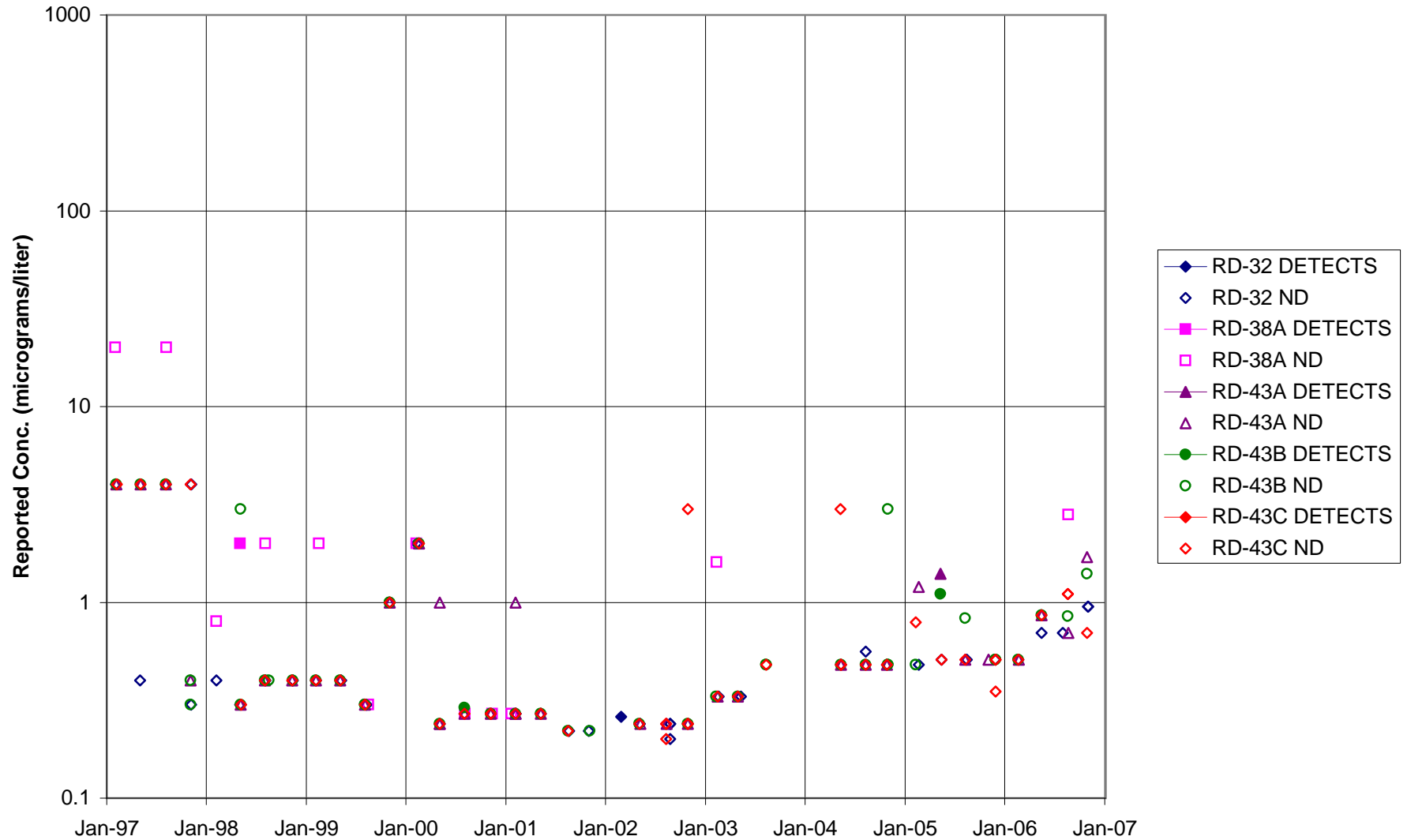
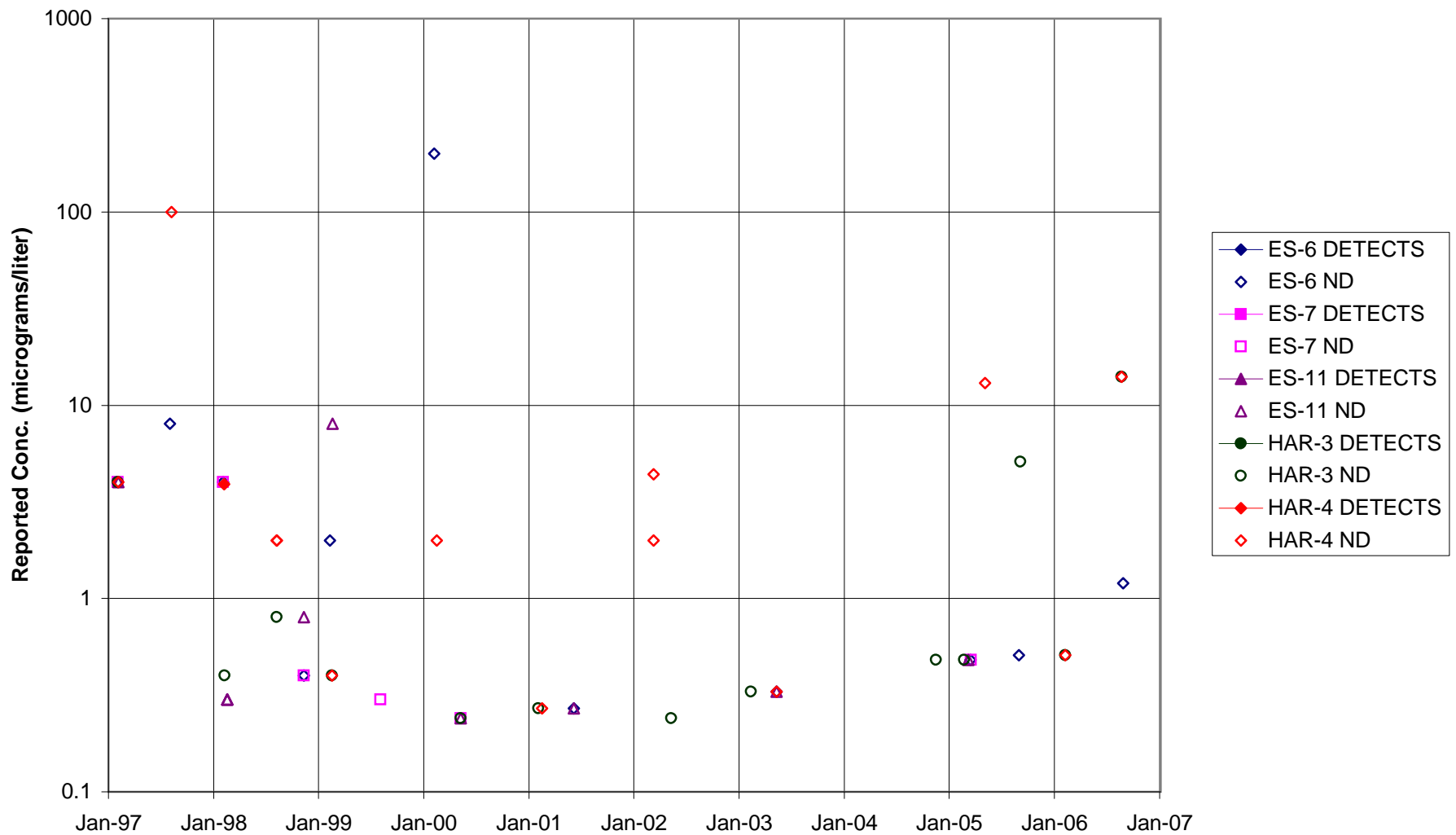


FIGURE F-207. METHYLENE CHLORIDE in MAIN GATE AREA WELLS - 2



**FIGURE F-208. METHYLENE CHLORIDE in APTF, CANYON, & HAPPY VALLEY AREA
WELLS - 1**



**FIGURE F-209. METHYLENE CHLORIDE in APTF, CANYON, & HAPPY VALLEY AREA
WELLS - 2**

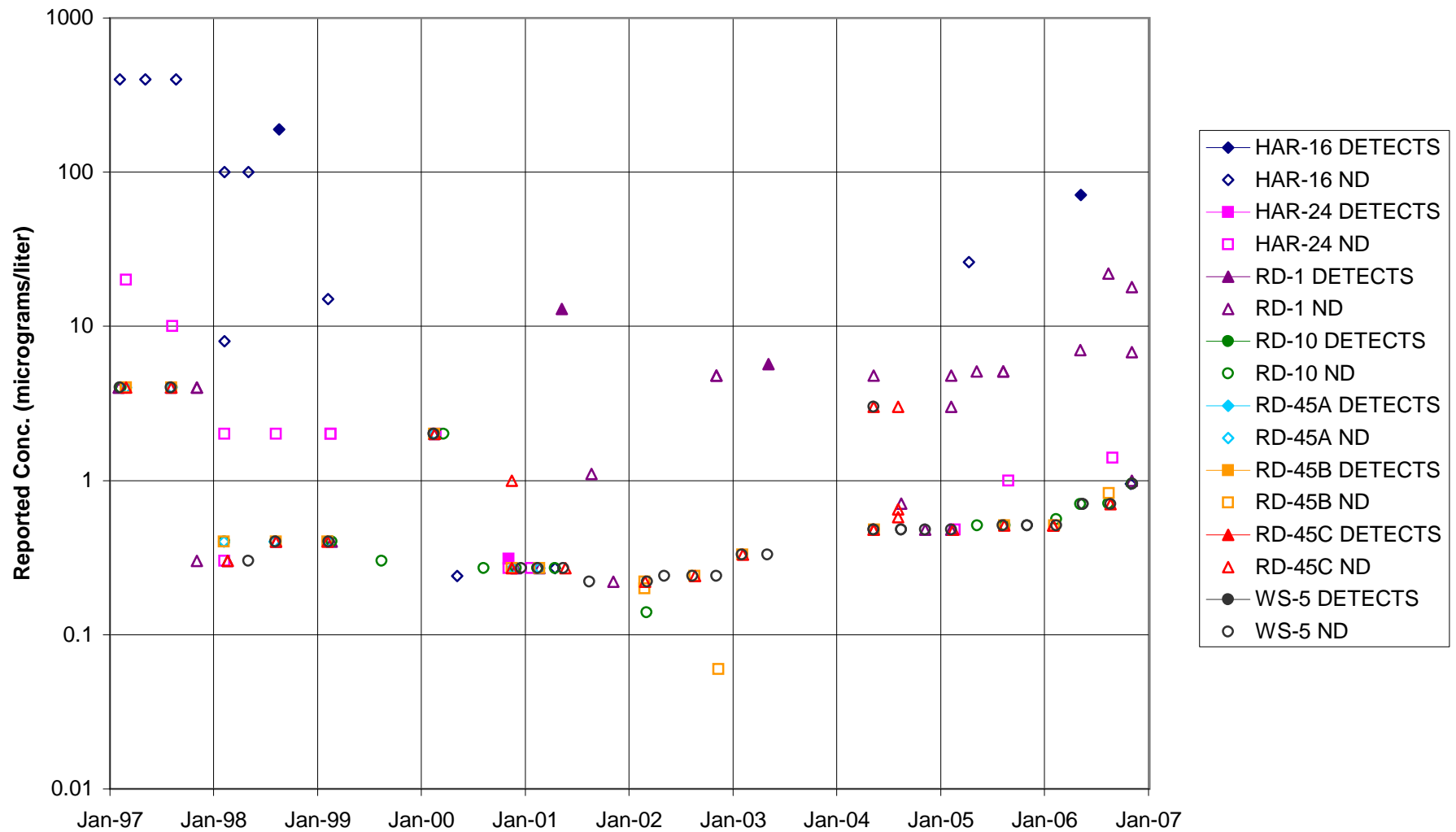


FIGURE F-210. METHYLENE CHLORIDE in CTL-III / PERIMETER POND AREA WELLS

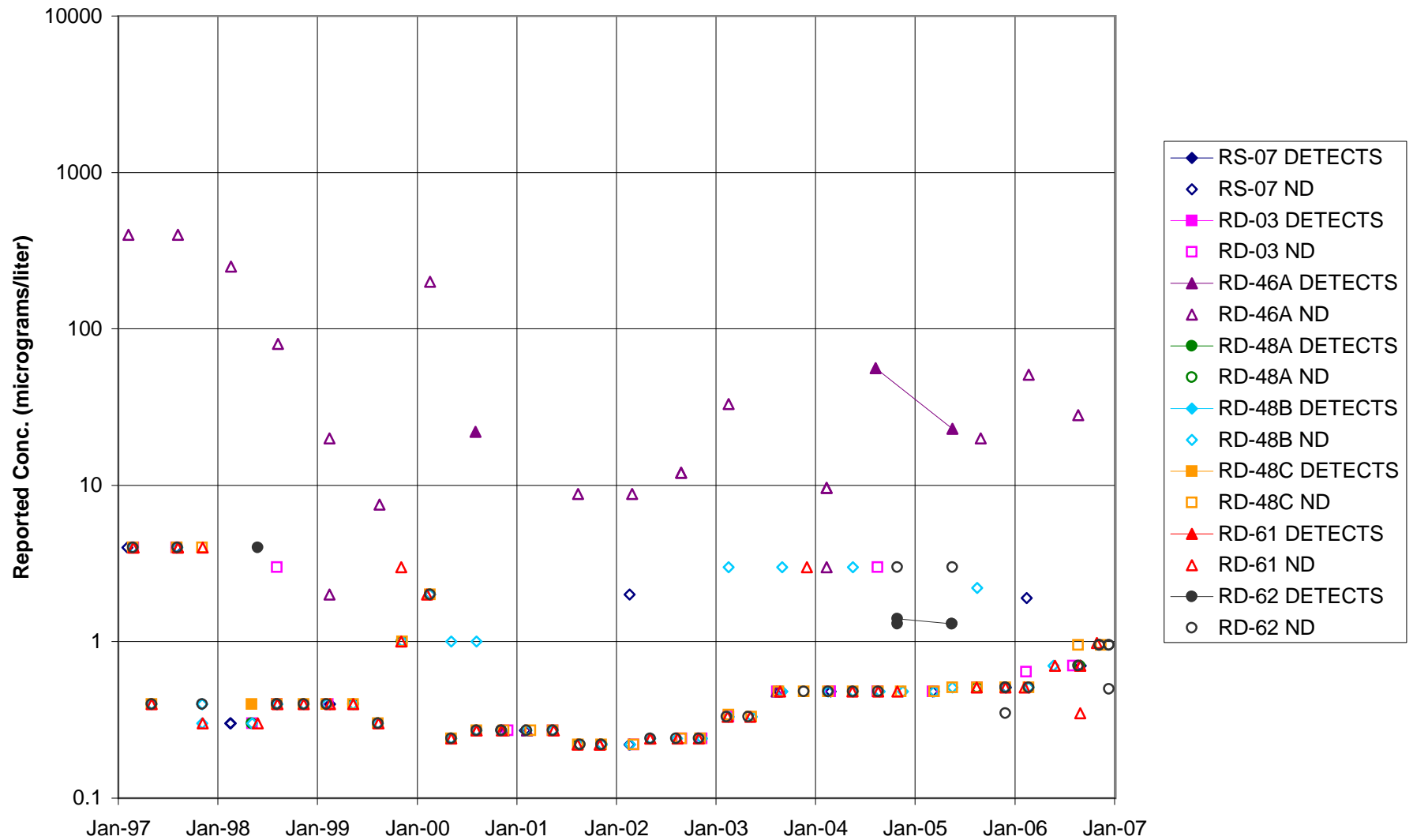


FIGURE F-211. METHYLENE CHLORIDE in BOWL AREA WELLS

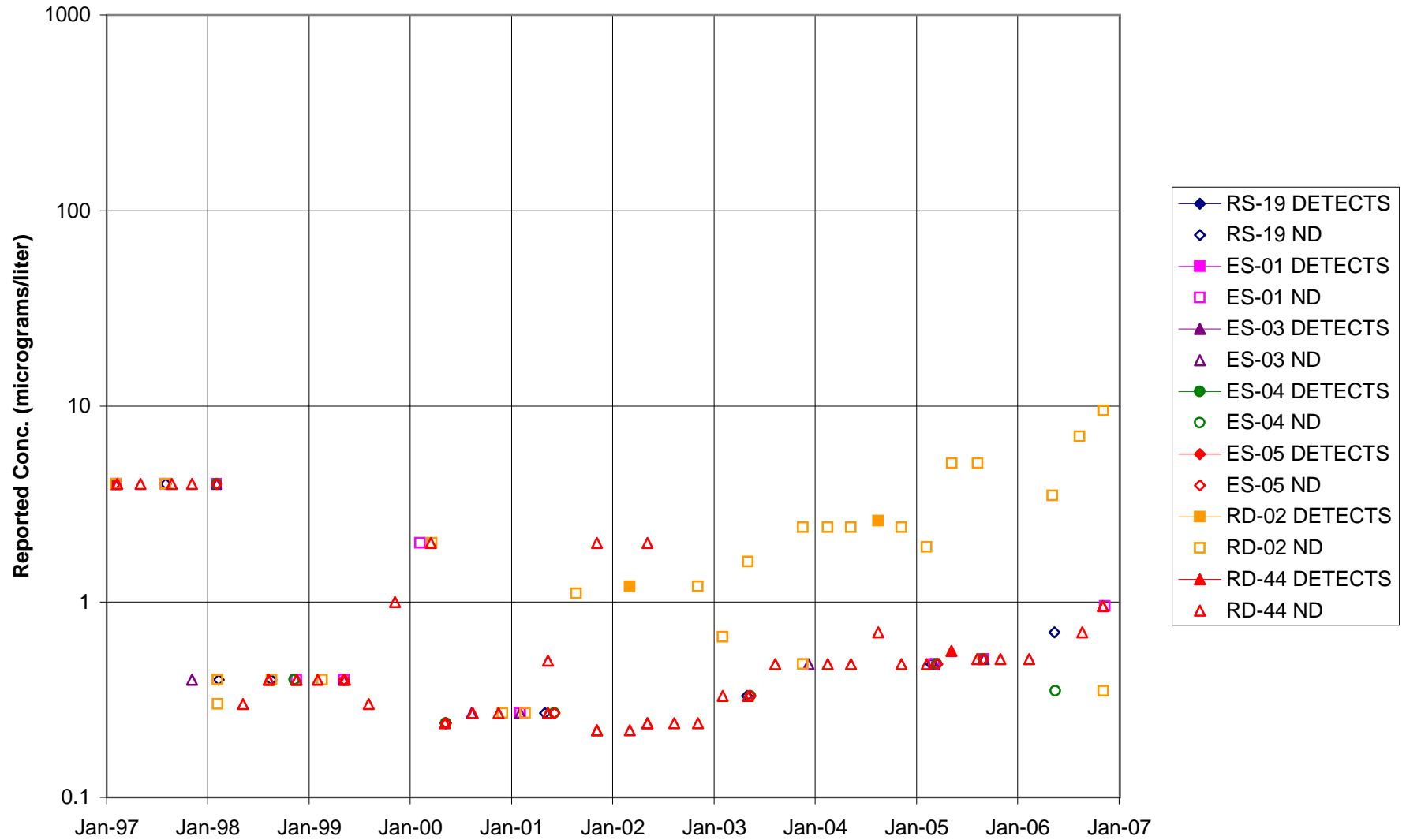


FIGURE F-212. METHYLENE CHLORIDE in ECL AREA WELLS

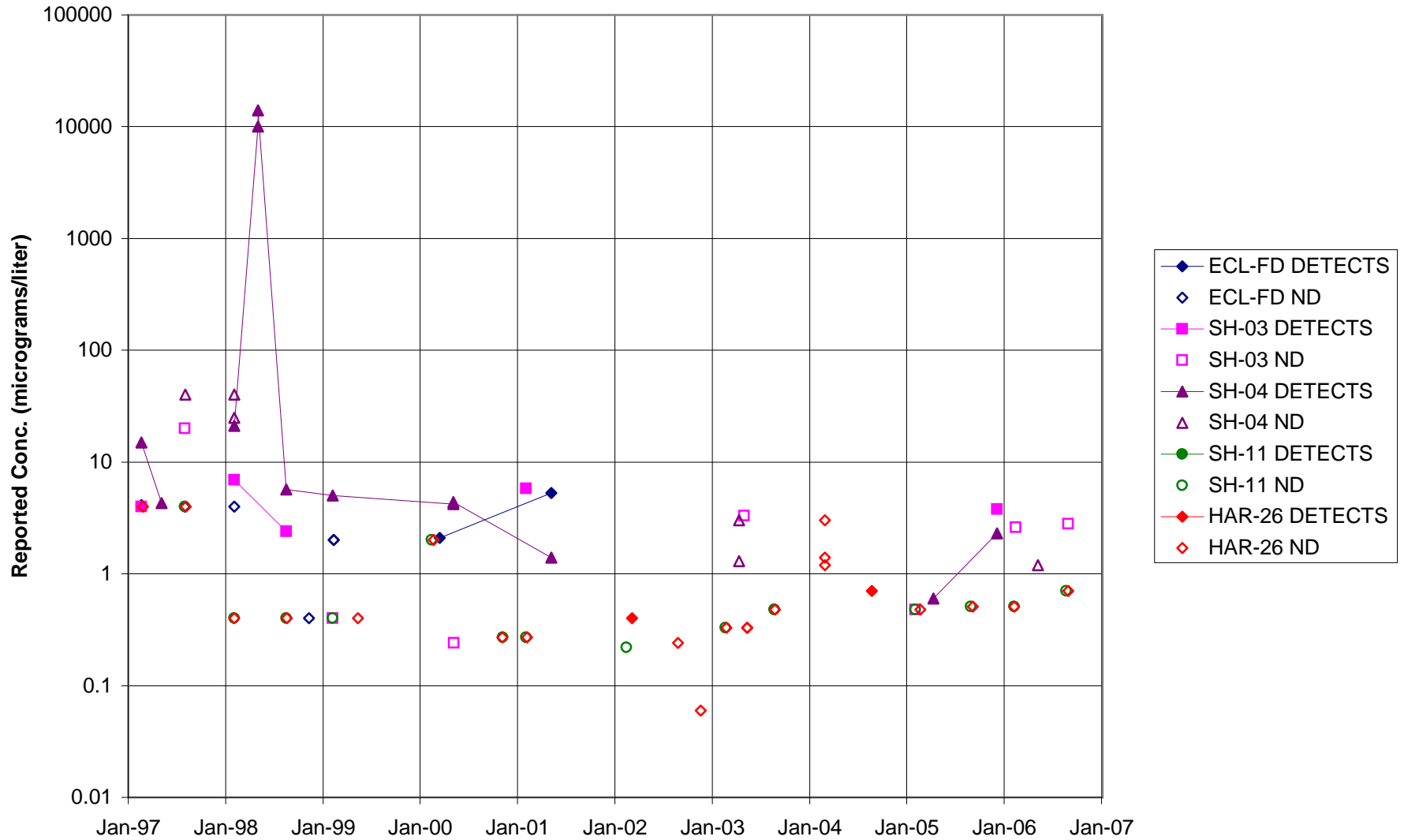


FIGURE F-213. METHYLENE CHLORIDE in FORMER LOX PLANT AREA WELLS



FIGURE F-214. METHYLENE CHLORIDE in RD-09 AREA WELLS

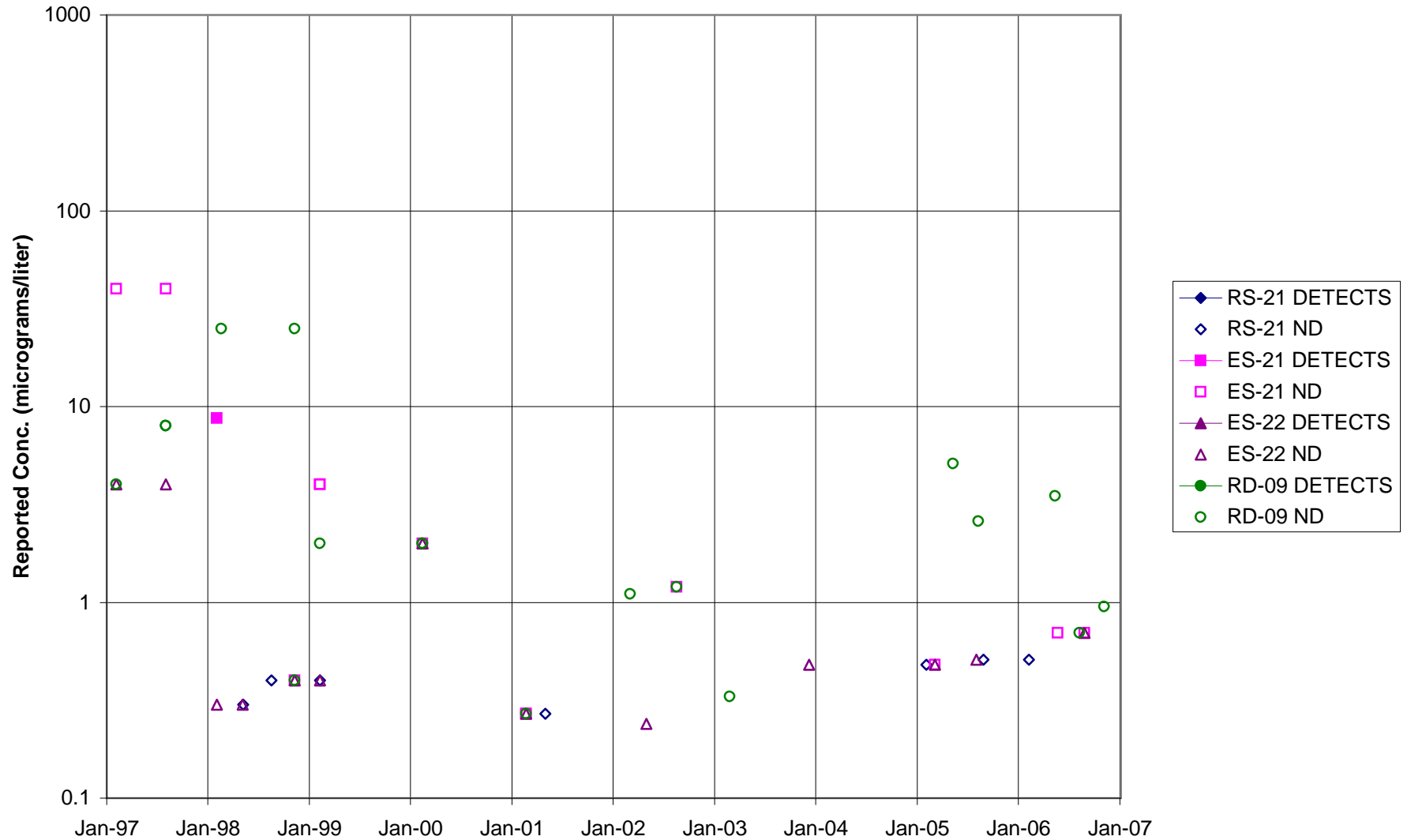


FIGURE F-215. METHYLENE CHLORIDE in HELIPORT, B/204 AREA WELLS

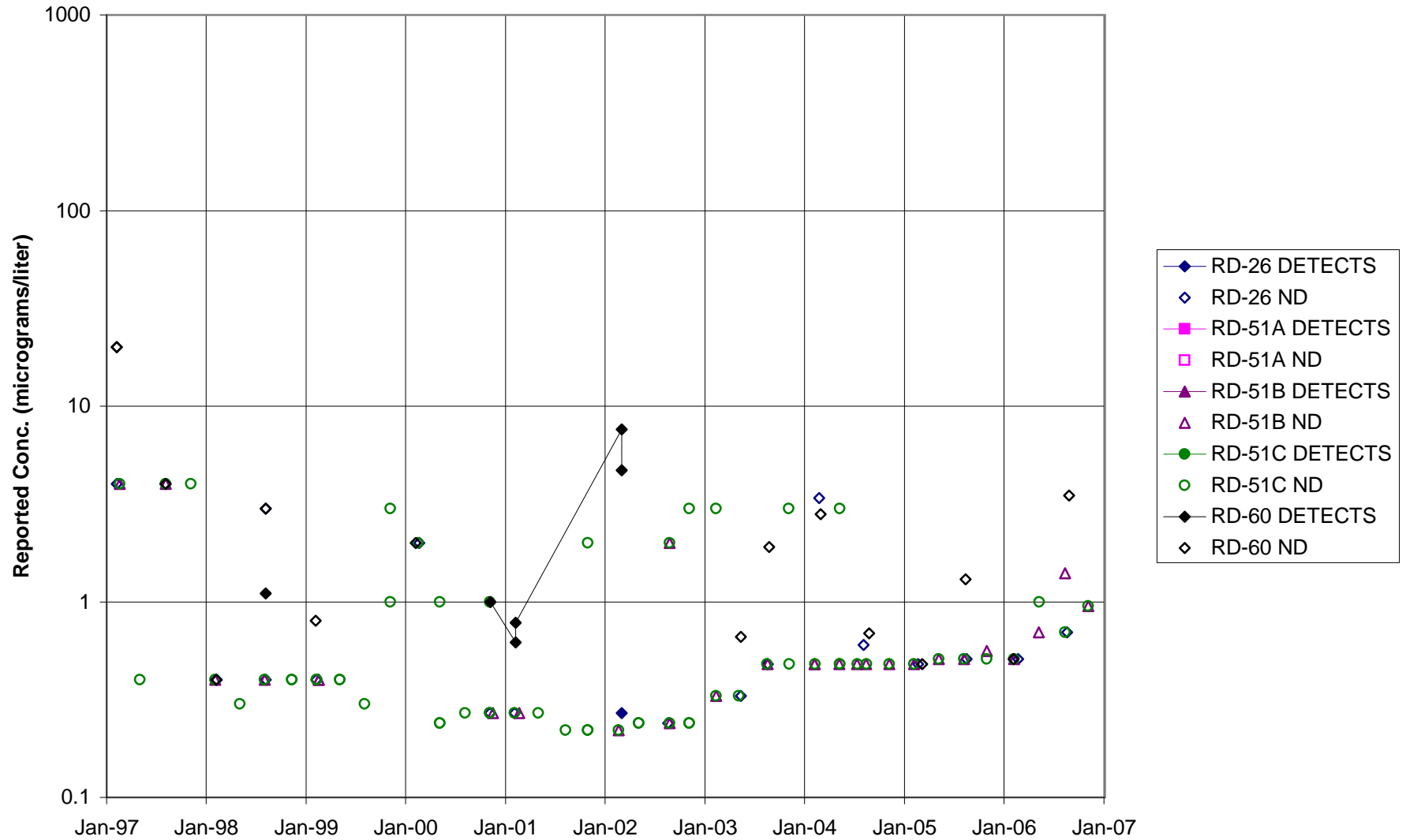


FIGURE F-216. METHYLENE CHLORIDE in ALFA / BRAVO AREA WELLS

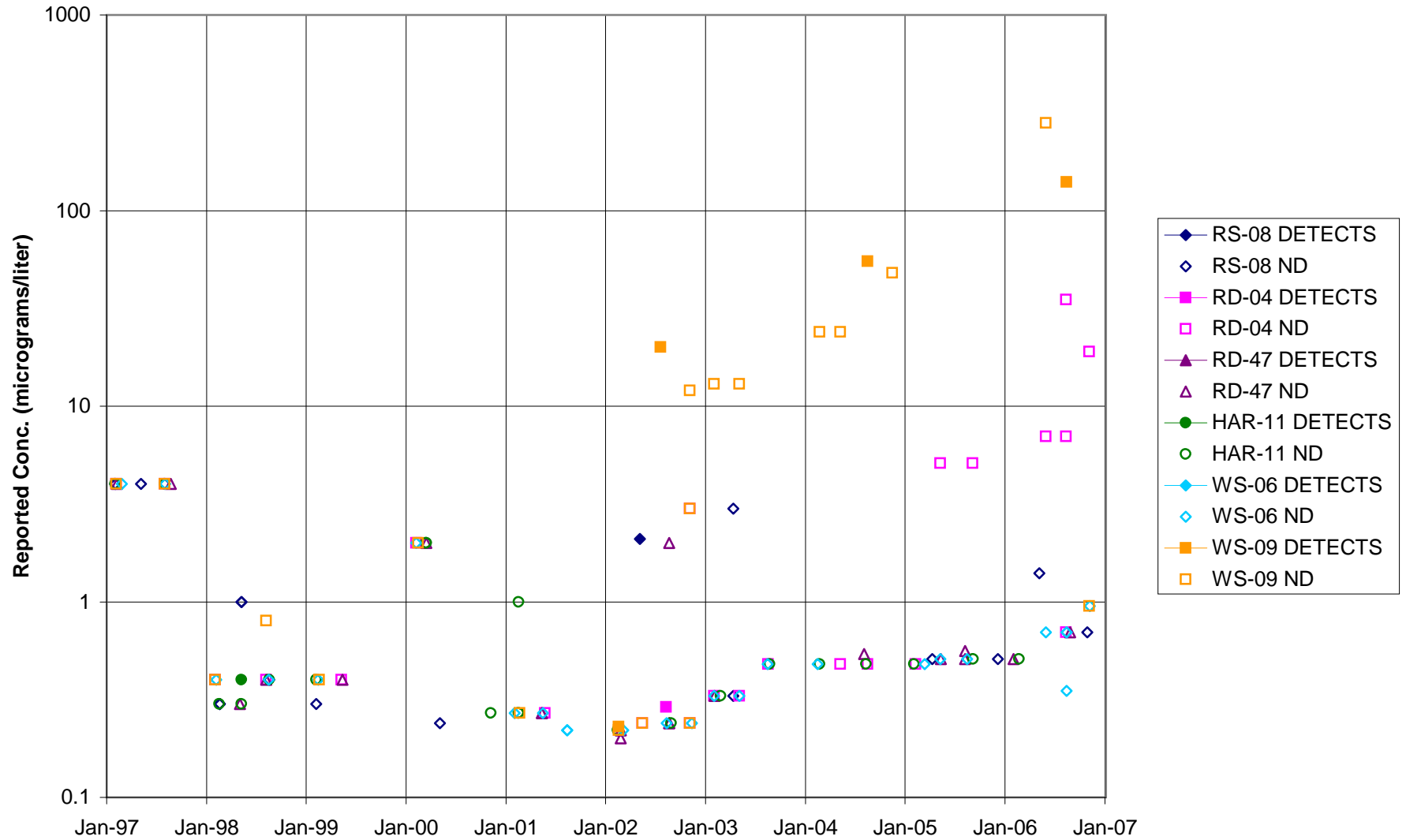


FIGURE F-217. METHYLENE CHLORIDE in SPA AREA WELLS

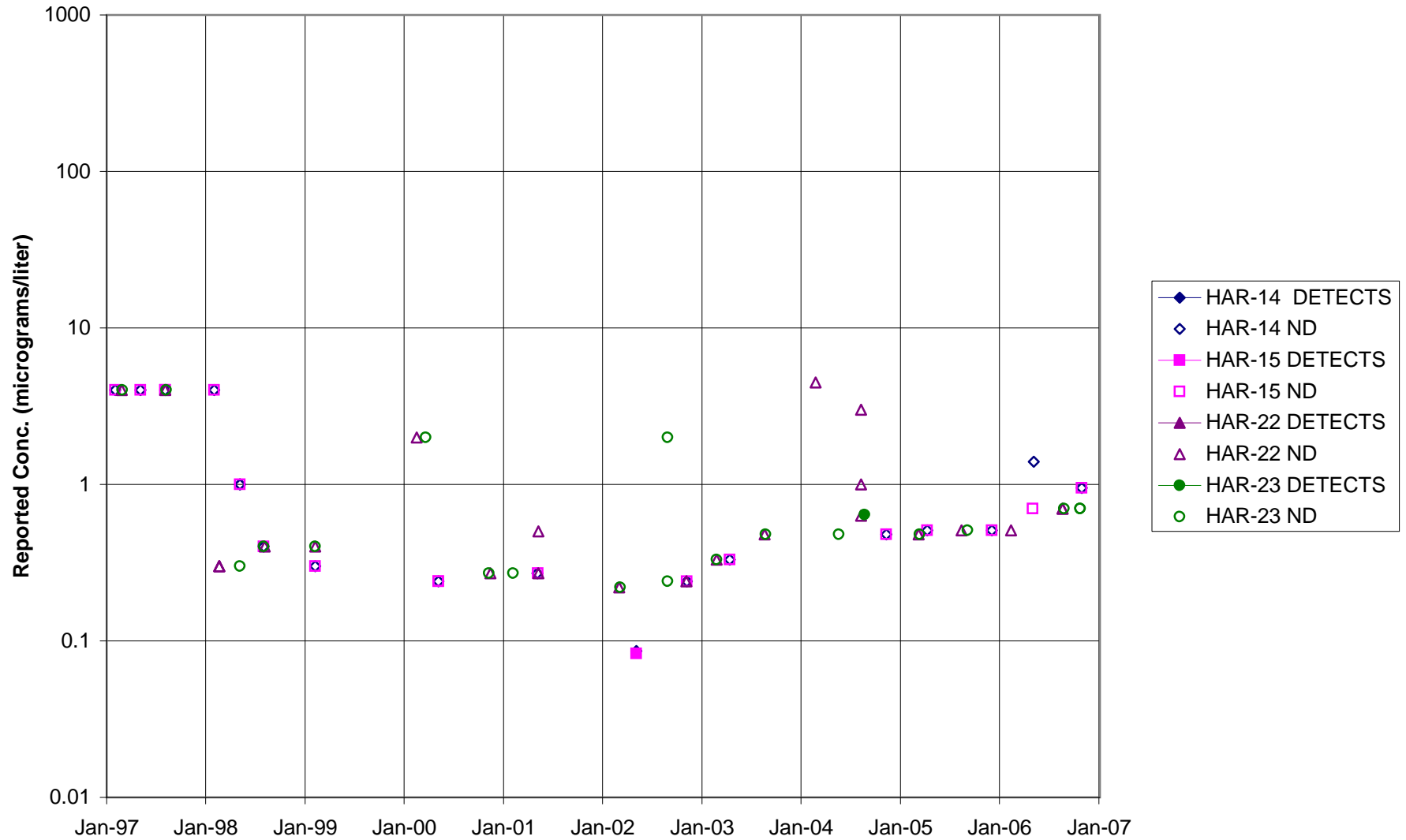


FIGURE F-218. METHYLENE CHLORIDE in COCA / PLF AREA WELLS

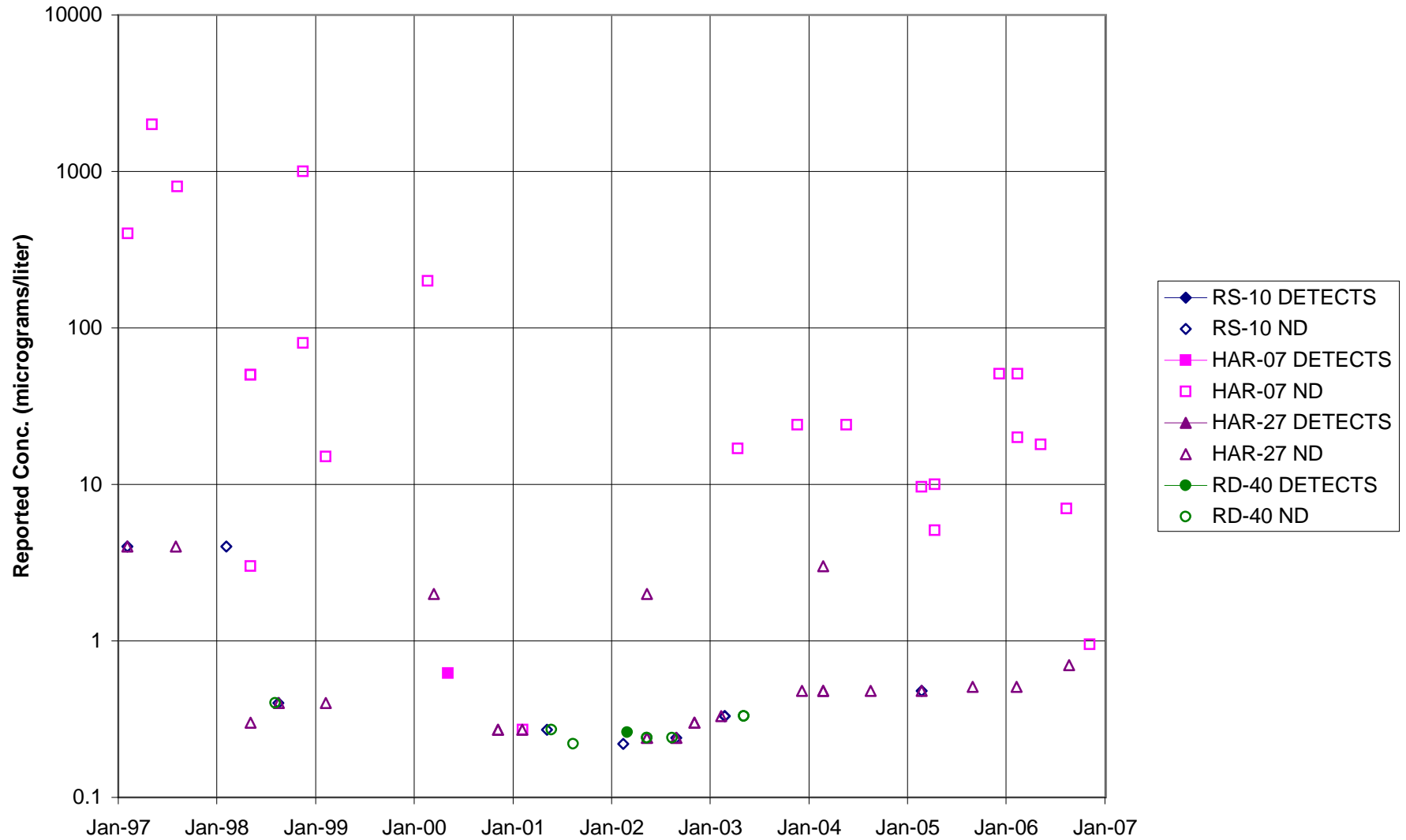


FIGURE F-219. METHYLENE CHLORIDE in DELTA / BUFFER ZONE AREA WELLS

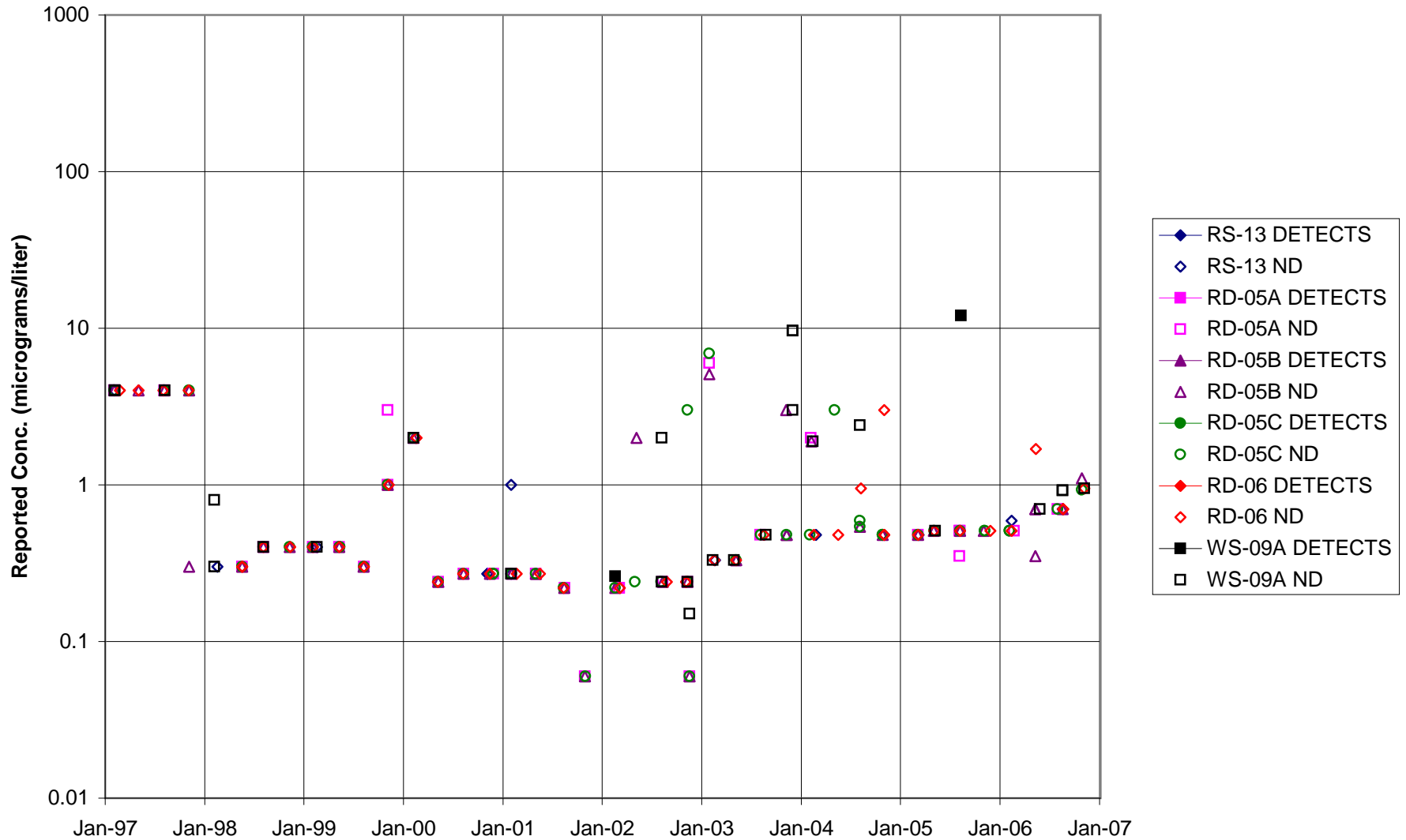


FIGURE F-220. METHYLENE CHLORIDE in AREA IV WELLS

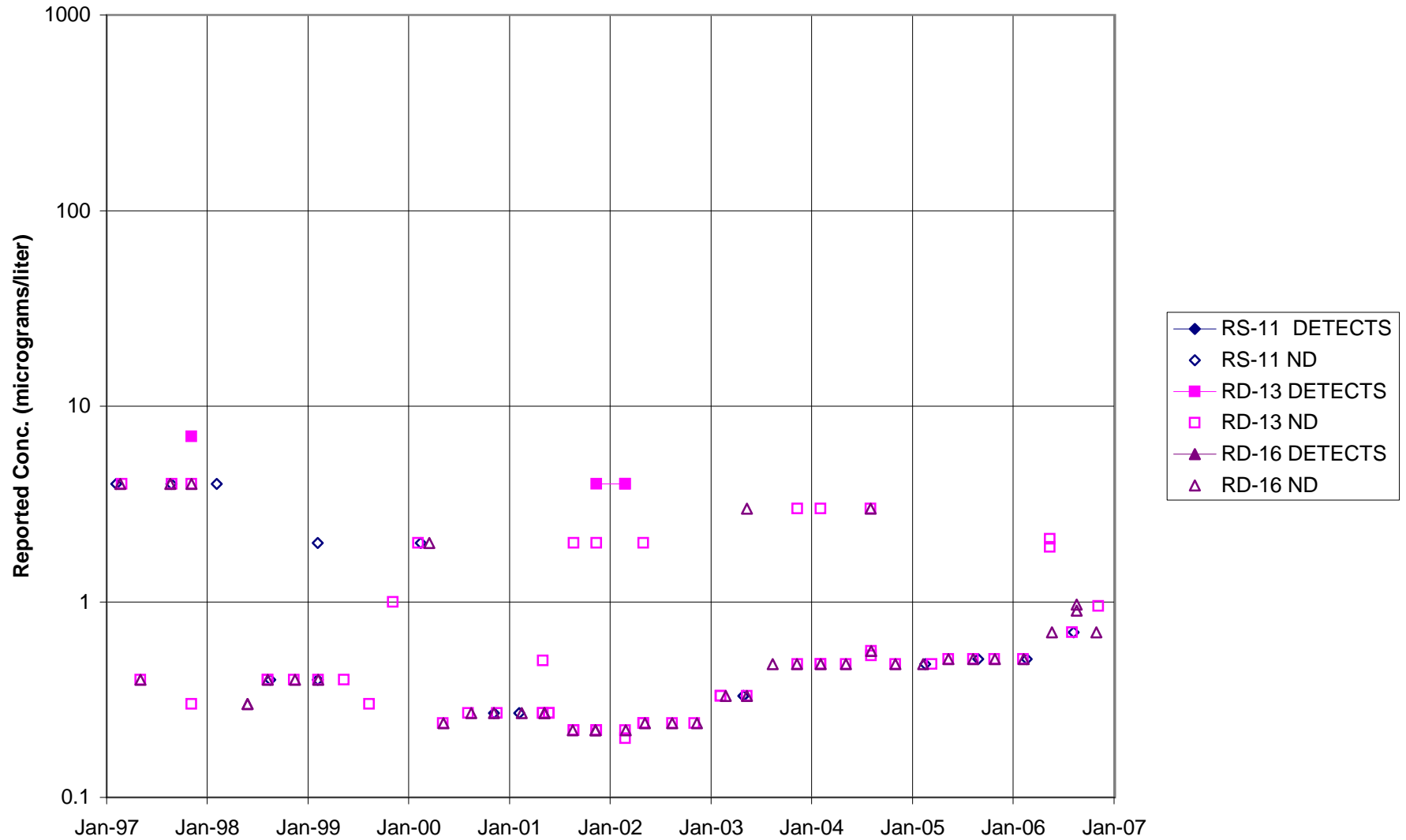


FIGURE F-221. NITRATE (as NO₃) in STL-IV AREA CHATSWORTH FORMATION WELLS

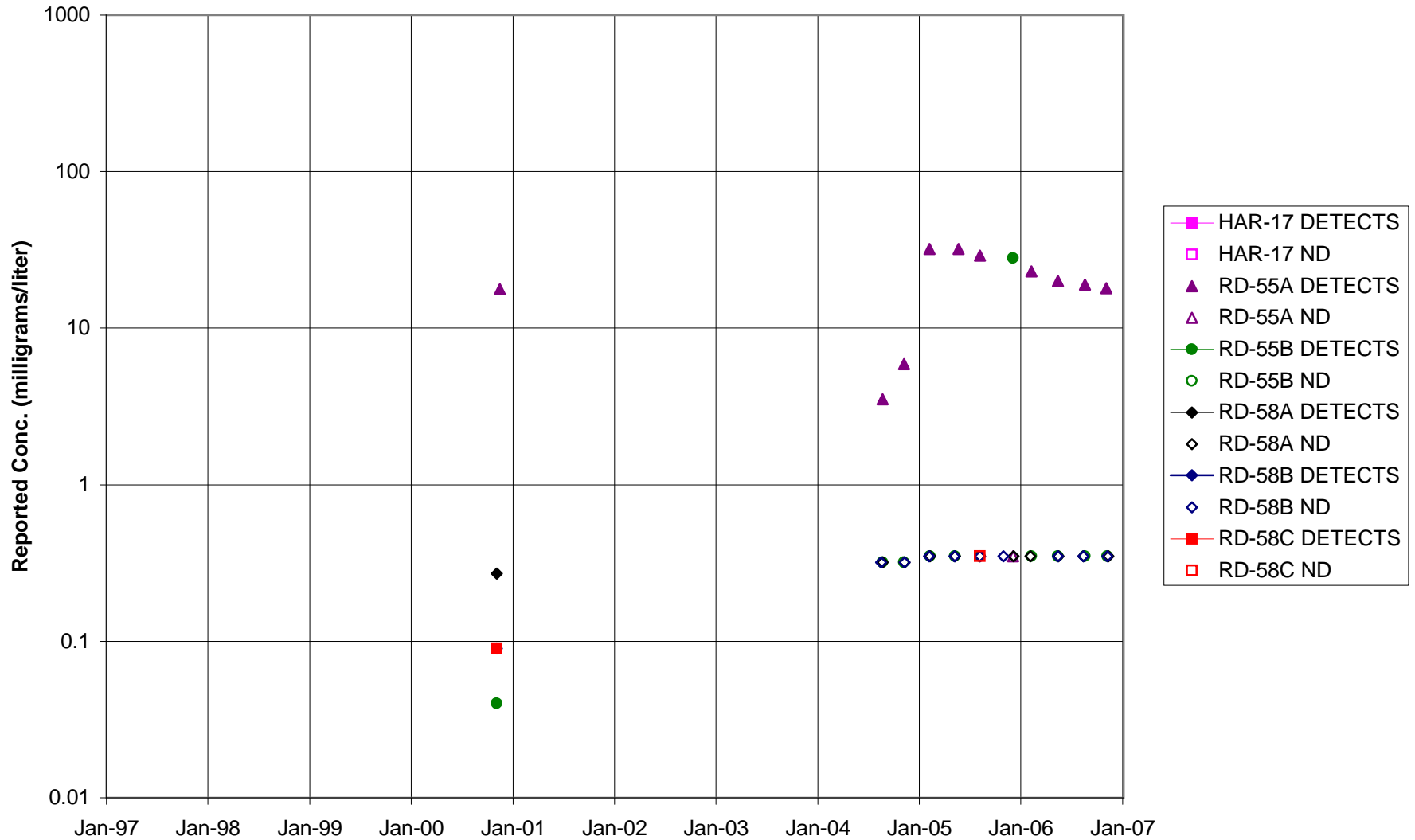


FIGURE F-222. NITRATE (as NO₃) in MAIN GATE AREA WELLS - 1

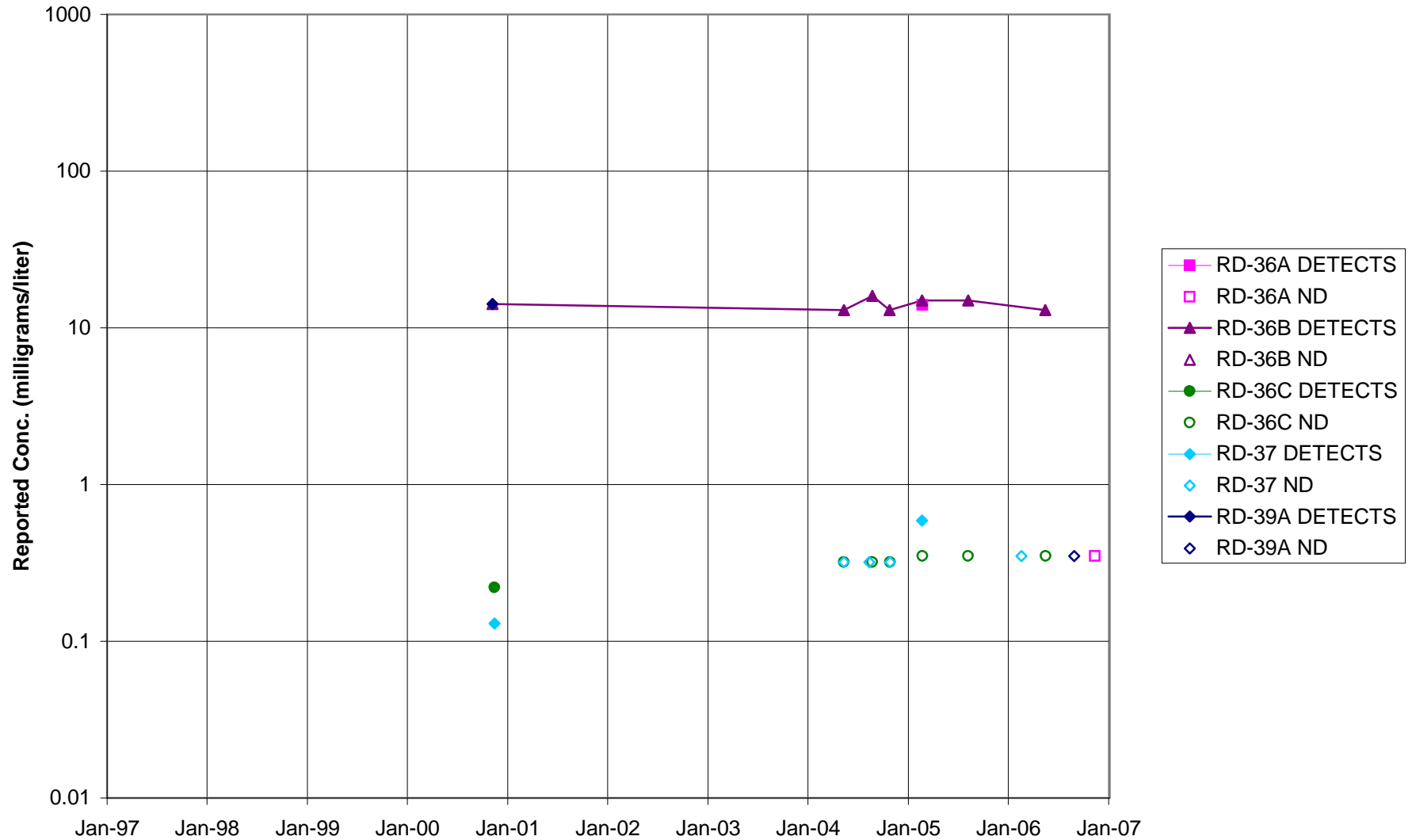


FIGURE F-223. NITRATE (as NO₃) in MAIN GATE AREA WELLS - 2

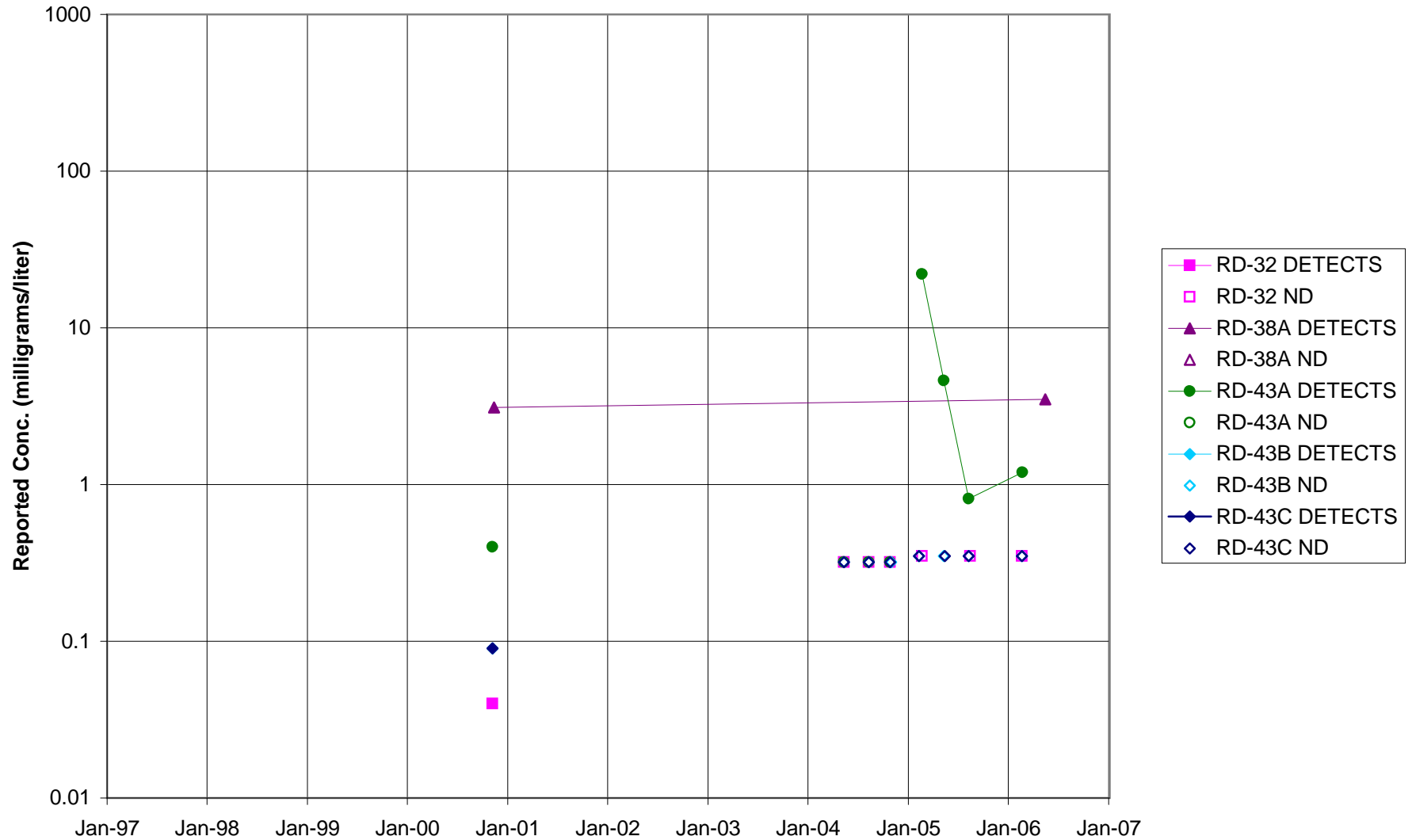


FIGURE F-224. NITRATE (as NO₃) in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

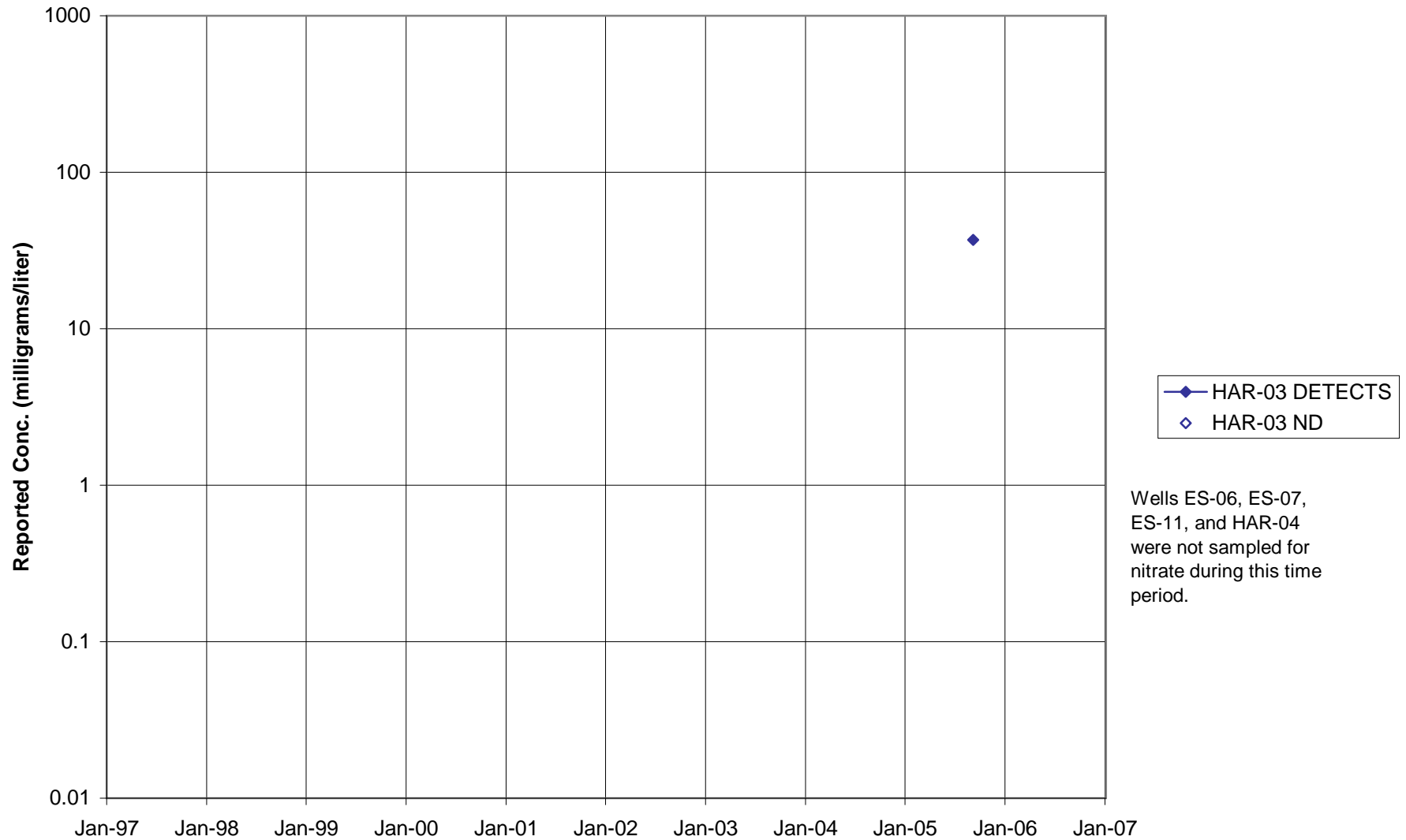


FIGURE F-225. NITRATE (as NO₃) in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

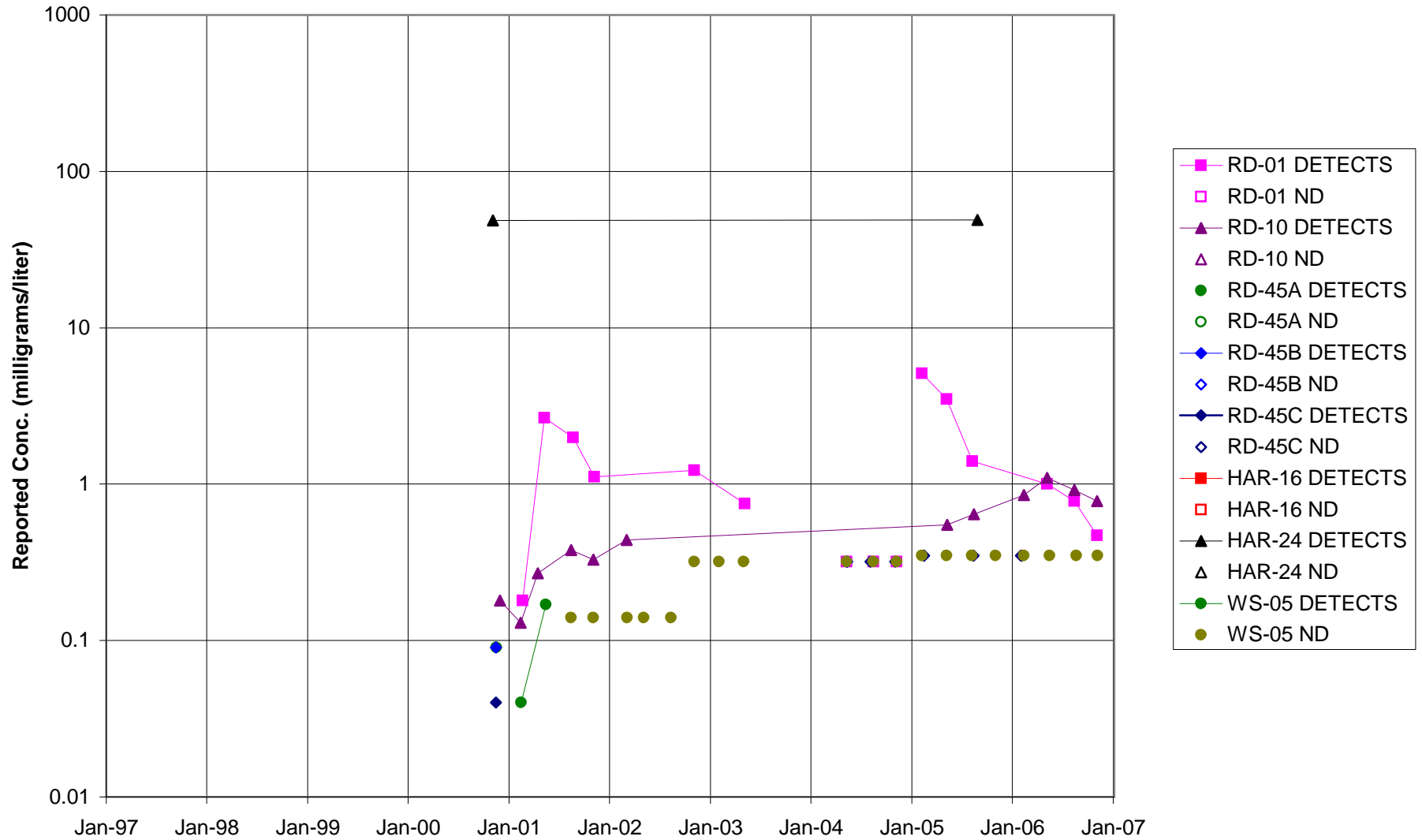


FIGURE F-226. NITRATE (as NO₃) in CTL-III / PERIMETER POND AREA WELLS

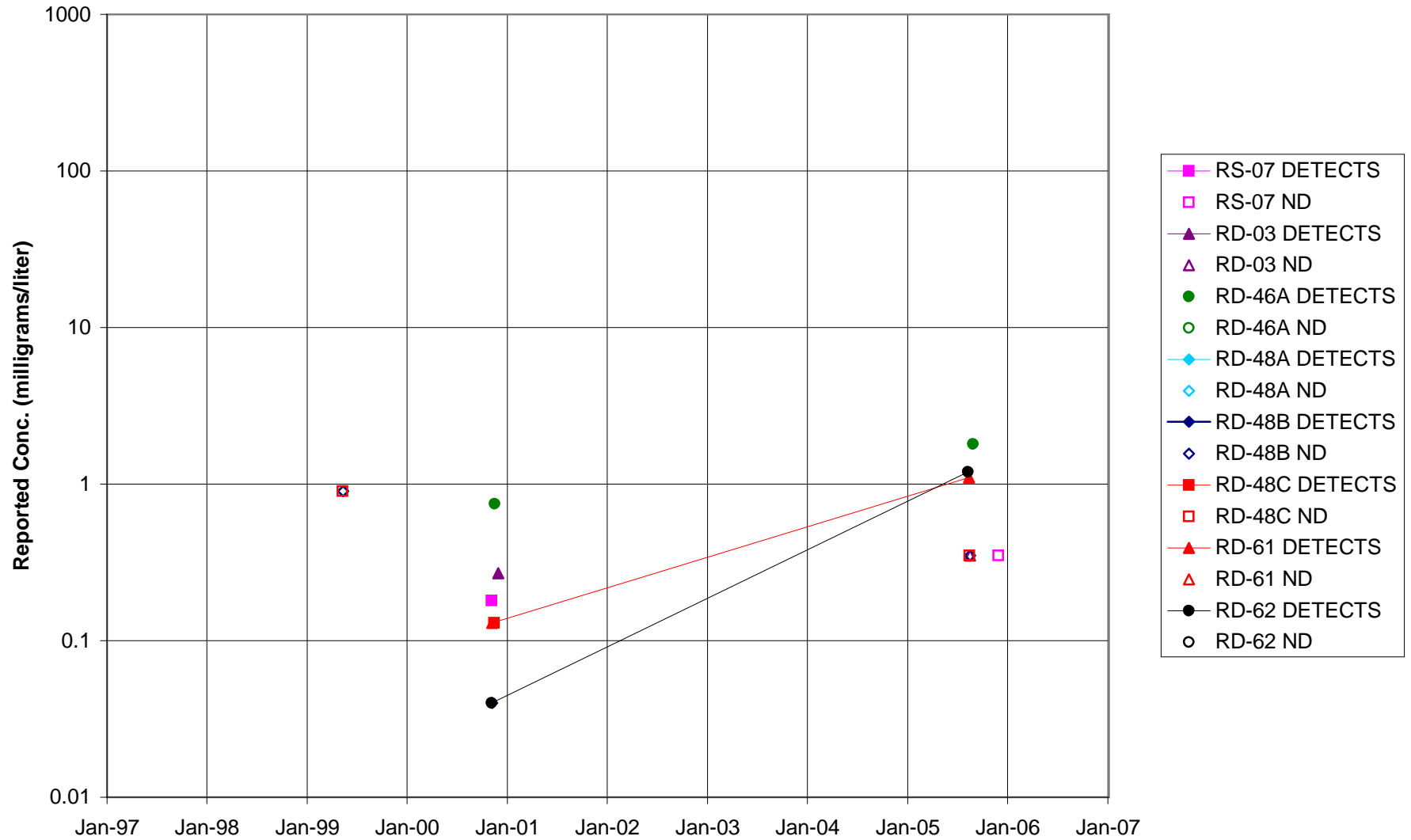


FIGURE F-227. NITRATE (as NO₃) in BOWL AREA WELLS

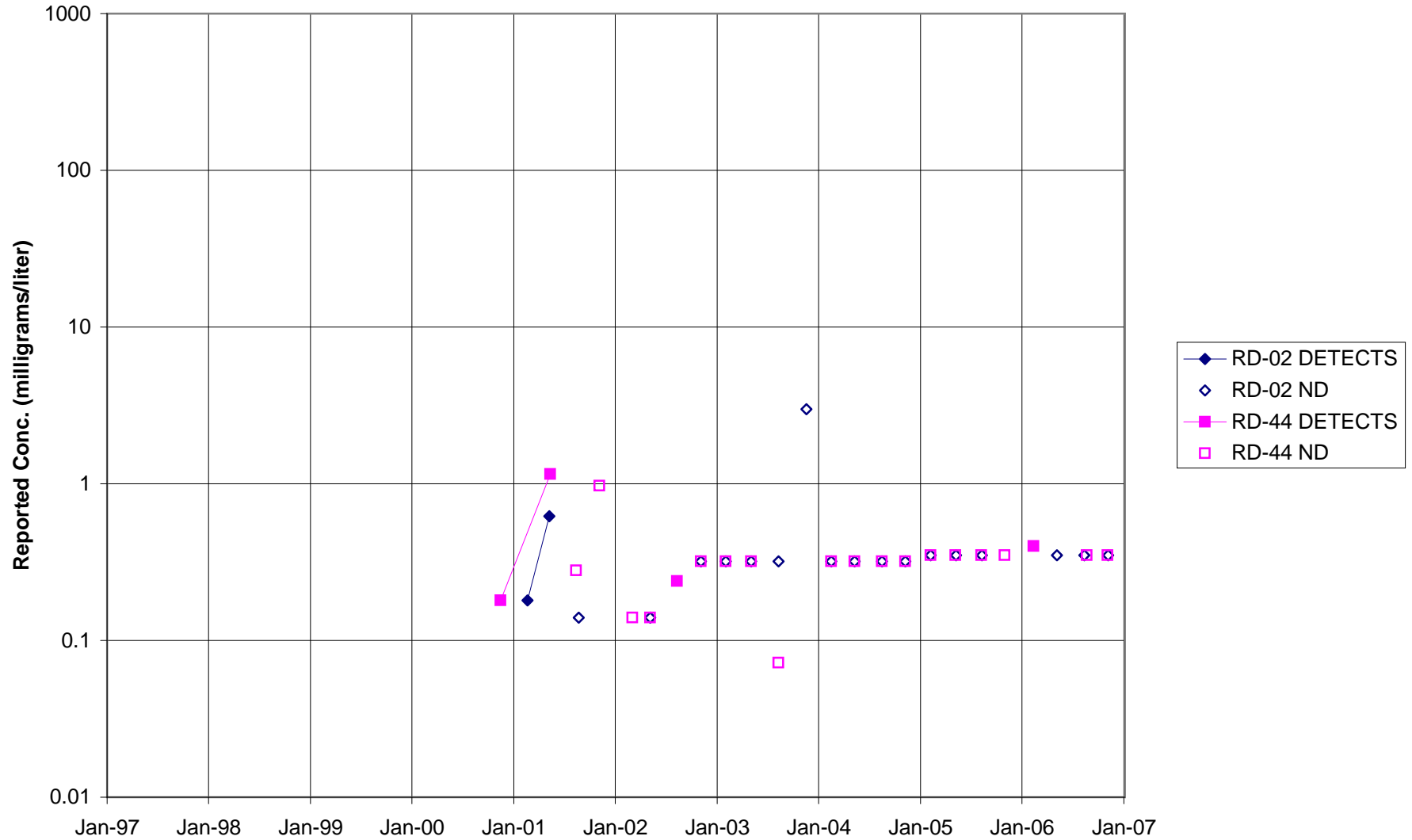


FIGURE F-228. NITRATE (as NO₃) in ECL AREA WELLS

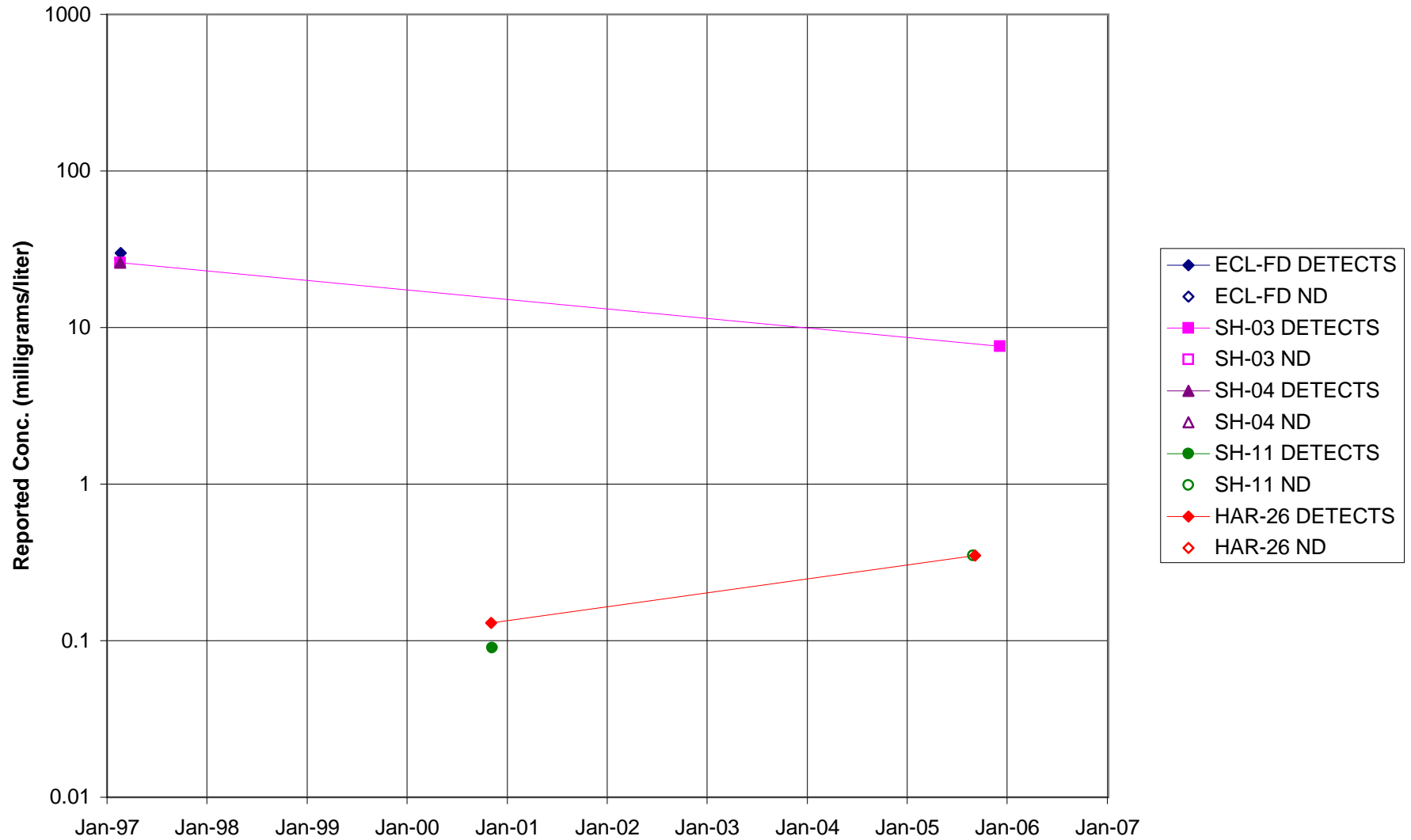


FIGURE F-229. NITRATE (as NO₃) in FORMER LOX PLANT AREA WELLS

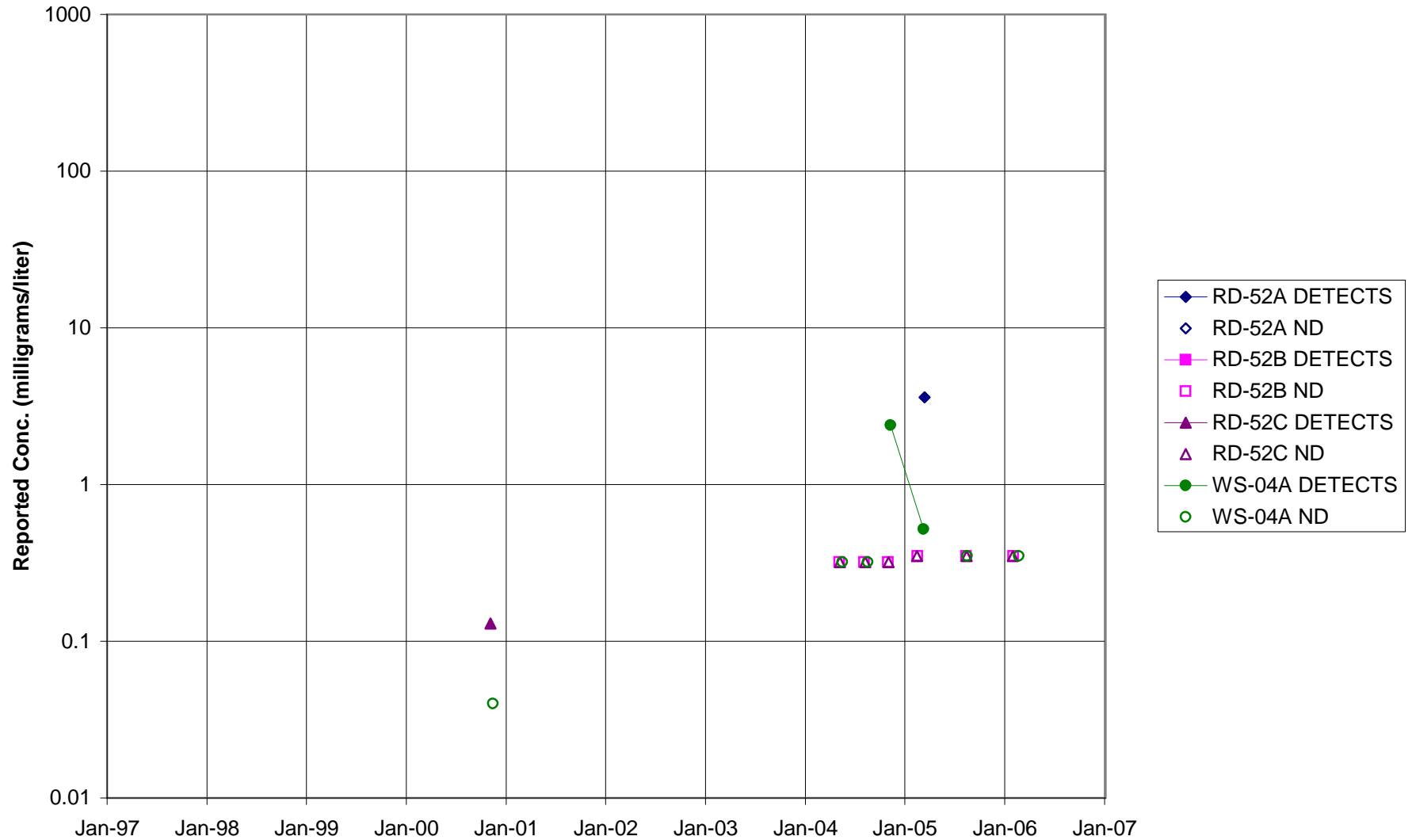


FIGURE F-230. NITRATE (as NO3) in RD-09 AREA WELLS

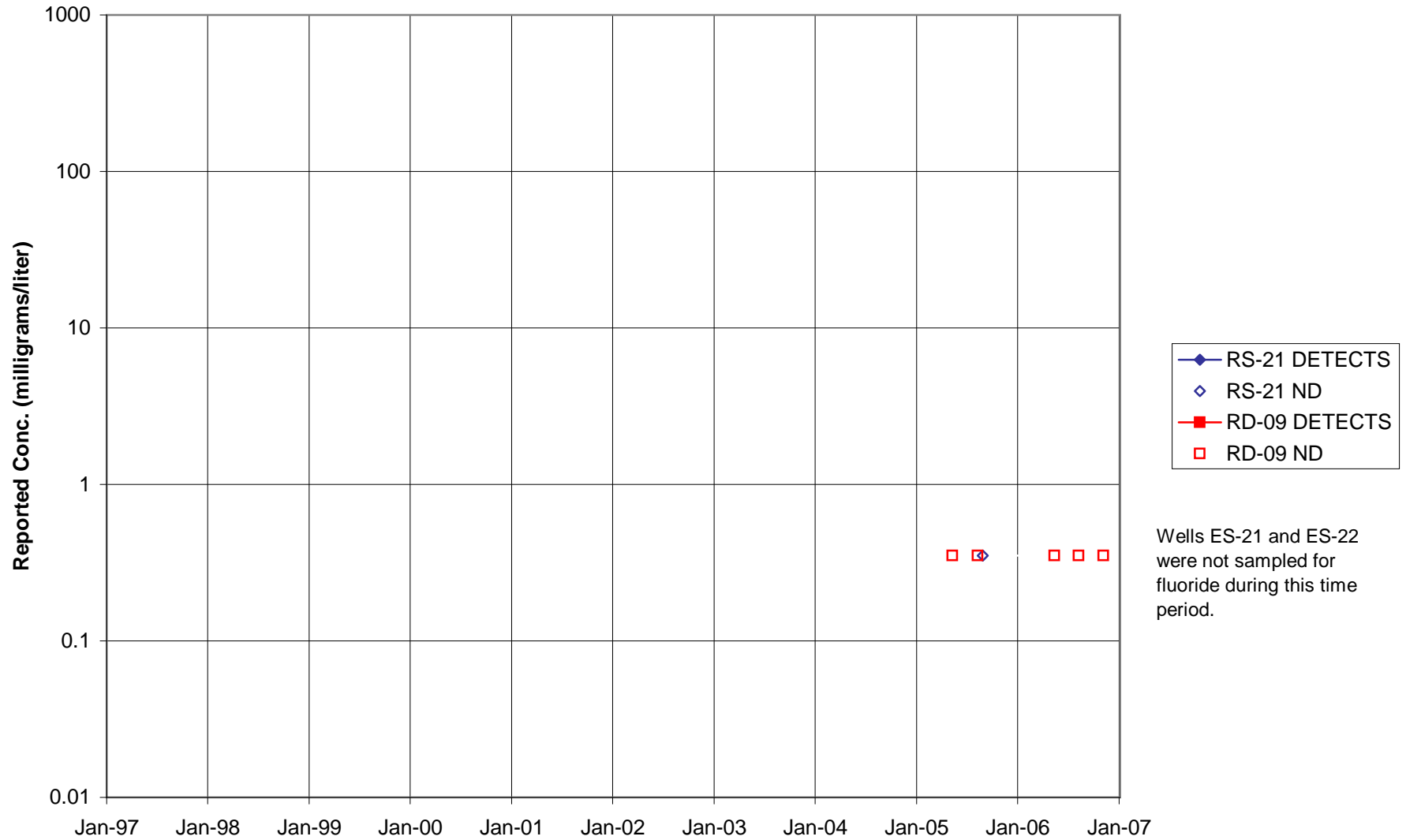


FIGURE F-231. NITRATE (as NO₃) in HELIPORT, B/204 AREA WELLS

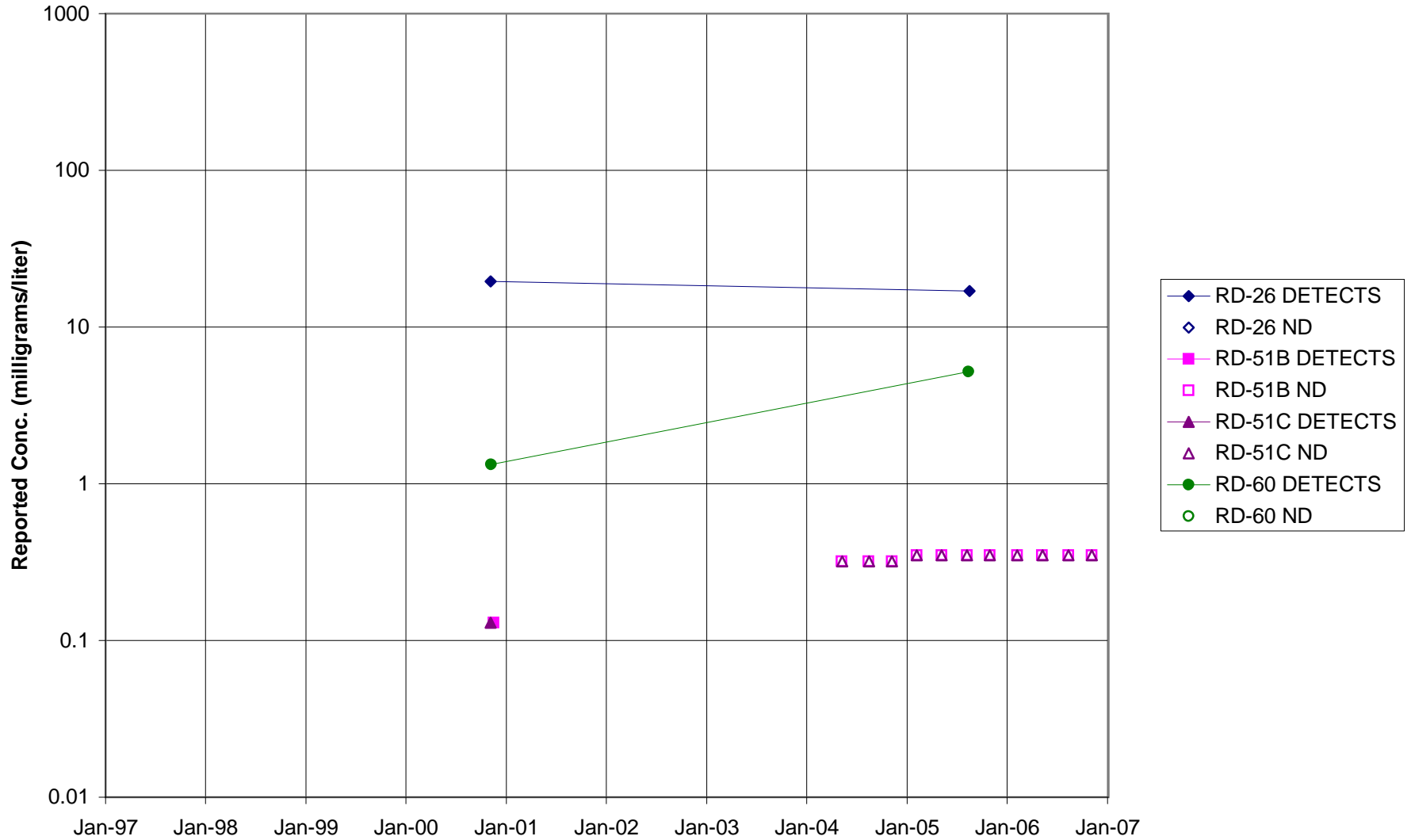


FIGURE F-232. NITRATE (as NO₃) in ALFA / BRAVO AREA WELLS

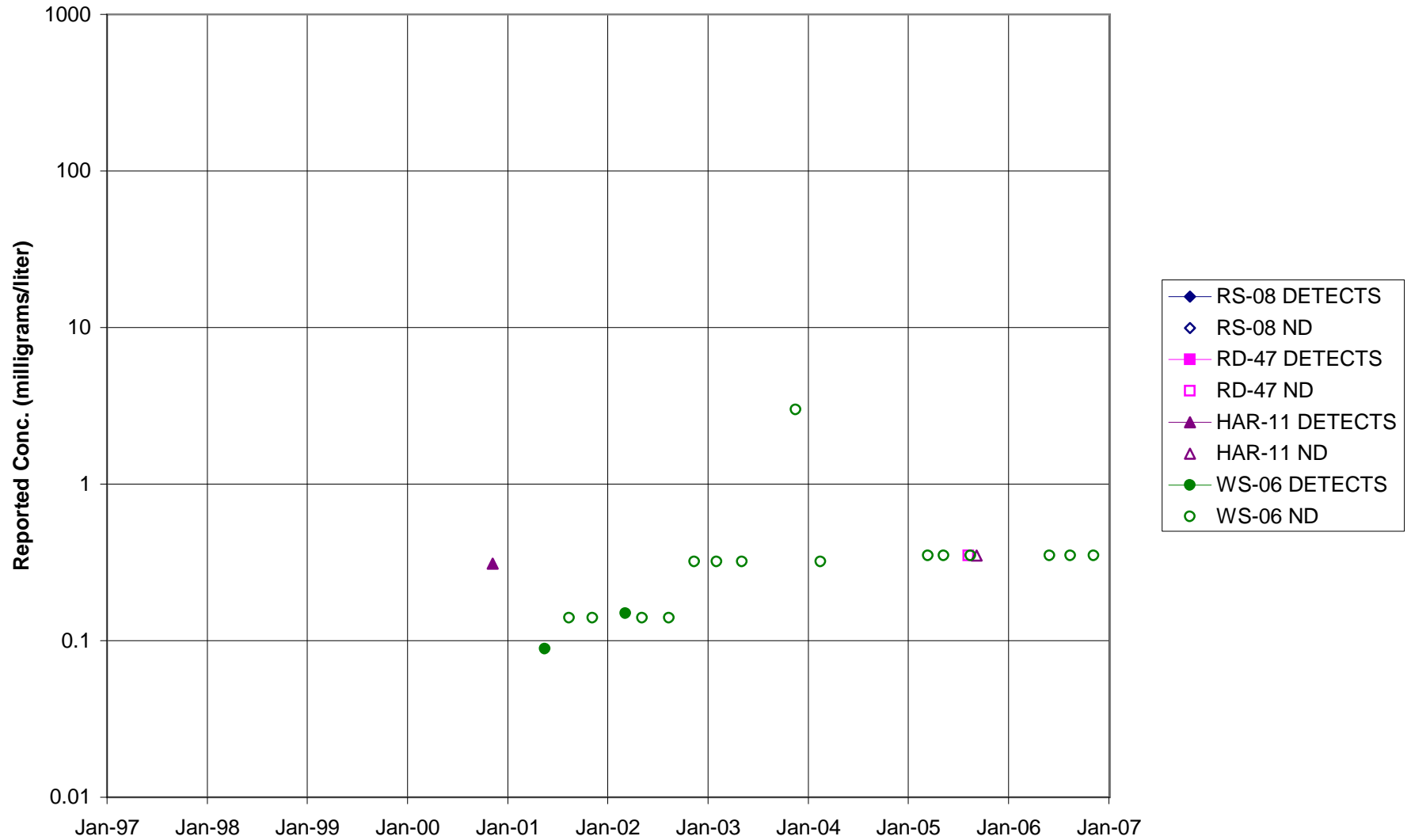


FIGURE F-233. NITRATE (as NO₃) in SPA AREA WELLS

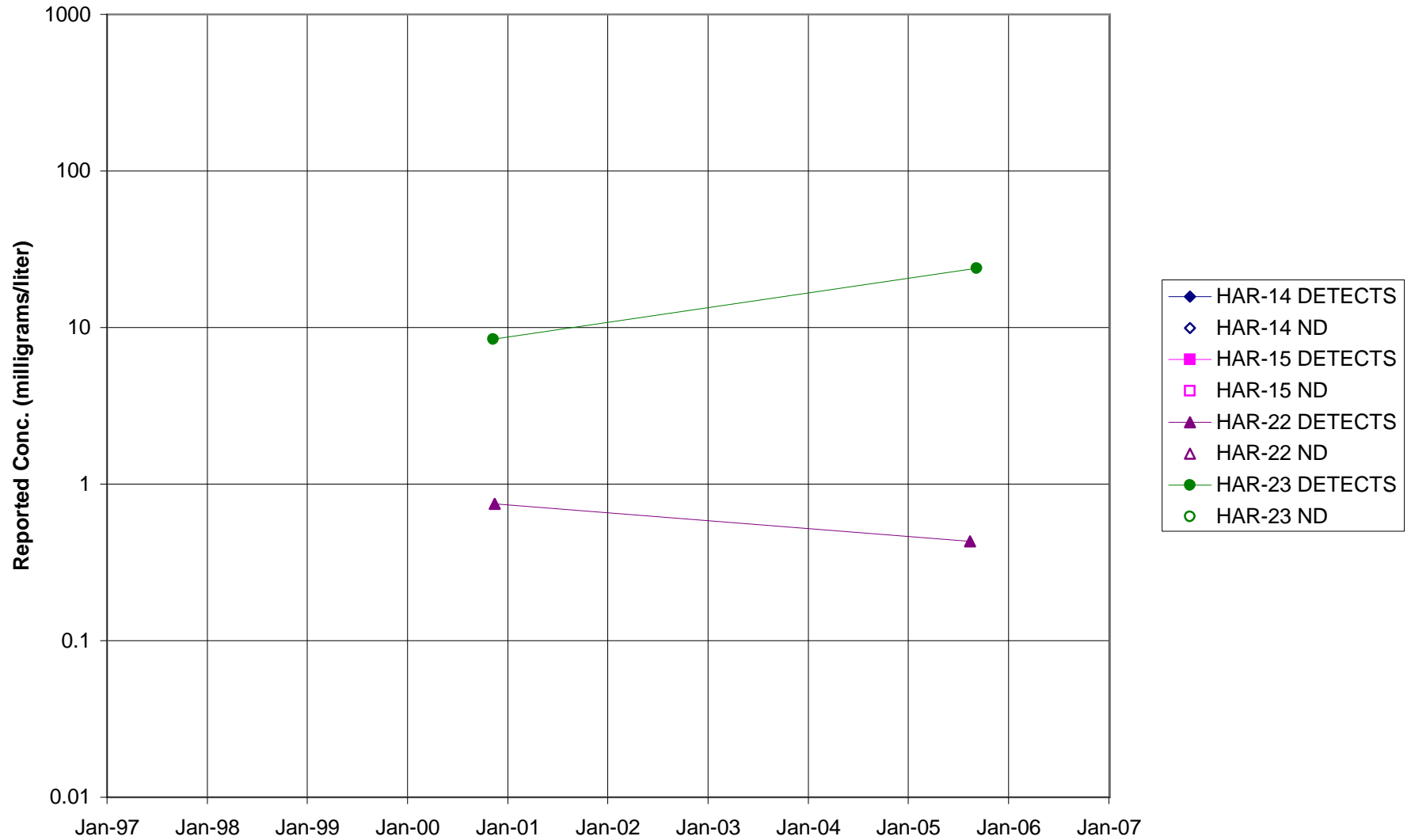


FIGURE F-234. NITRATE (as NO₃) in COCA / PLF AREA WELLS

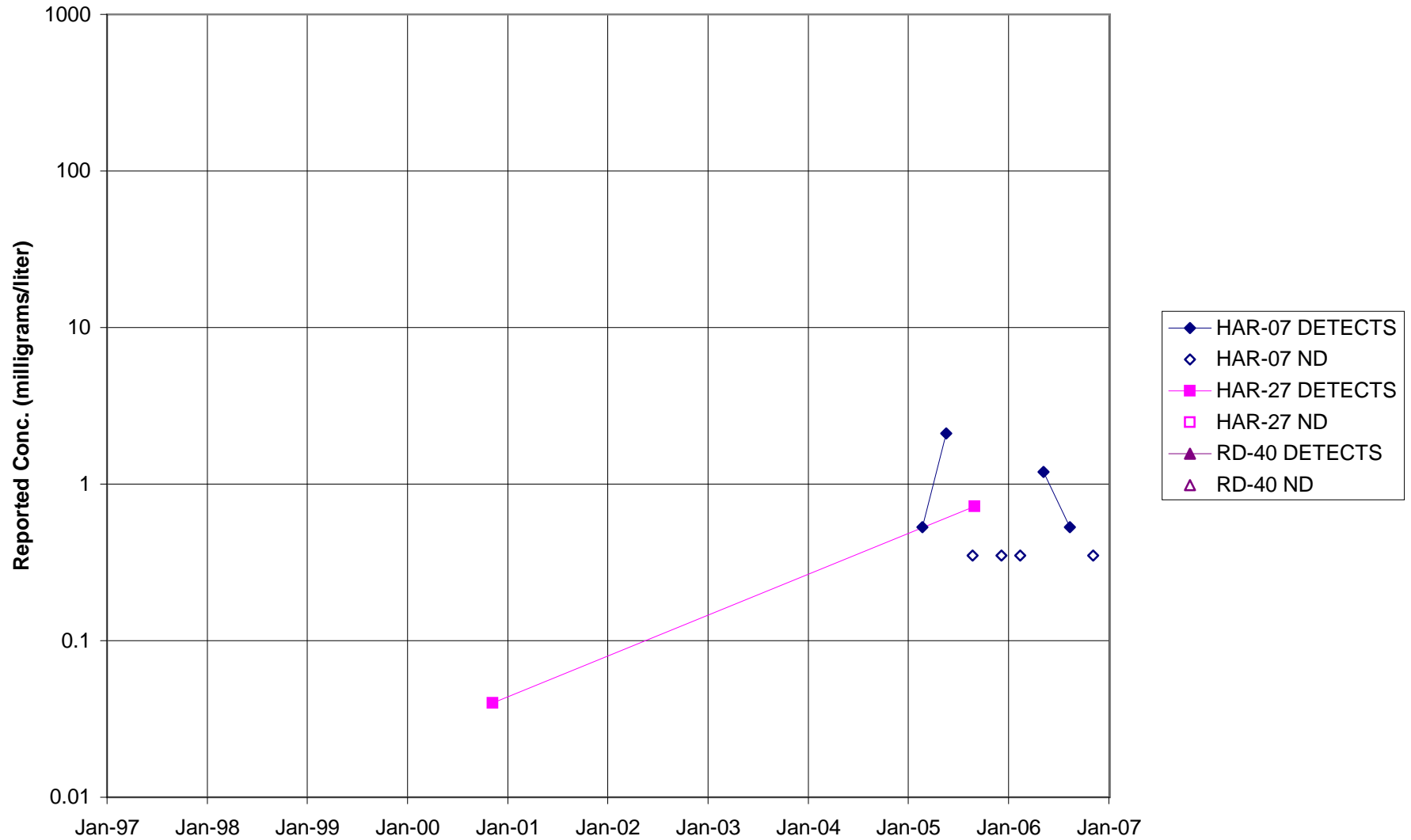


FIGURE F-235. NITRATE (as NO₃) in DELTA / BUFFER ZONE WELLS



FIGURE F-236. NITRATE (as NO₃) AREA IV WELLS

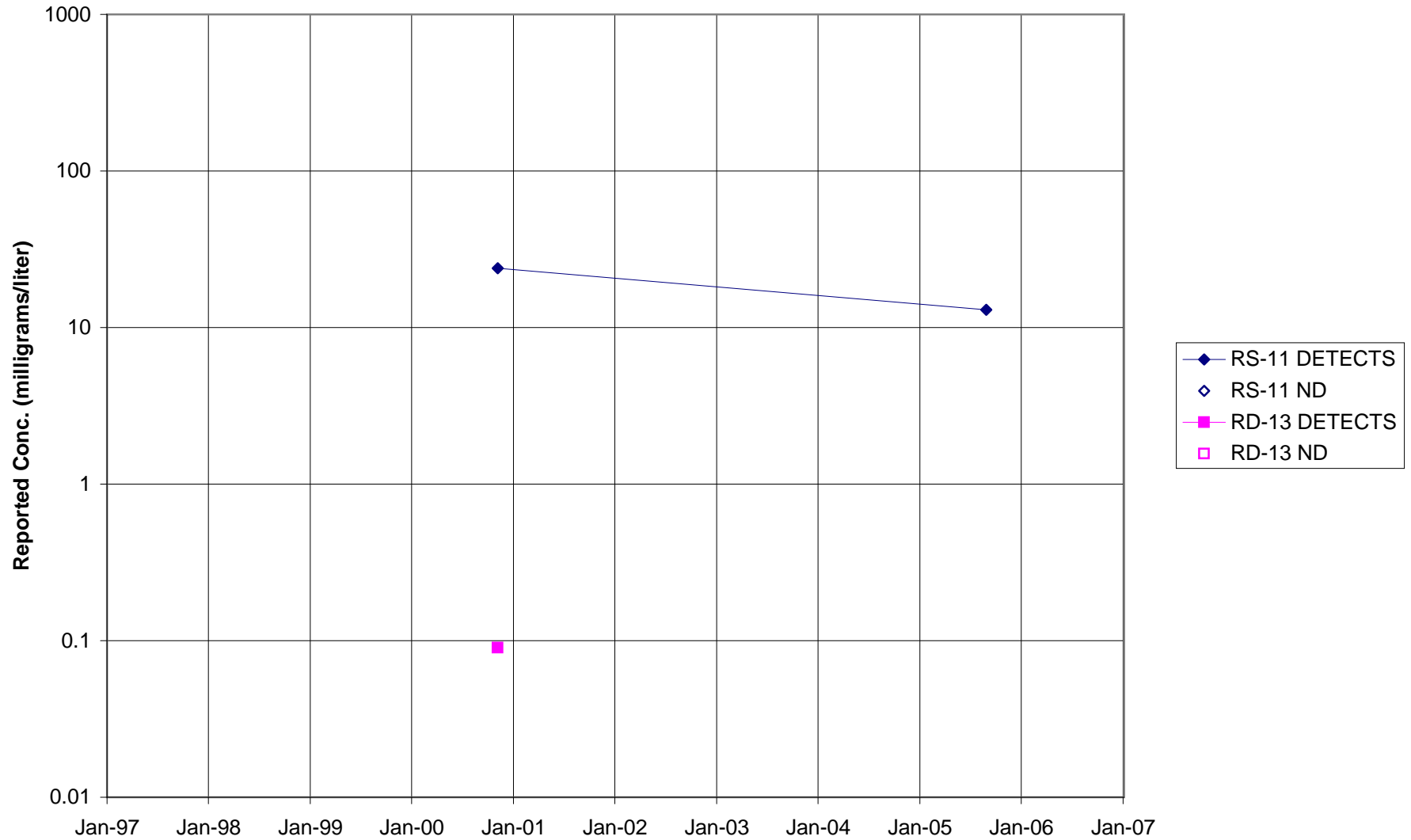


FIGURE F-237. NITROBENZENE in STL-IV AREA CHATSWORTH FORMATION WELLS

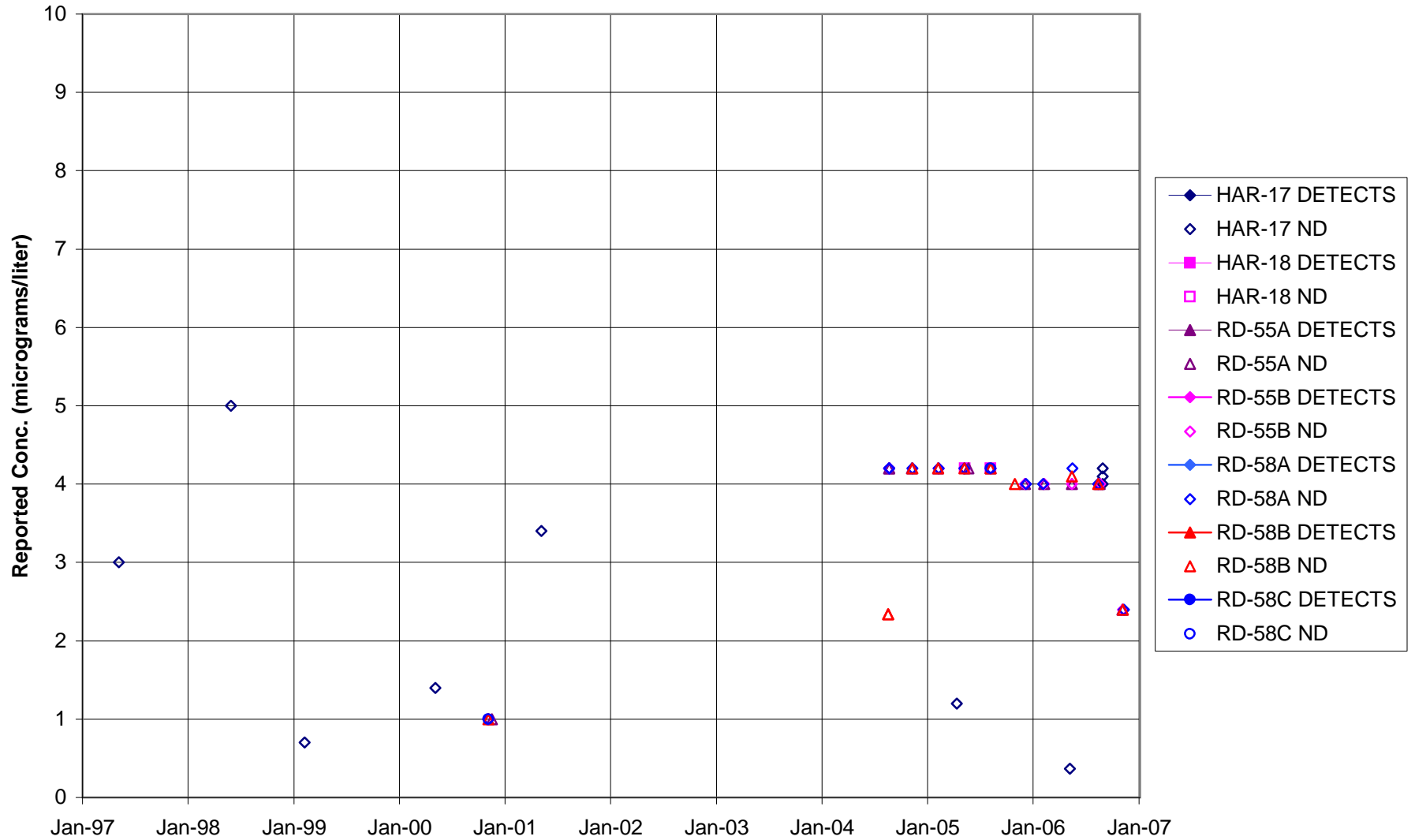


FIGURE F-238. NITROBENZENE in MAIN GATE AREA WELLS - 1

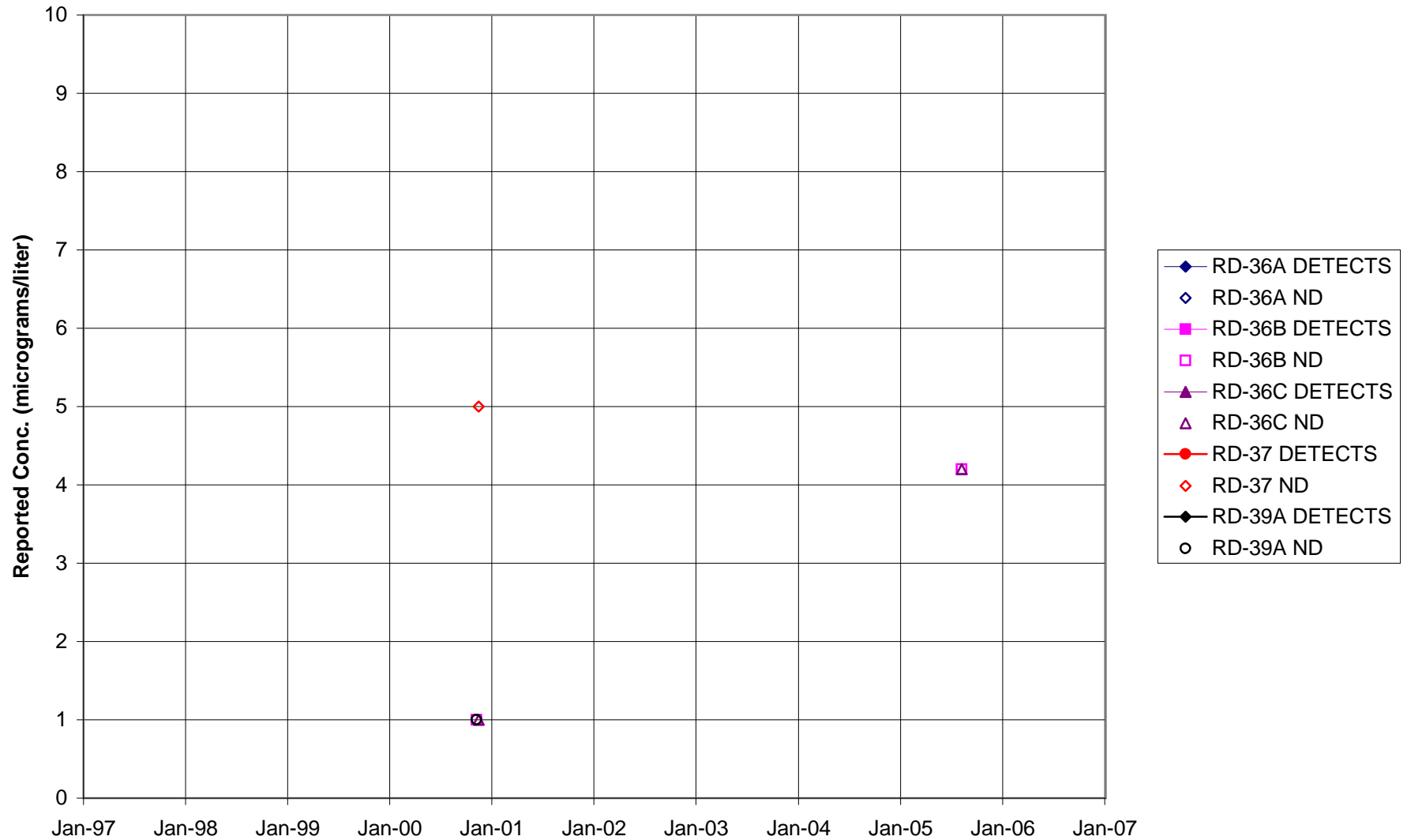


FIGURE F-239. NITROBENZENE in MAIN GATE AREA WELLS - 2

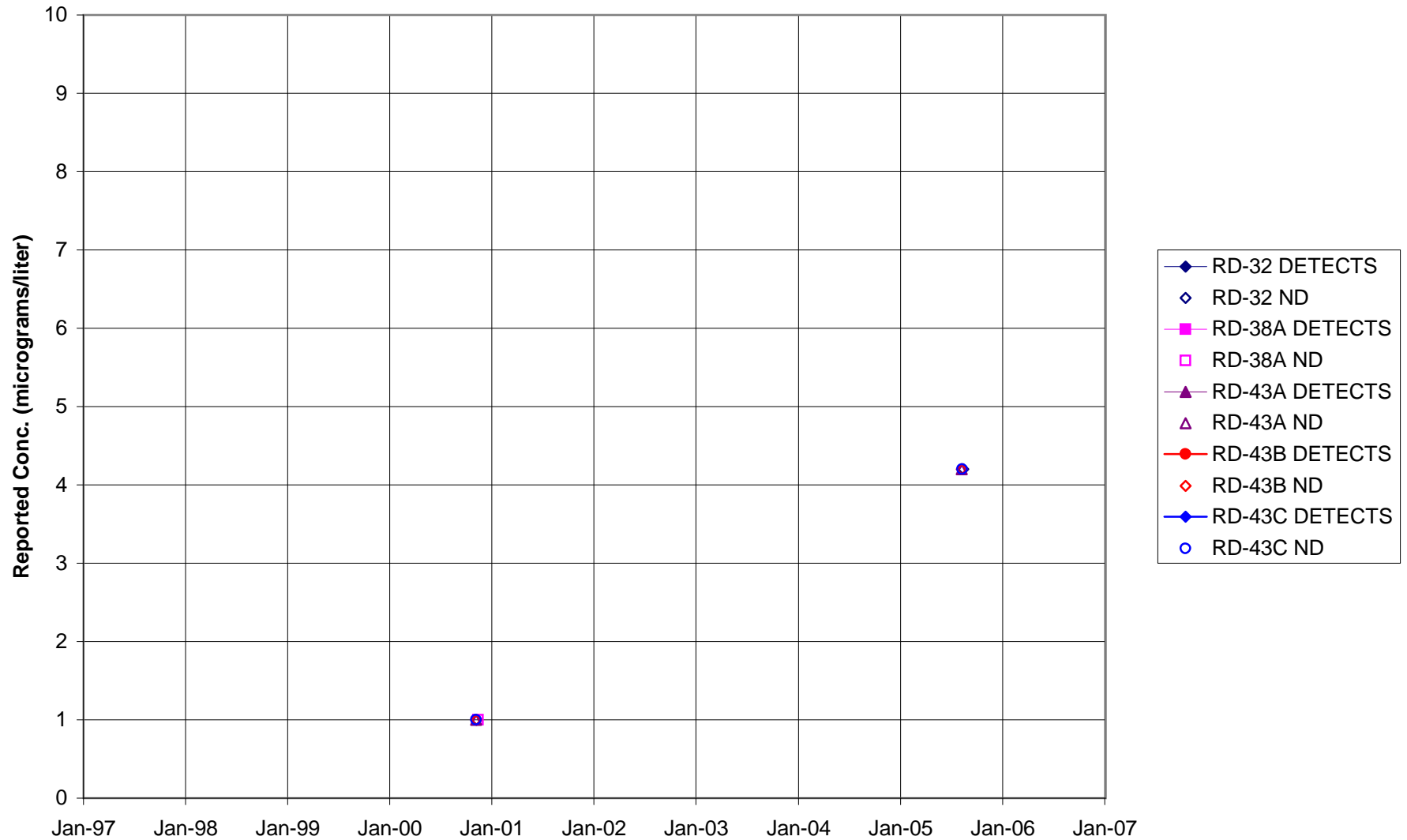


FIGURE F-240. NITROBENZENE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

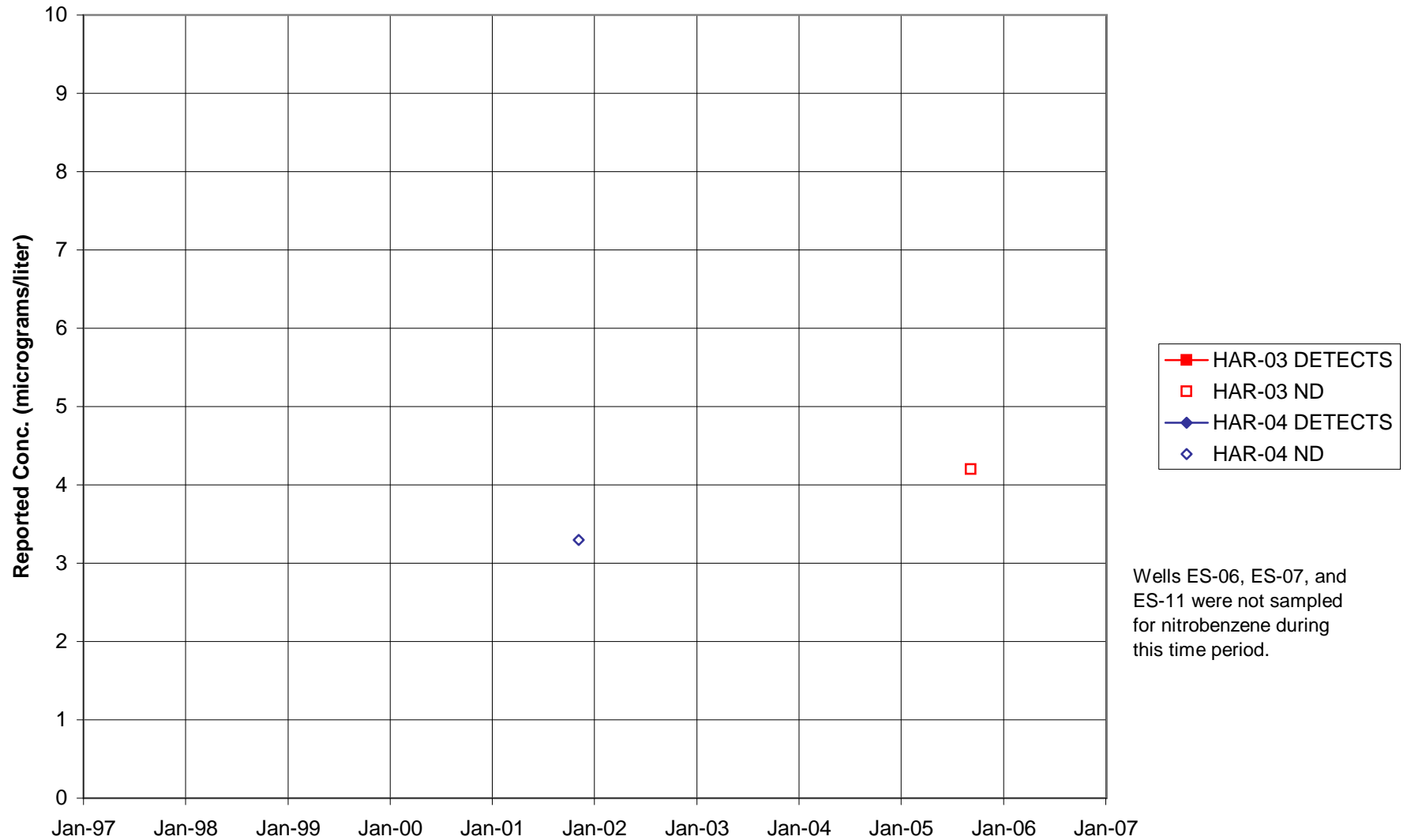


FIGURE F-242. NITROBENZENE in CTL-III / PERIMETER POND AREA WELLS

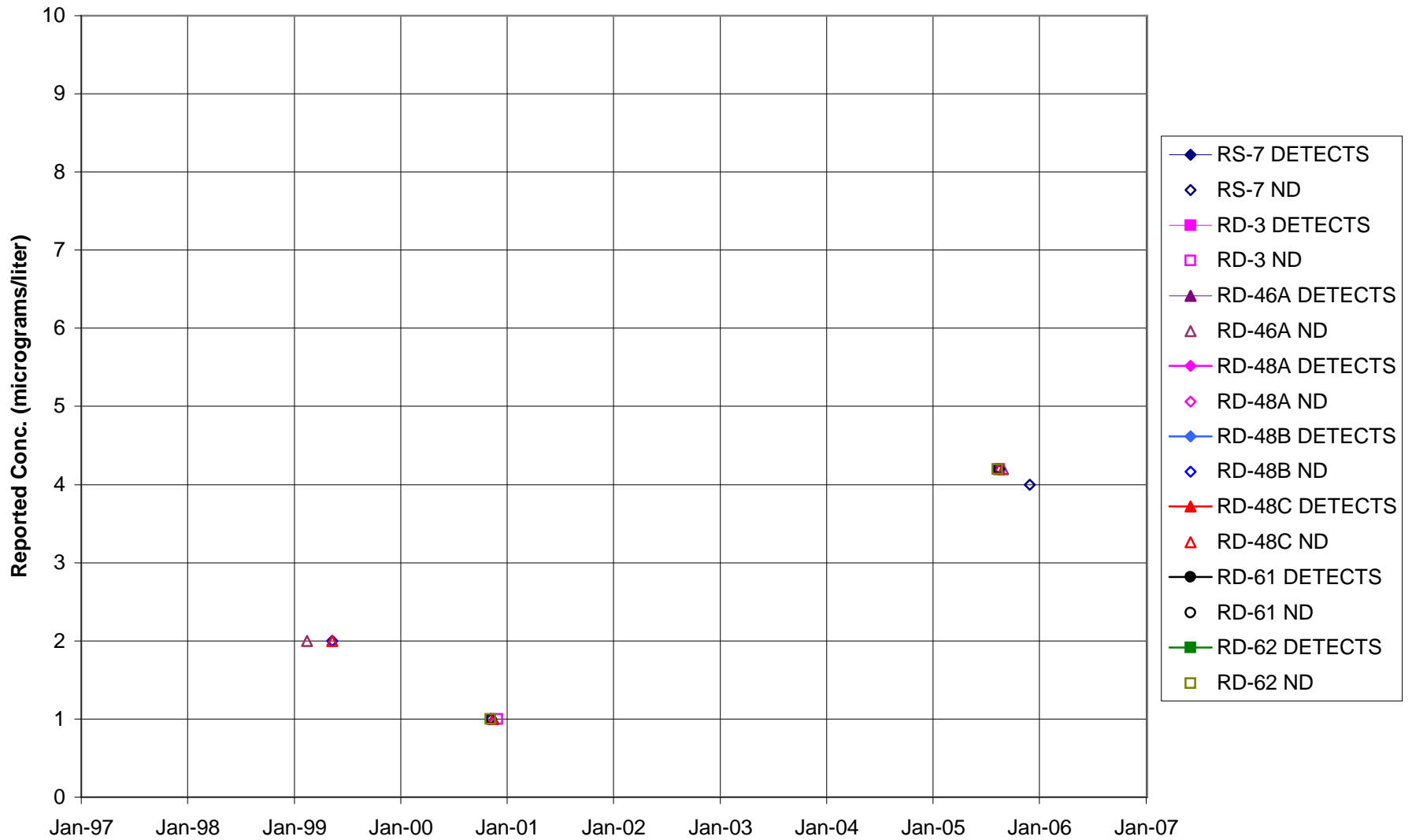


FIGURE F-243. NITROBENZENE in BOWL AREA WELLS

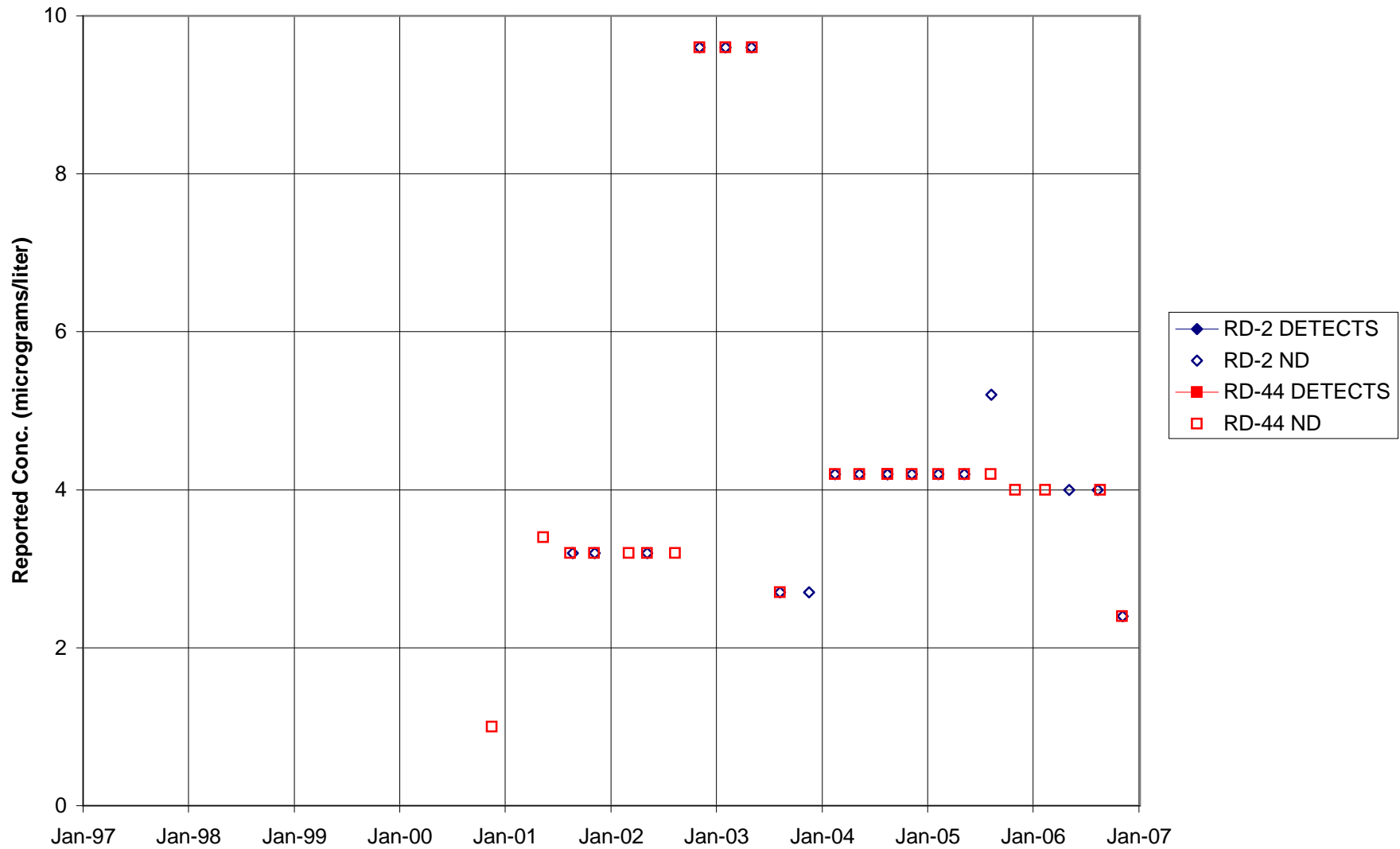


FIGURE F-244. NITROBENZENE in ECL AREA WELLS

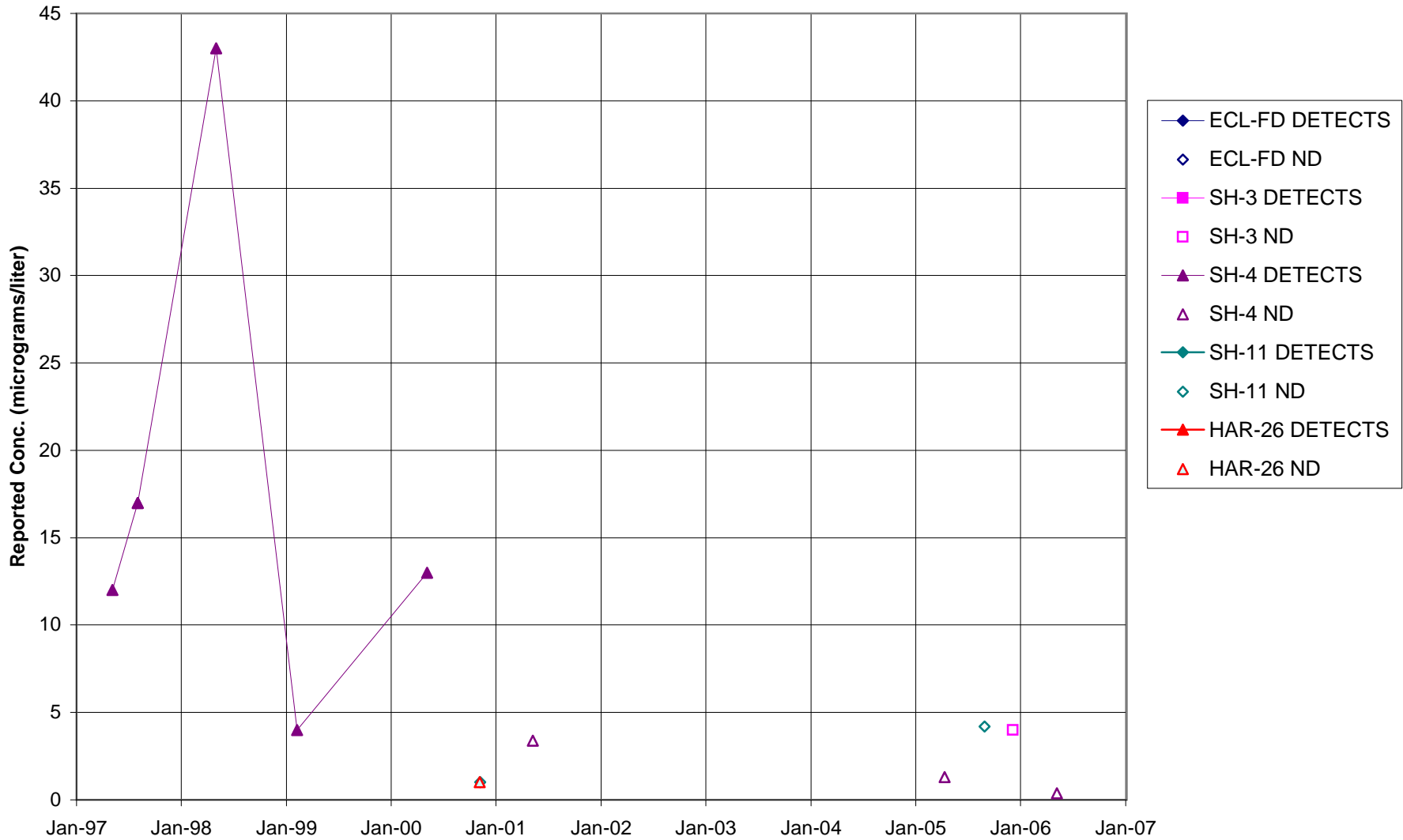


FIGURE F-245. NITROBENZENE in FORMER LOX PLANT AREA WELLS

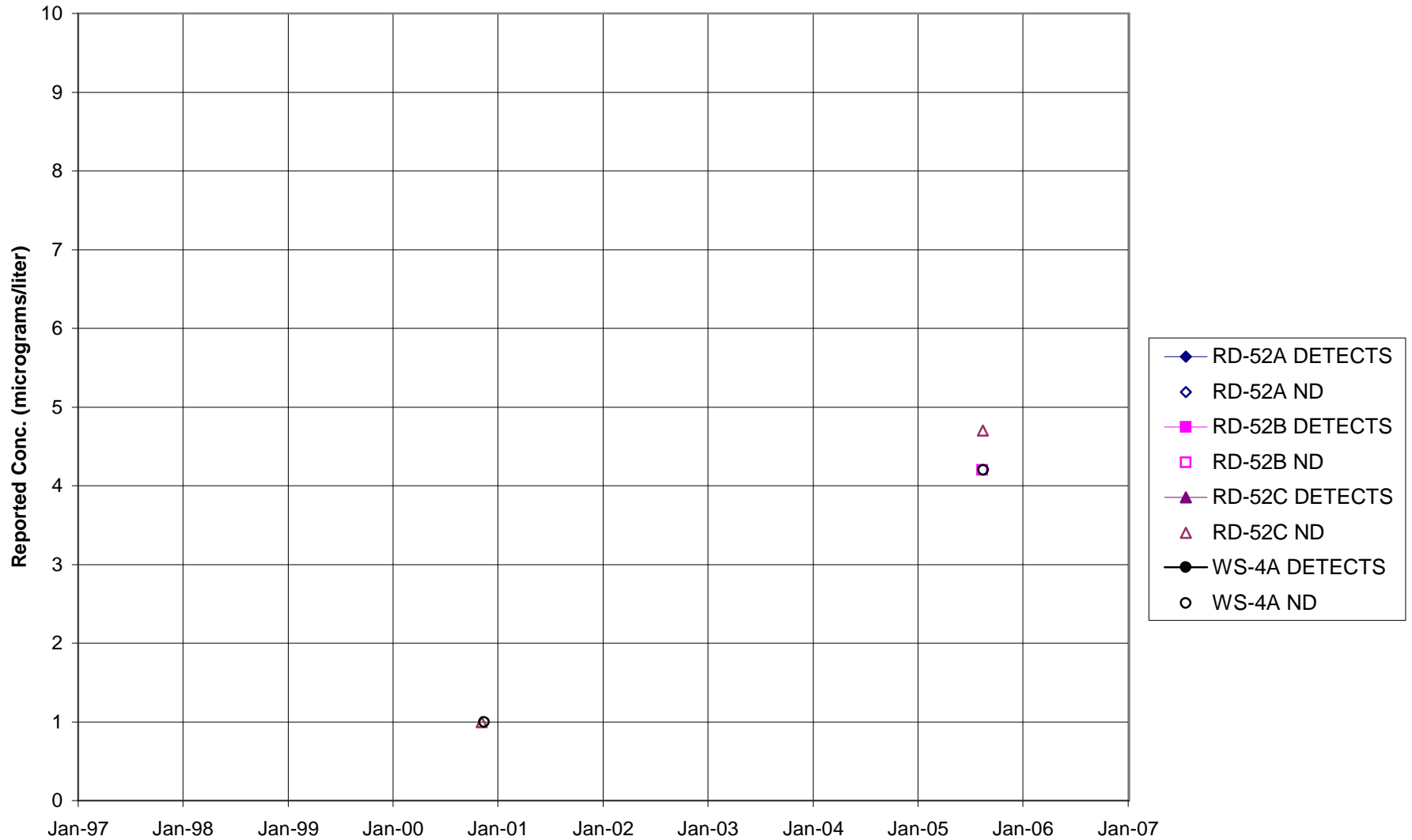


FIGURE F-246. NITROBENZENE in RD-09 AREA WELLS

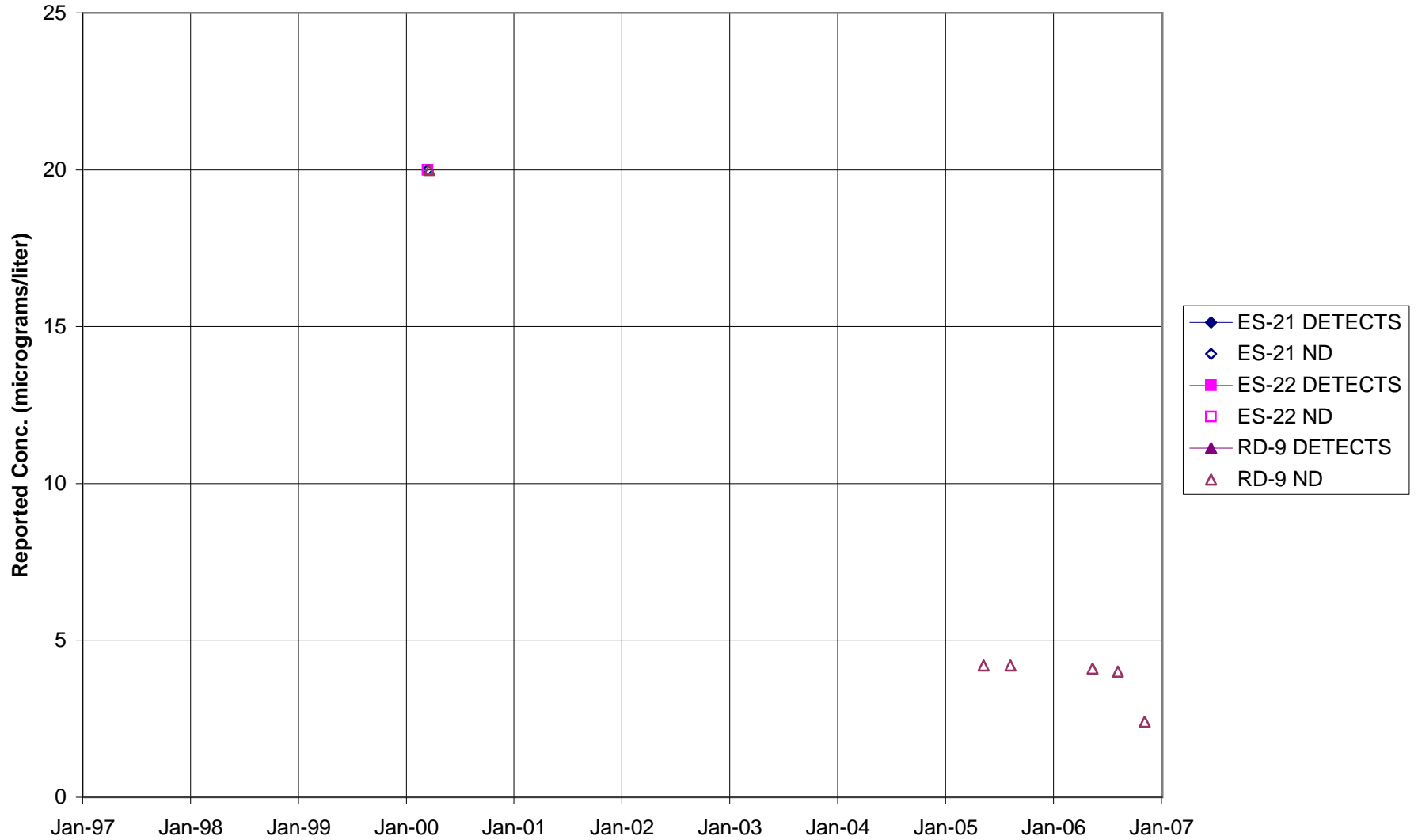


FIGURE F-247. NITROBENZENE in HELIPORT, B/204 AREA WELLS

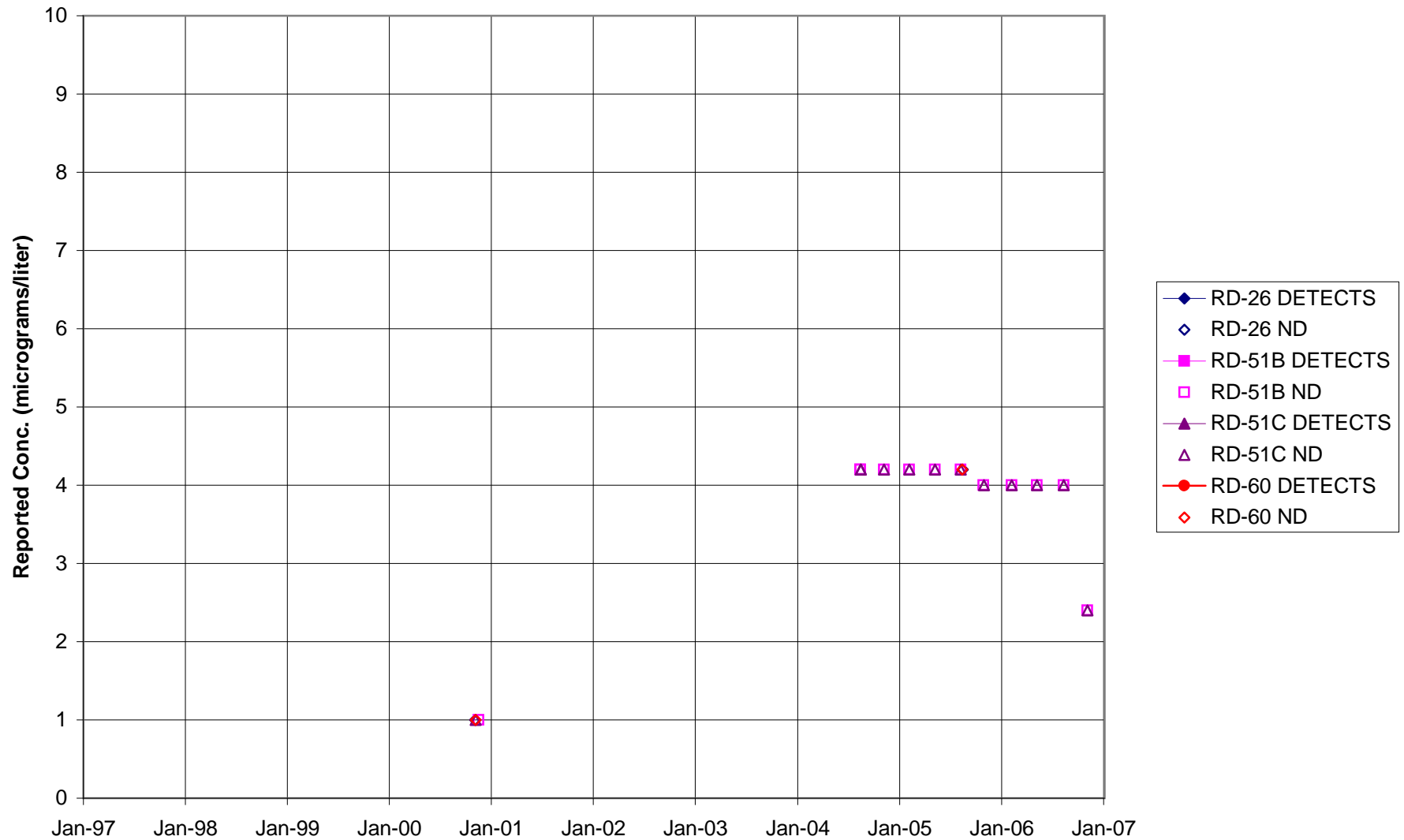


FIGURE F-248. NITROBENZENE in ALFA / BRAVO AREA WELLS

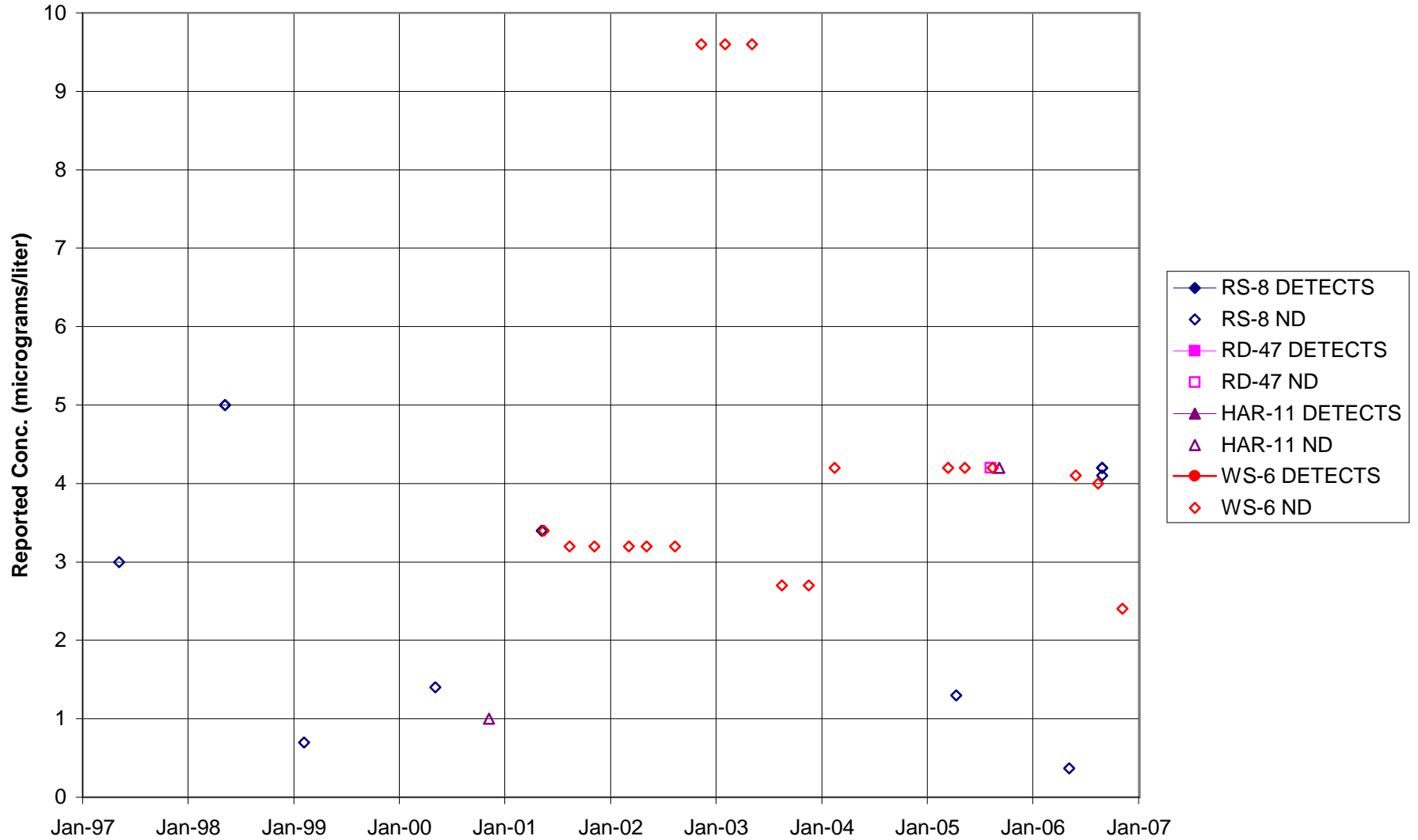


FIGURE F-249. NITROBENZENE in SPA AREA WELLS

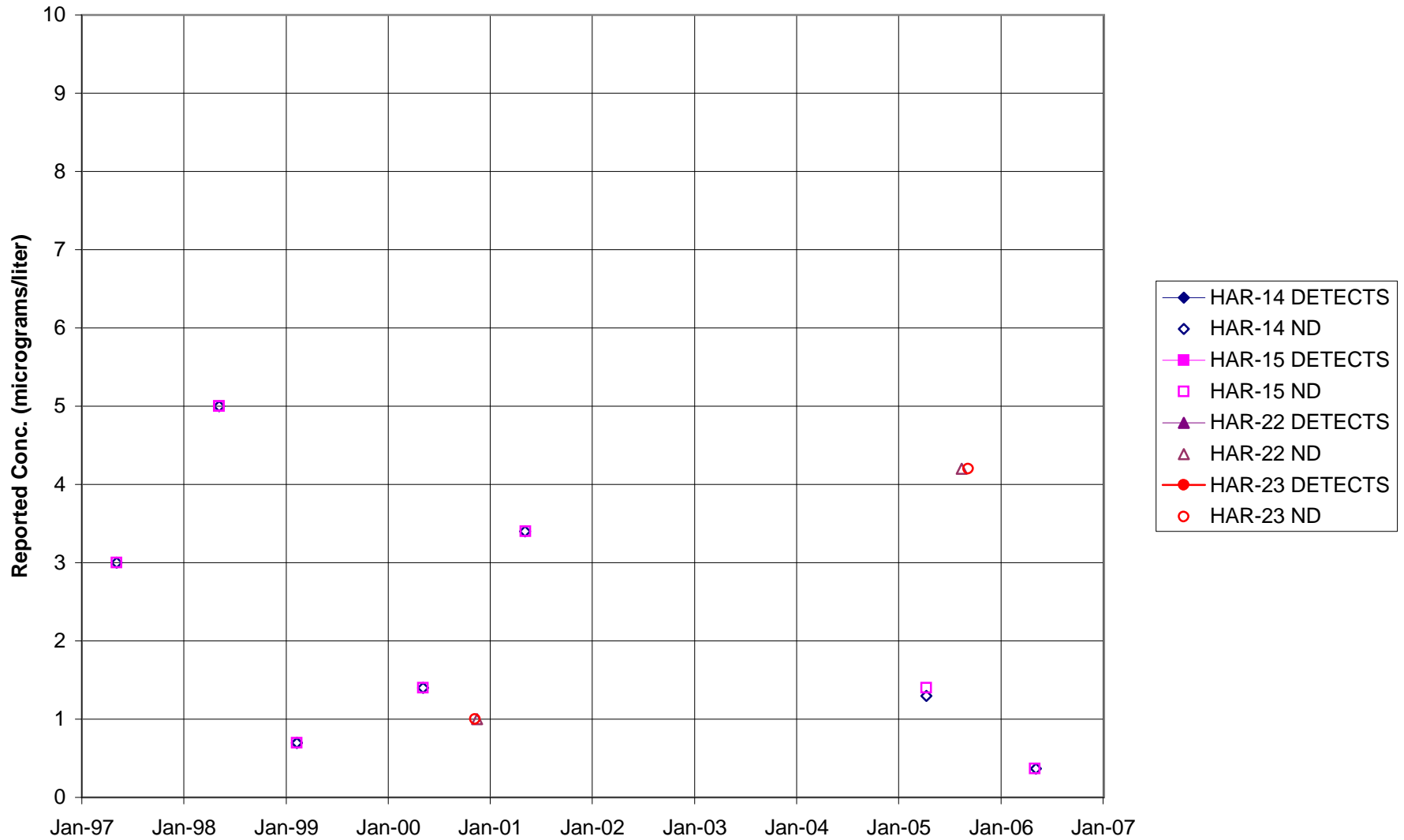


FIGURE F-250. NITROBENZENE in COCA / PLF AREA WELLS

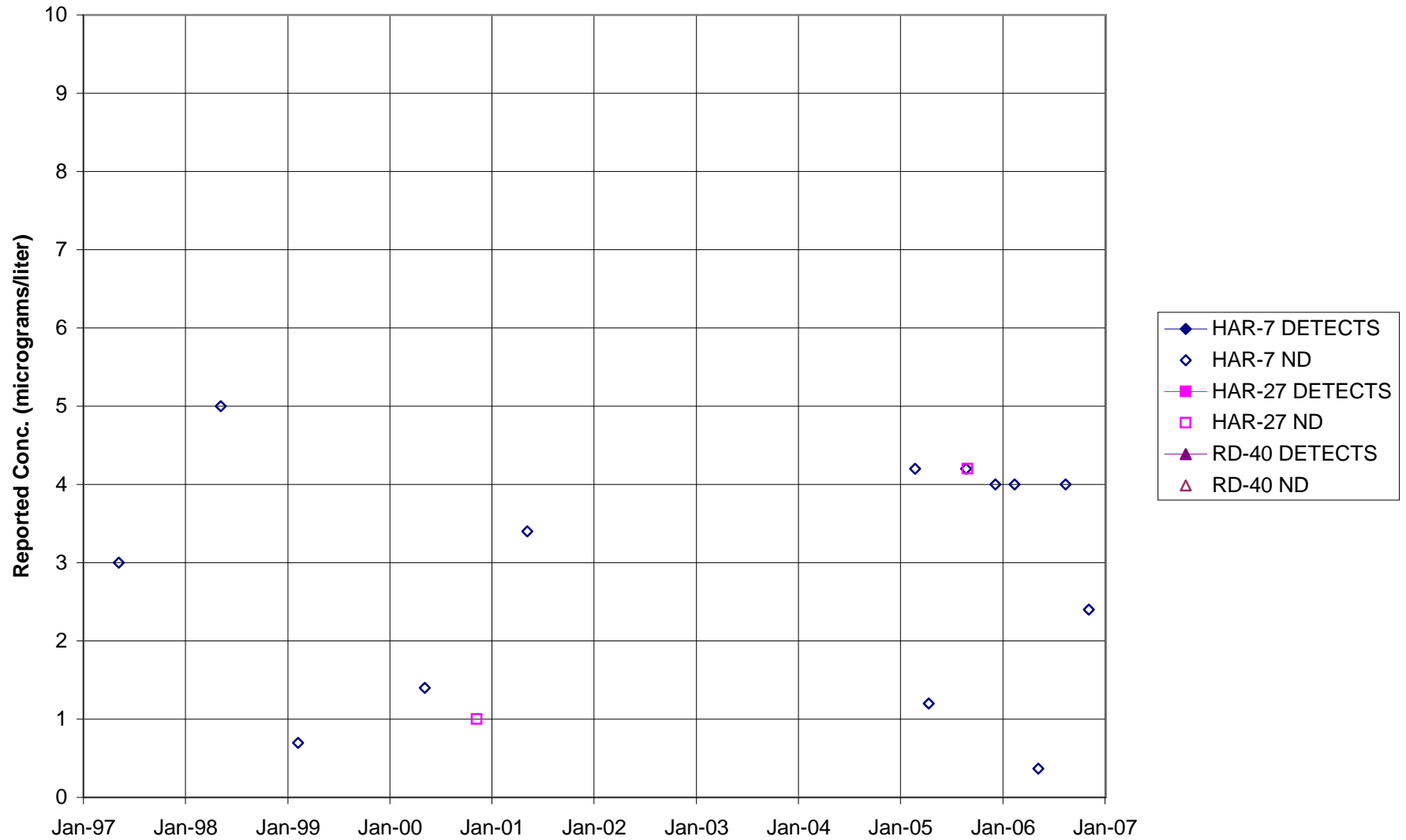


FIGURE F-251. NITROBENZENE in DELTA / BUFFER ZONE AREA WELLS

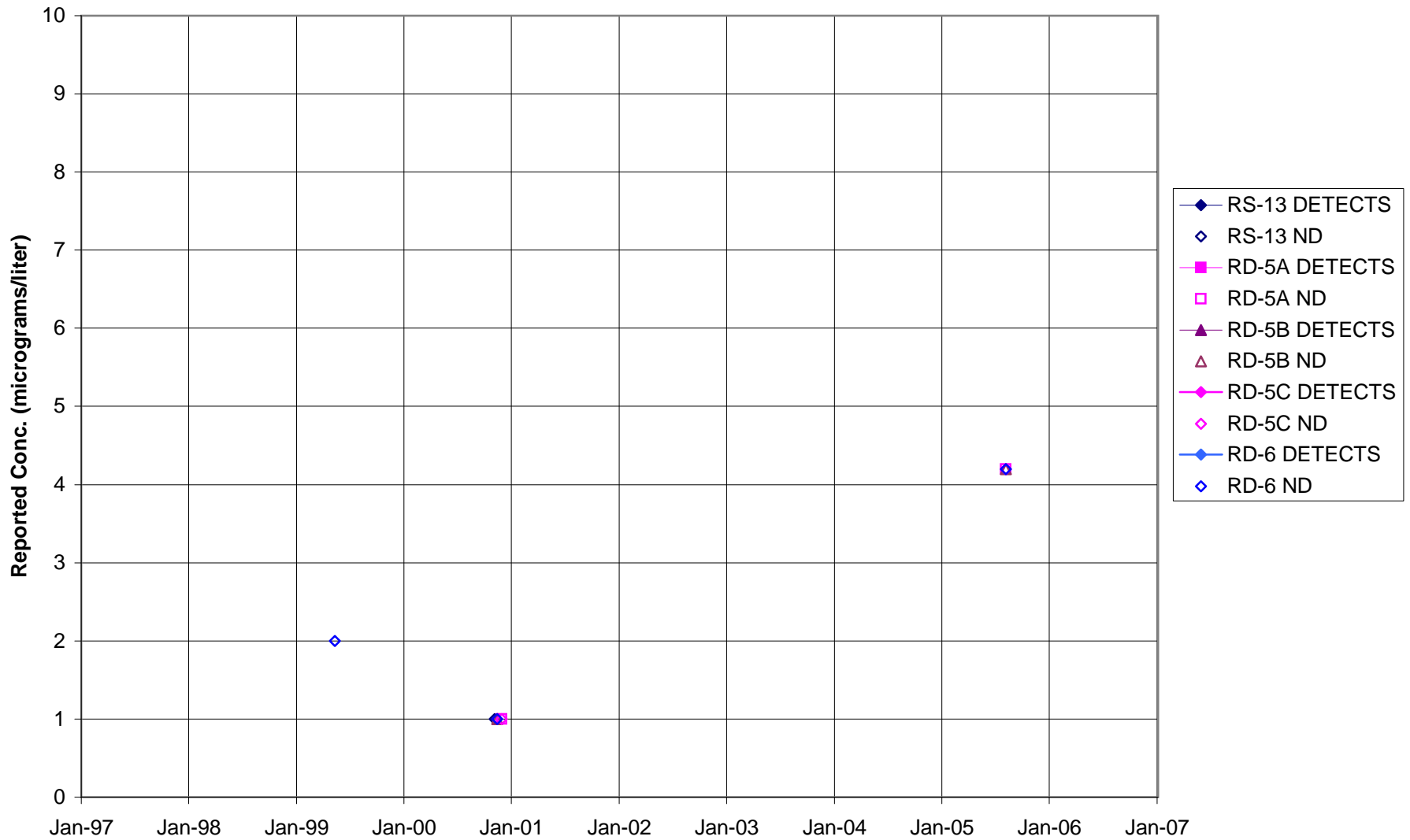


FIGURE F-252. NITROBENZENE in AREA IV WELLS

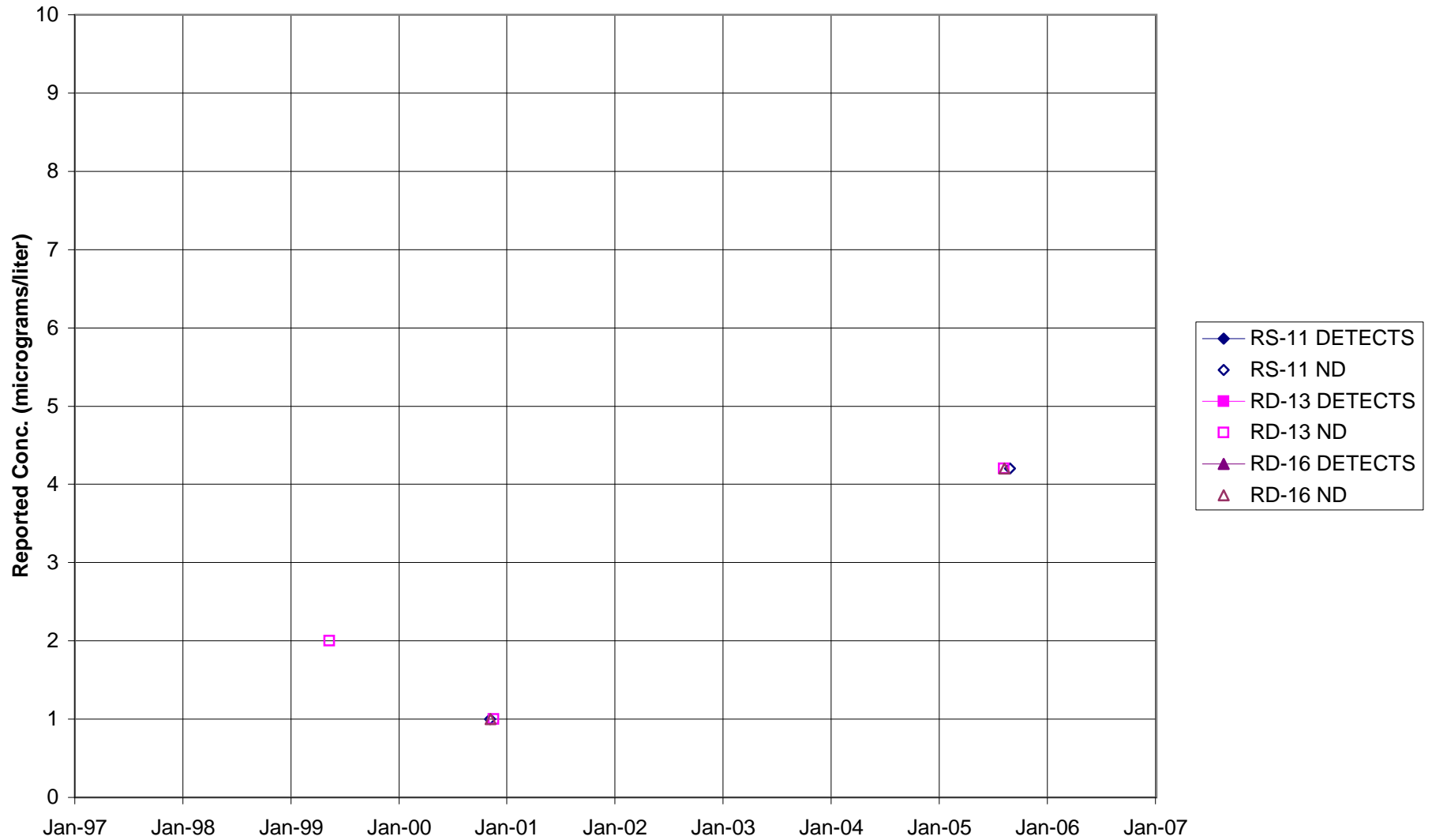


FIGURE F-253. NDMA in STL-IV AREA CHATSWORTH FORMATION WELLS

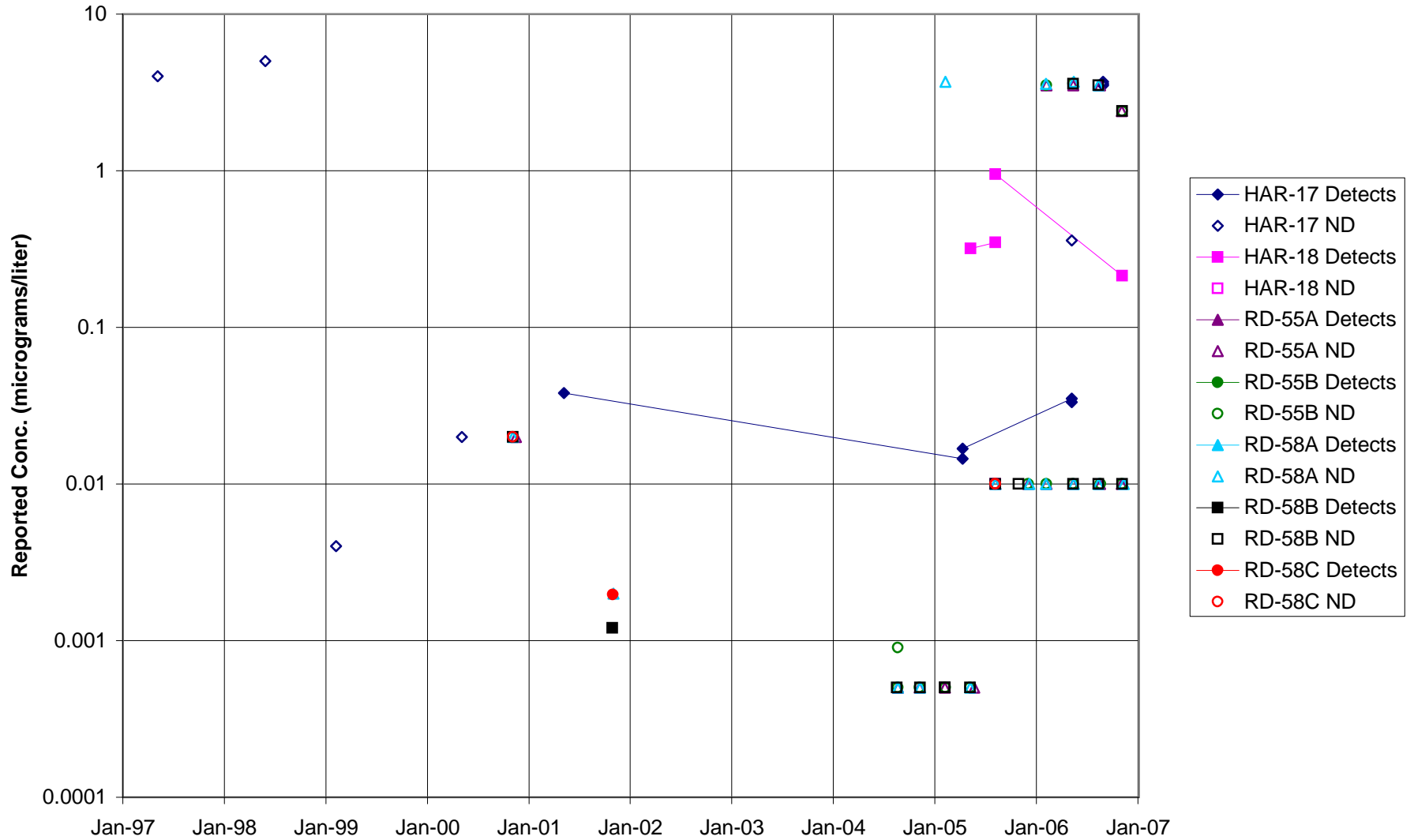


FIGURE F-254. NDMA in MAIN GATE AREA WELLS - 1

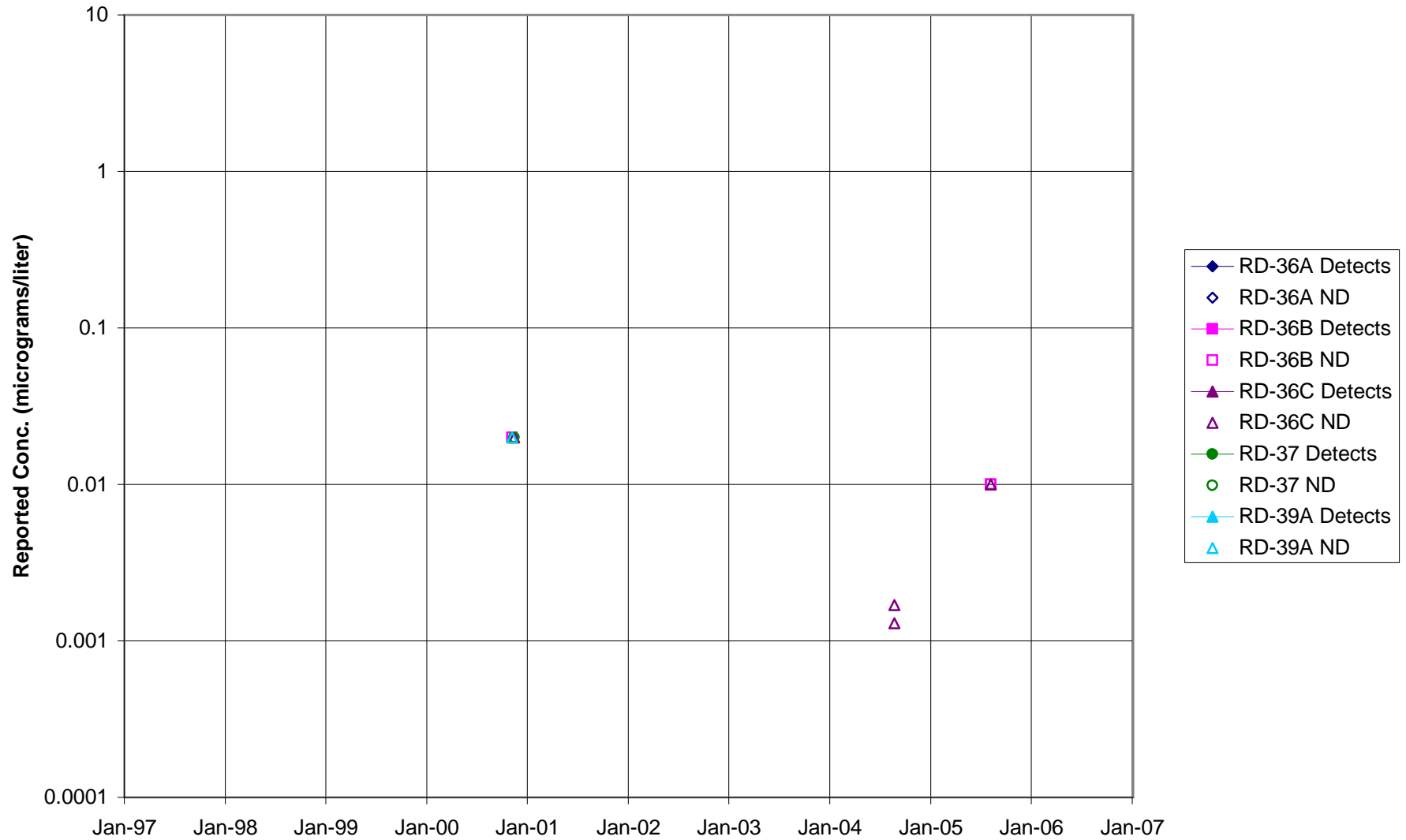


FIGURE F-255. NDMA in MAIN GATE AREA WELLS - 2

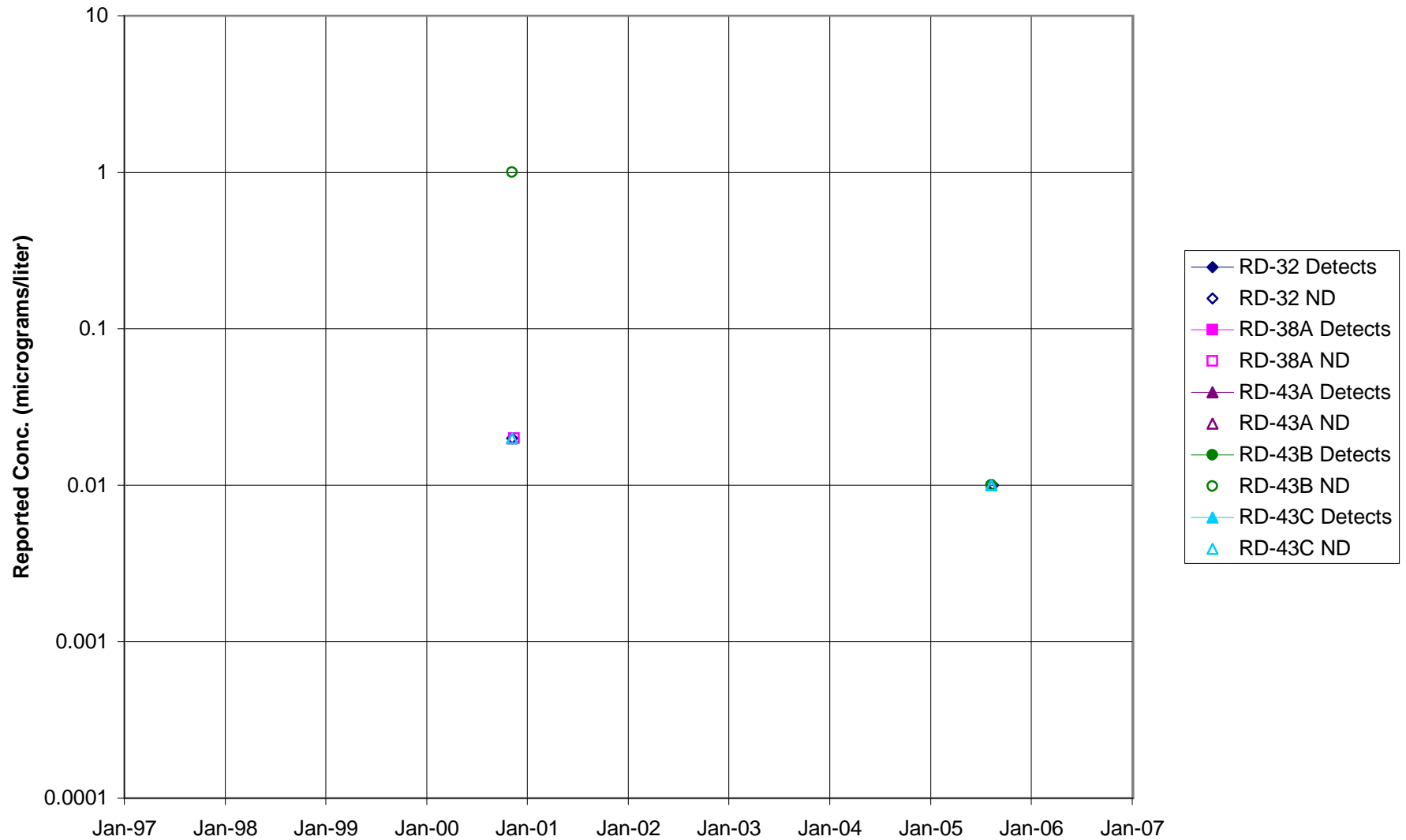


FIGURE F-256. NDMA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

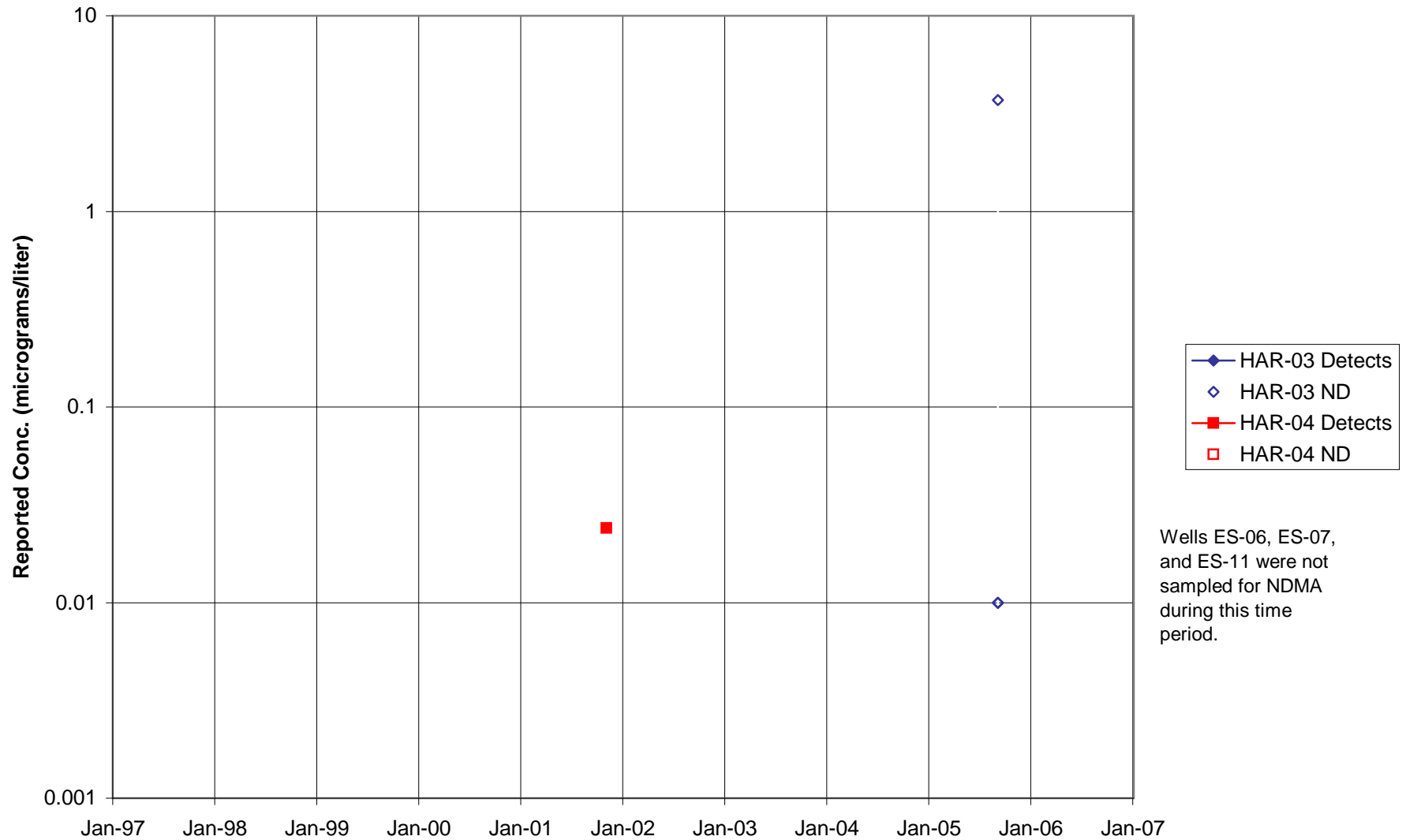


FIGURE F-257. NDMA in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

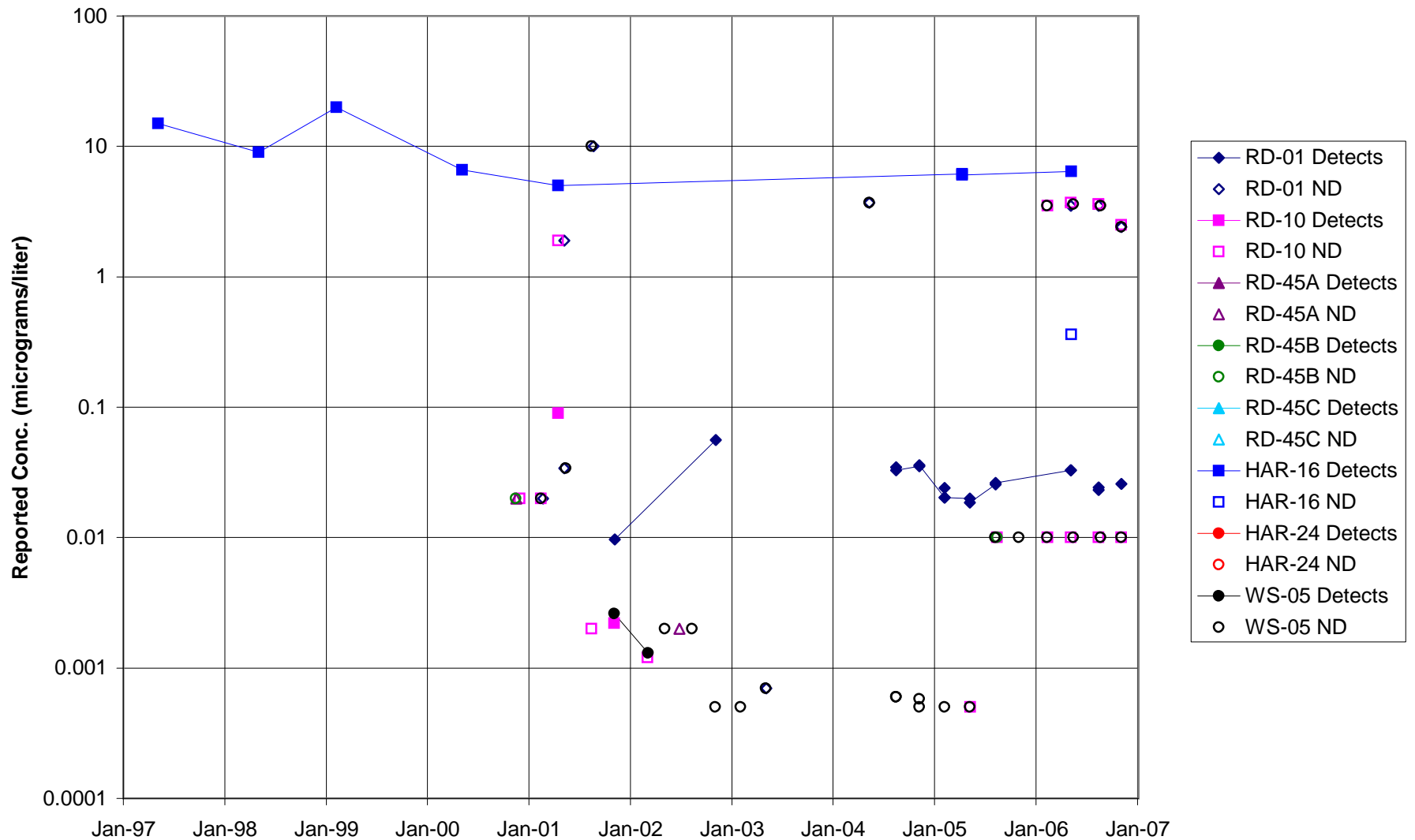


FIGURE F-258. NDMA in CTL-III / PERIMETER POND AREA WELLS

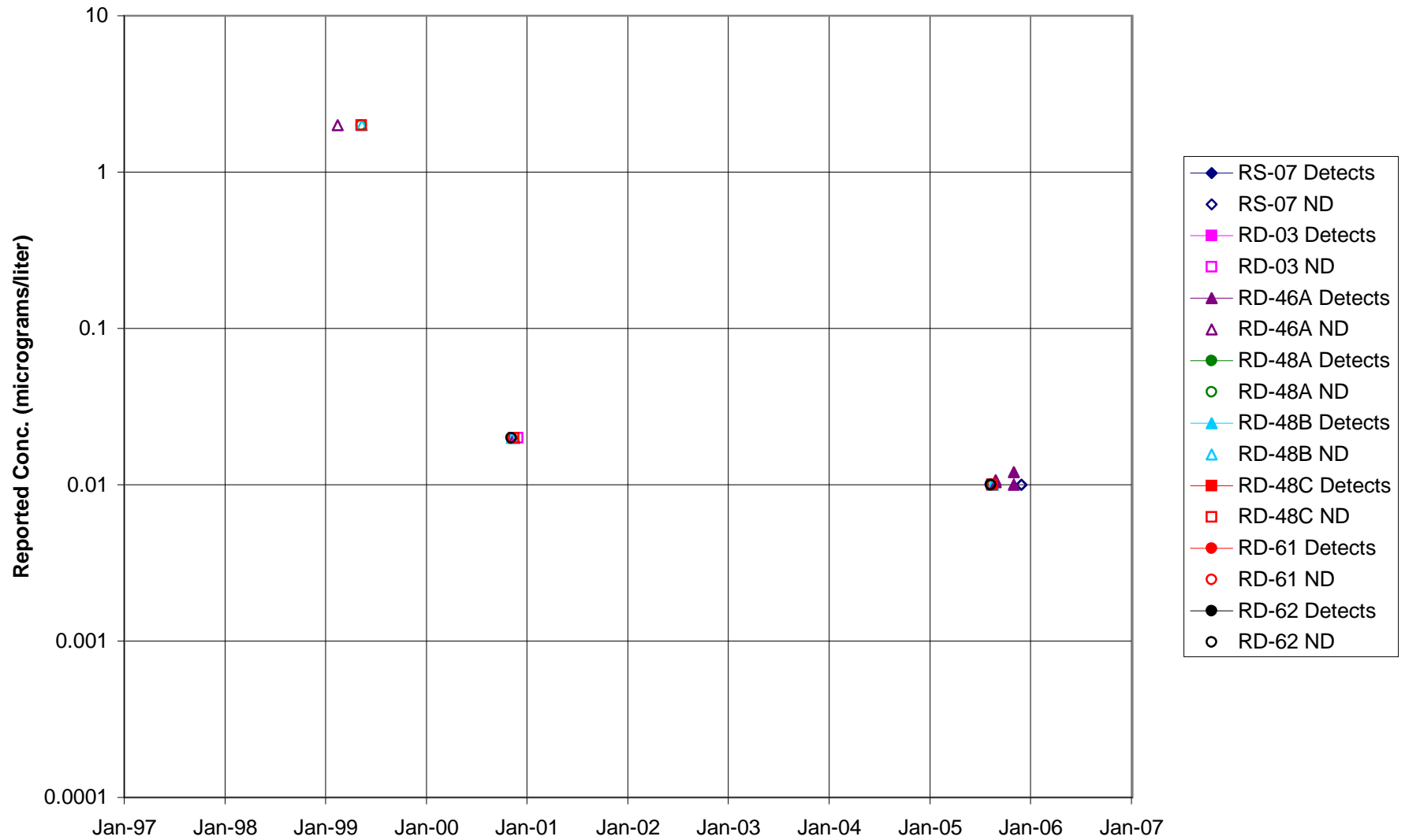


FIGURE F-260. NDMA in ECL AREA WELLS

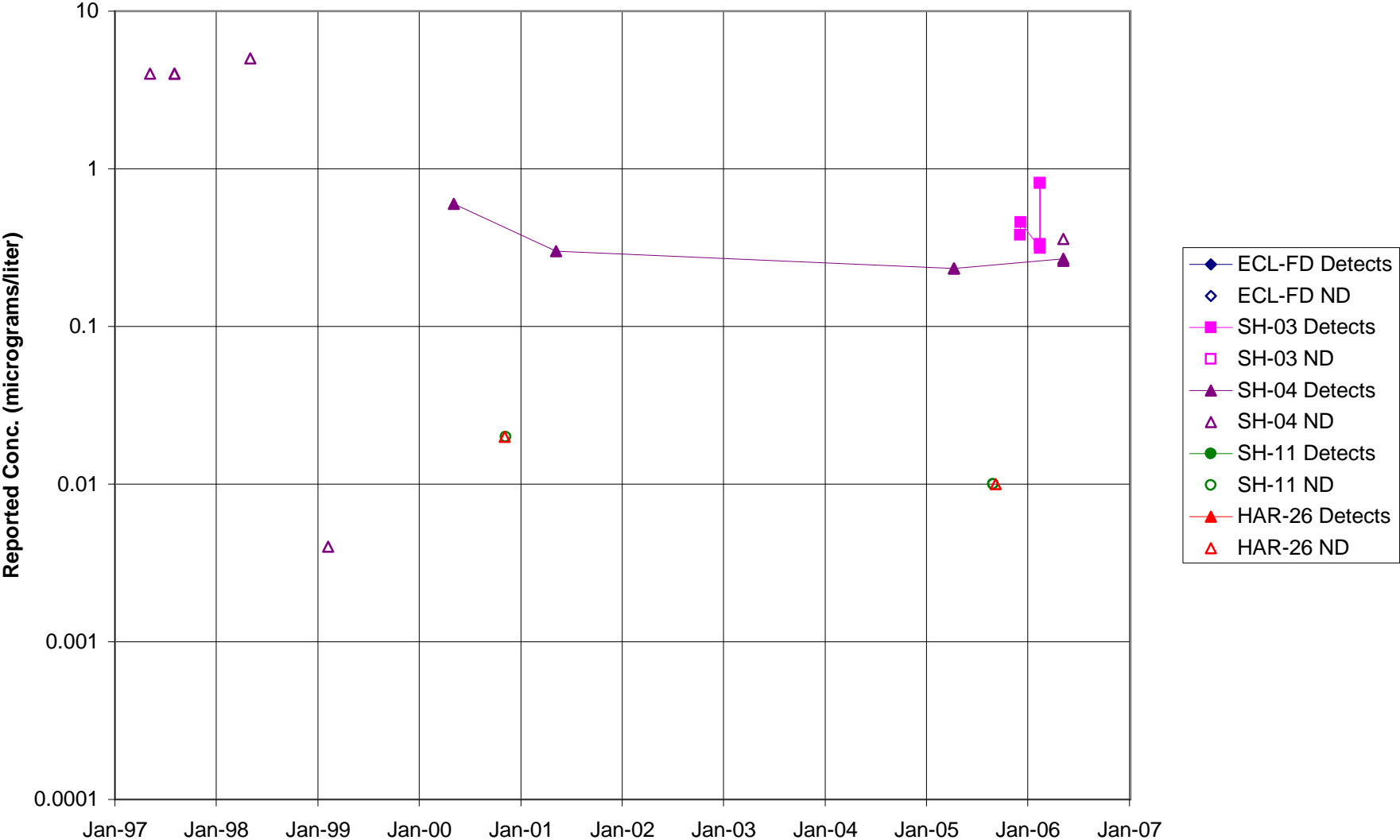


FIGURE F-261. NDMA in FORMER LOX PLANT AREA WELLS

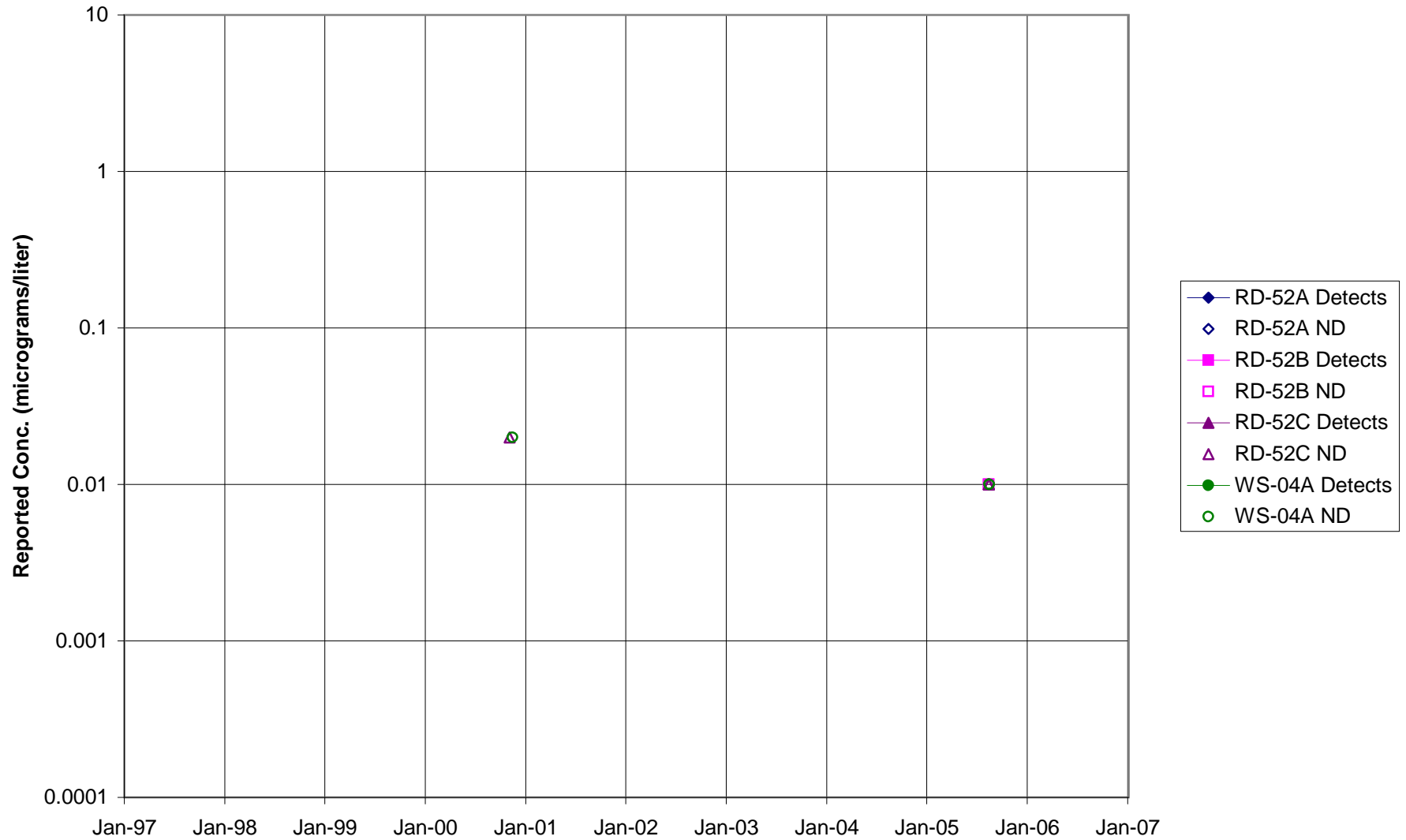


FIGURE F-262. NDMA in RD-09 AREA WELLS

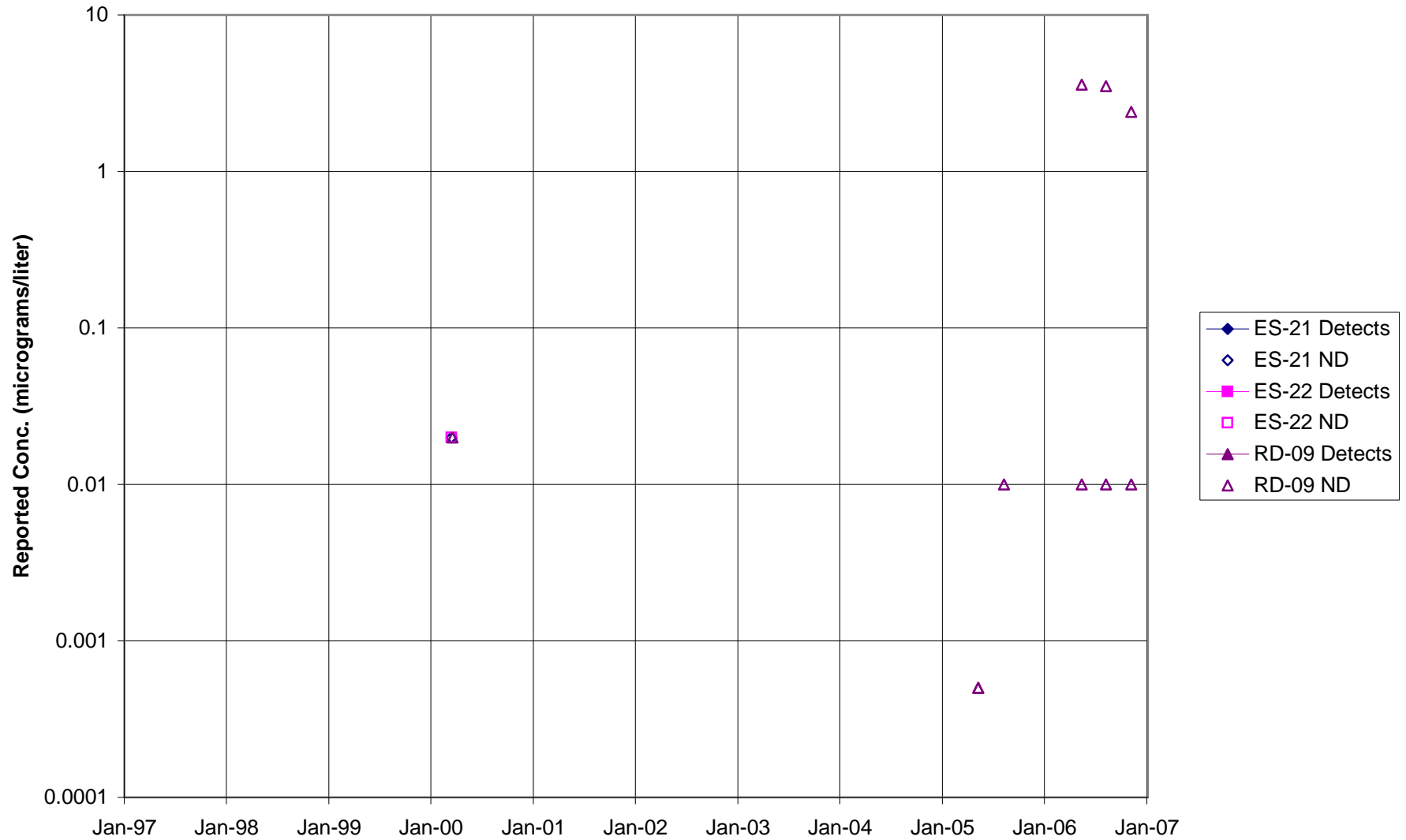


FIGURE F-263. NDMA in HELIPORT, B/204 AREA WELLS

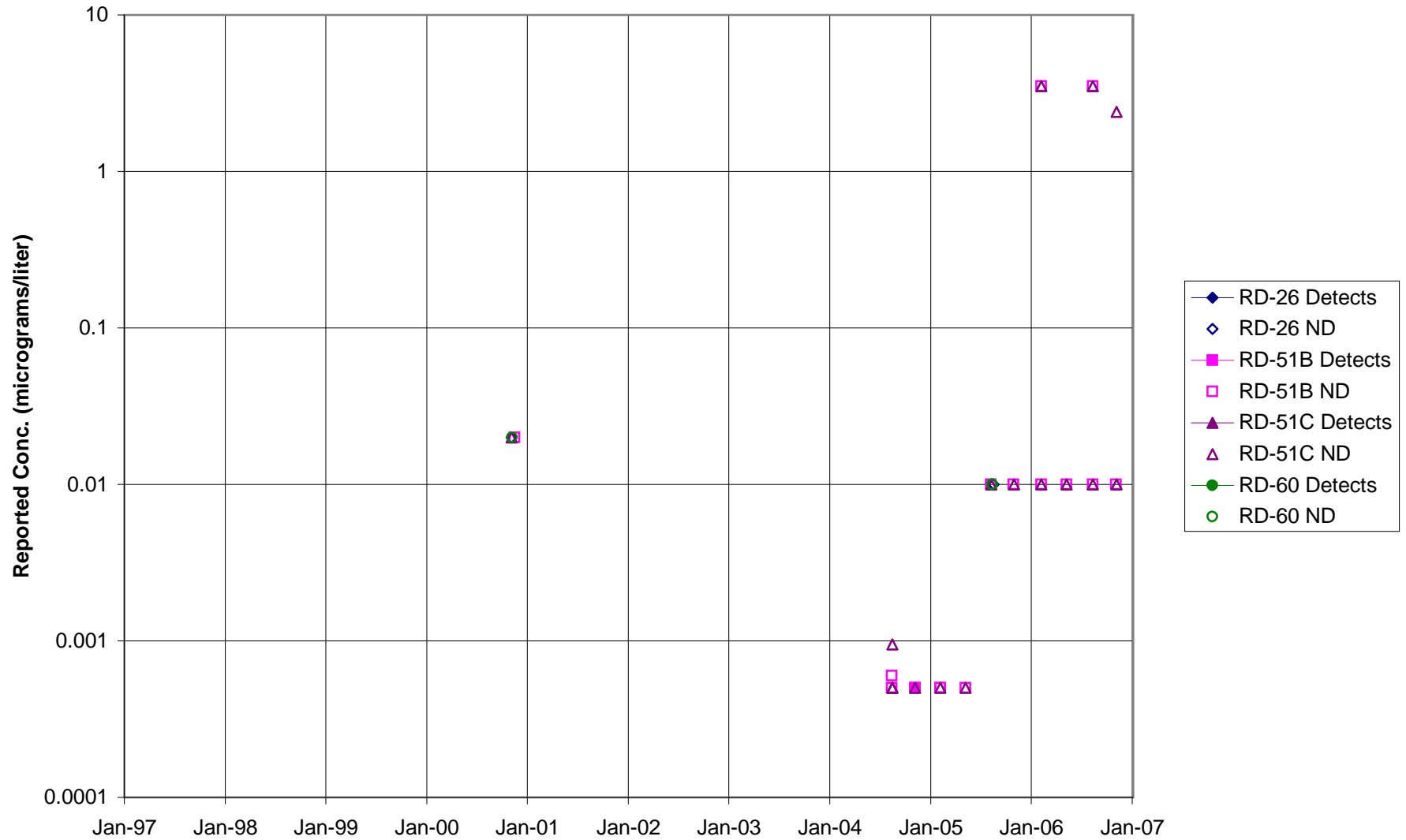


FIGURE F-264. NDMA in ALFA / BRAVO AREA WELLS

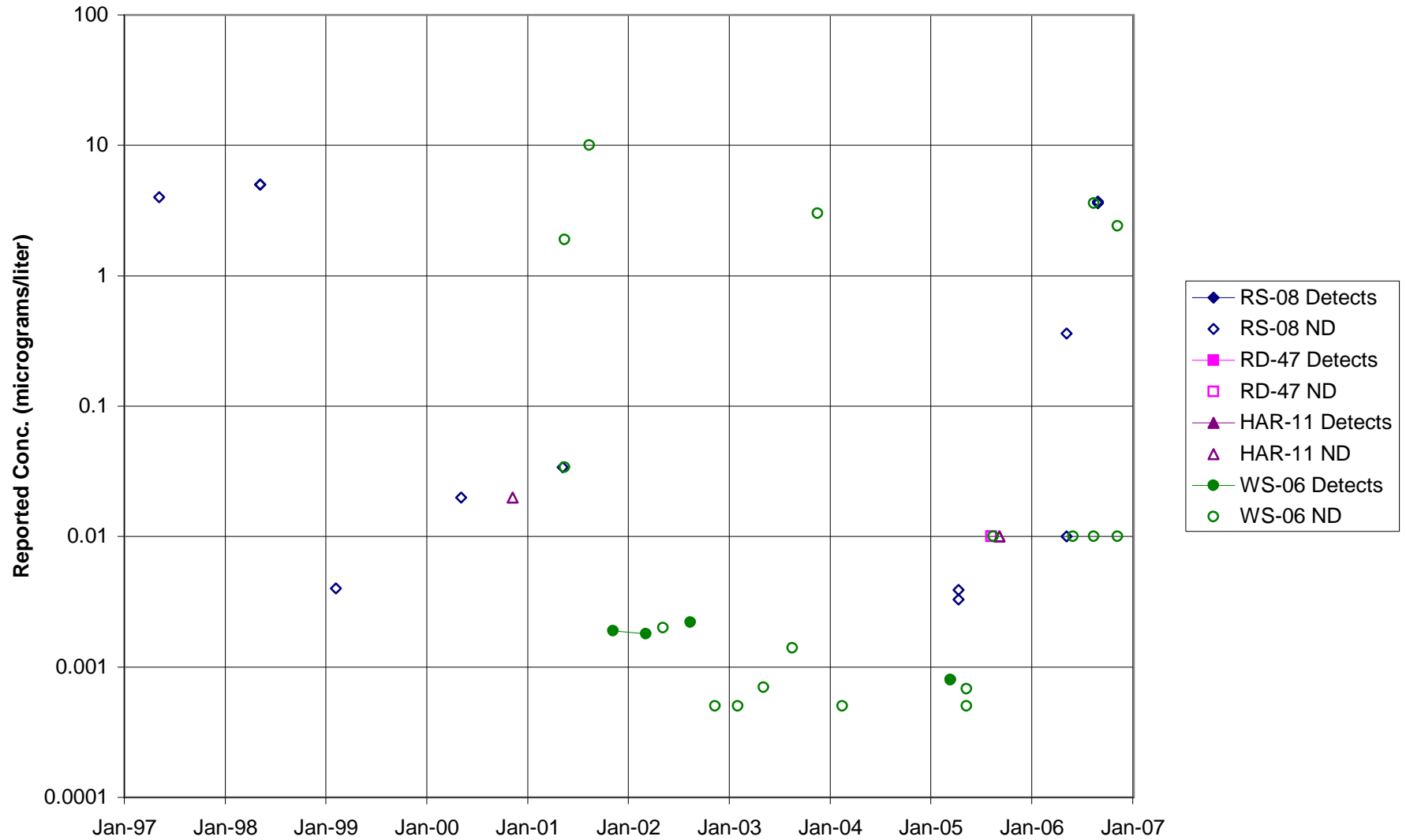


FIGURE F-265. NDMA in SPA AREA WELLS

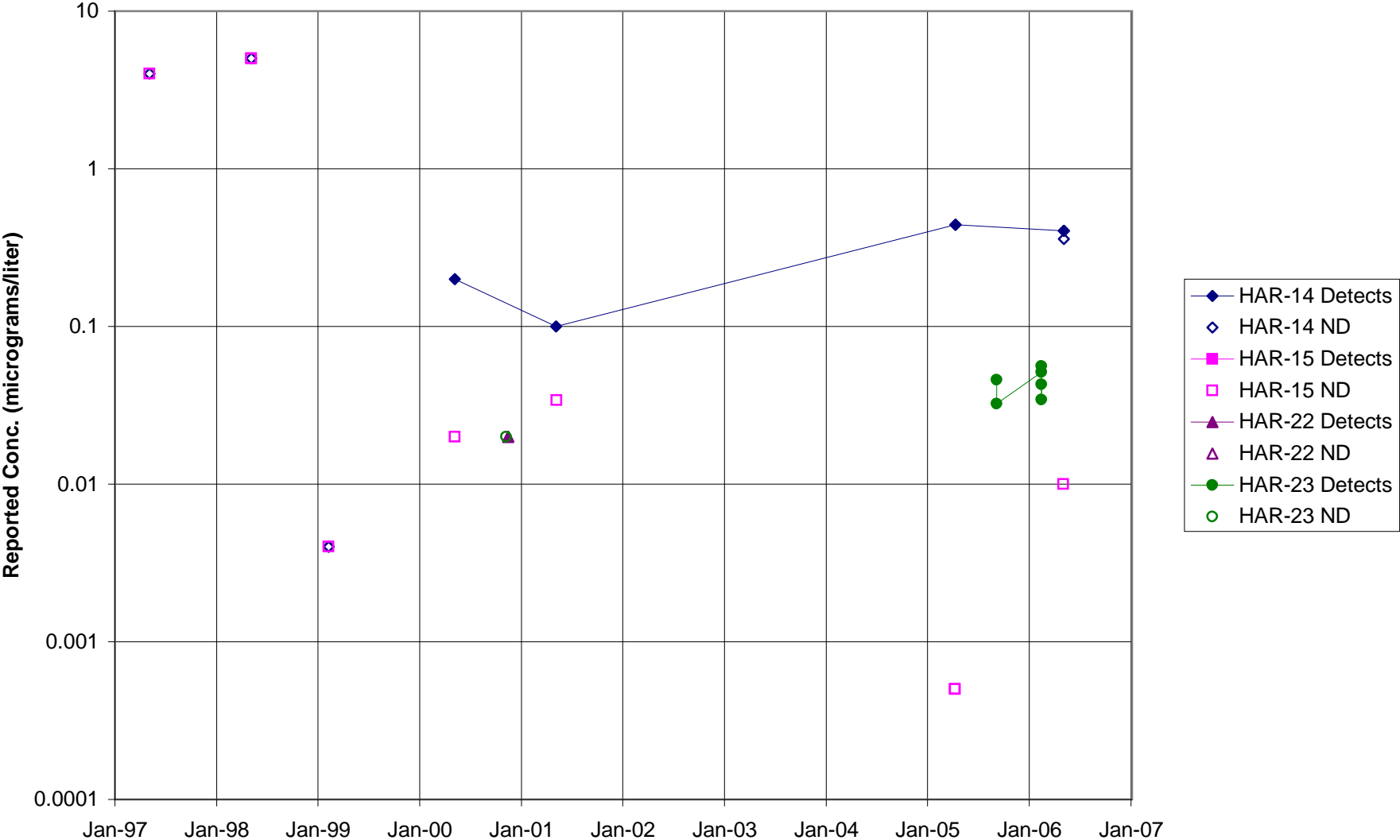


FIGURE F-267. NDMA in DELTA / BUFFER ZONE AREA WELLS

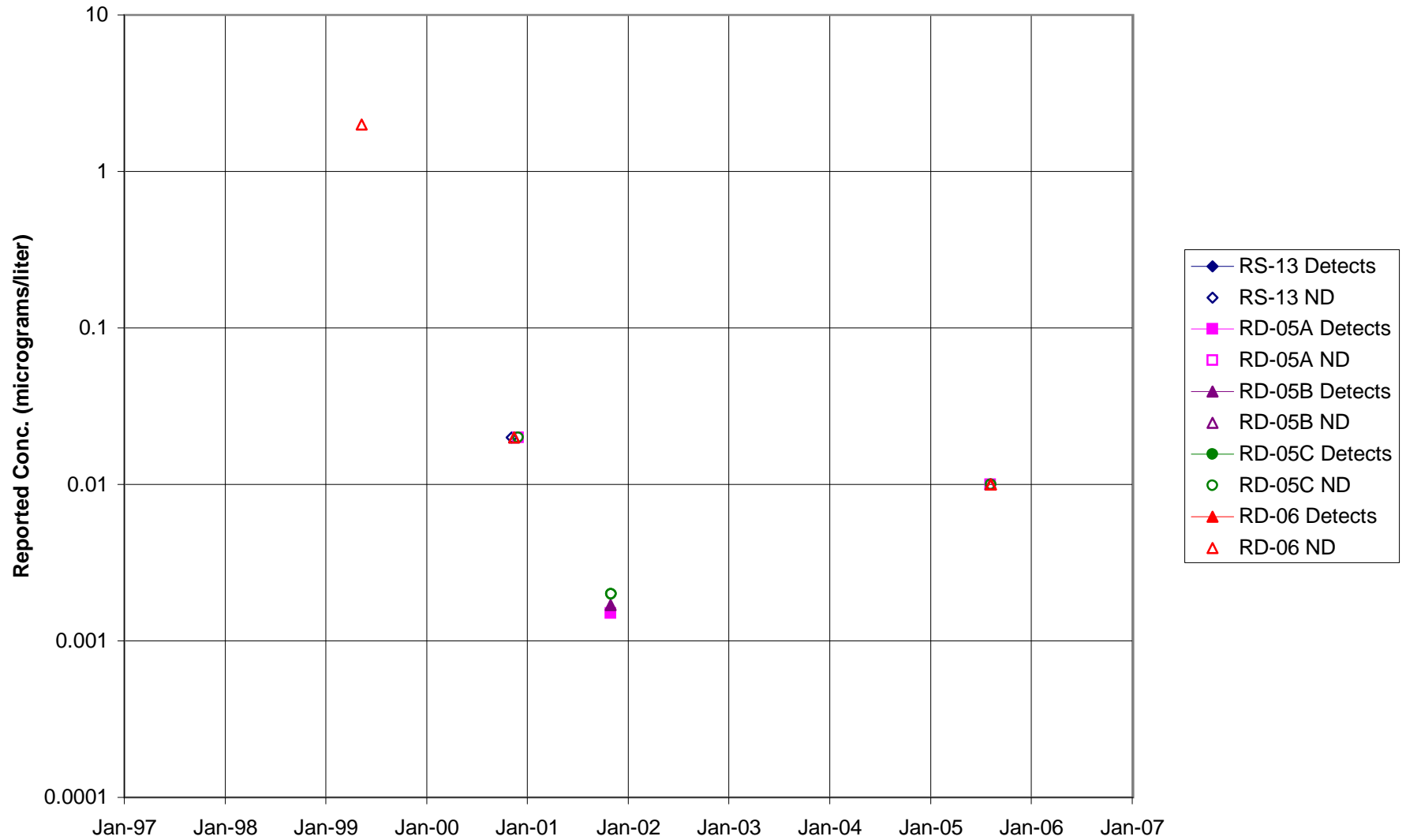


FIGURE F-268. NDMA in AREA IV WELLS

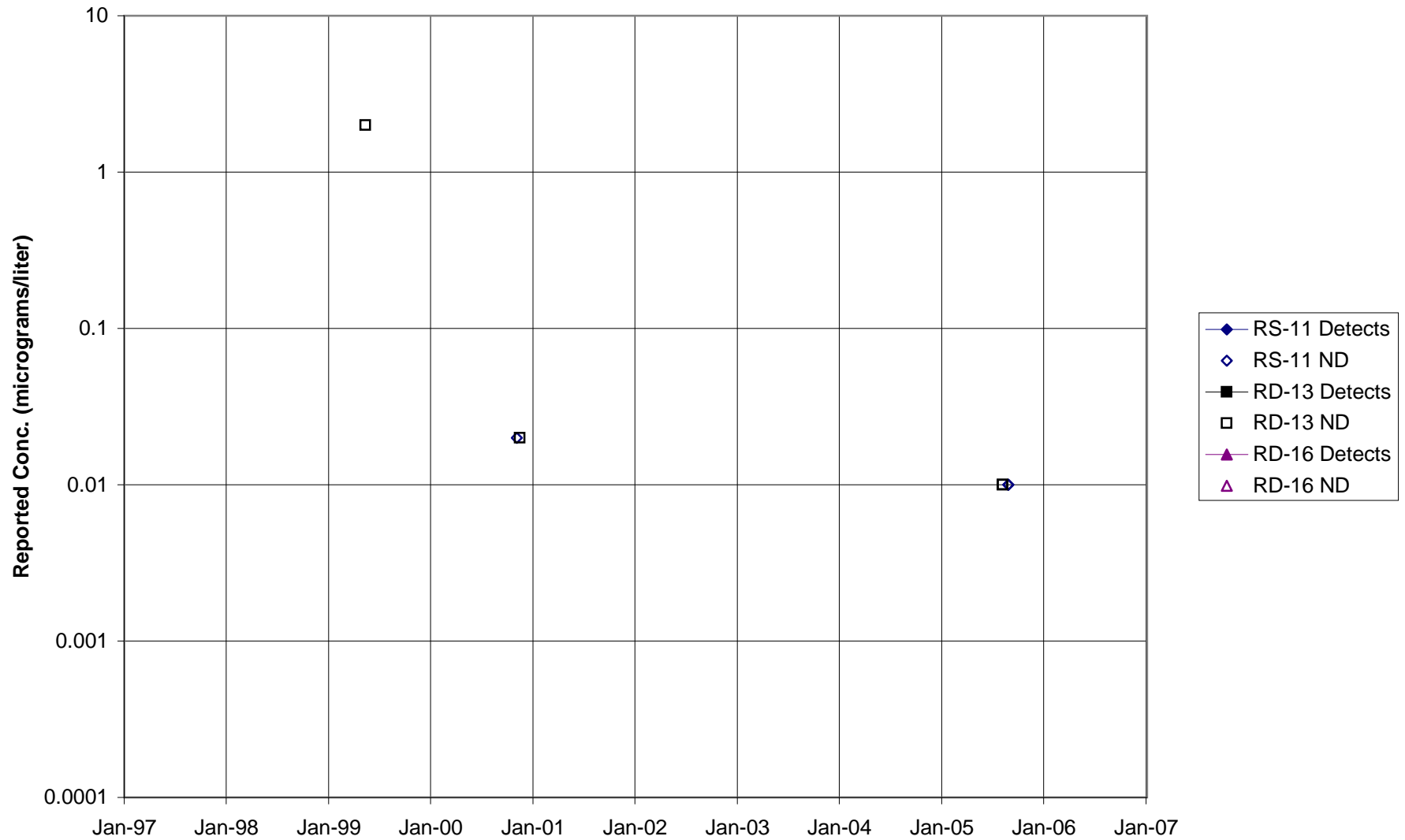


FIGURE F-269. PERCHLORATE in STL-IV AREA SHALLOW WELLS

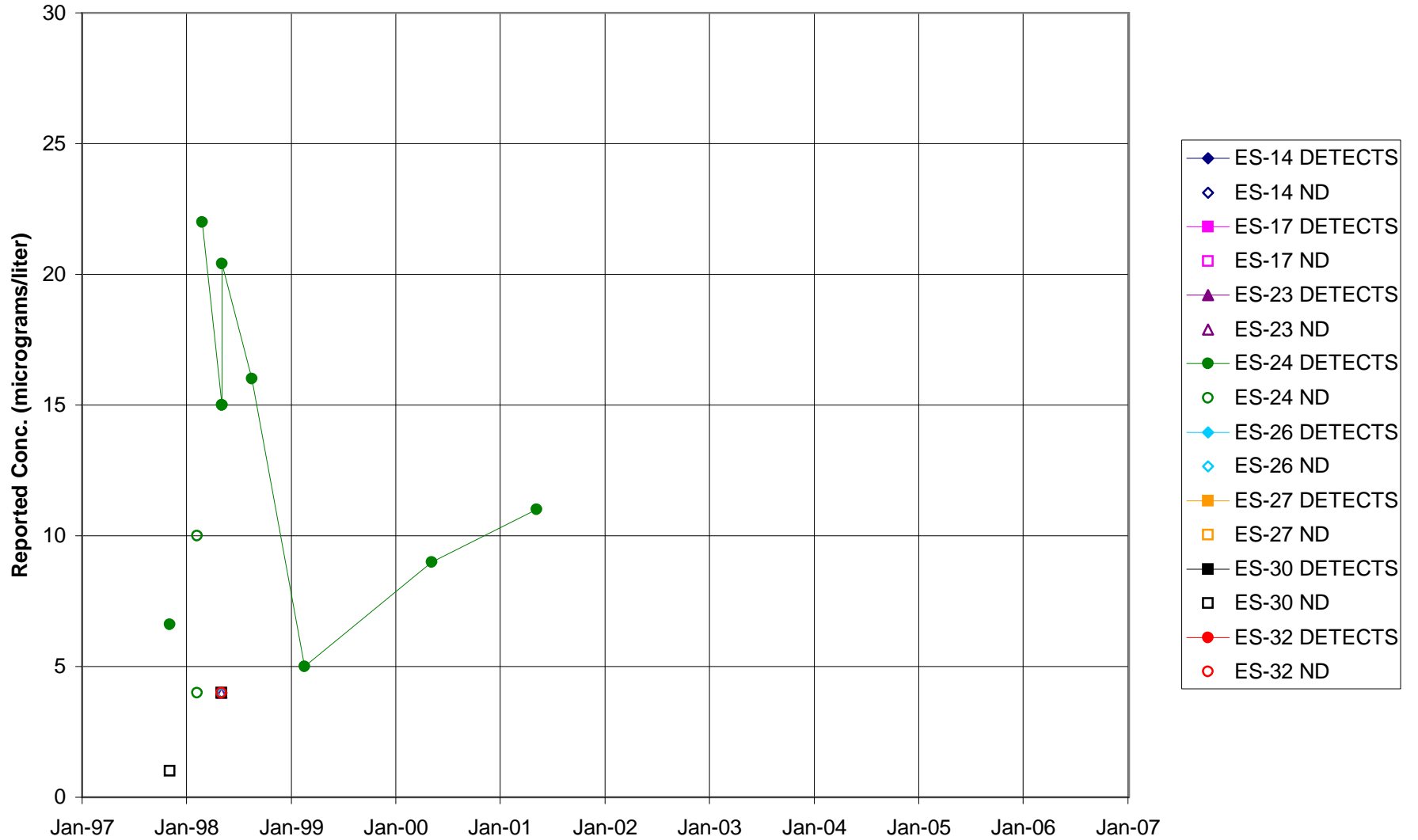


FIGURE F-271. PERCHLORATE in MAIN GATE AREA WELLS - 1

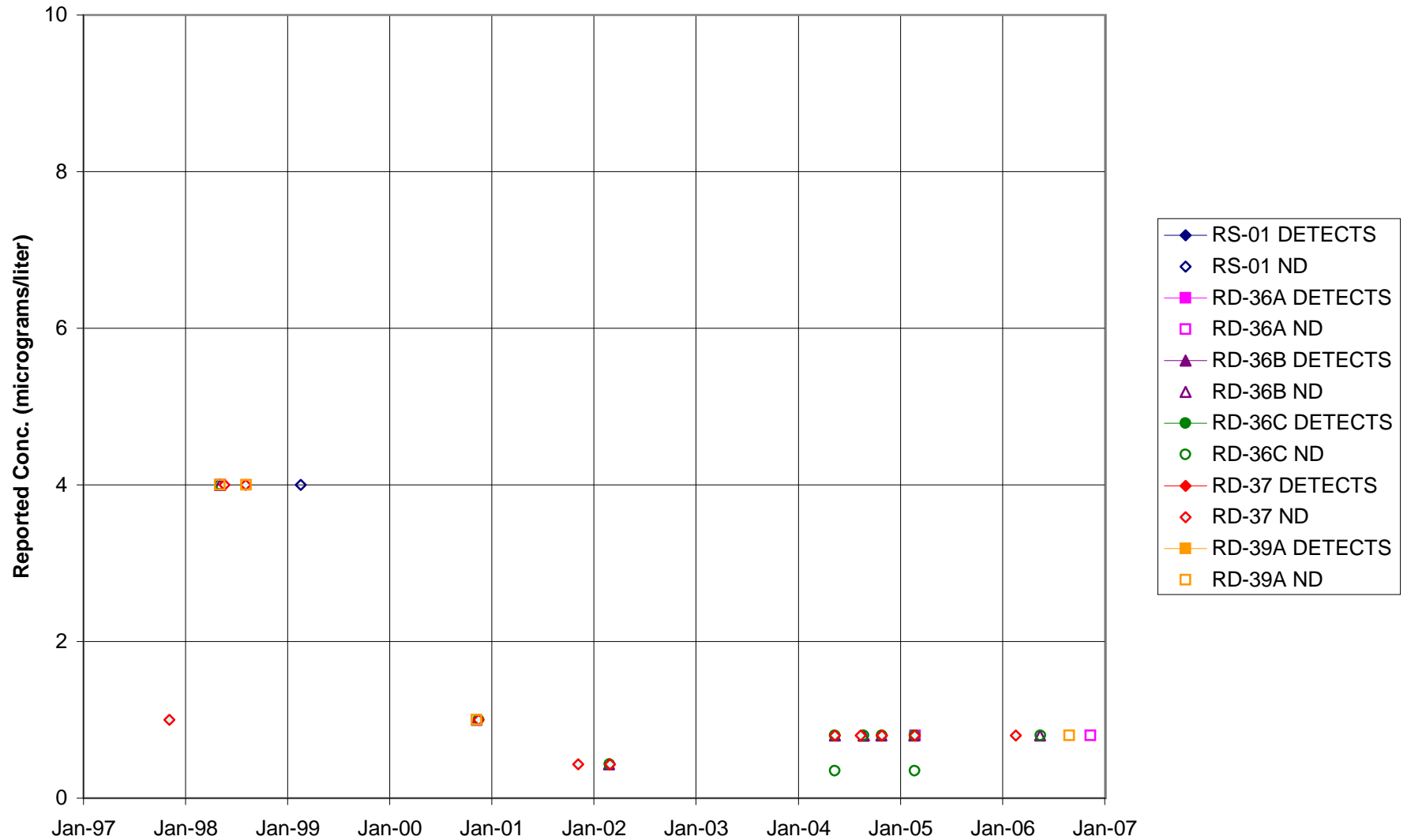


FIGURE F-272. PERCHLORATE in MAIN GATE AREA WELLS - 2

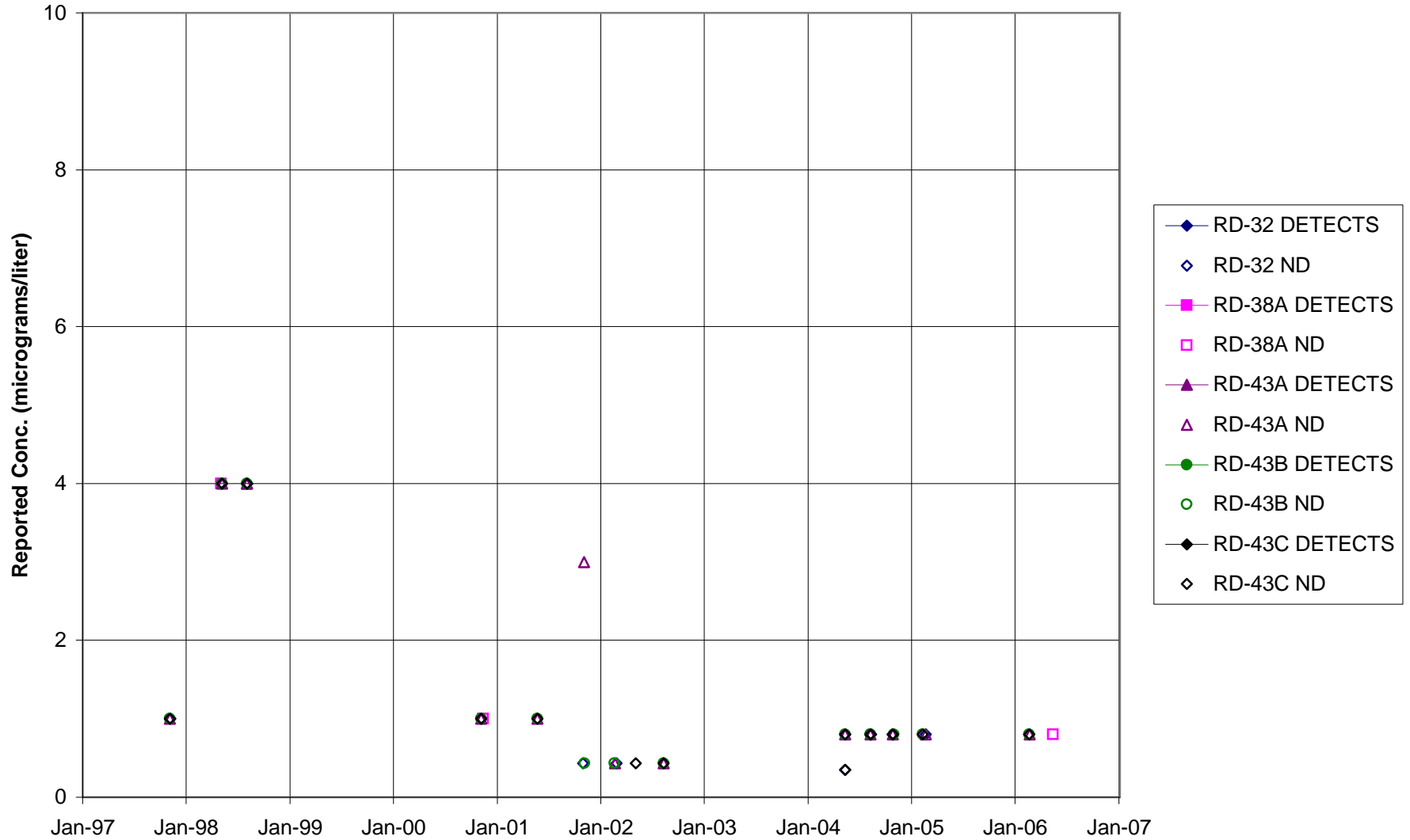


FIGURE F-273. PERCHLORATE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

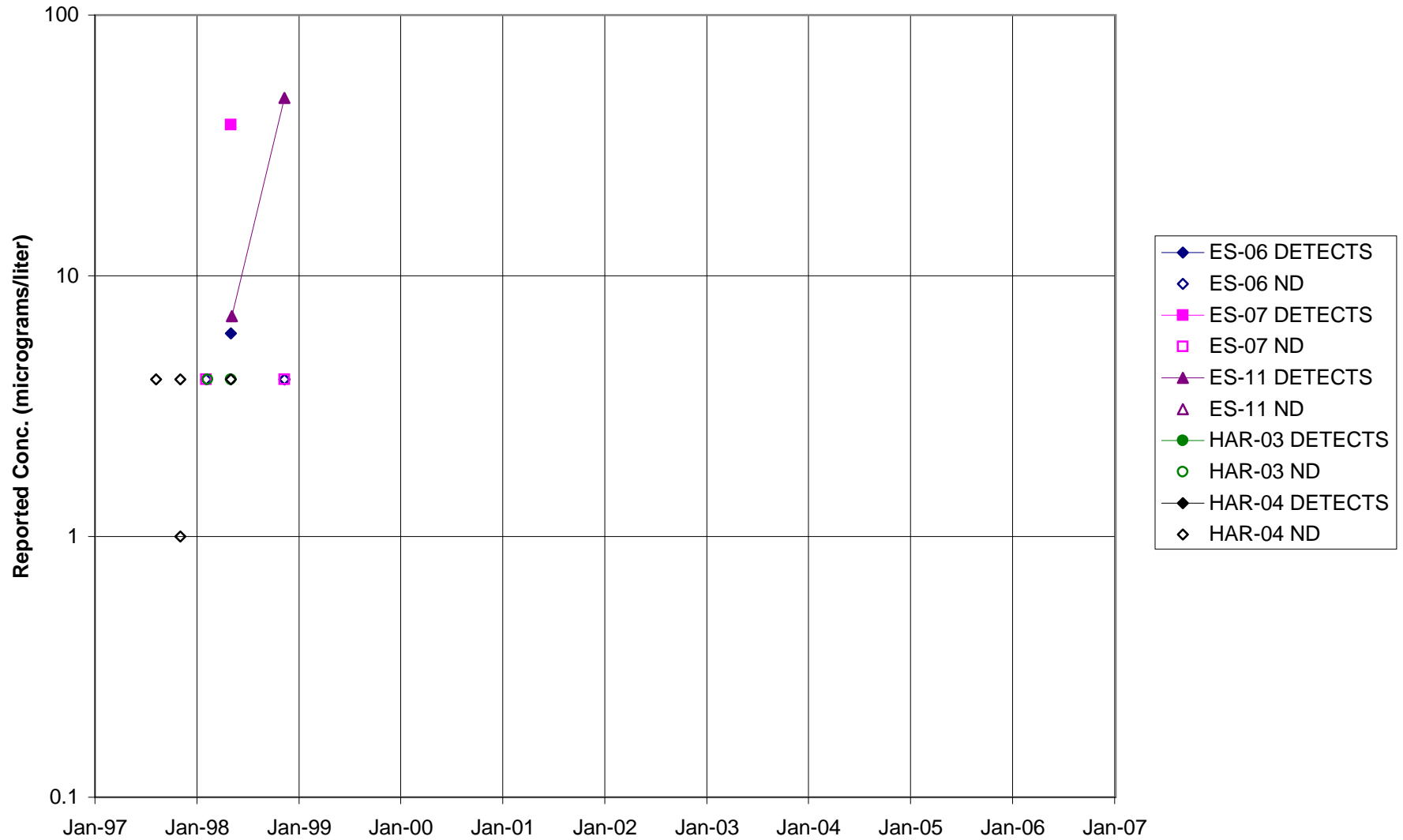


FIGURE F-274. PERCHLORATE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

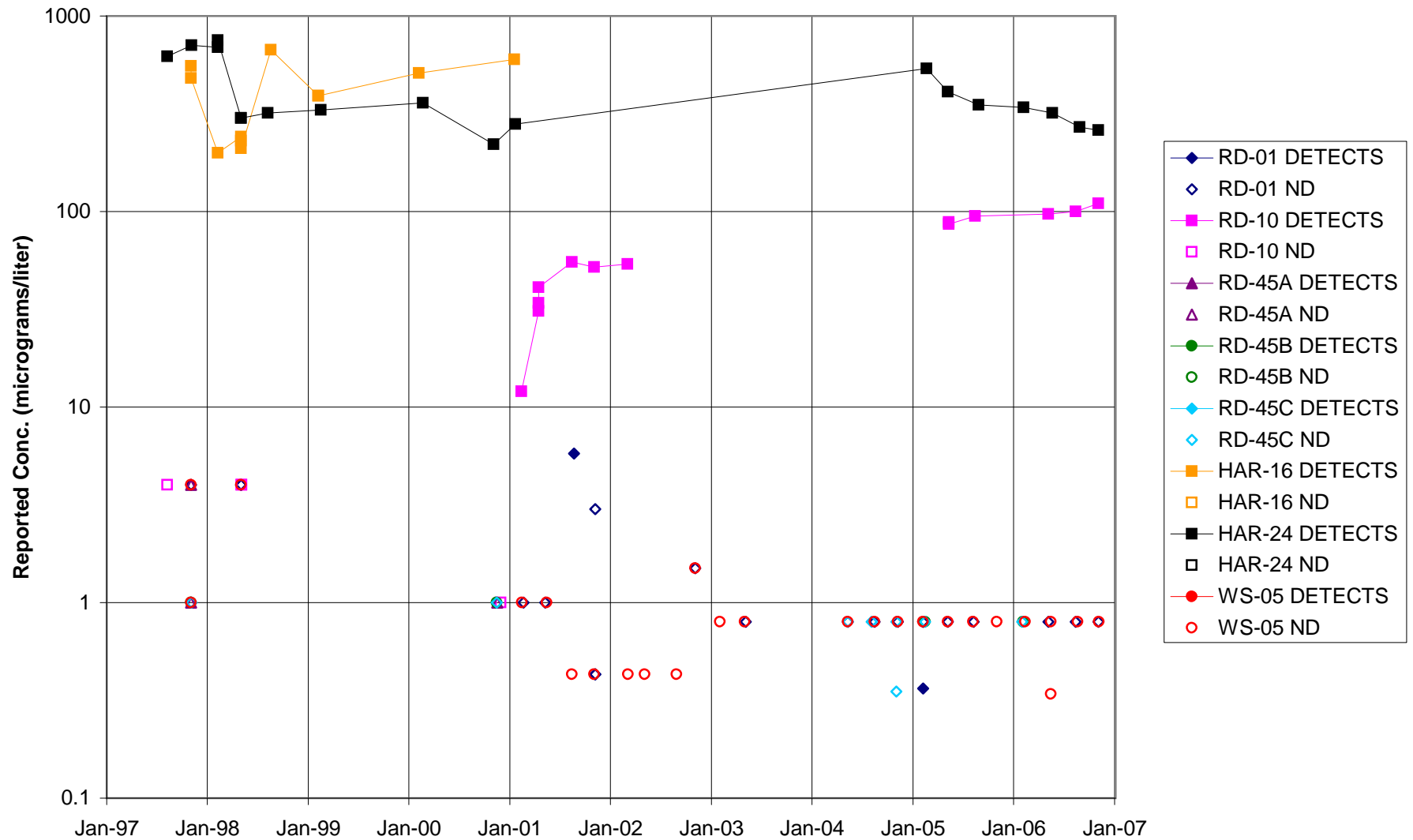


FIGURE F-275. PERCHLORATE in CTL-III / PERIMETER POND AREA WELLS

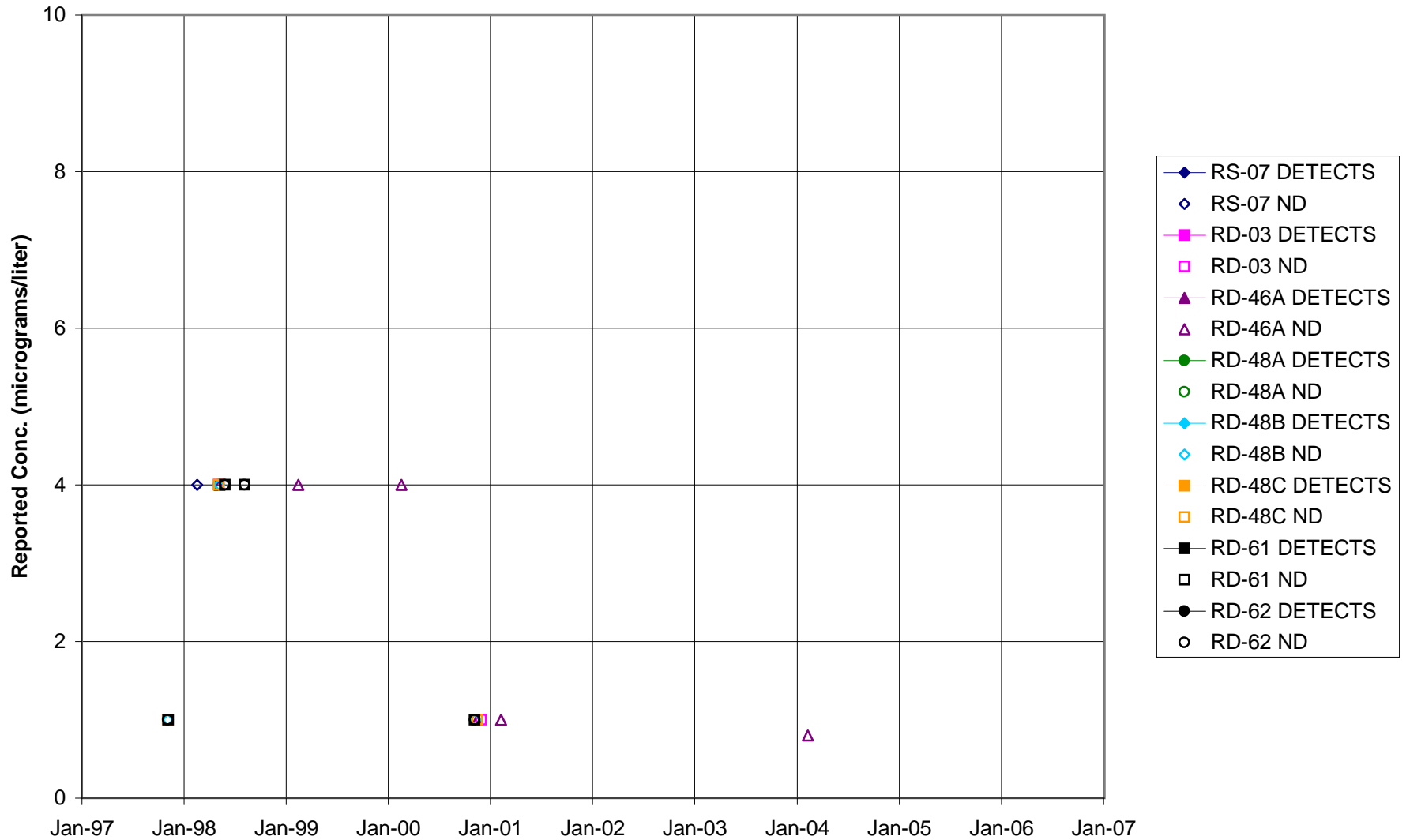


FIGURE F-276. PERCHLORATE in BOWL AREA WELLS

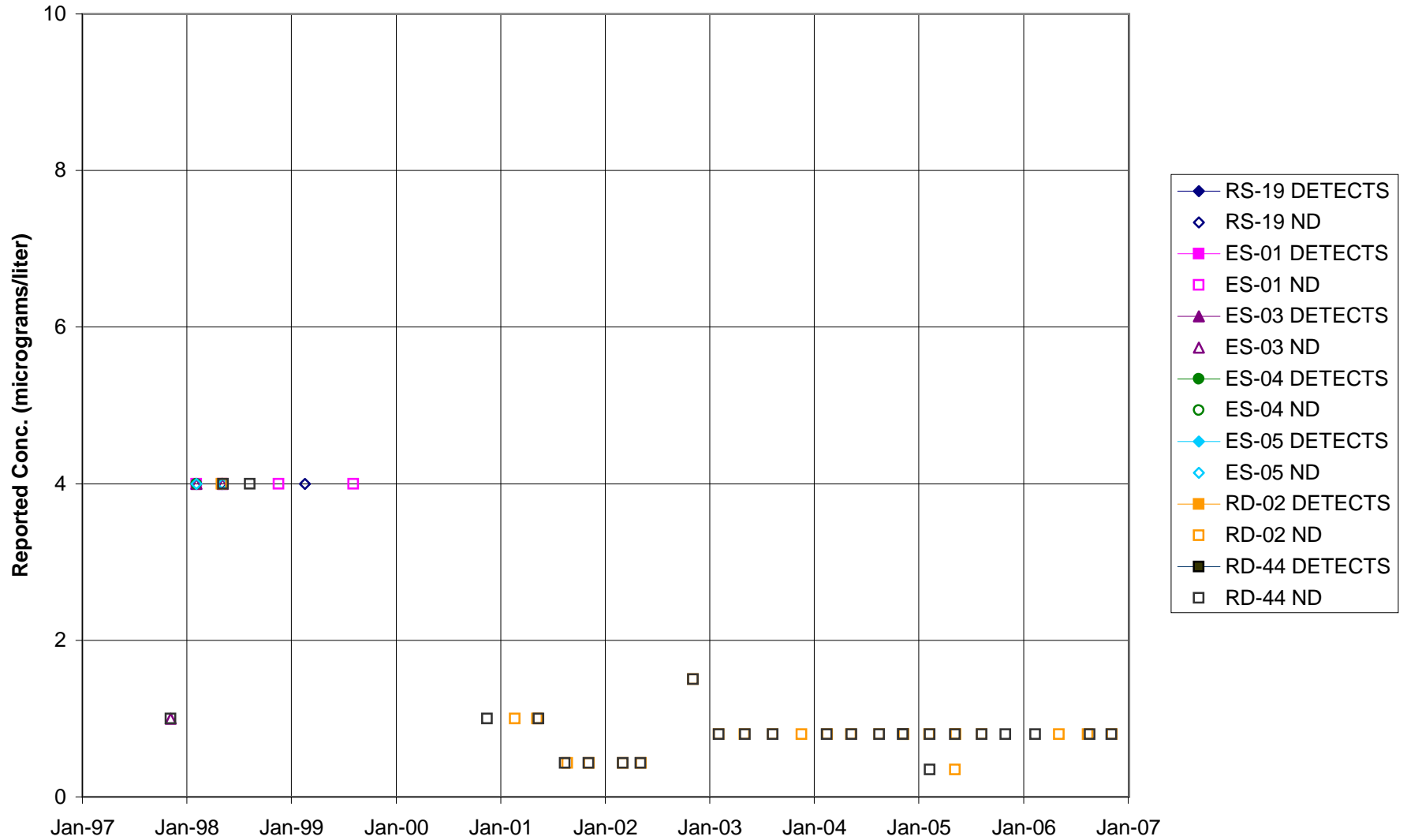


FIGURE F-277. PERCHLORATE in ECL AREA WELLS

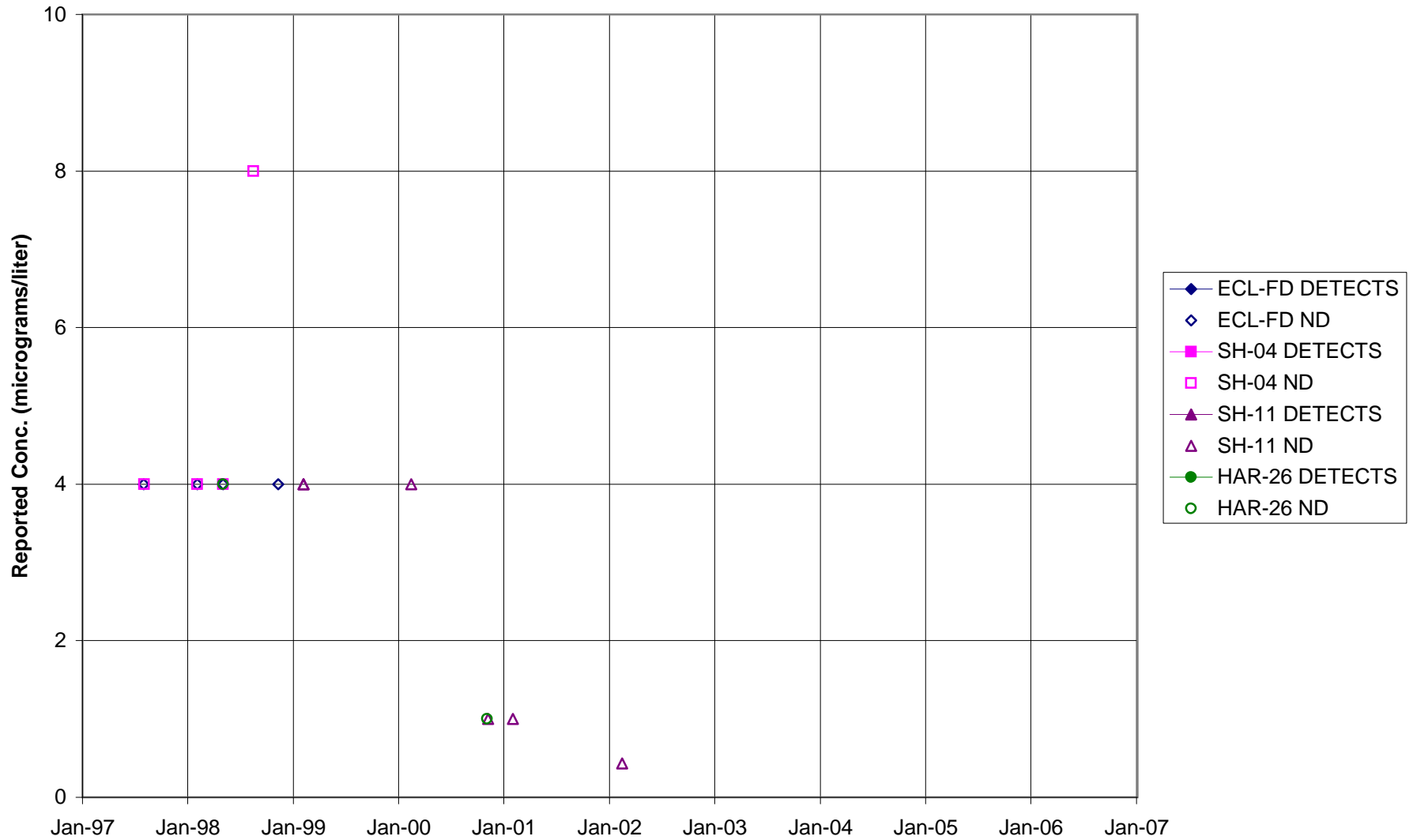


FIGURE F-278. PERCHLORATE in FORMER LOX PLANT AREA WELLS

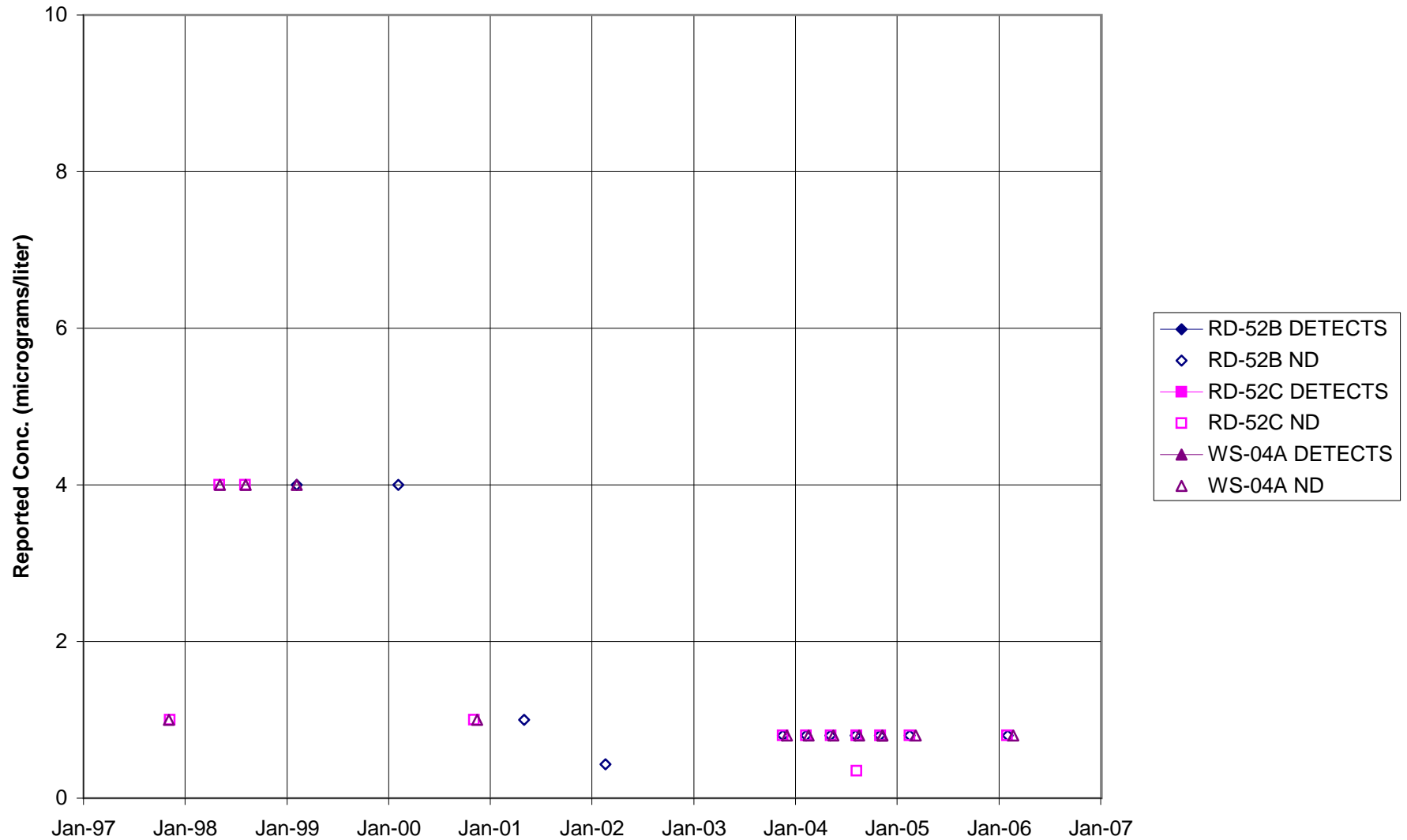


FIGURE F-279. PERCHLORATE in RD-09 AREA WELLS

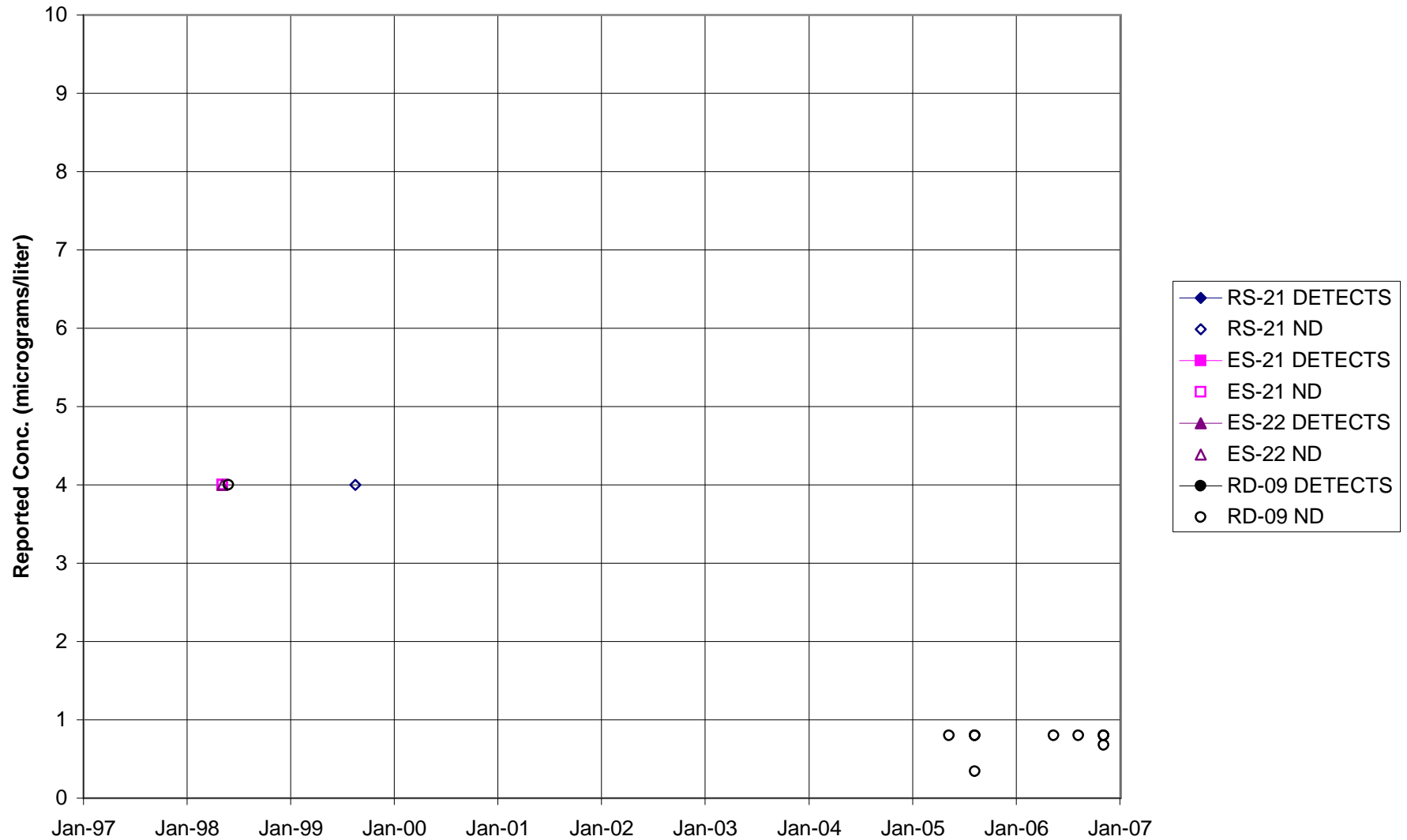


FIGURE F-280. PERCHLORATE in HELIPORT, B/204 AREA WELLS

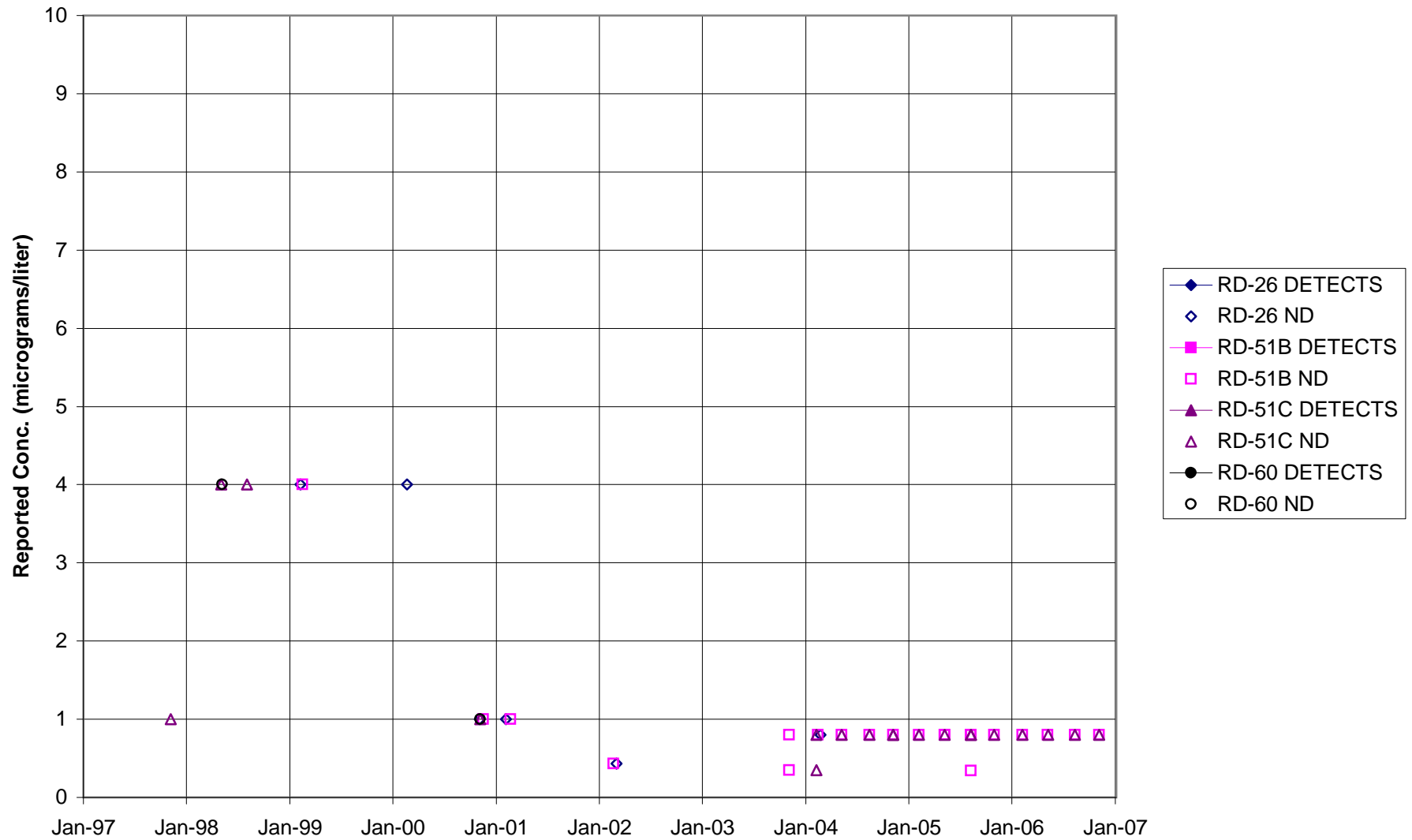


FIGURE F-281. PERCHLORATE in ALFA / BRAVO AREA WELLS

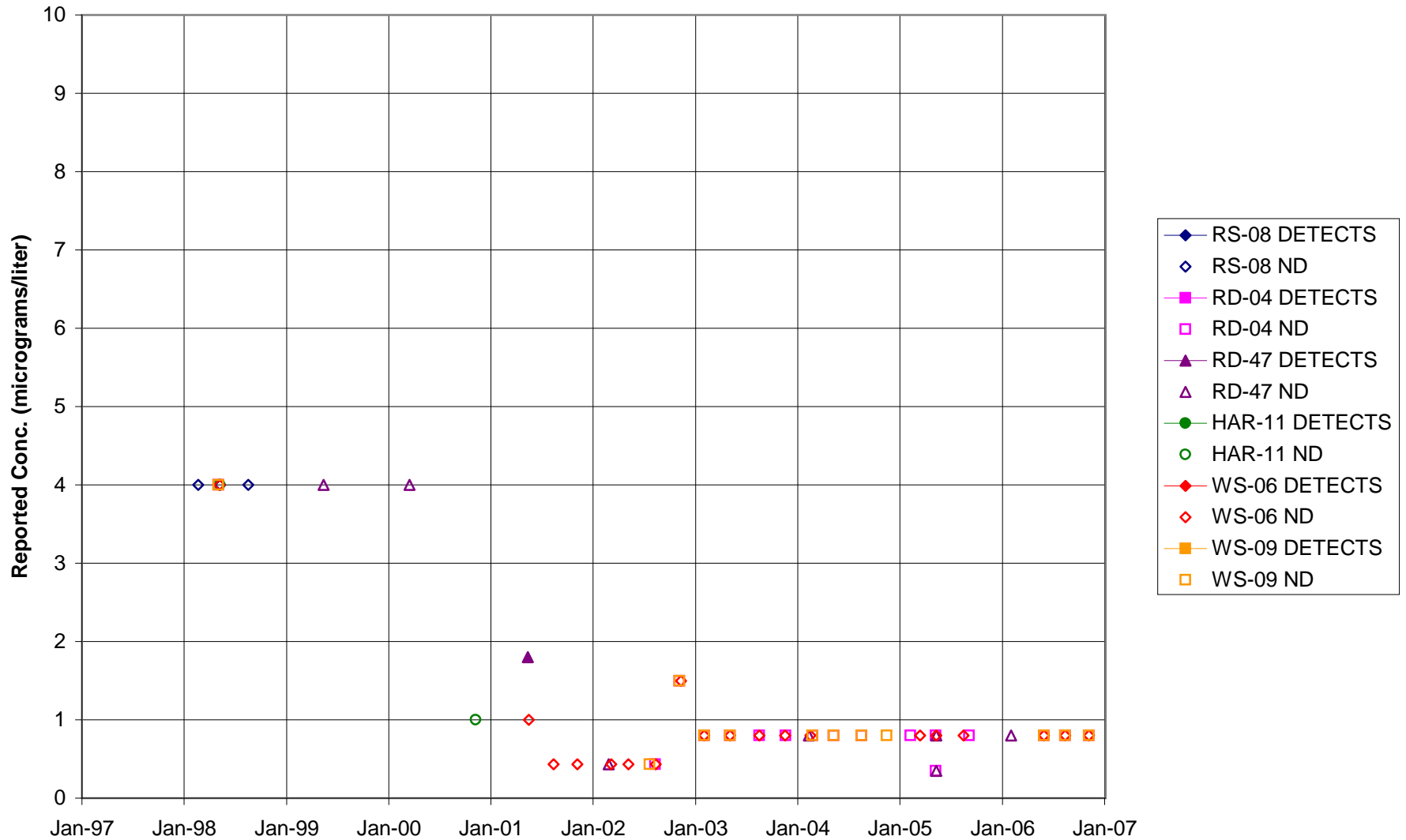


FIGURE F-282. PERCHLORATE in SPA AREA WELLS

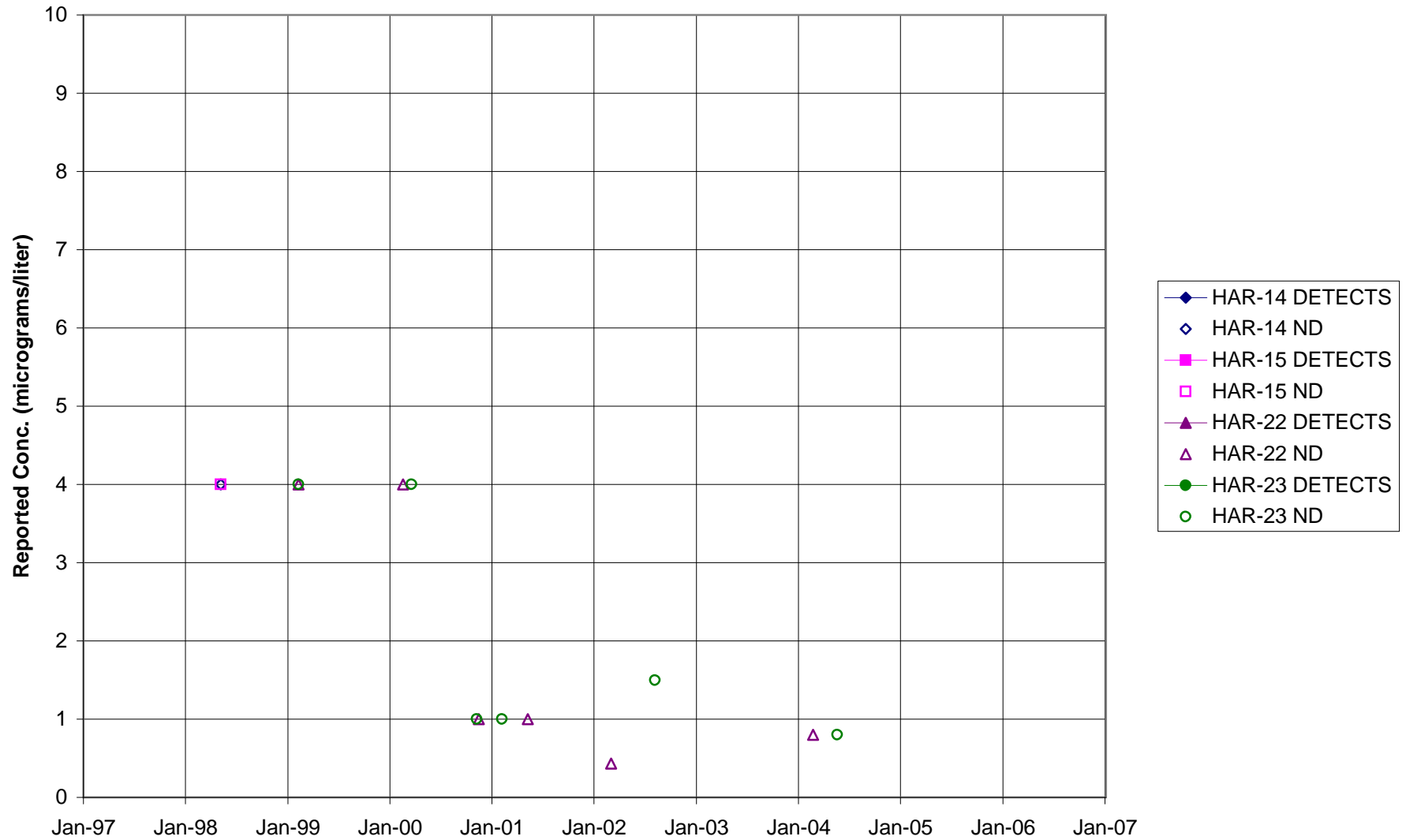


FIGURE F-284. PERCHLORATE in DELTA / BUFFER ZONE AREA WELLS

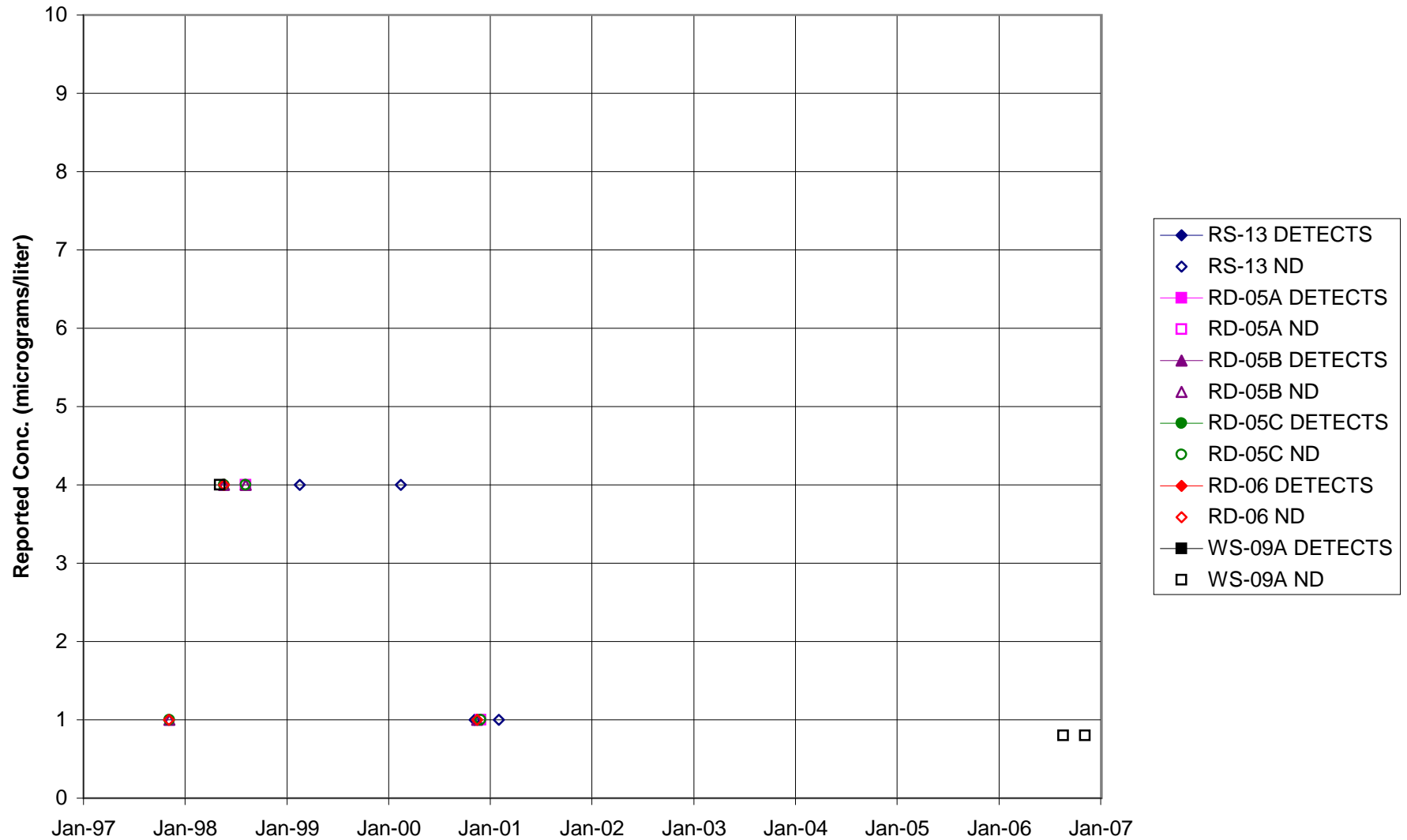


FIGURE F-285. PERCHLORATE in AREA IV WELLS

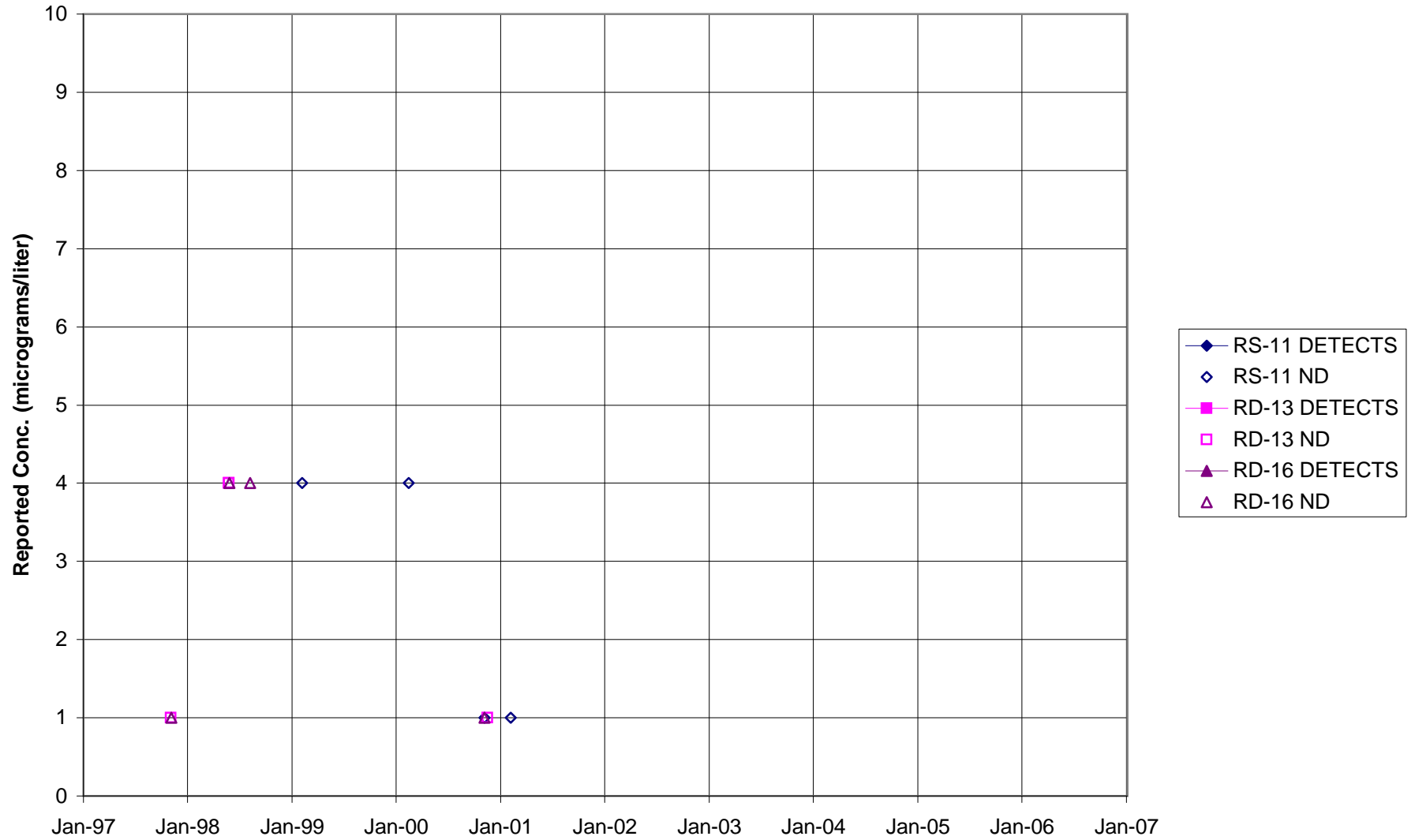


FIGURE F-286. PCE in STL-IV AREA SHALLOW WELLS

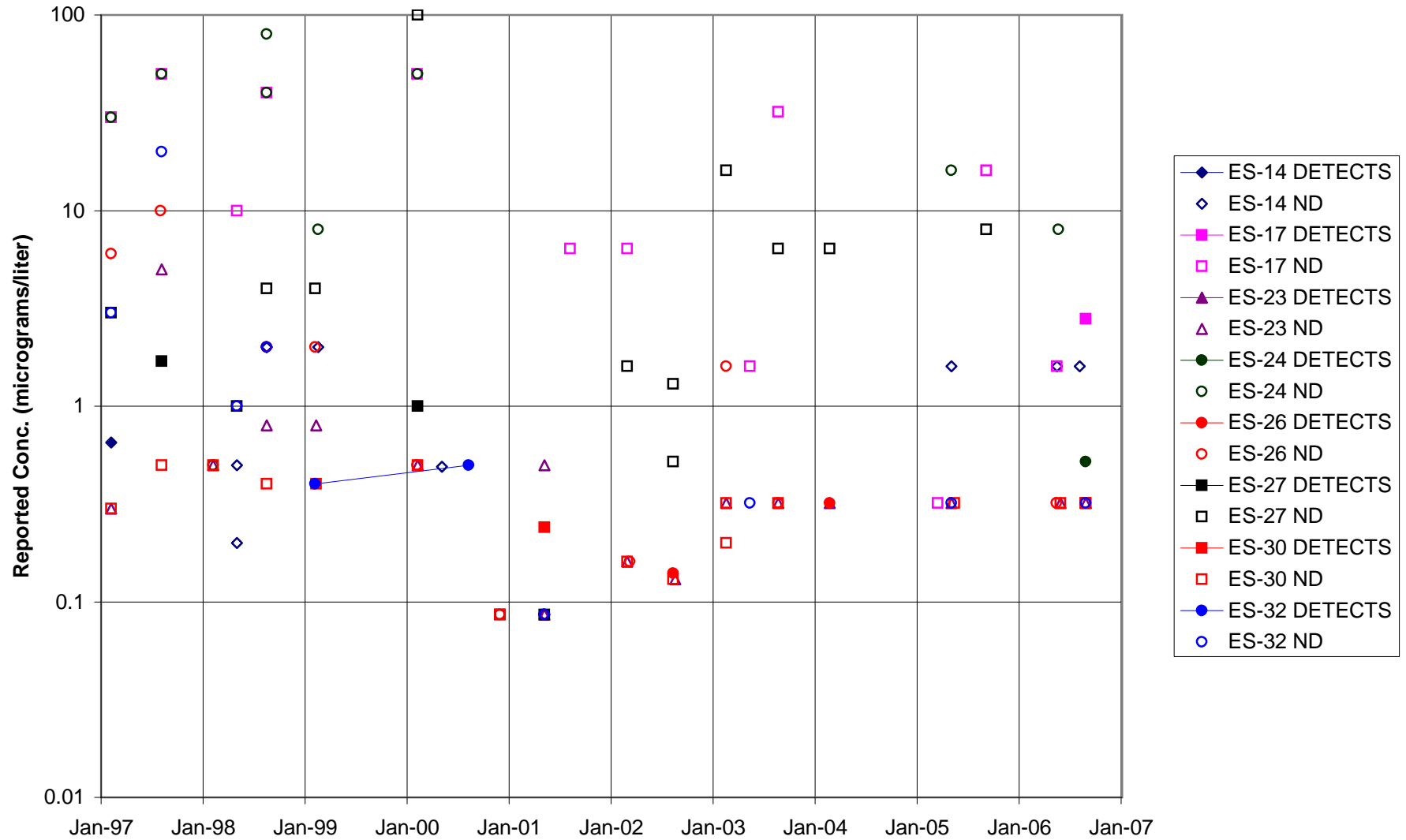


FIGURE F-287. PCE in STL-IV AREA CHATSWORTH FORMATION WELLS

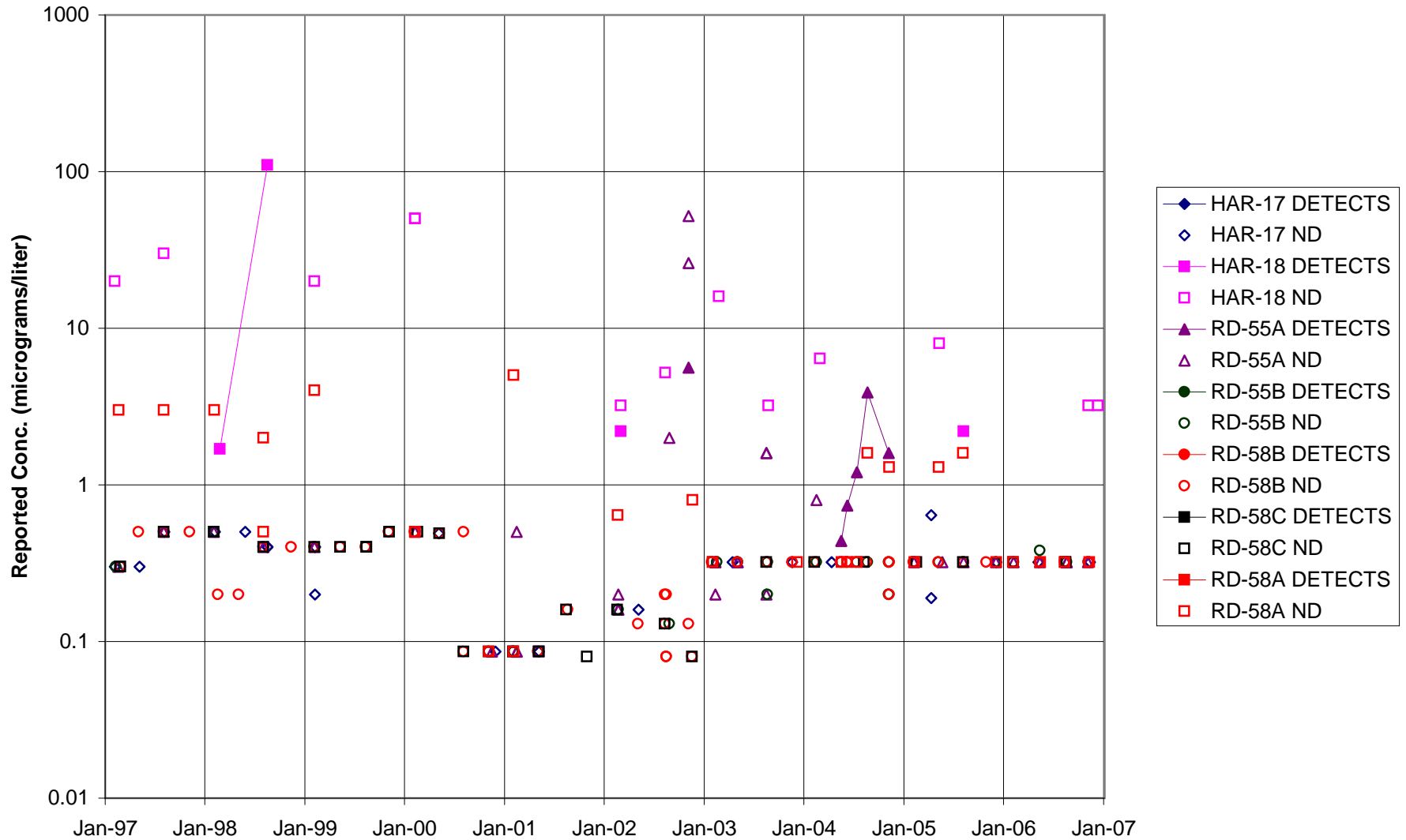


FIGURE F-288. PCE in MAIN GATE AREA WELLS - 1

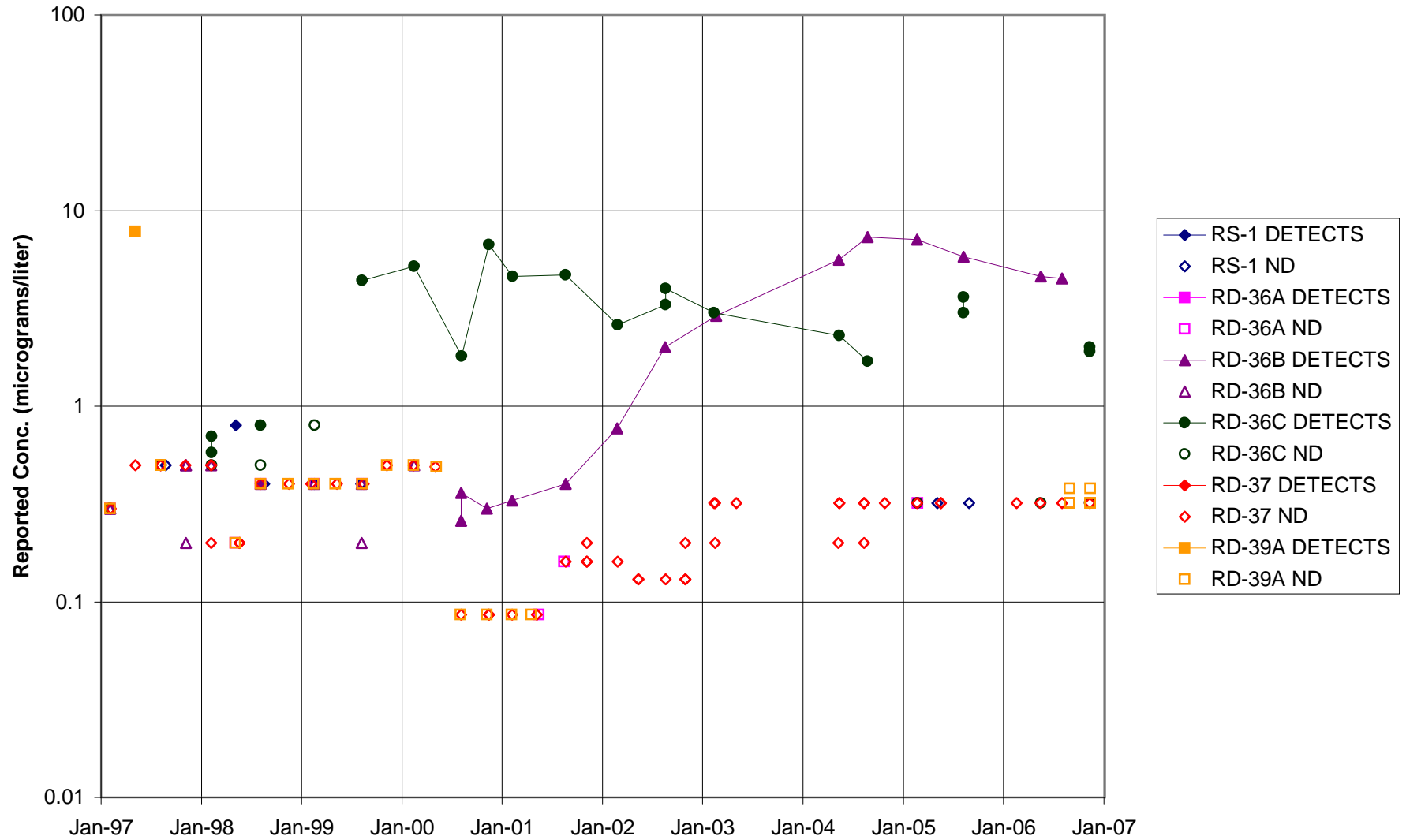


FIGURE F-289. PCE in MAIN GATE AREA WELLS - 2

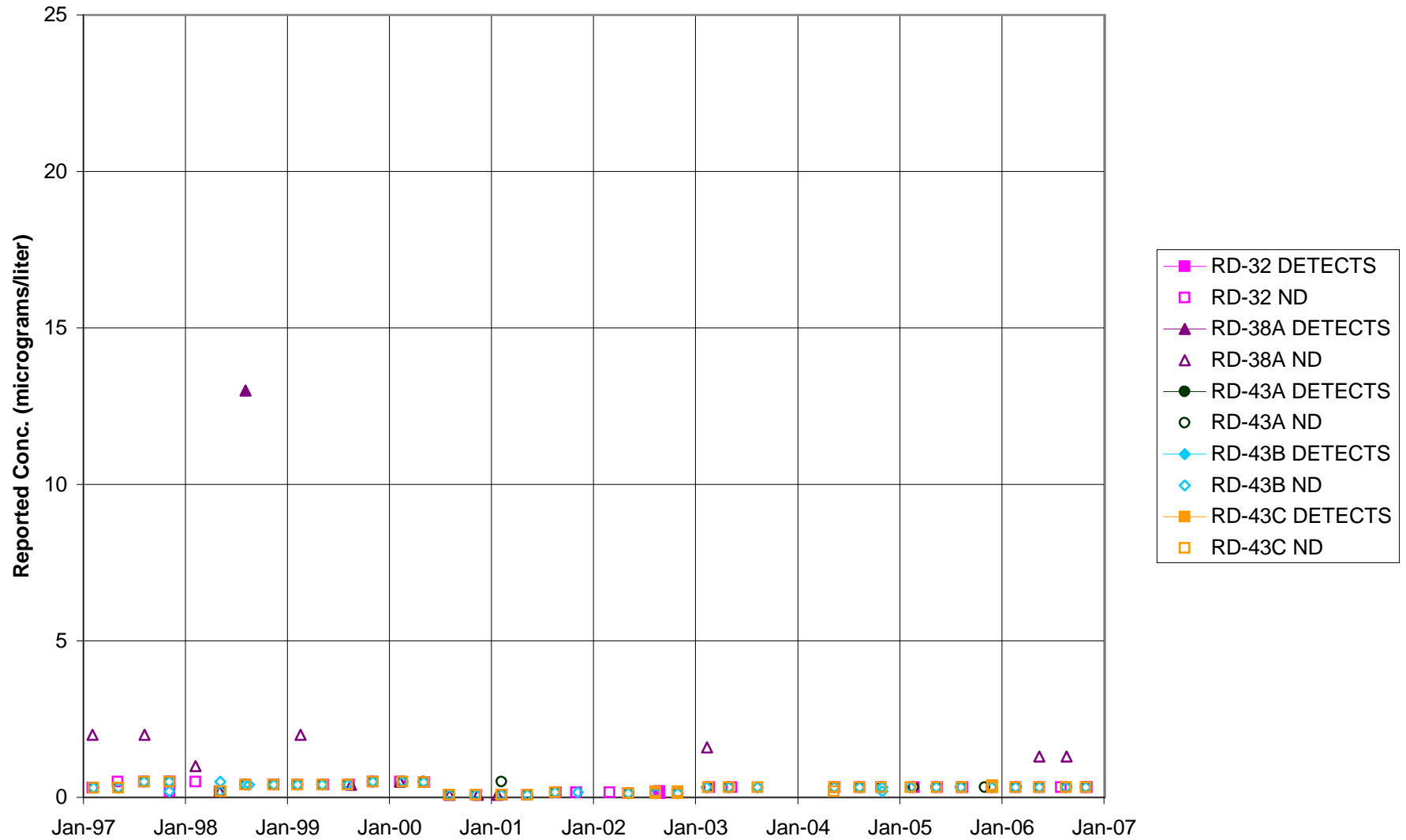


FIGURE F-290. PCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

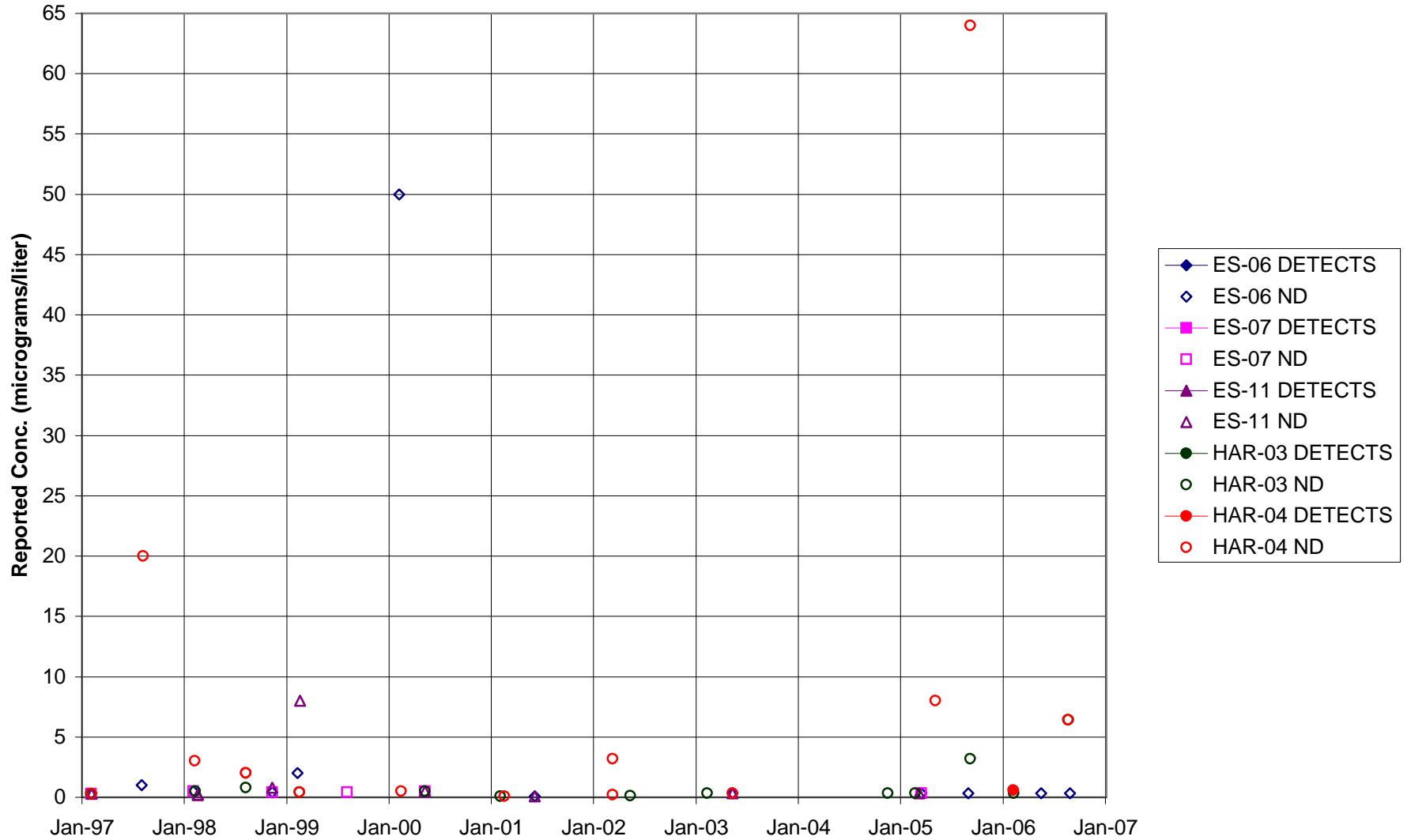


FIGURE F-291. PCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

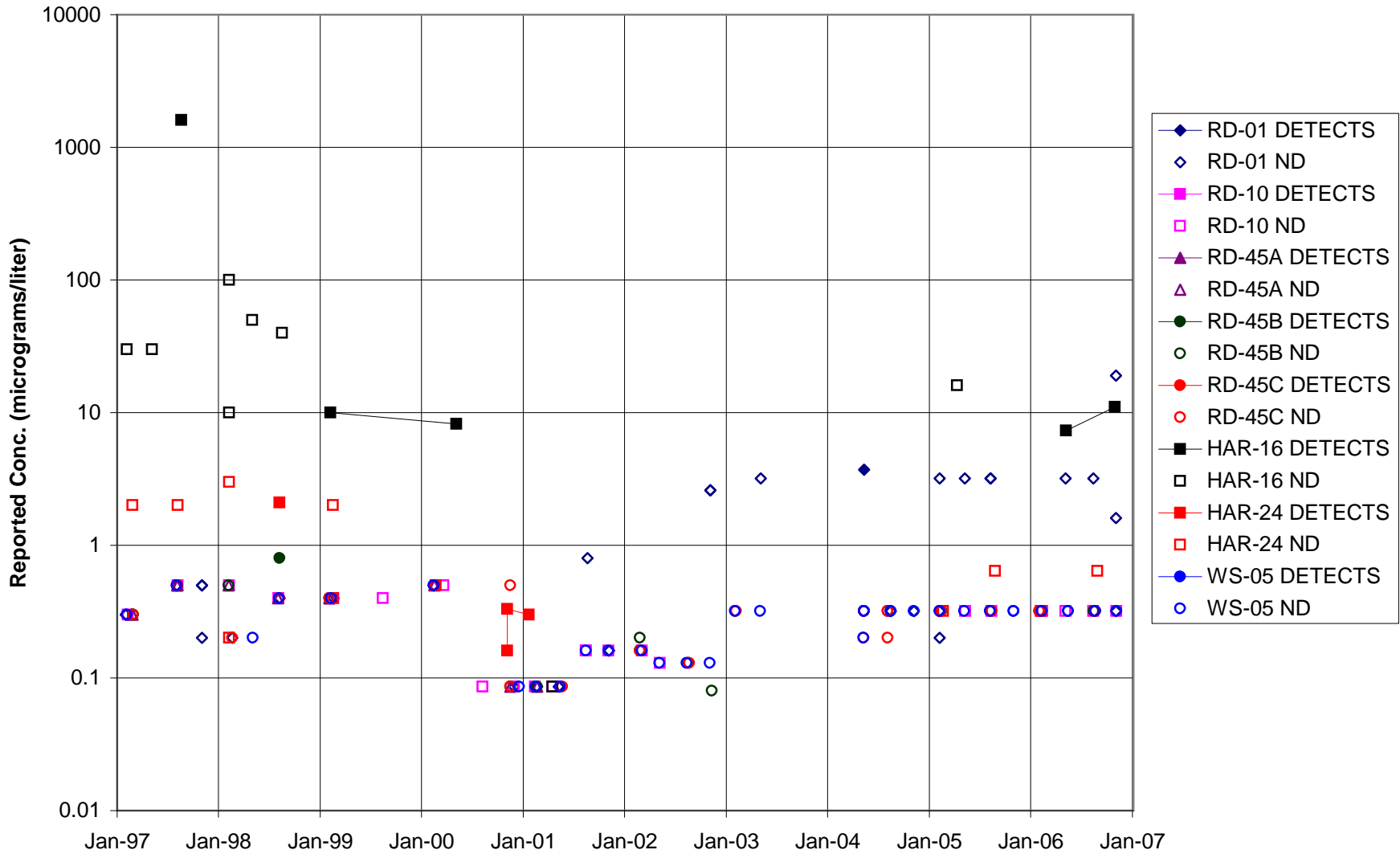


FIGURE F-292. PCE in CTL-III / PERIMETER POND AREA WELLS

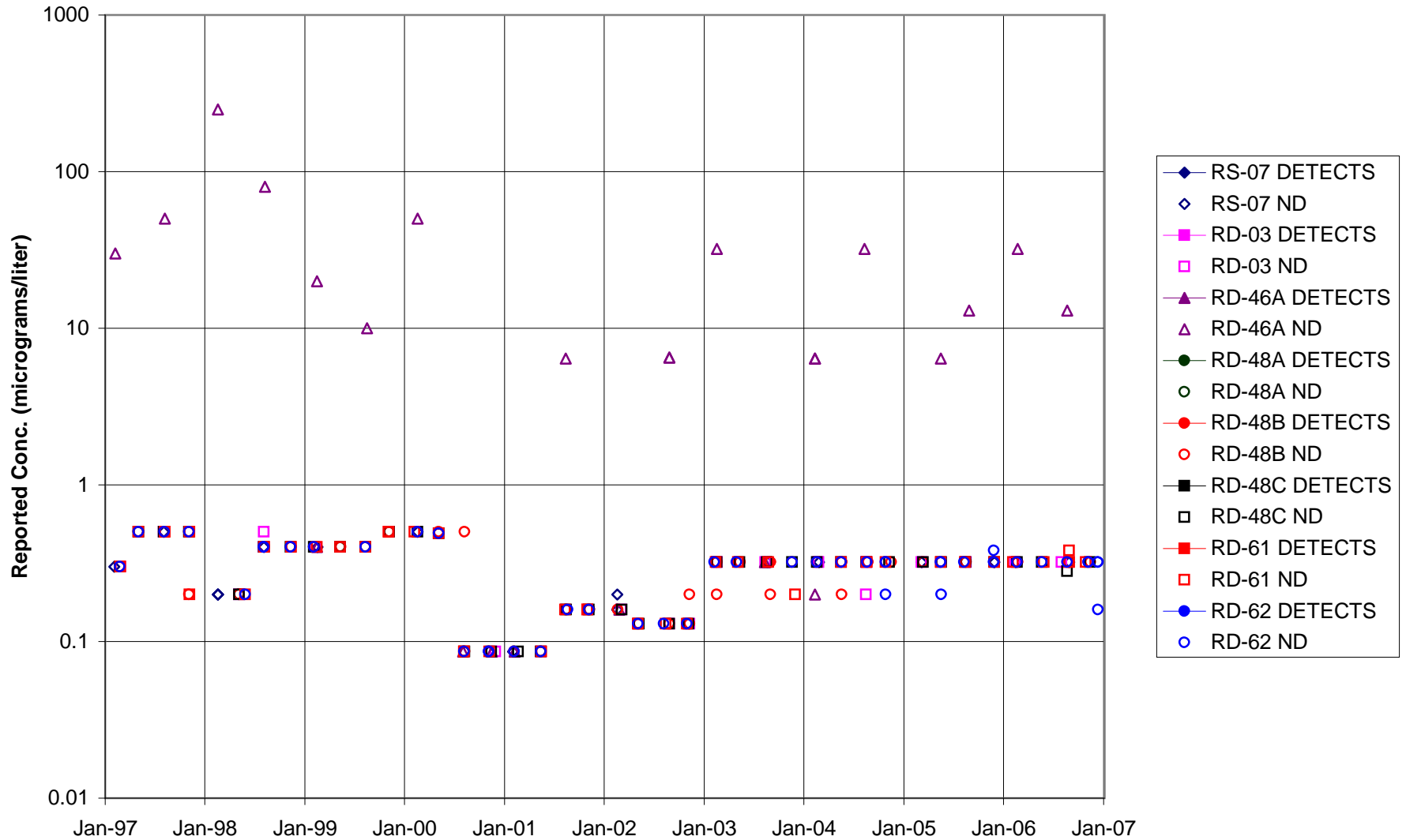


FIGURE F-293. PCE in BOWL AREA WELLS

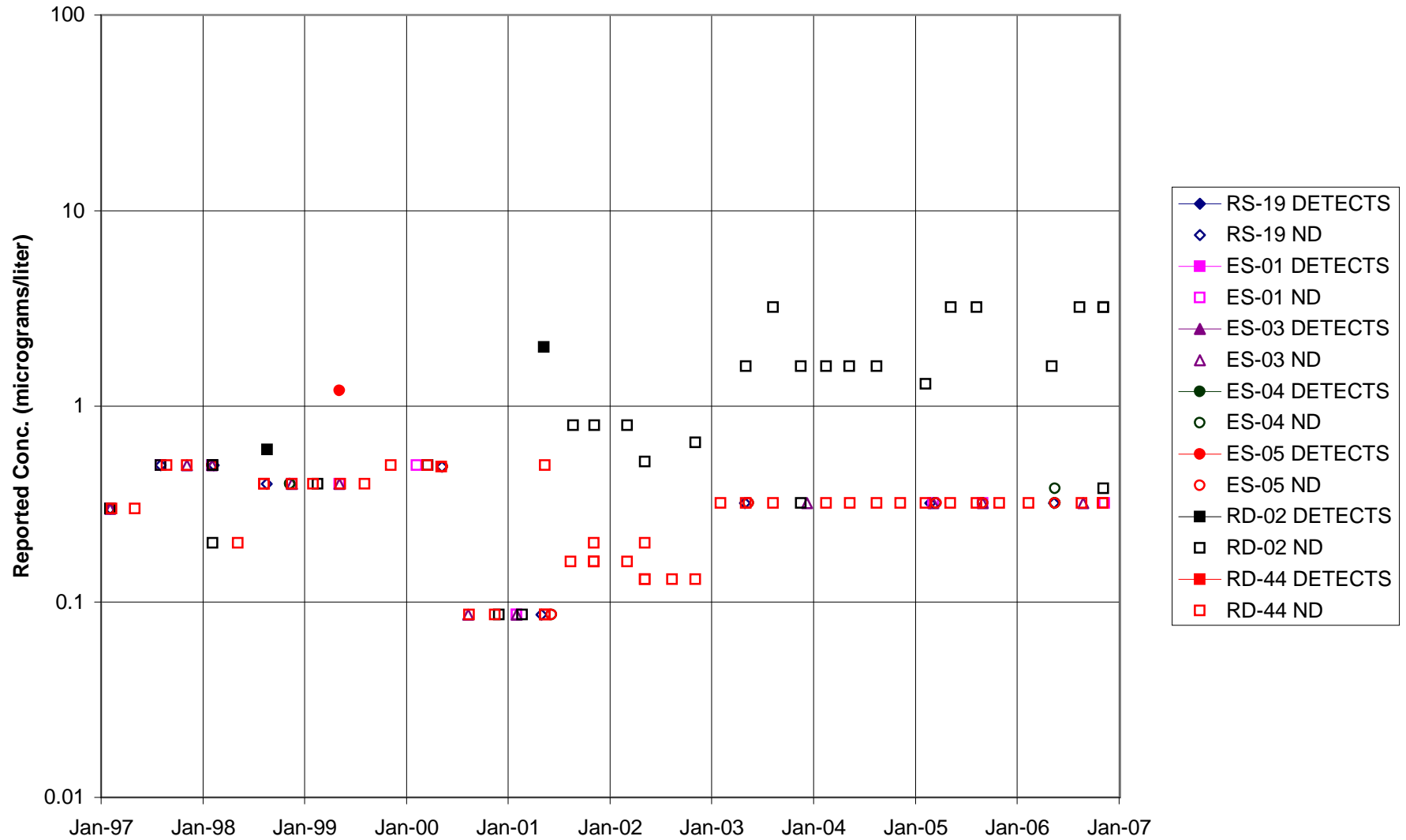


FIGURE F-294. PCE in ECL AREA WELLS

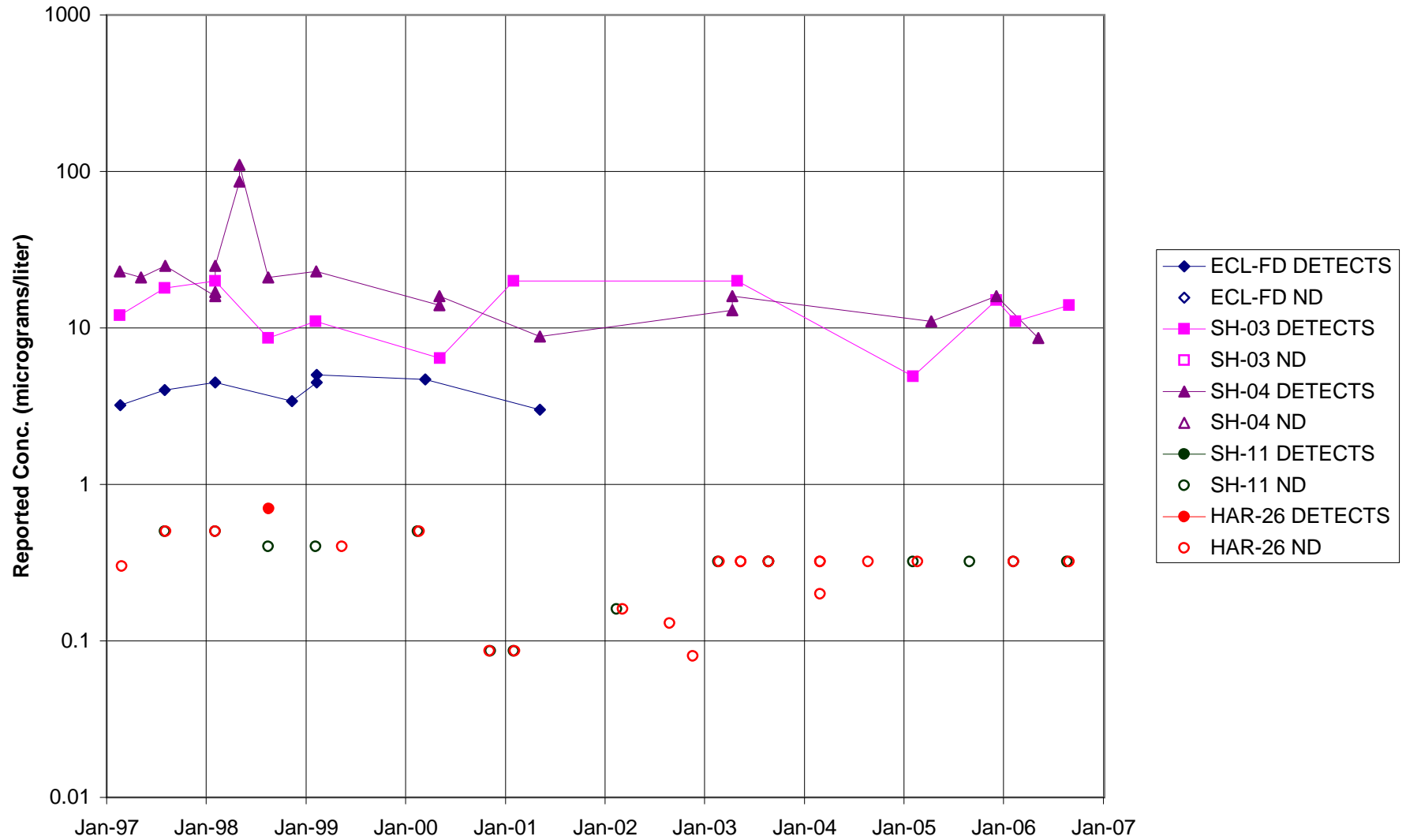


FIGURE F-295. PCE in FORMER LOX PLANT AREA WELLS

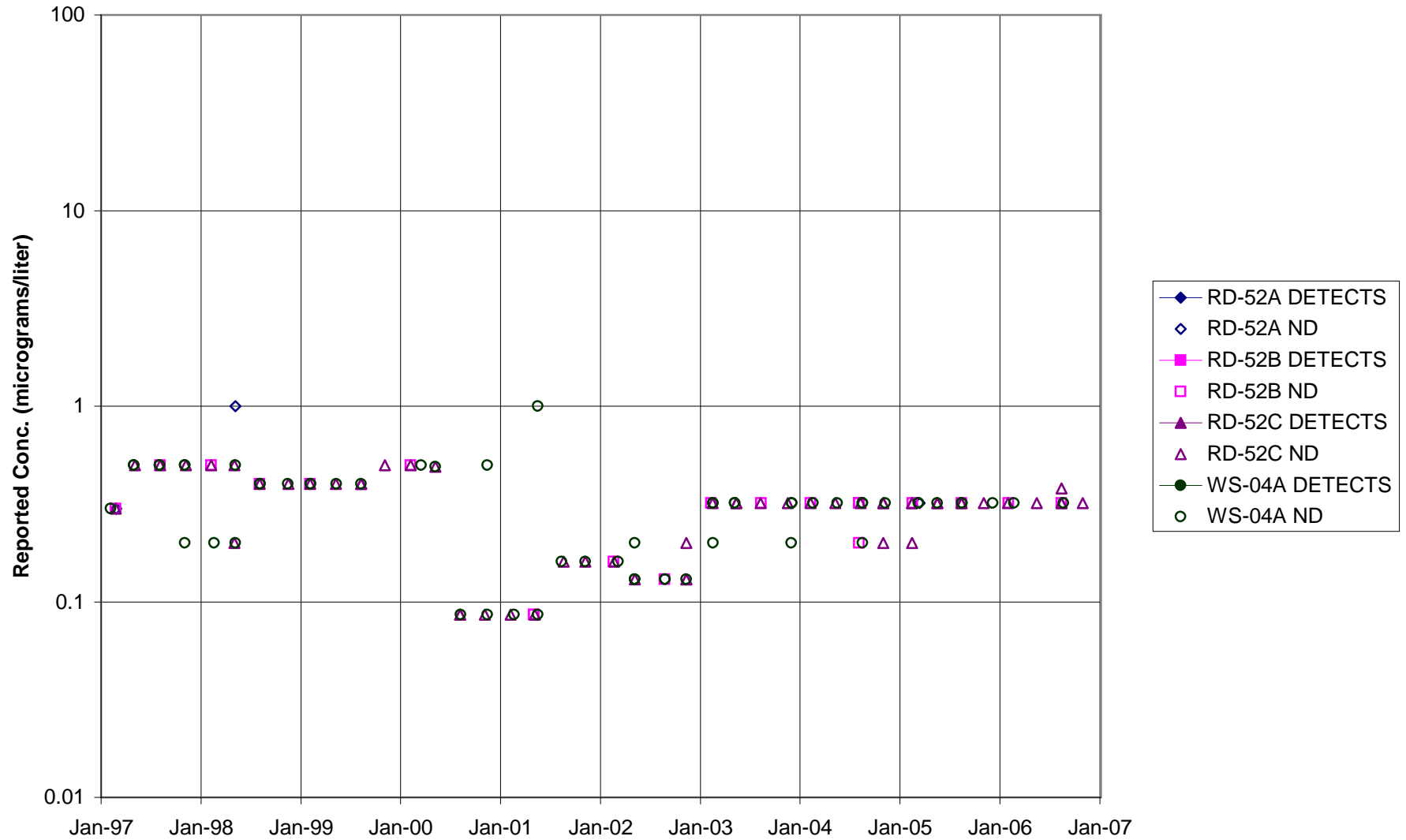


FIGURE F-296. PCE in RD-09 AREA WELLS

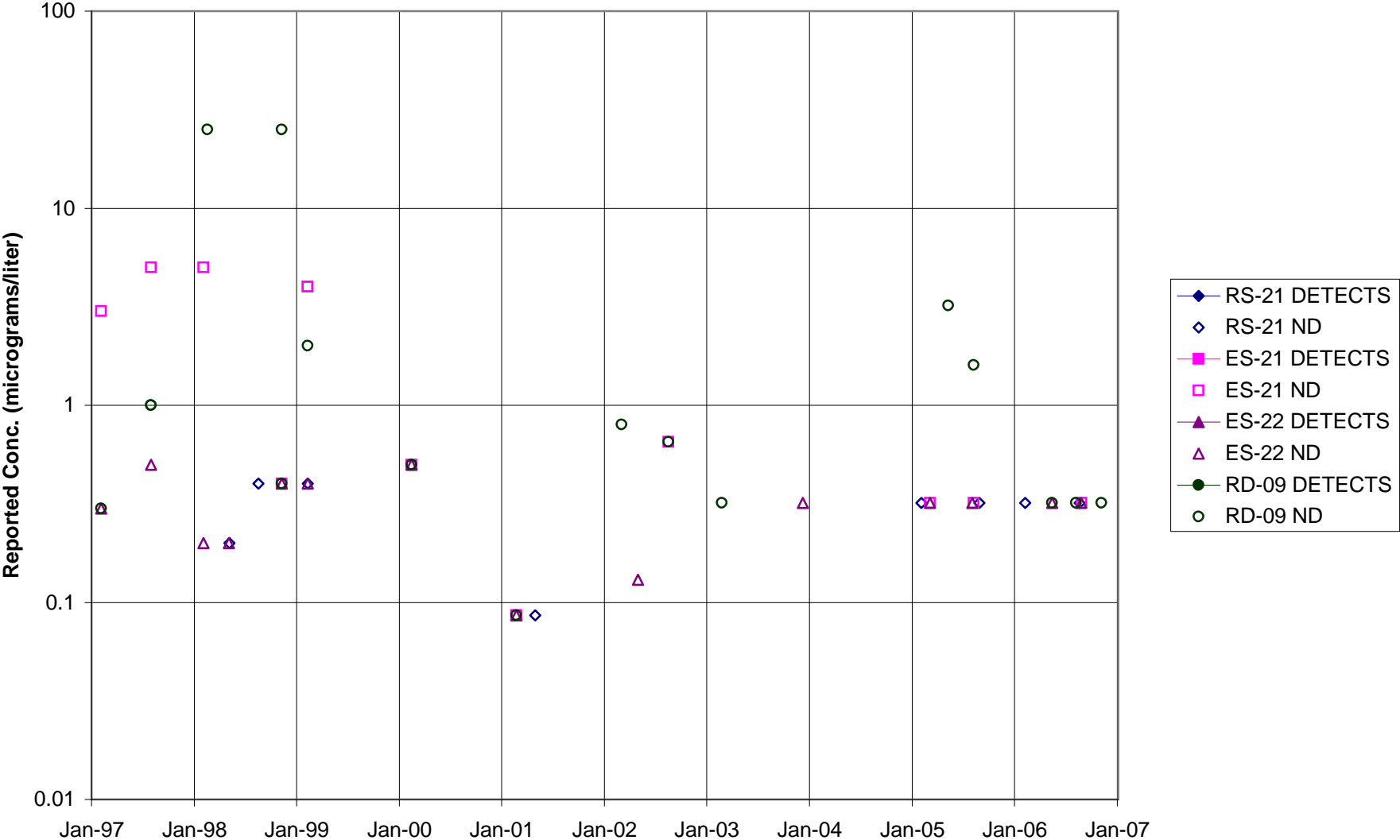


FIGURE F-297. PCE in HELIPORT, B/204 AREA WELLS

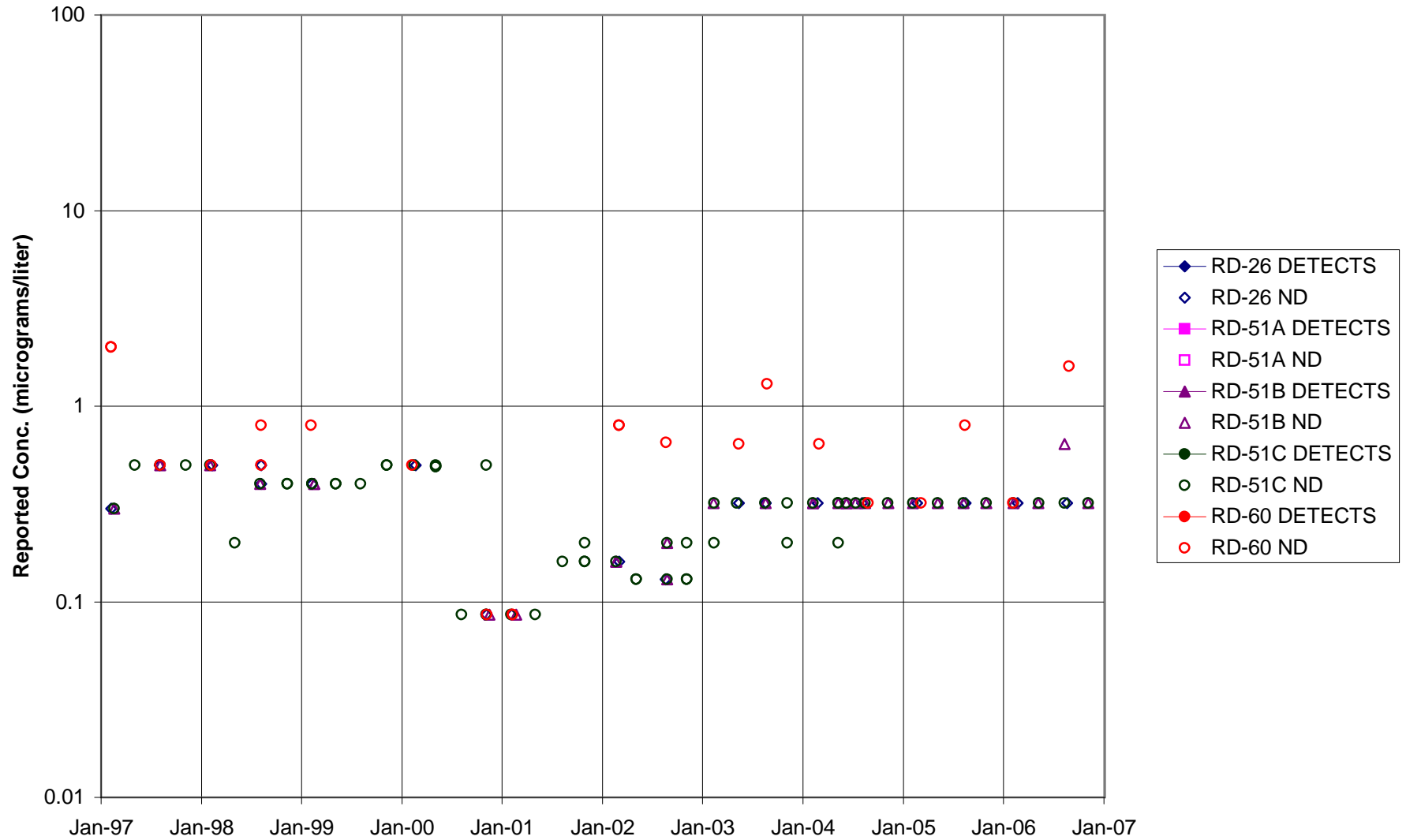


FIGURE F-298. PCE in ALFA / BRAVO AREA WELLS

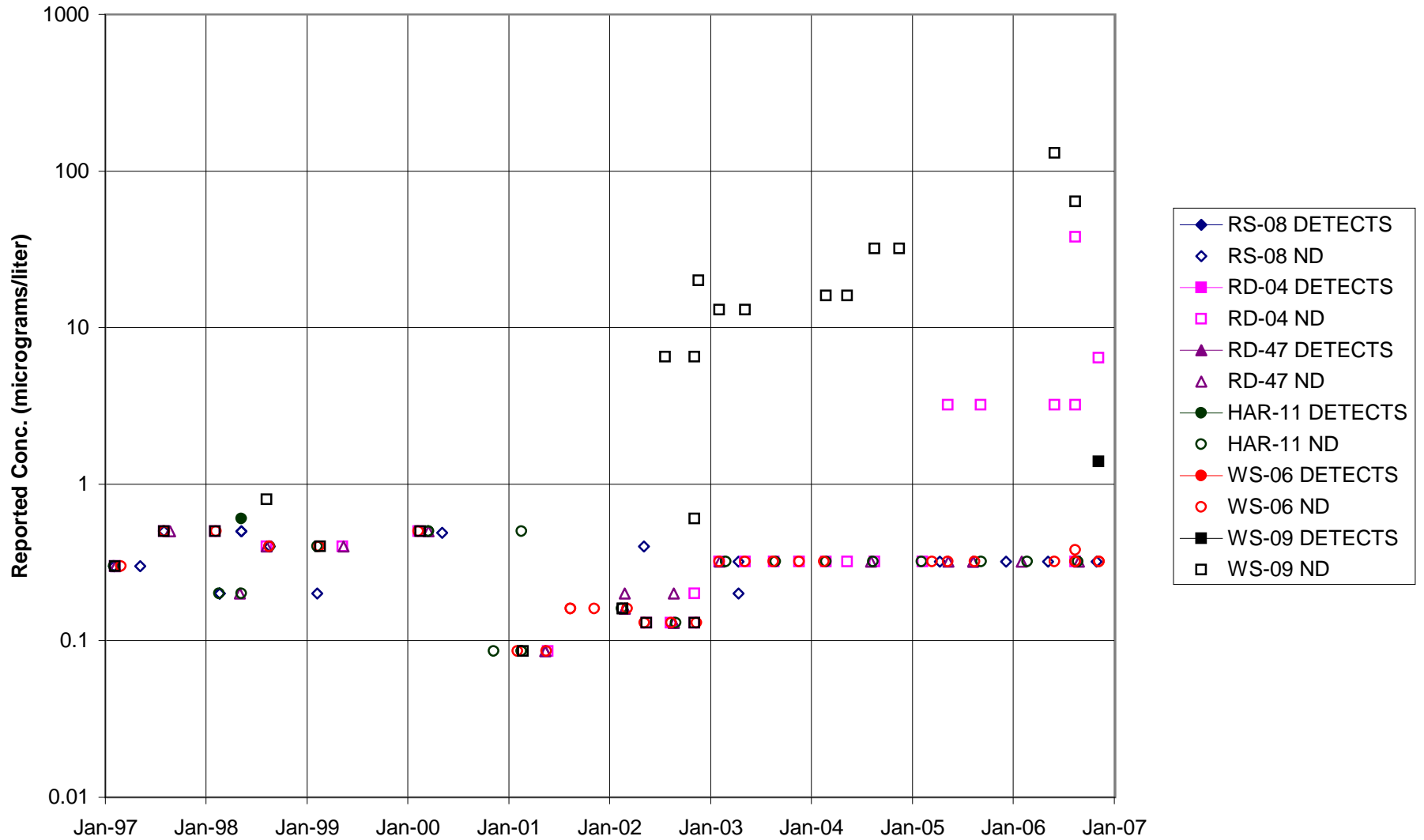


FIGURE F-299. PCE in SPA AREA WELLS

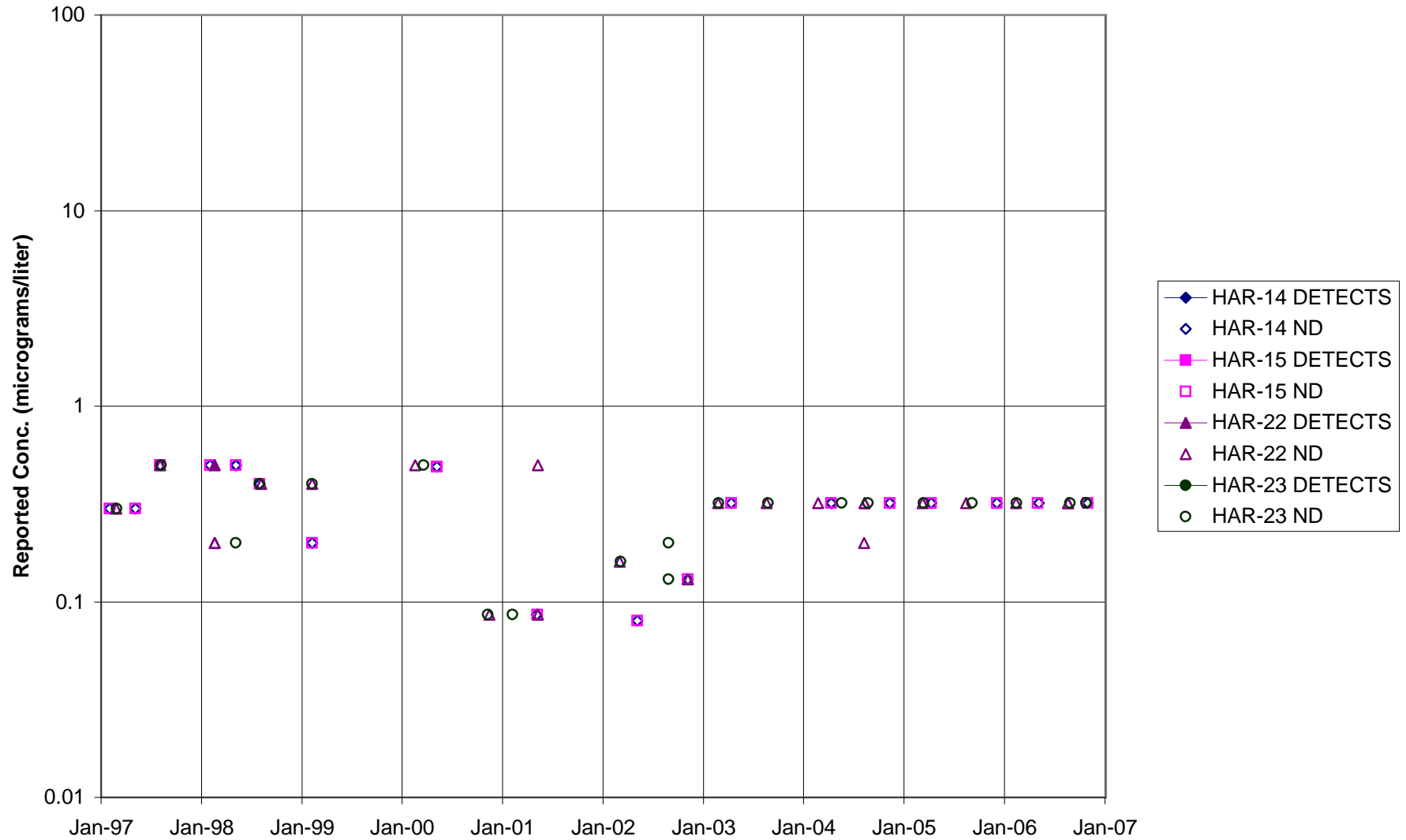


FIGURE F-300. PCE in COCA / PLF AREA WELLS

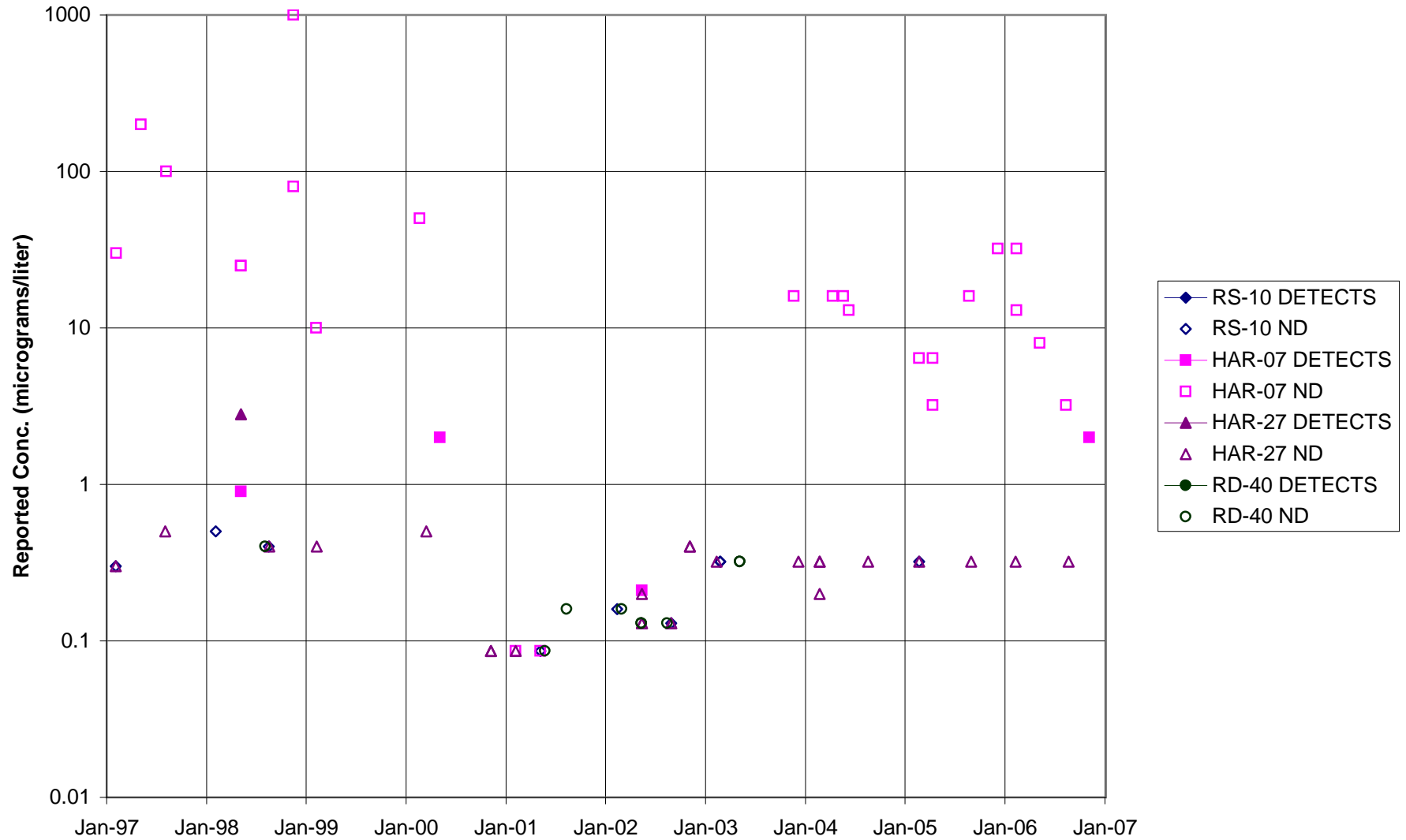


FIGURE F-301. PCE in DELTA / BUFFER ZONE AREA WELLS

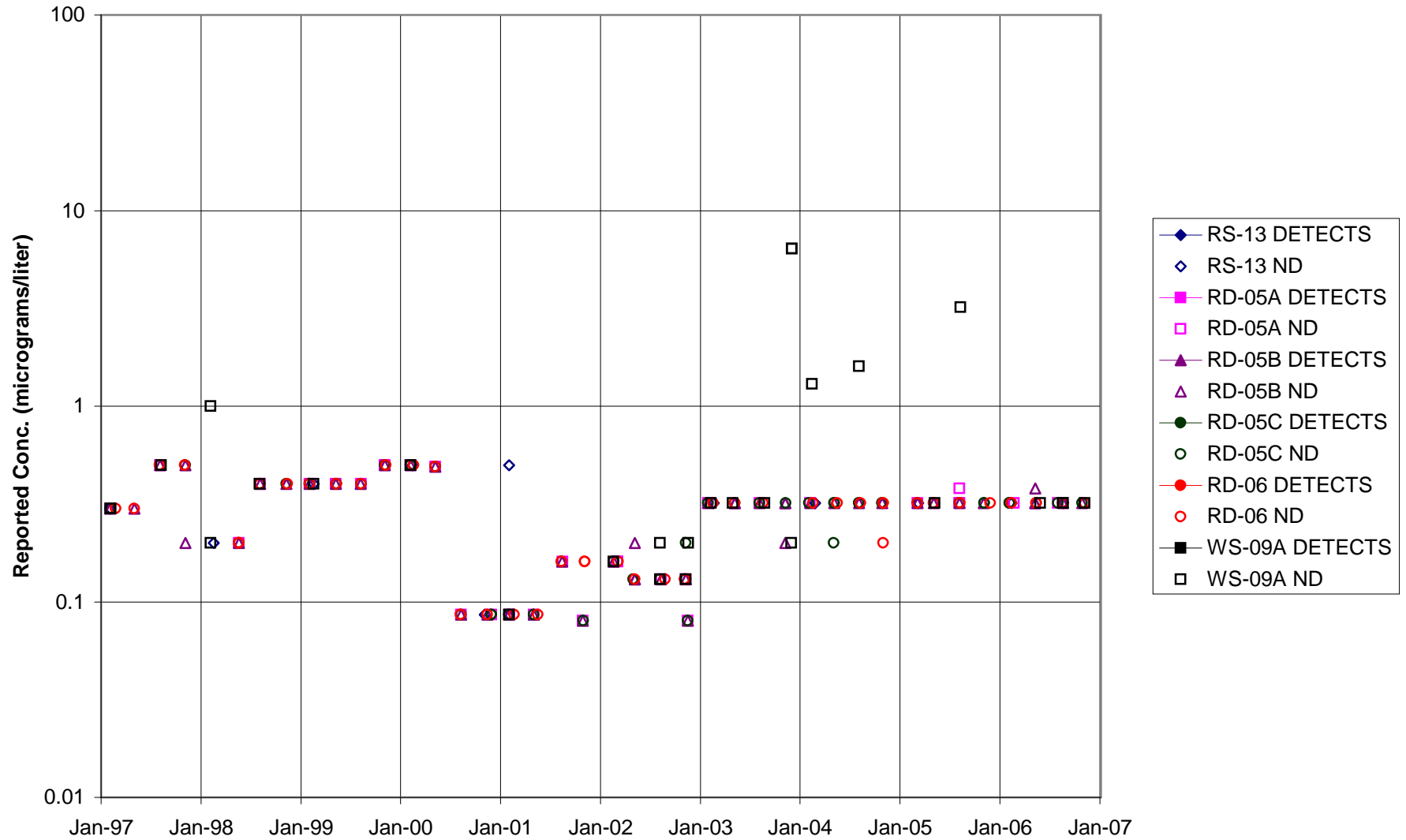


FIGURE F-302. PCE in AREA IV WELLS

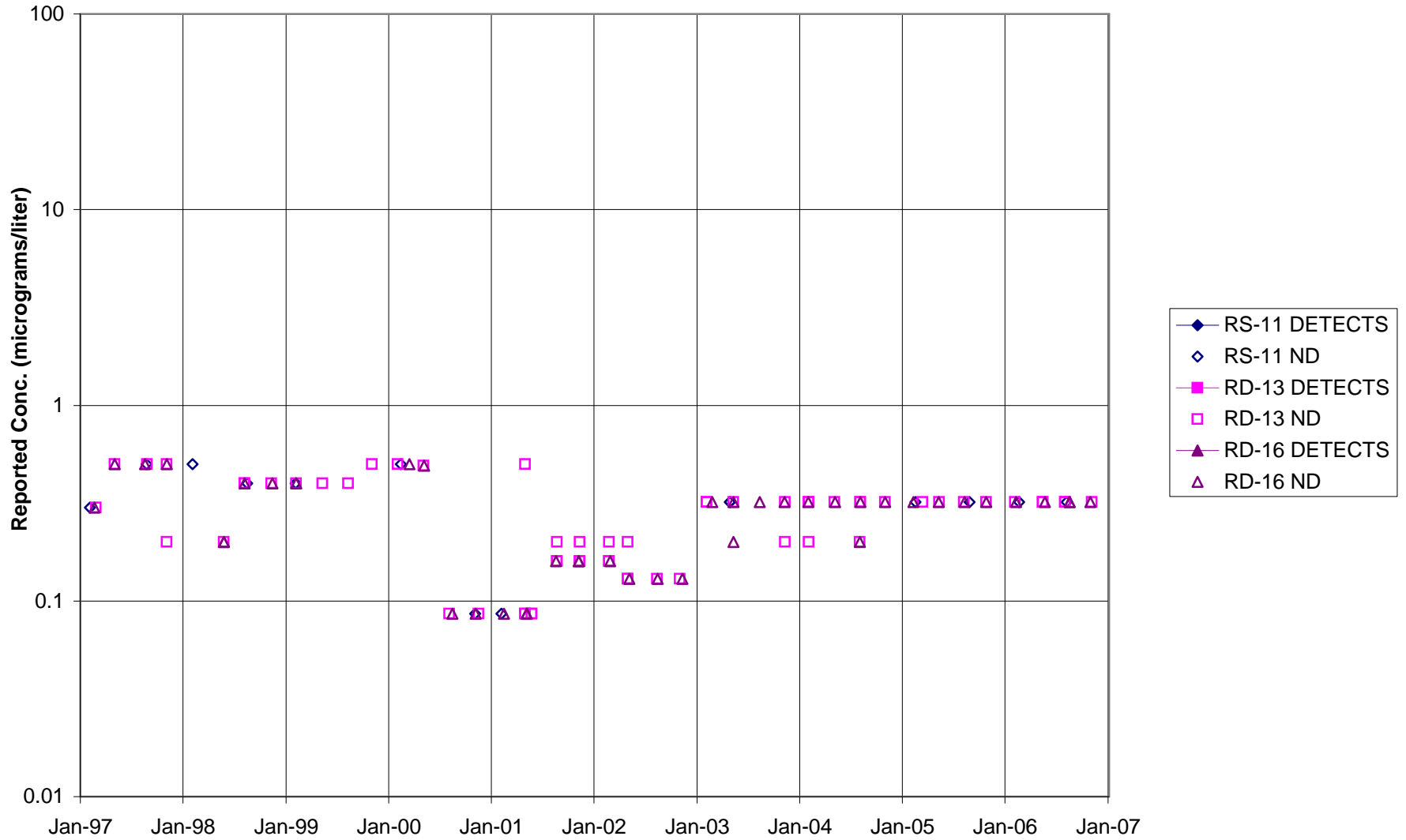


FIGURE F-303. TOLUENE in STL-IV AREA SHALLOW WELLS

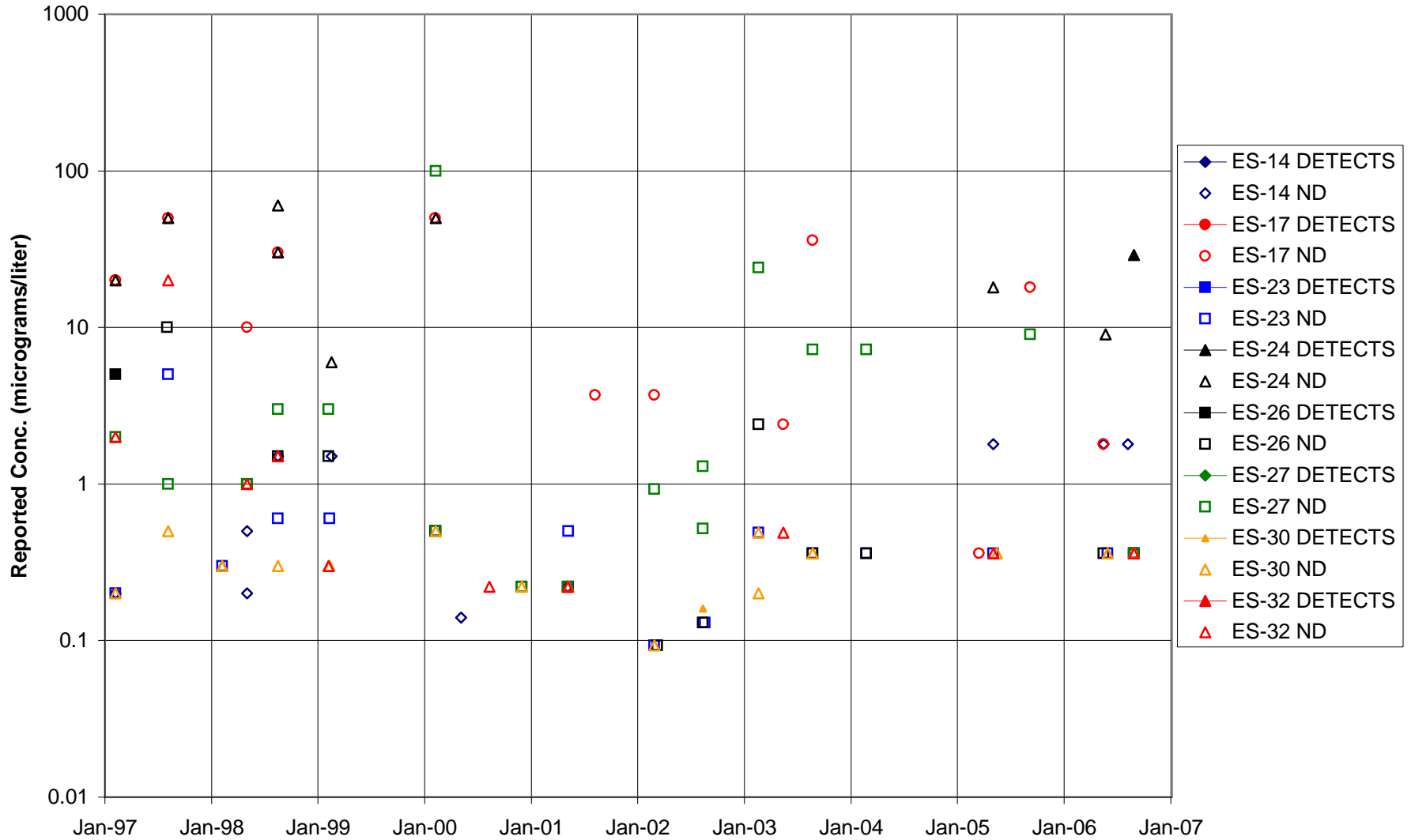


FIGURE F-304. TOLUENE in STL-IV AREA CHATSWORTH FORMATION WELLS

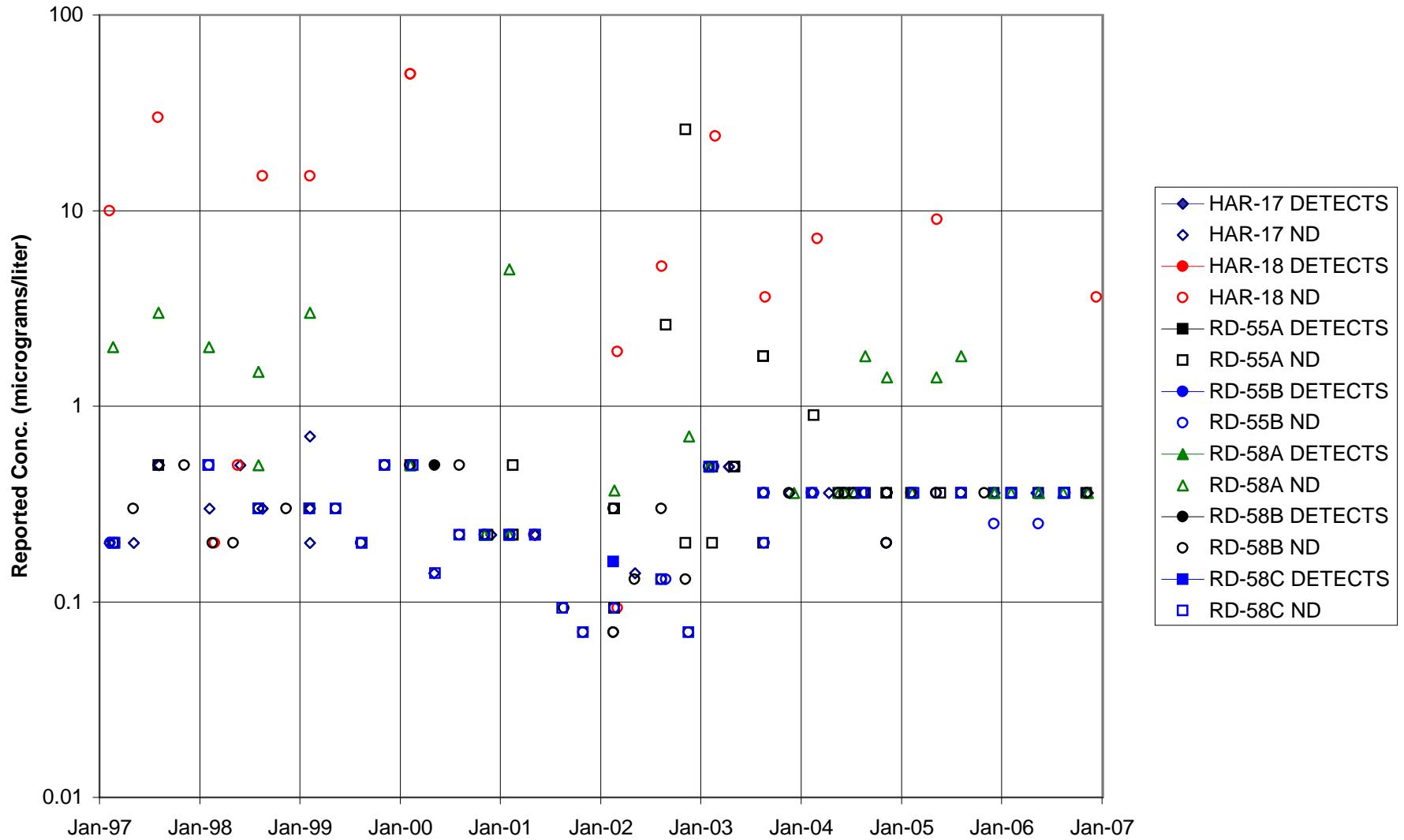


FIGURE F-306. TOLUENE in MAIN GATE AREA WELLS - 2

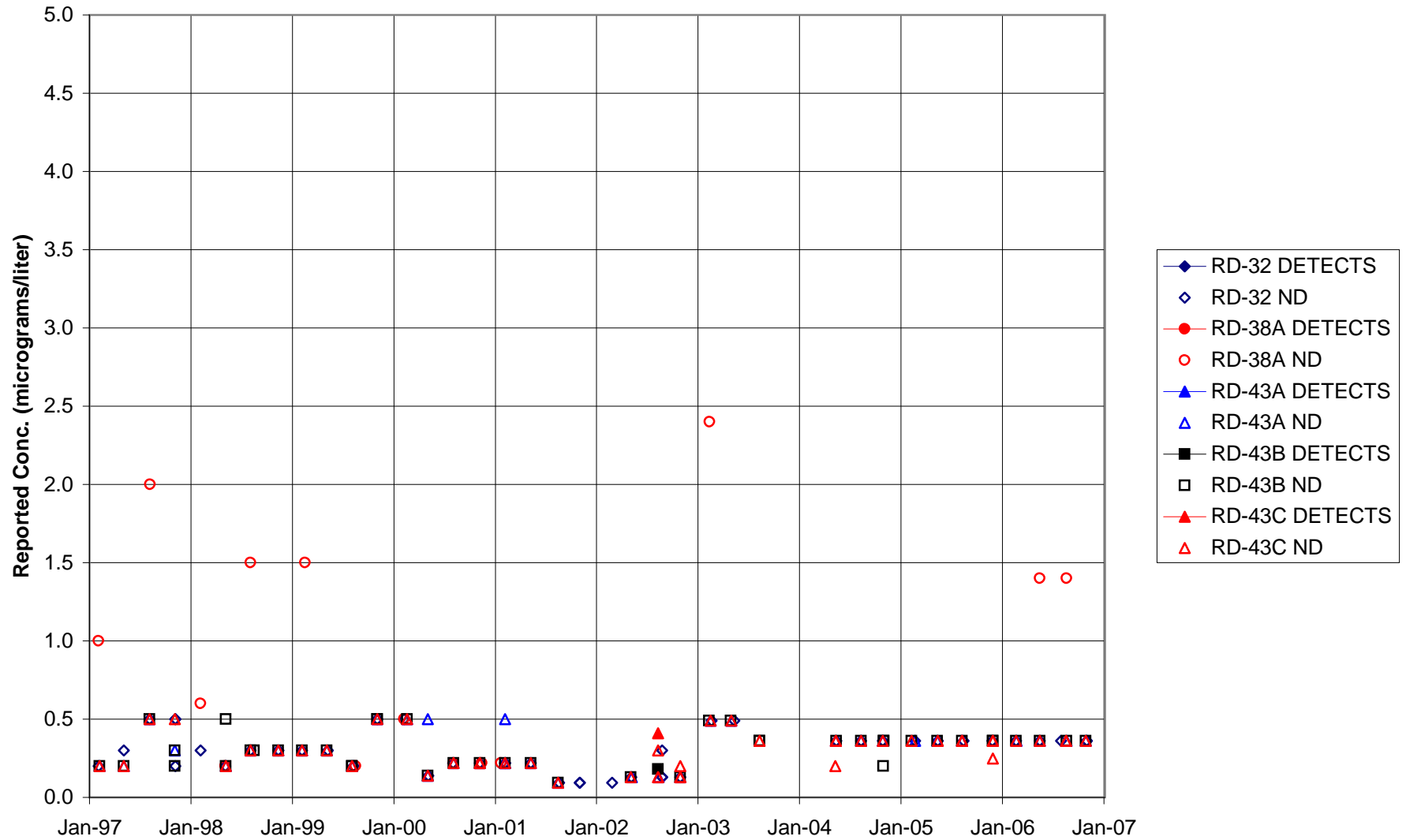


FIGURE F-307. TOLUENE in APTF, CANYON, & HAPPY VALLEY WELLS - 1

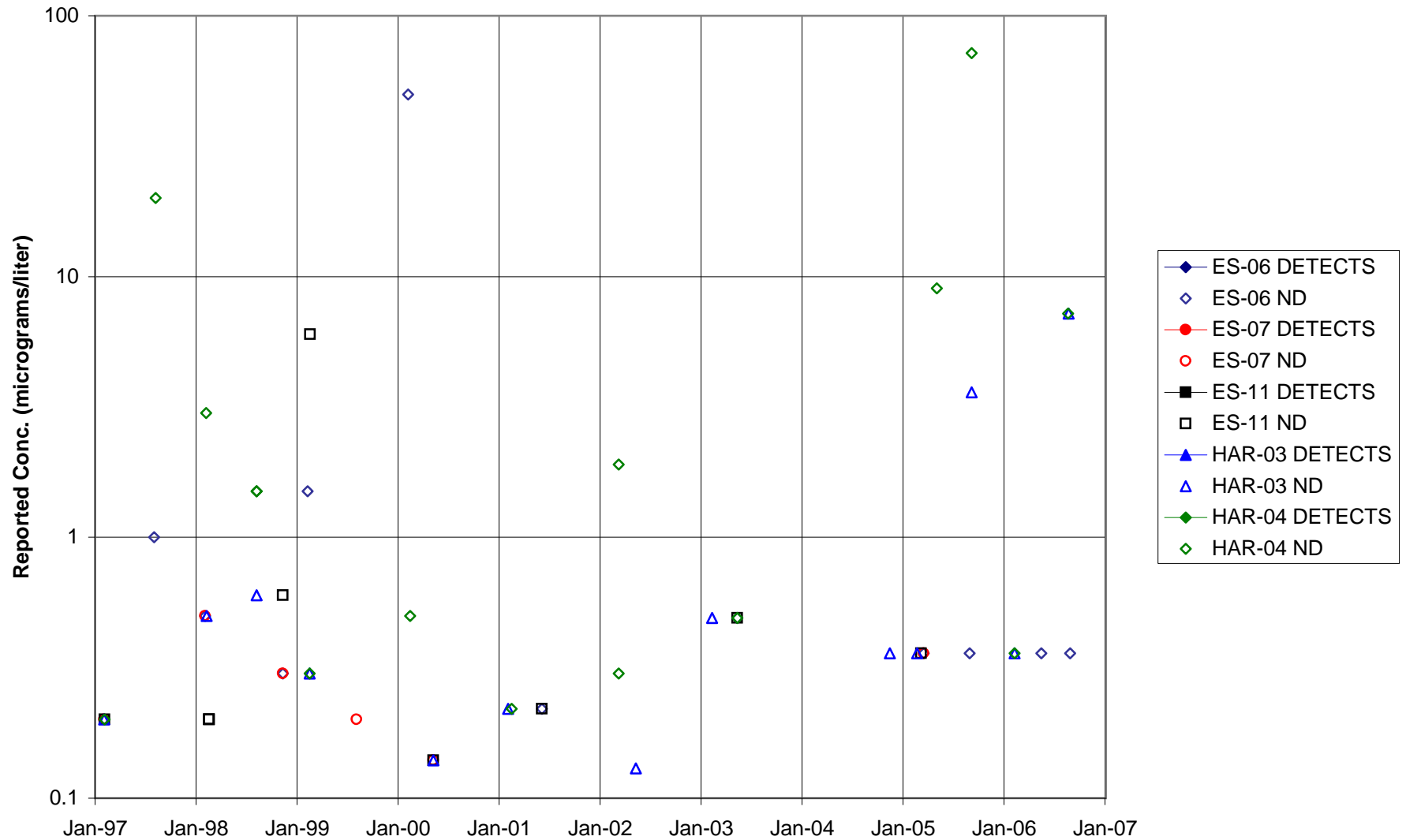


FIGURE F-308. TOLUENE in APTF, CANYON, & HAPPY VALLEY WELLS - 2

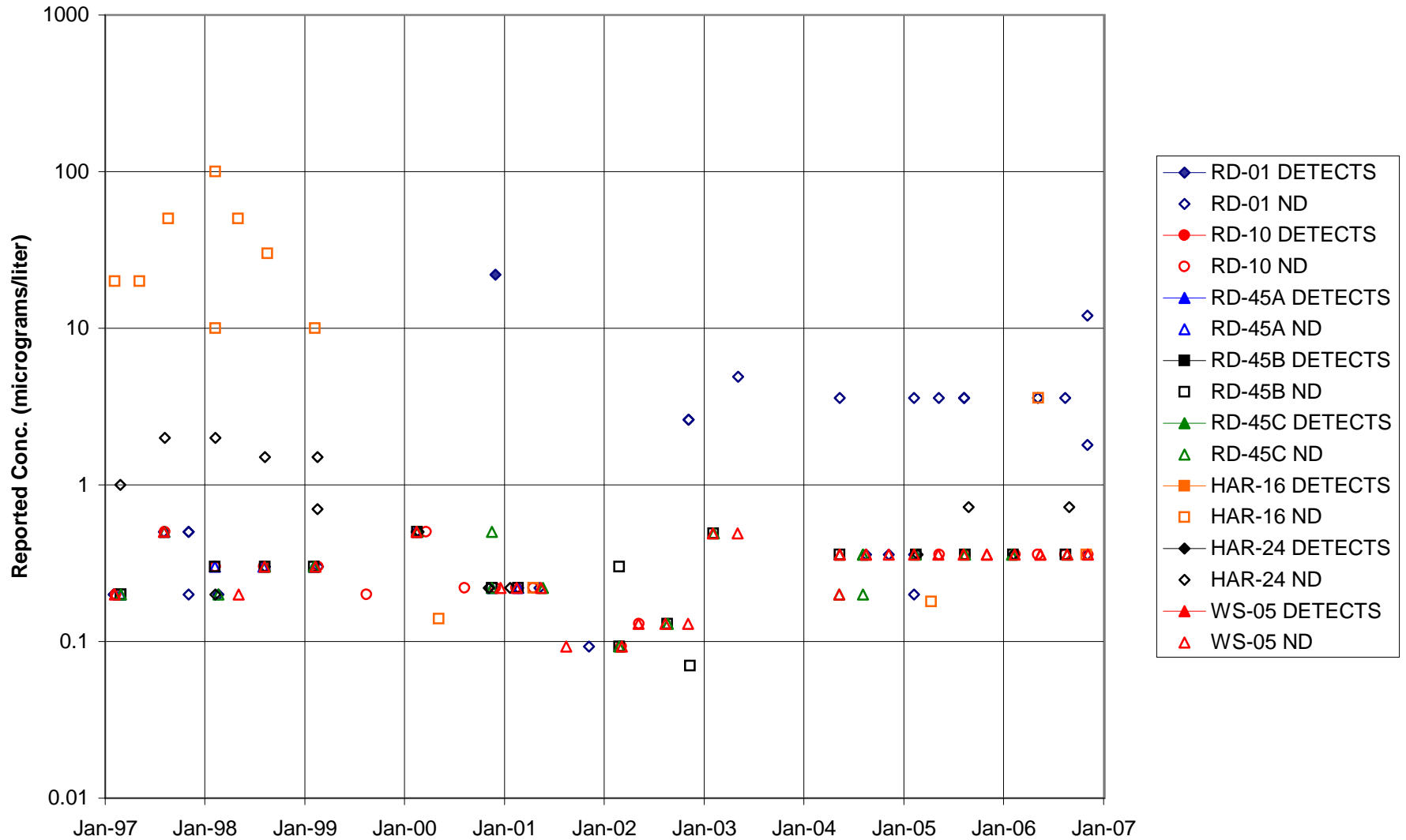


FIGURE F-309. TOLUENE in CTL-III / PERIMETER POND AREA WELLS

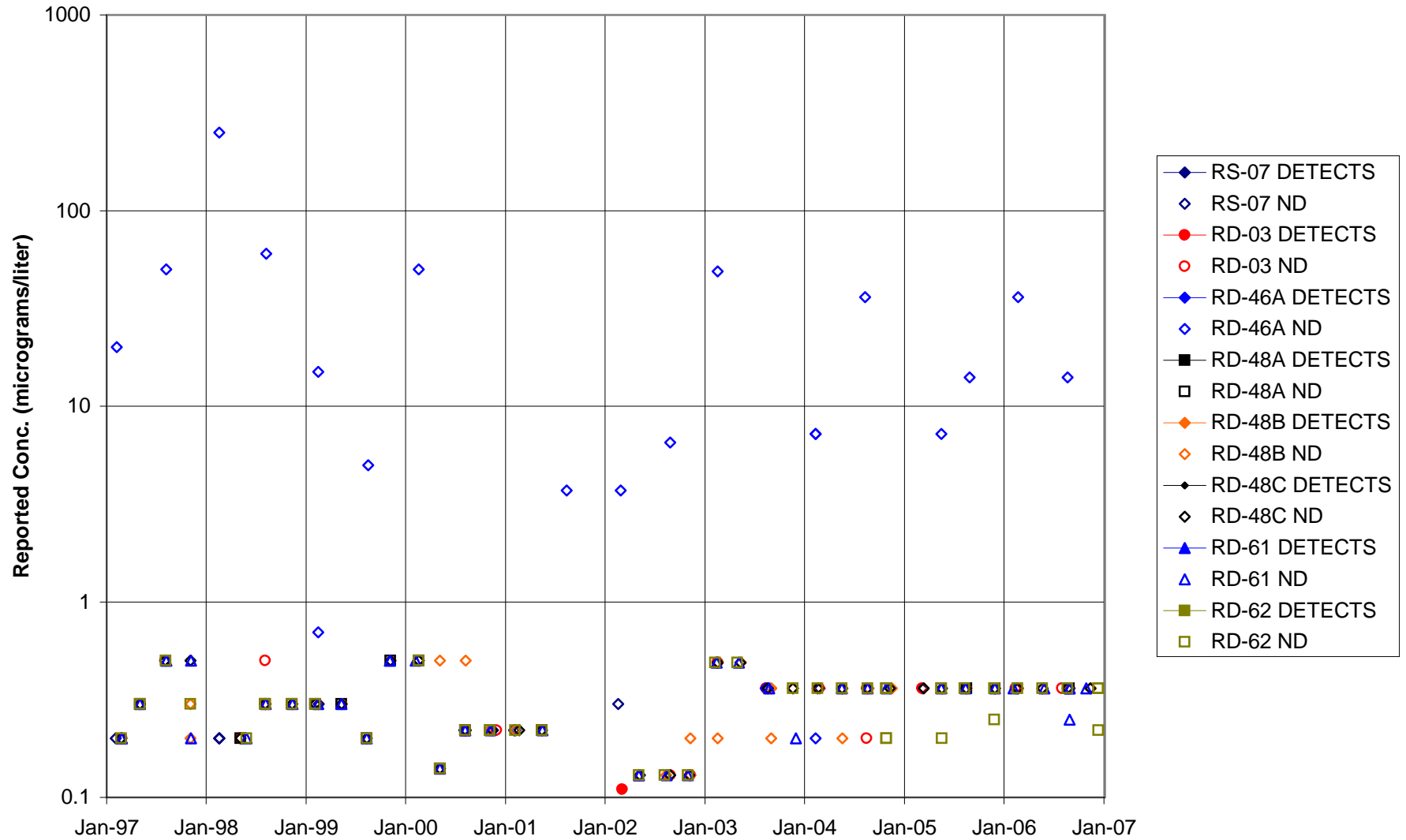


FIGURE F-310. TOLUENE in BOWL AREA WELLS

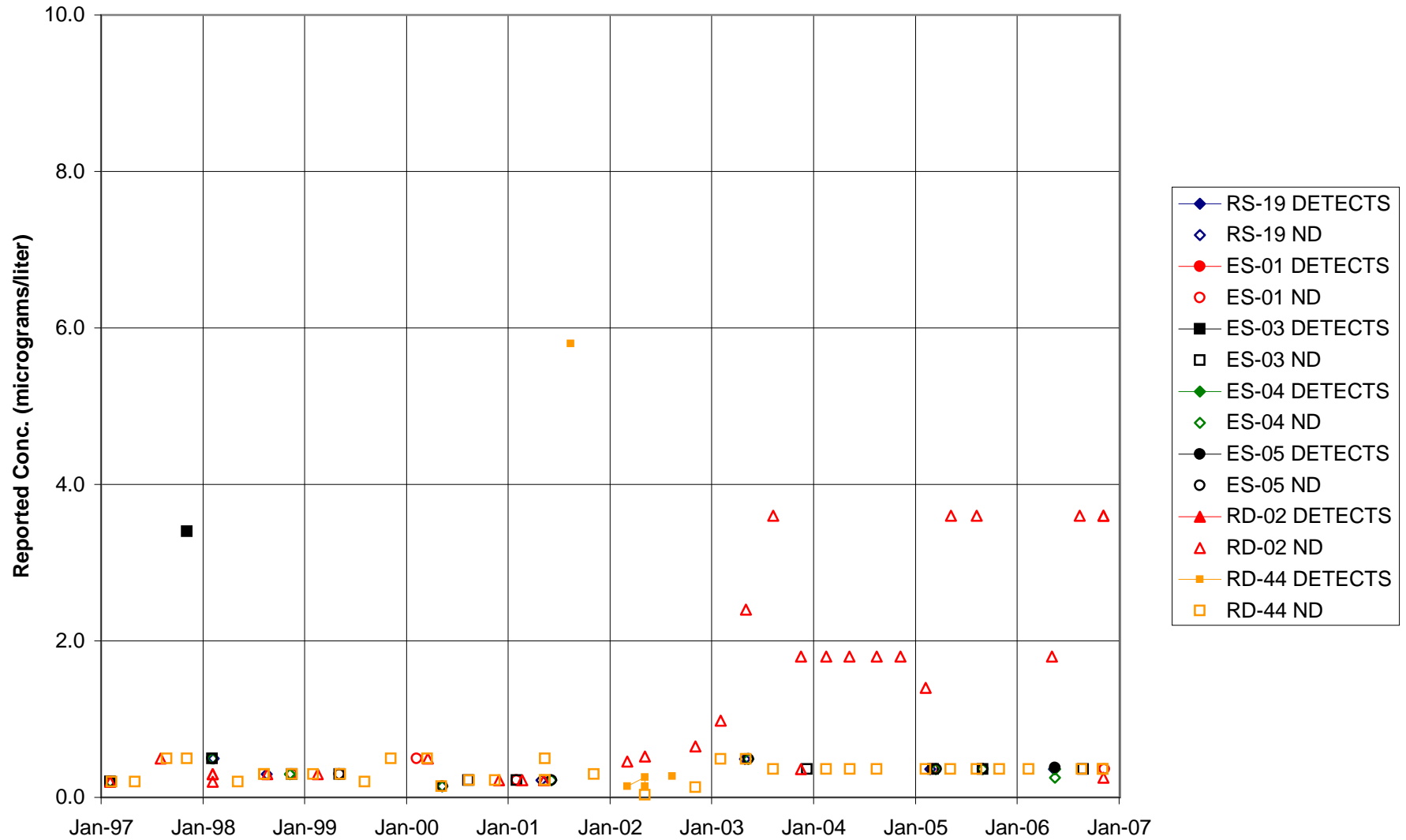


FIGURE F-311. TOLUENE in ECL AREA WELLS



FIGURE F-312. TOLUENE in RD-09 AREA WELLS

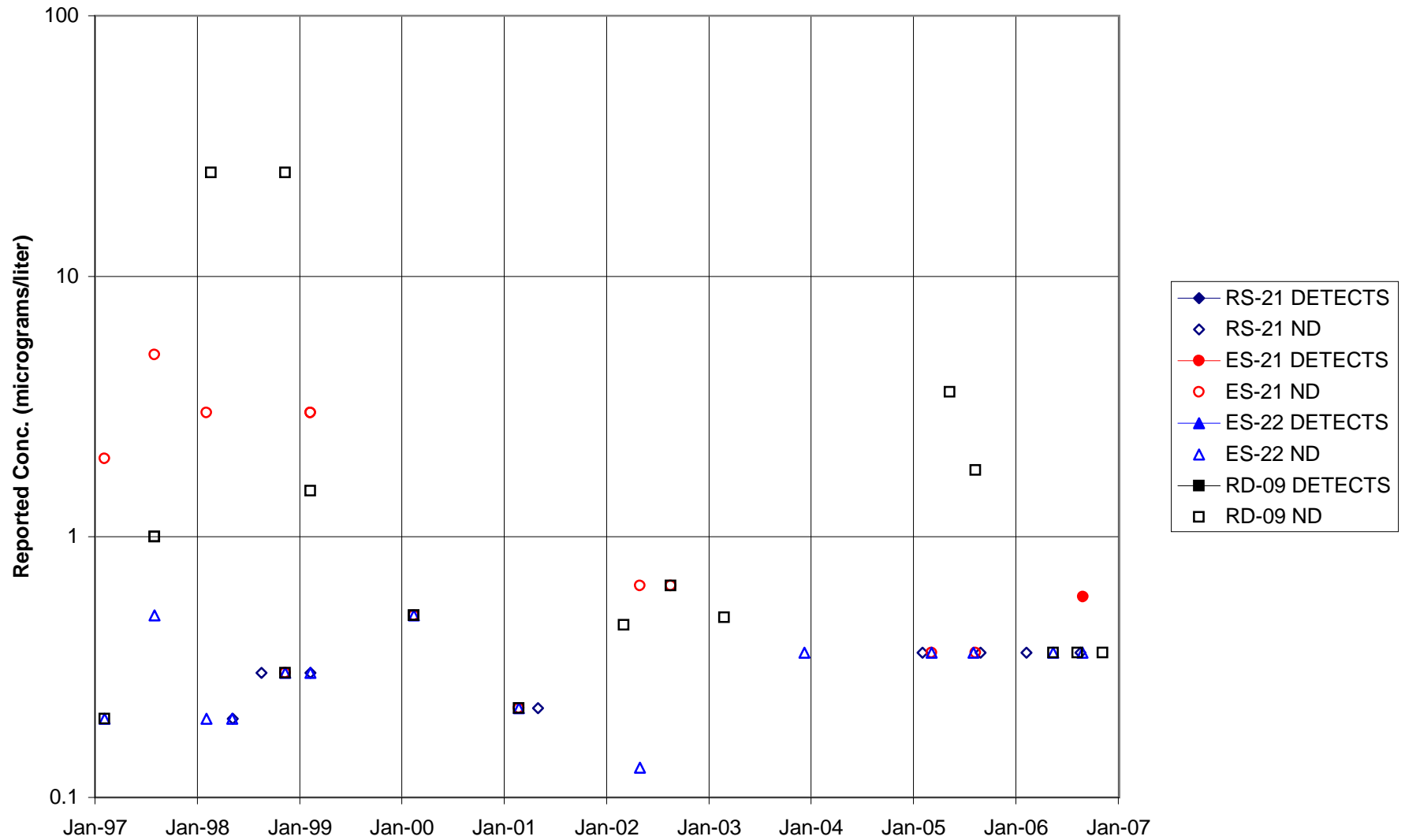


FIGURE F-313. TOLUENE in FORMER LOX PLANT AREA WELLS

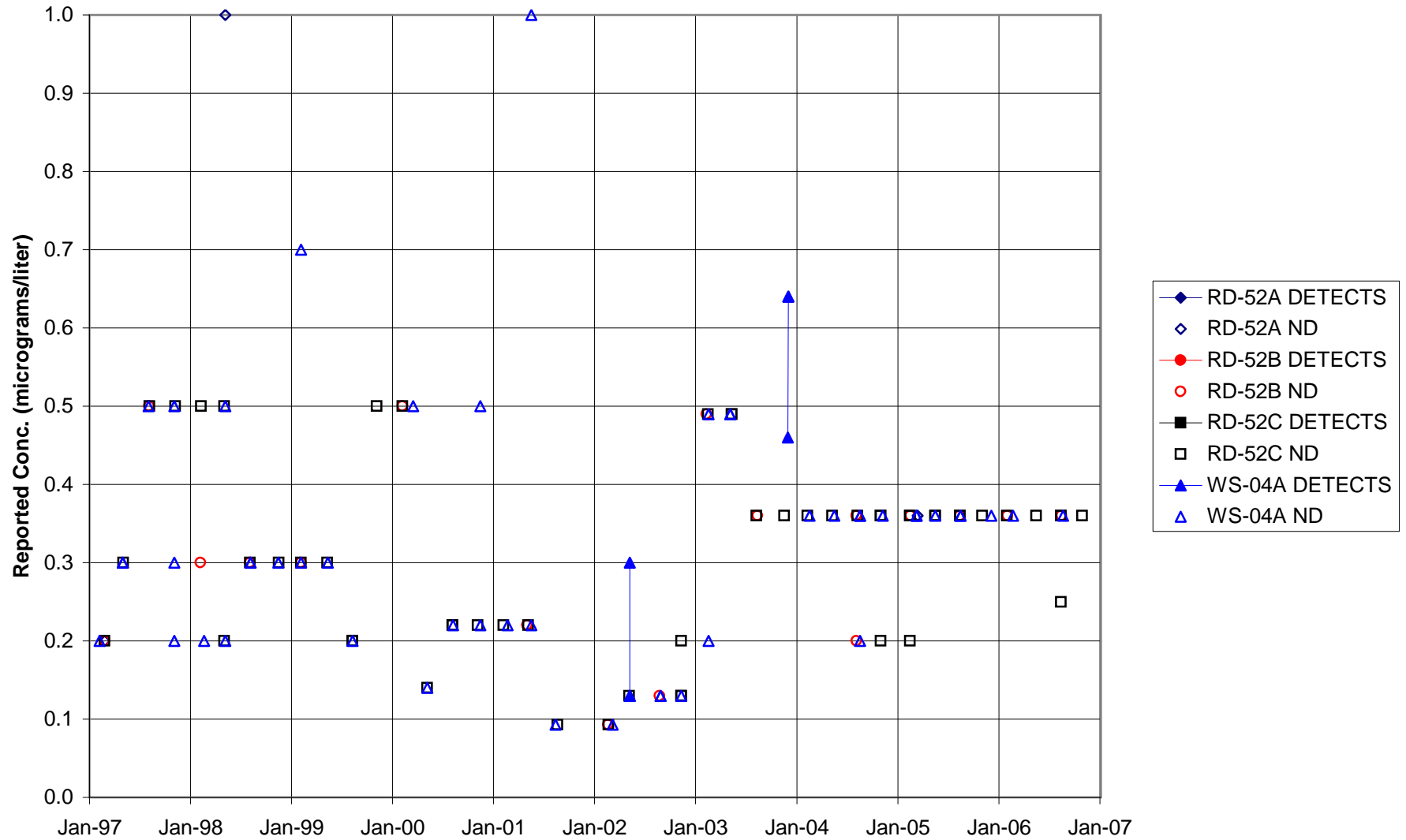


FIGURE F-314. TOLUENE in HELIPORT, B/204 AREA WELLS

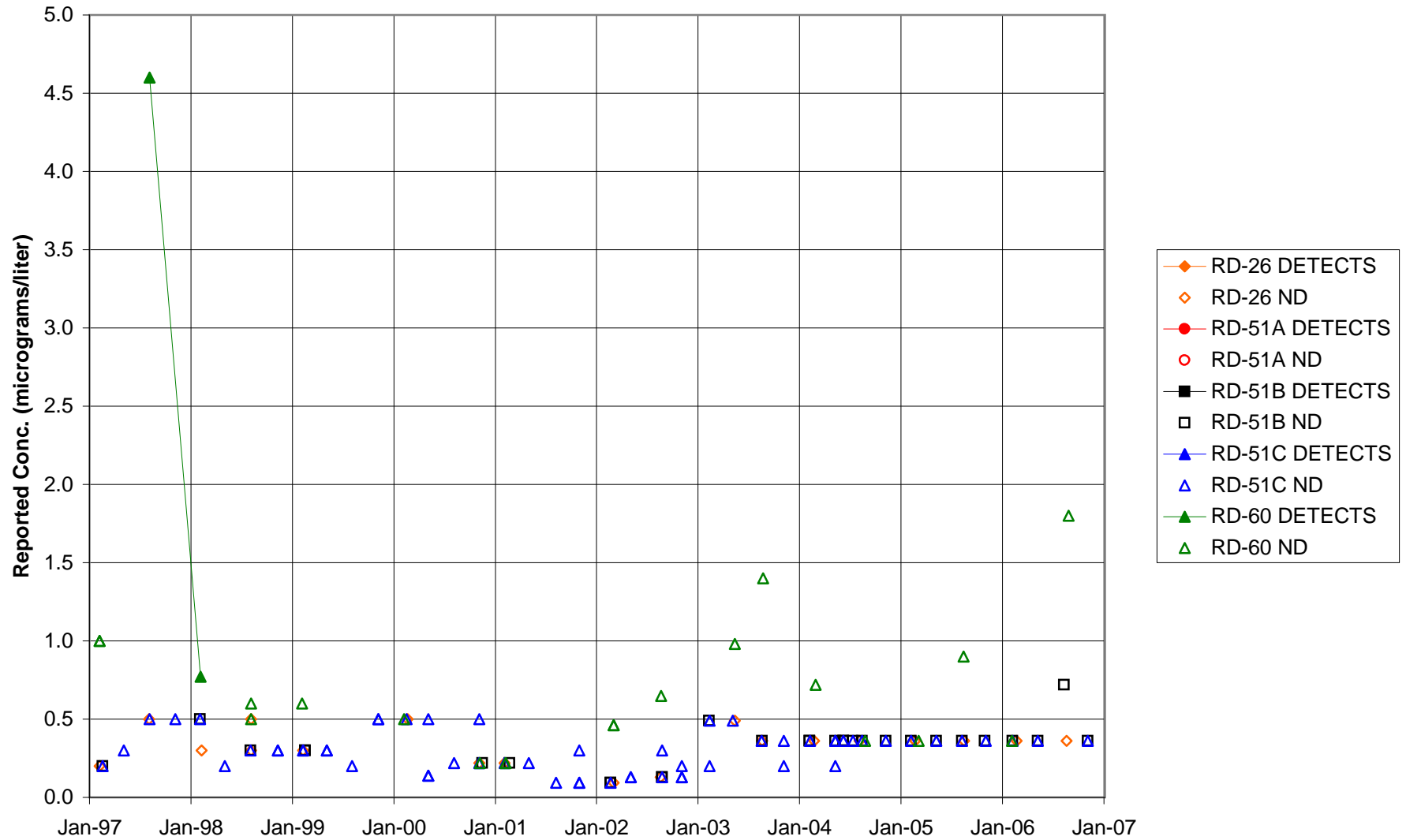


FIGURE F-315. TOLUENE in ALFA / BRAVO AREA WELLS

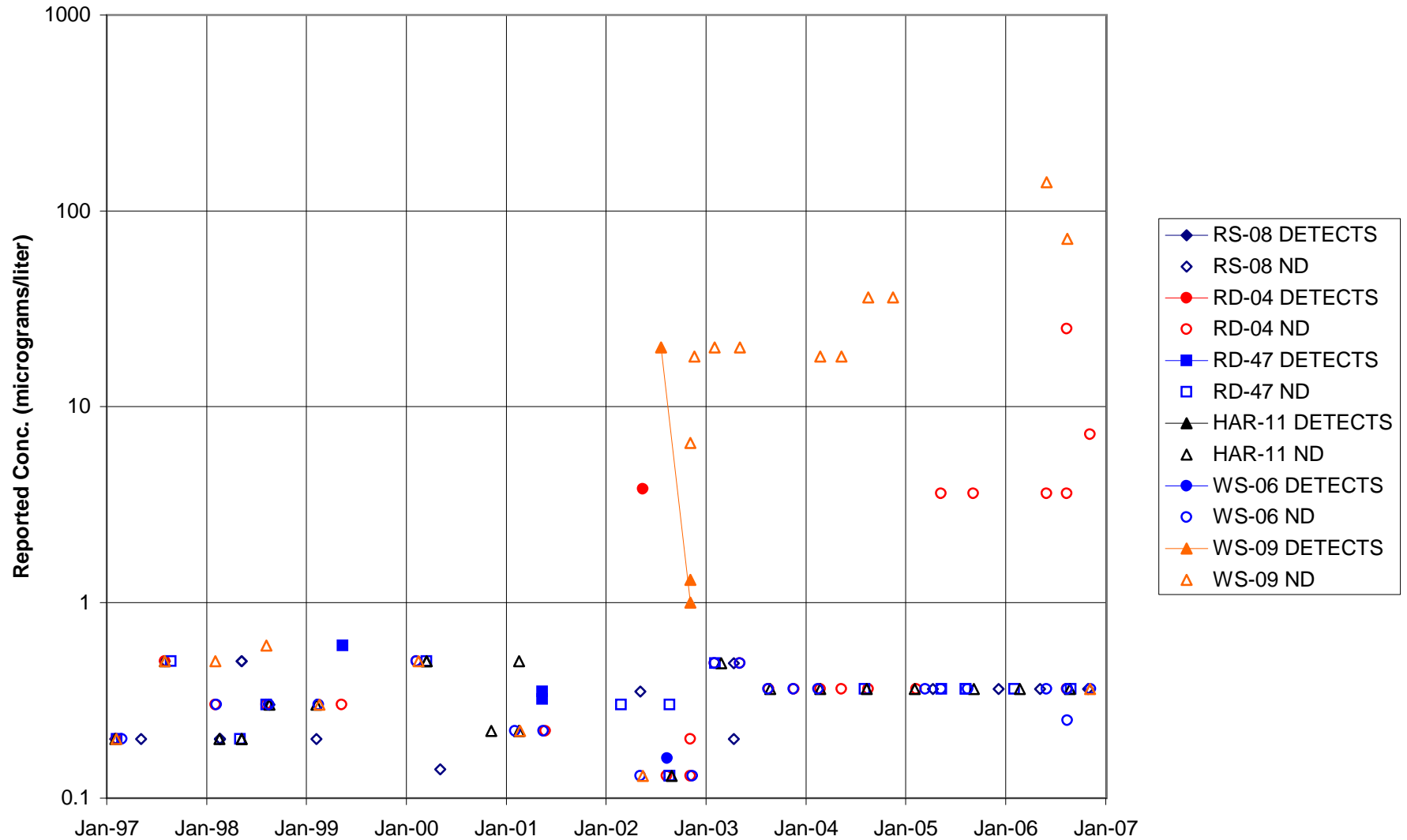


FIGURE F-316. TOLUENE in SPA AREA WELLS

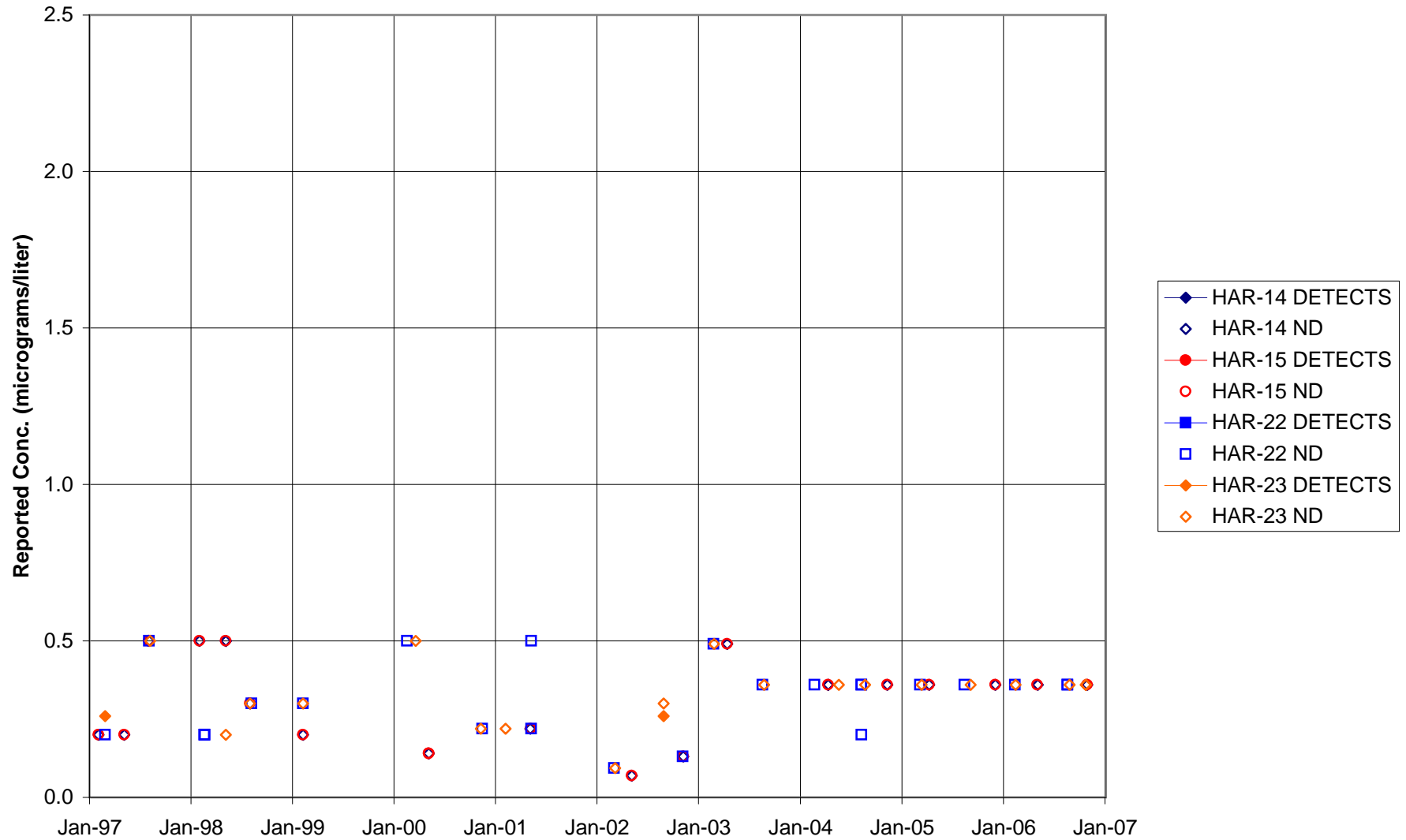


FIGURE F-317. TOLUENE in COCA / PLF AREA WELLS

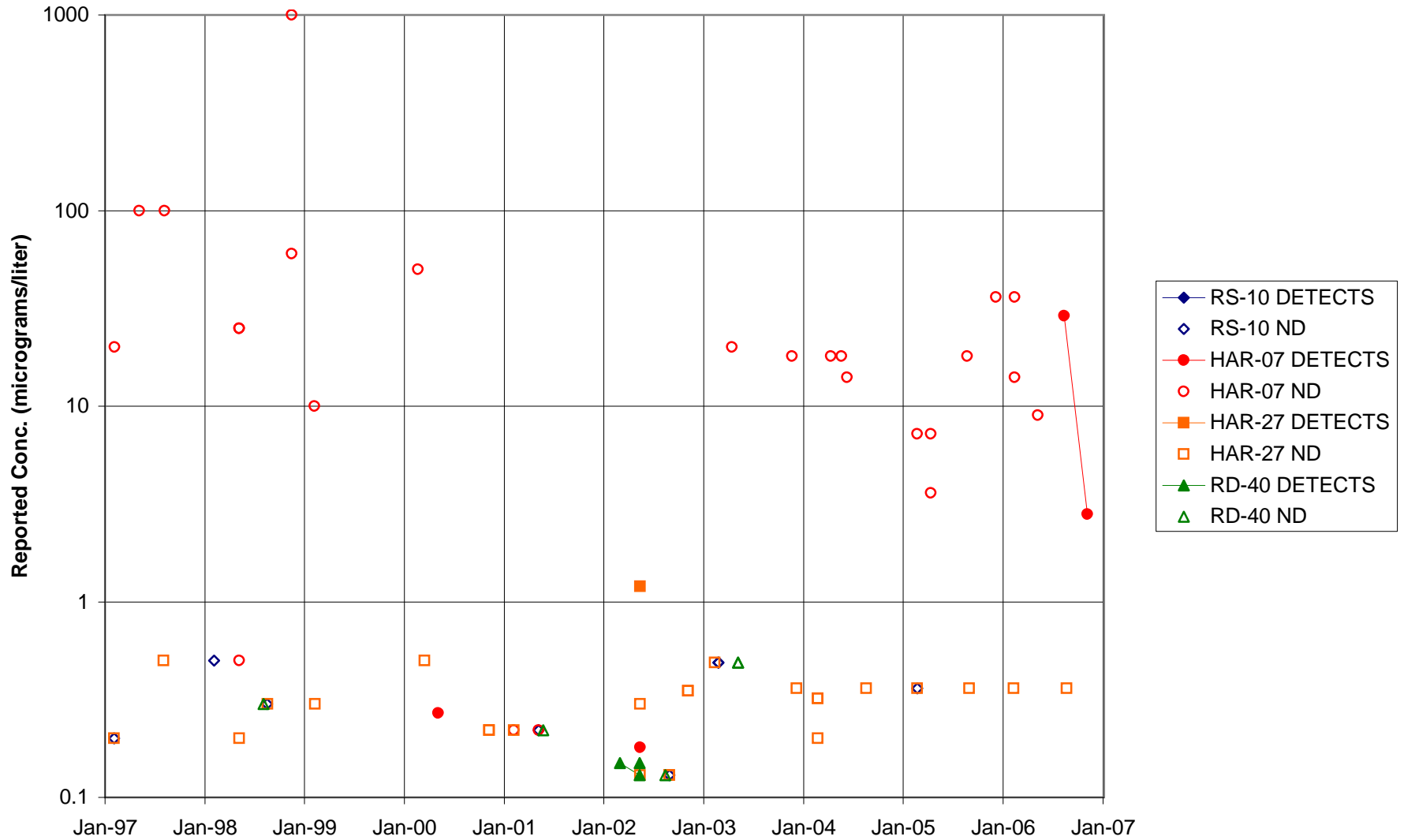


FIGURE F-318. TOLUENE in DELTA / BUFFER ZONE AREA WELLS

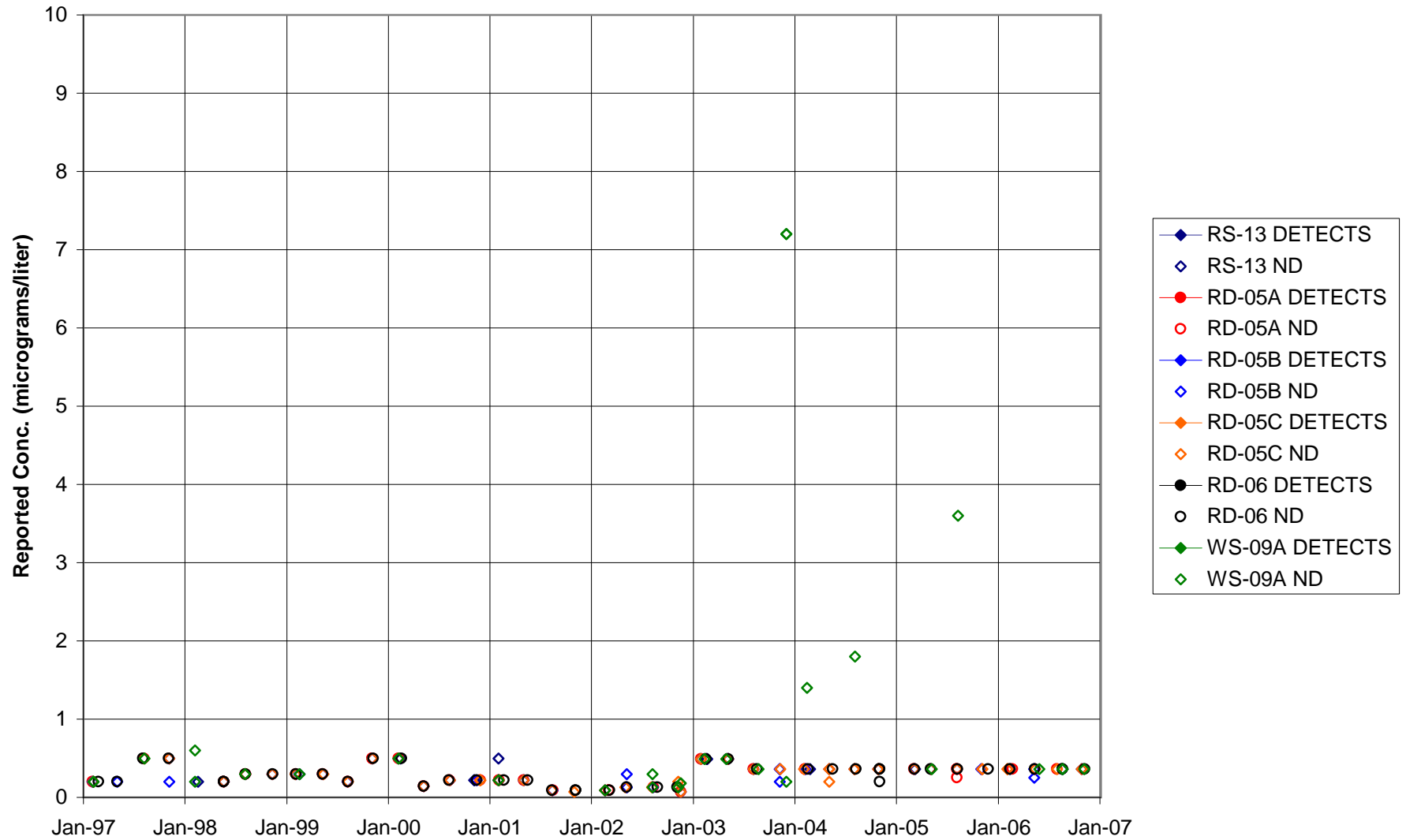


FIGURE F-319. TOLUENE in AREA IV WELLS

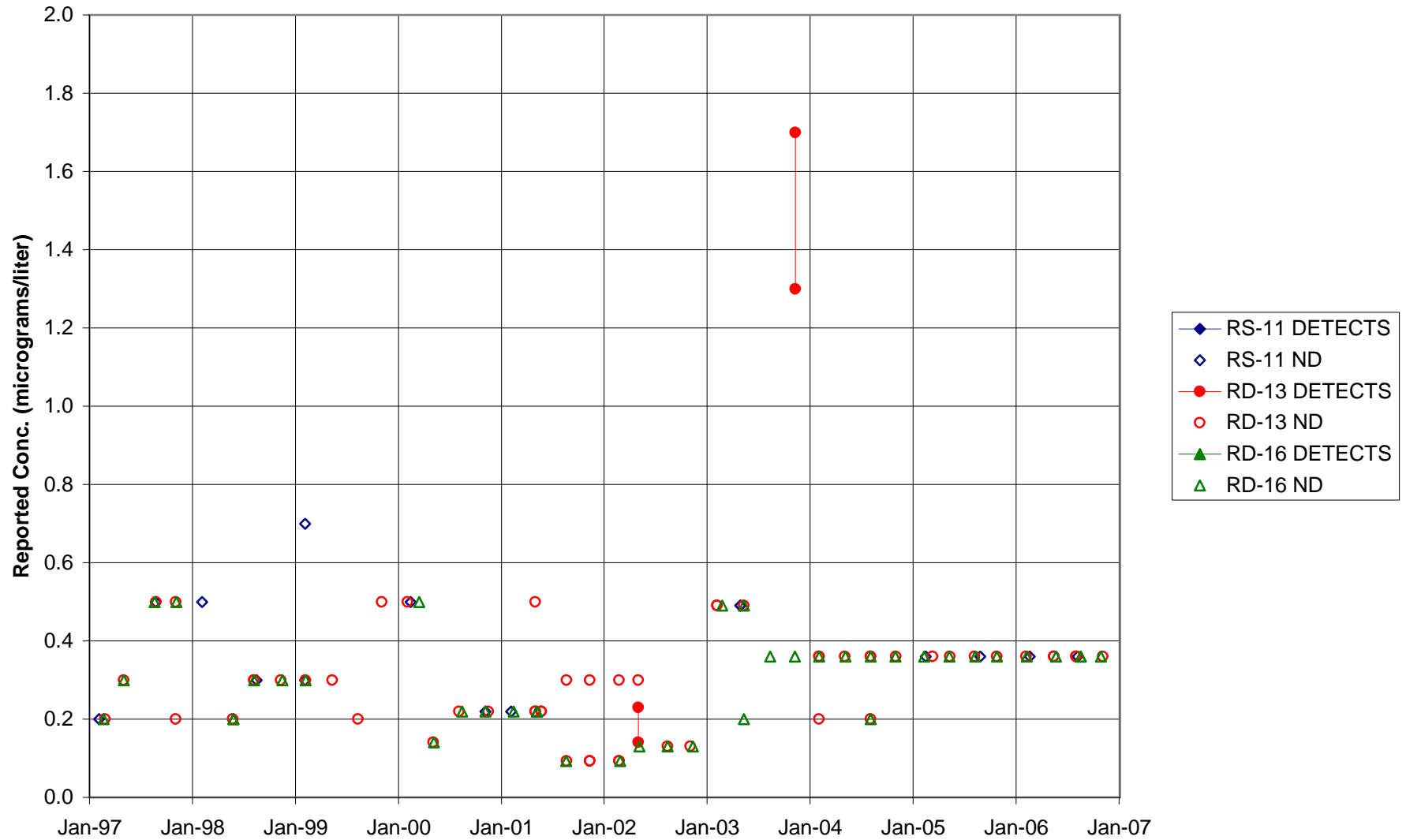


FIGURE F-320. TRANS-1,2-DCE in STL-IV AREA SHALLOW WELLS

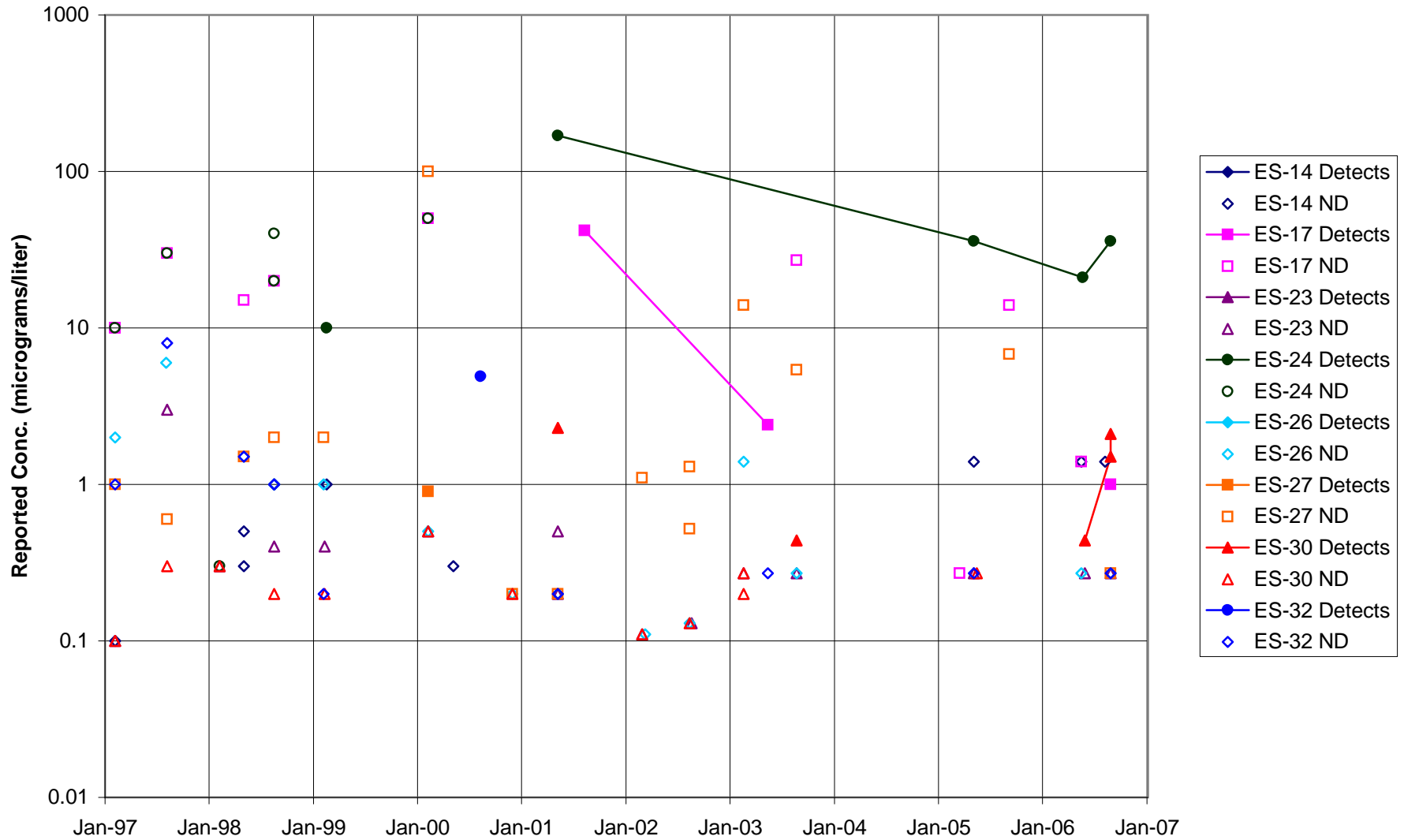


FIGURE F-321. TRANS-1,2-DCE in STL-IV AREA CHATSWORTH FORMATION WELLS

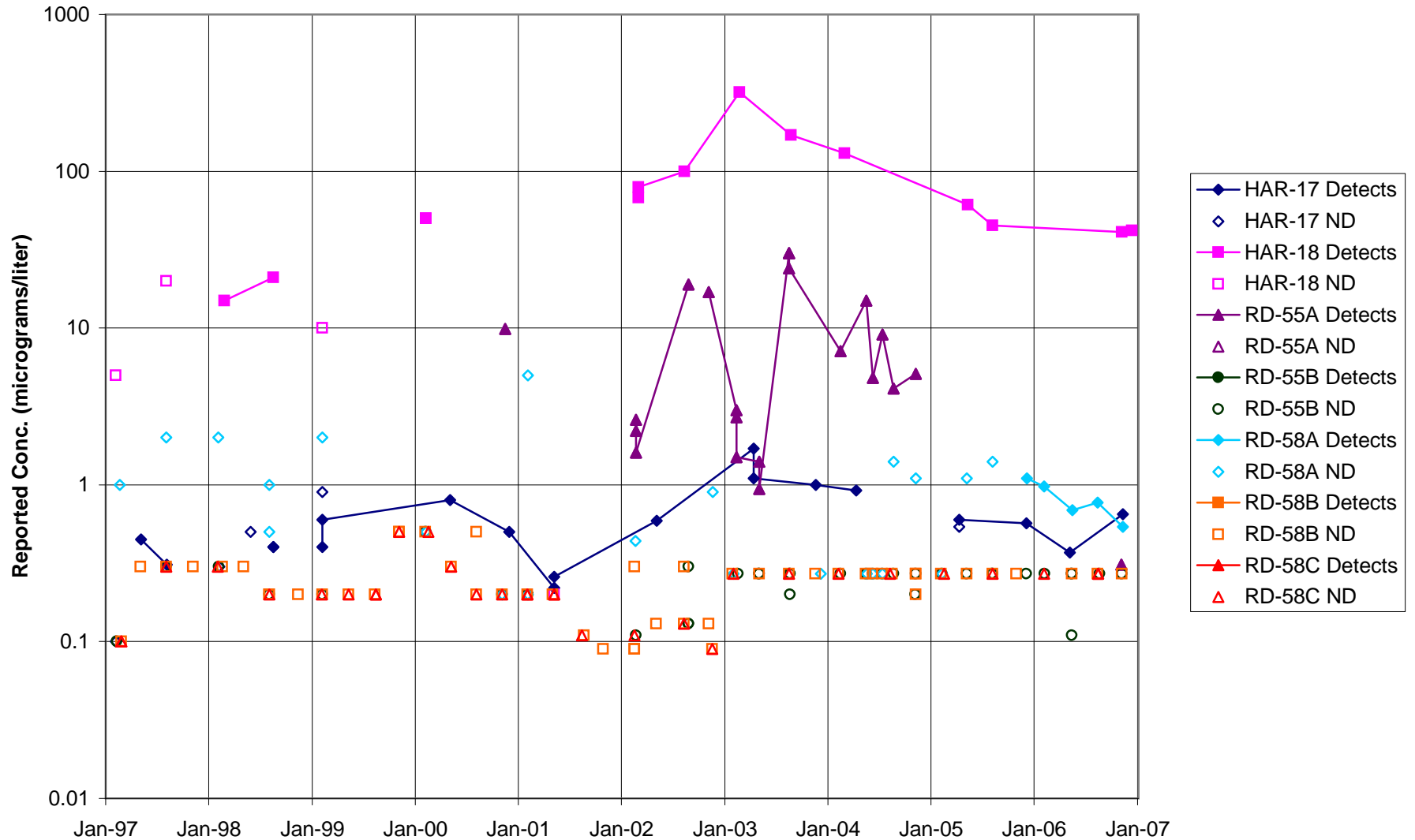


FIGURE F-322. TRANS-1,2-DCE in MAIN GATE AREA WELLS - 1

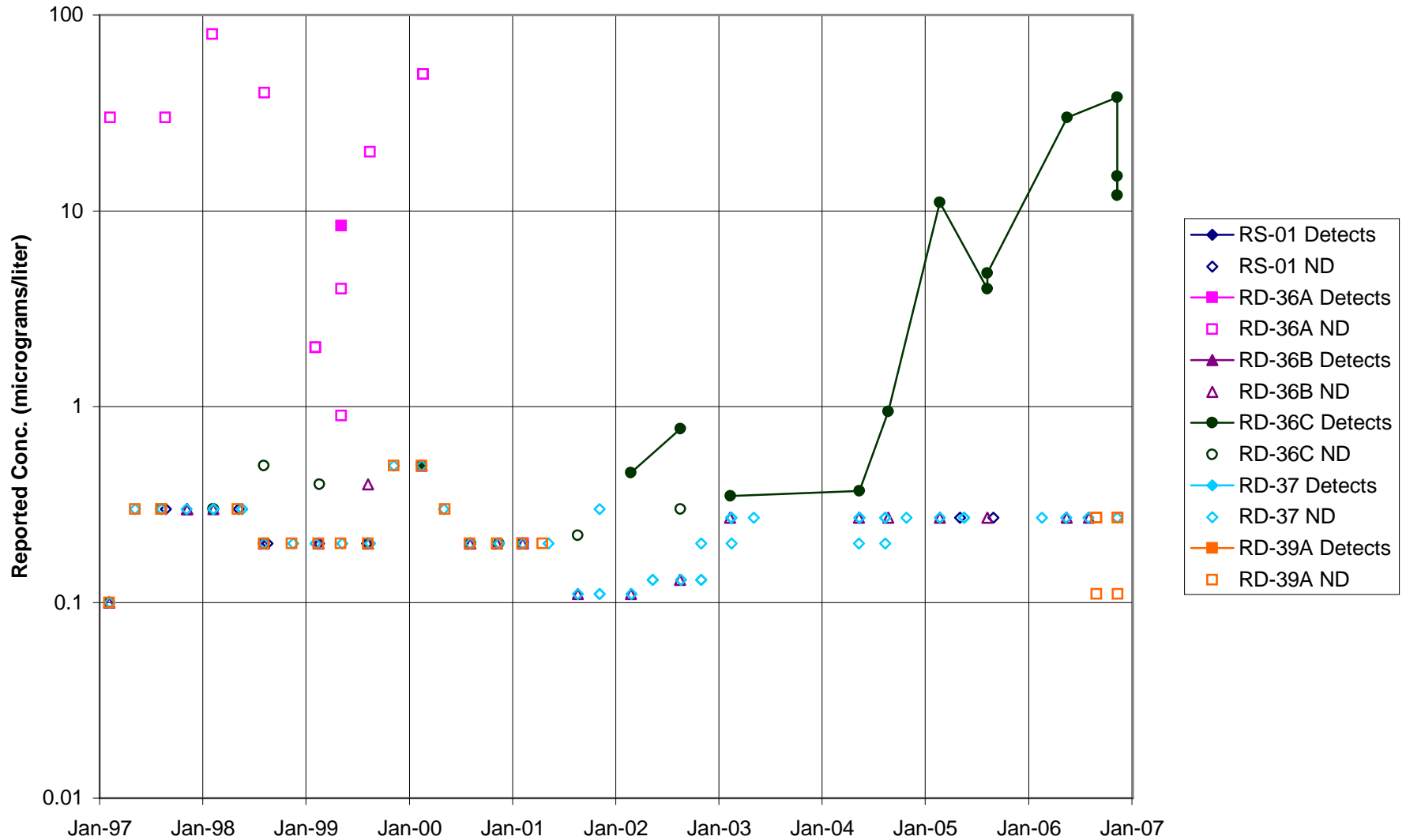


FIGURE F-323. TRANS-1,2-DCE in MAIN GATE AREA WELLS - 2

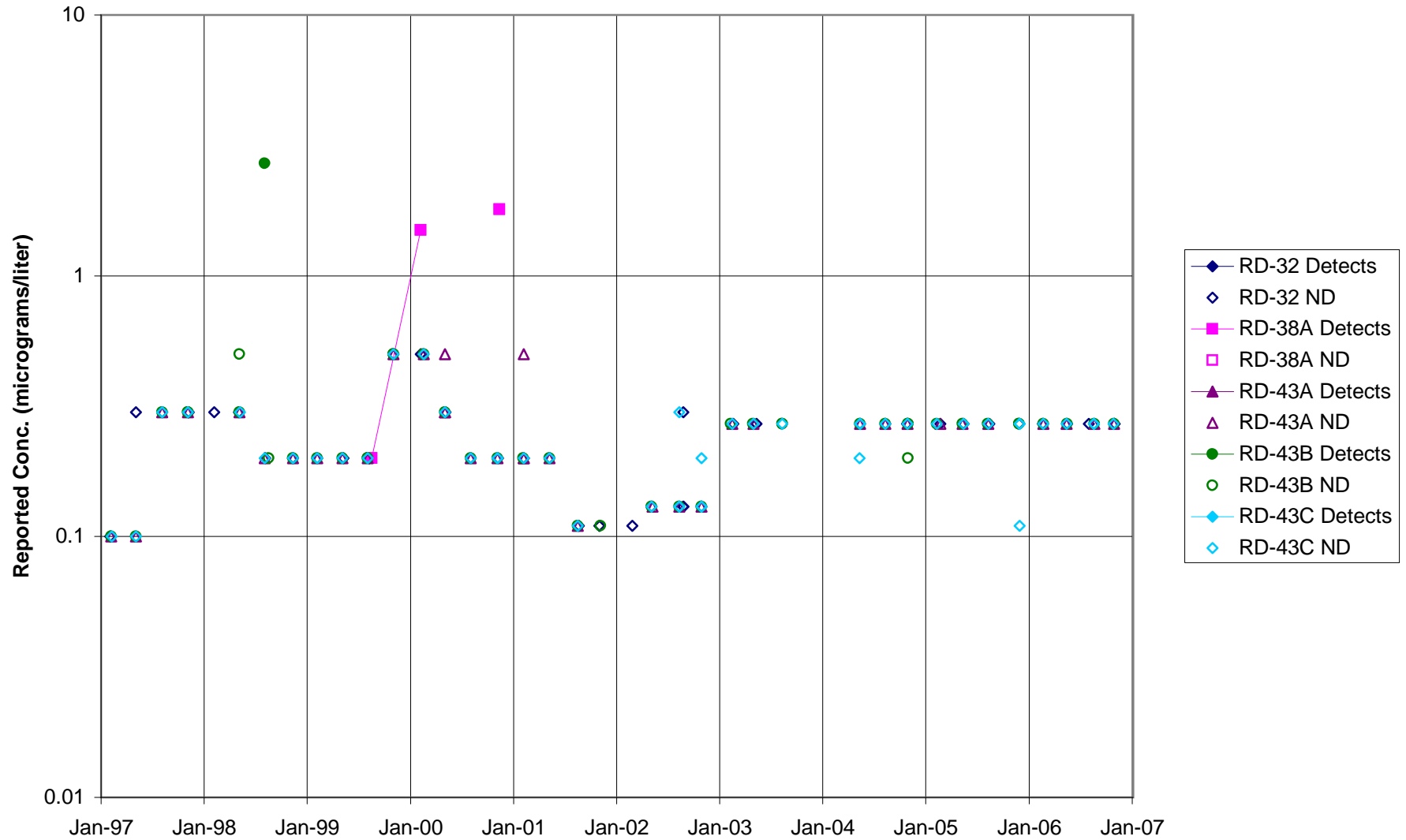


FIGURE F-324. TRANS-1,2-DCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1

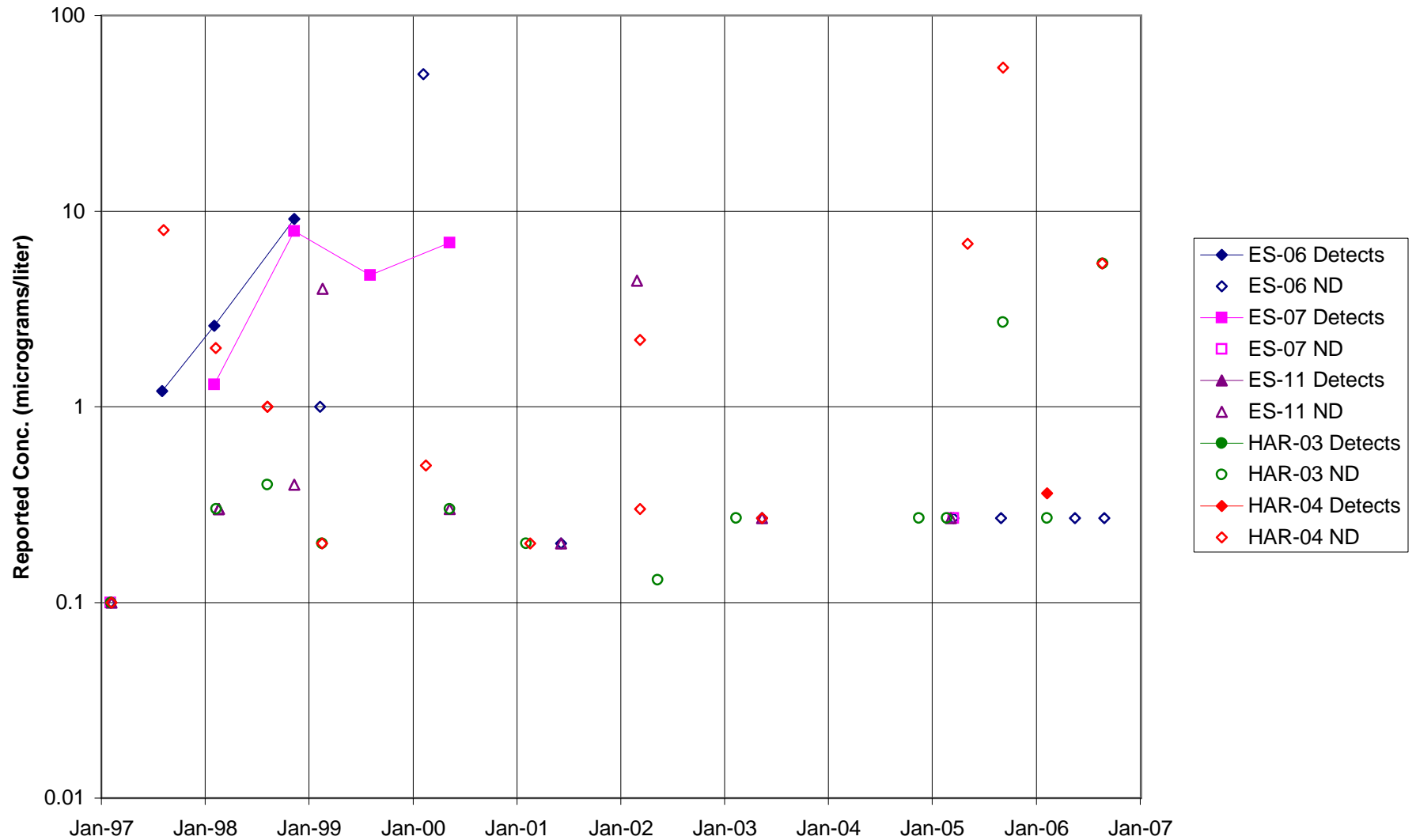


FIGURE F-325. TRANS-1,2-DCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

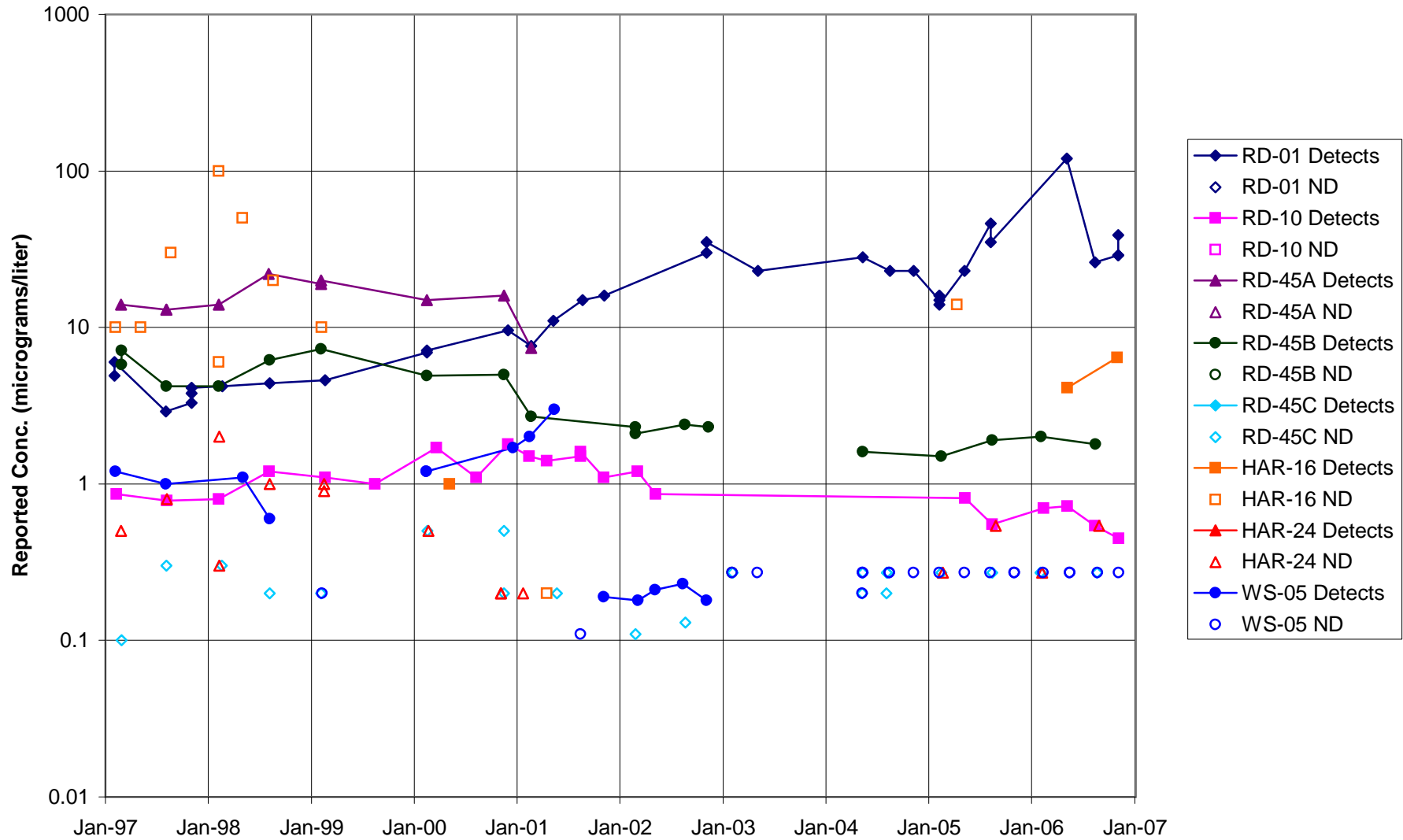


FIGURE F-326. TRANS-1,2-DCE in CTL-III / PERIMETER POND AREA WELLS

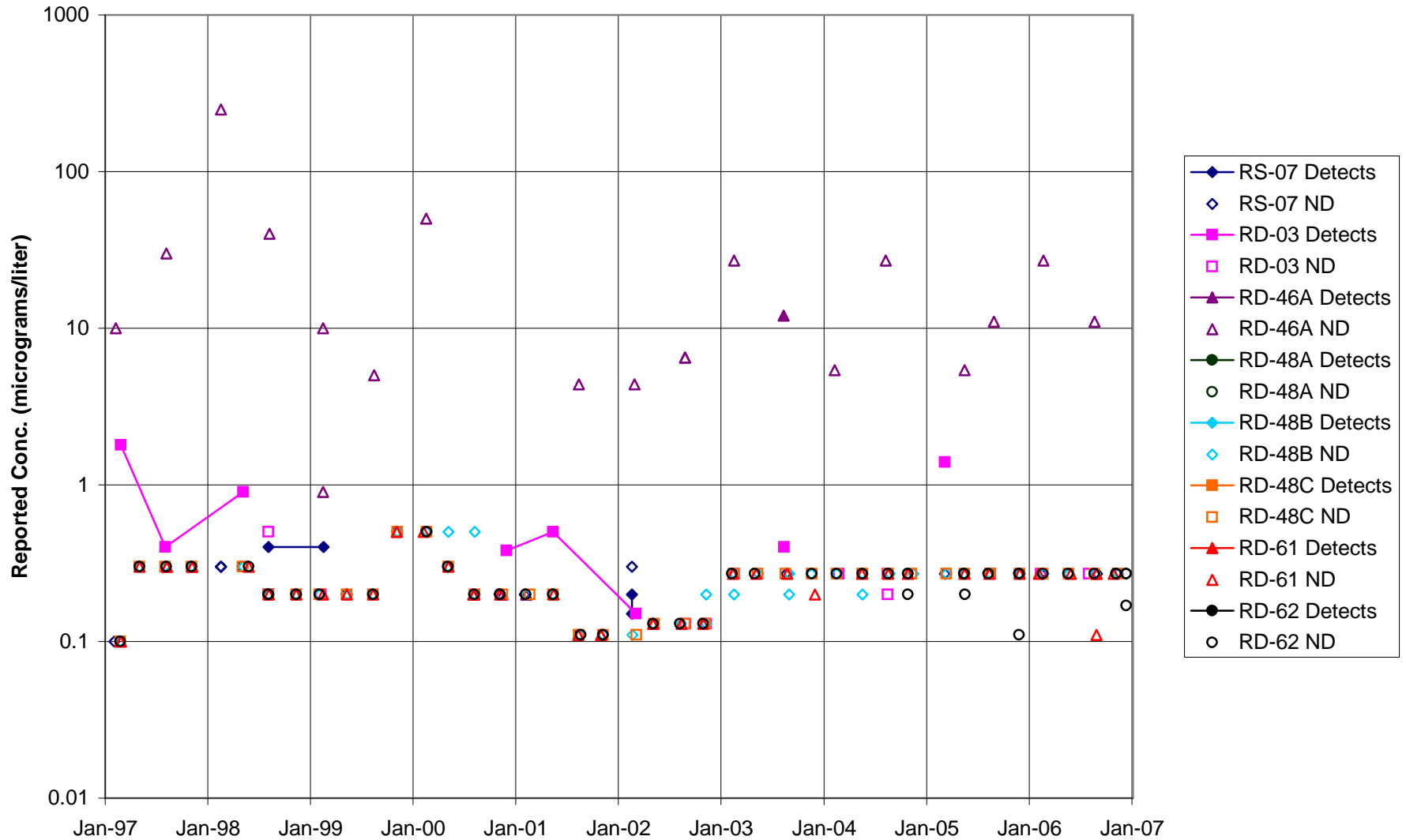


FIGURE F-327. TRANS-1,2-DCE in BOWL AREA WELLS

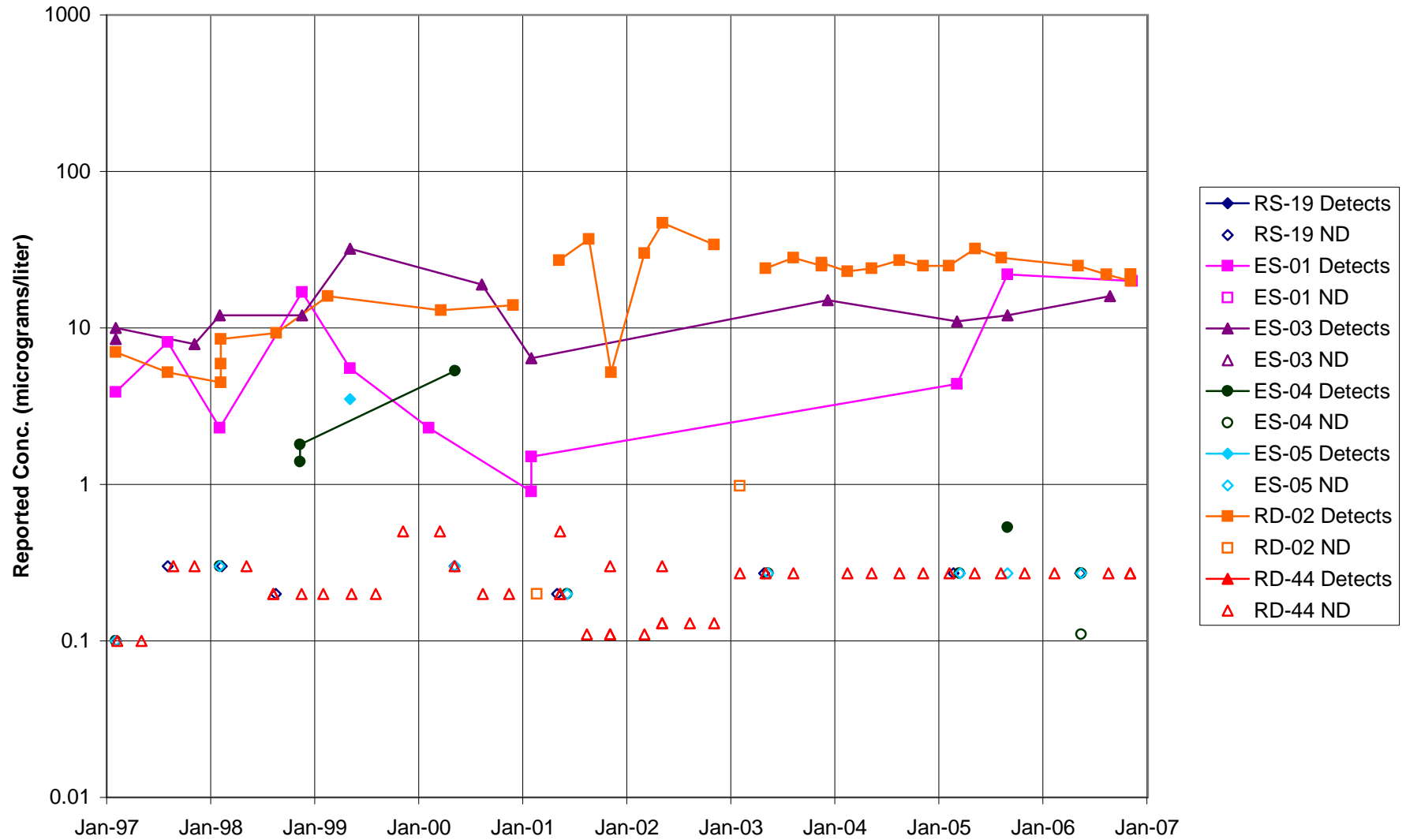


FIGURE F-328. TRANS-1,2-DCE in ECL AREA WELLS

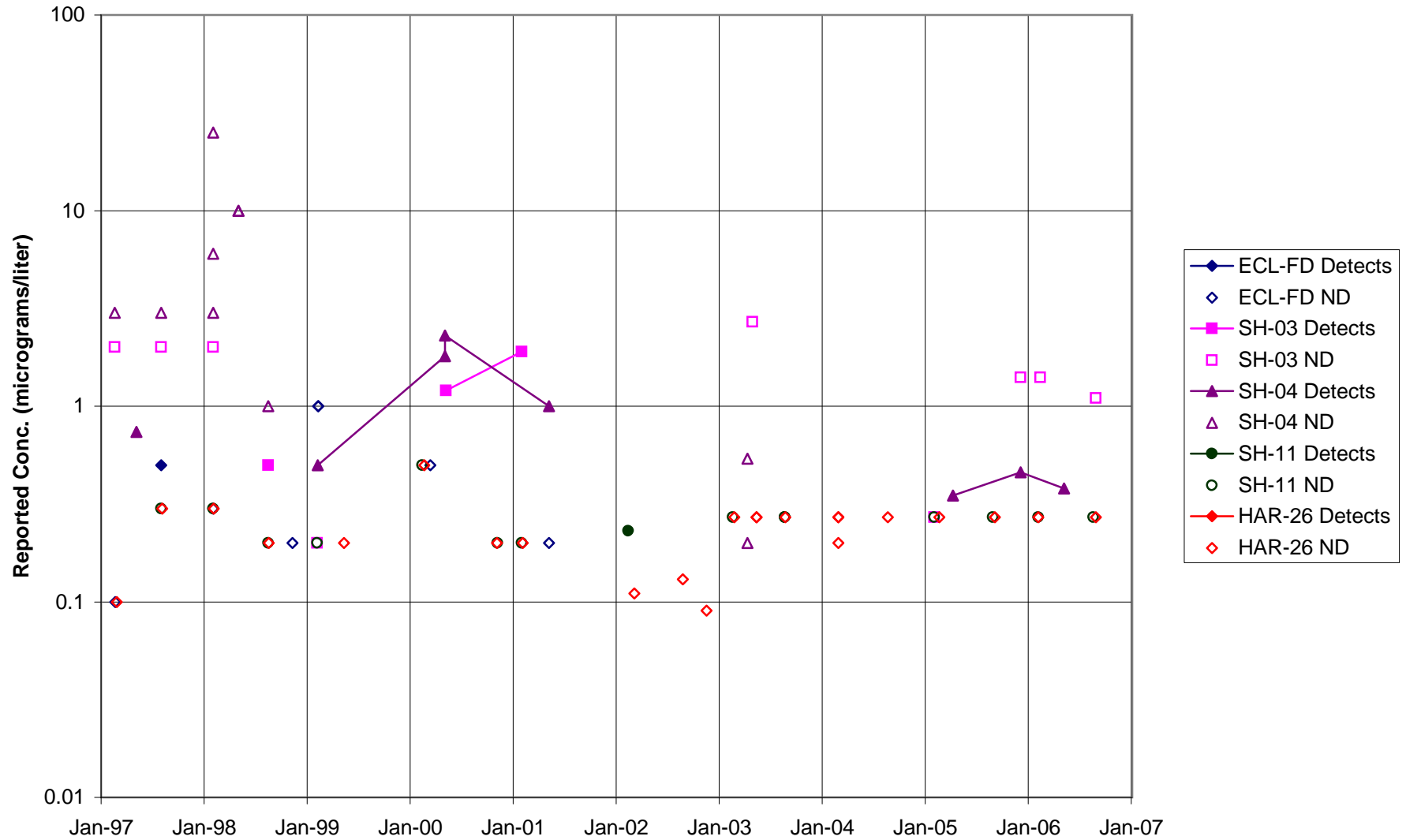


FIGURE F-329. TRANS-1,2-DCE in FORMER LOX PLANT AREA WELLS

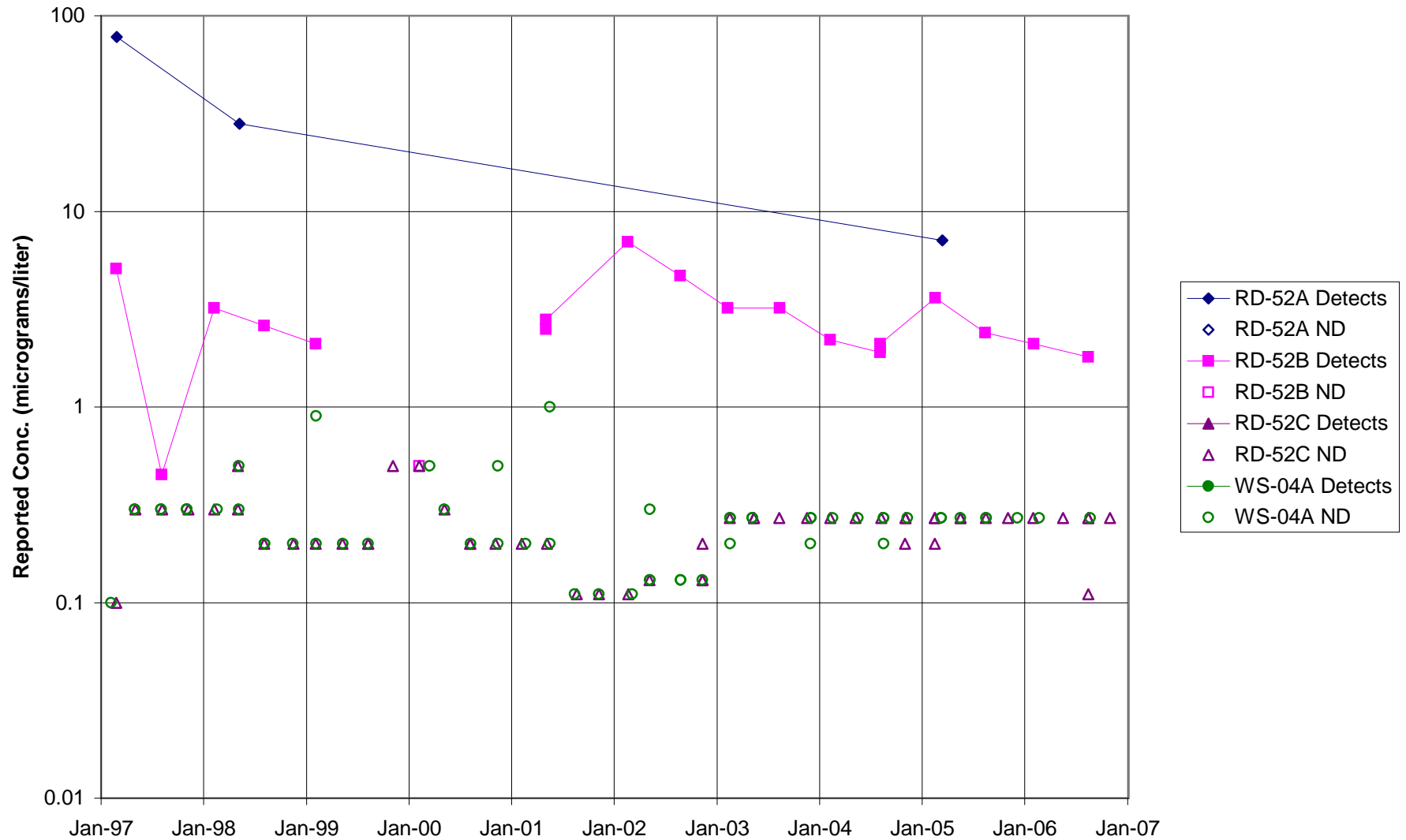


FIGURE F-330. TRANS-1,2-DCE in RD-09 AREA WELLS



FIGURE F-331. TRANS-1,2-DCE in HELIPORT, B/204 AREA WELLS

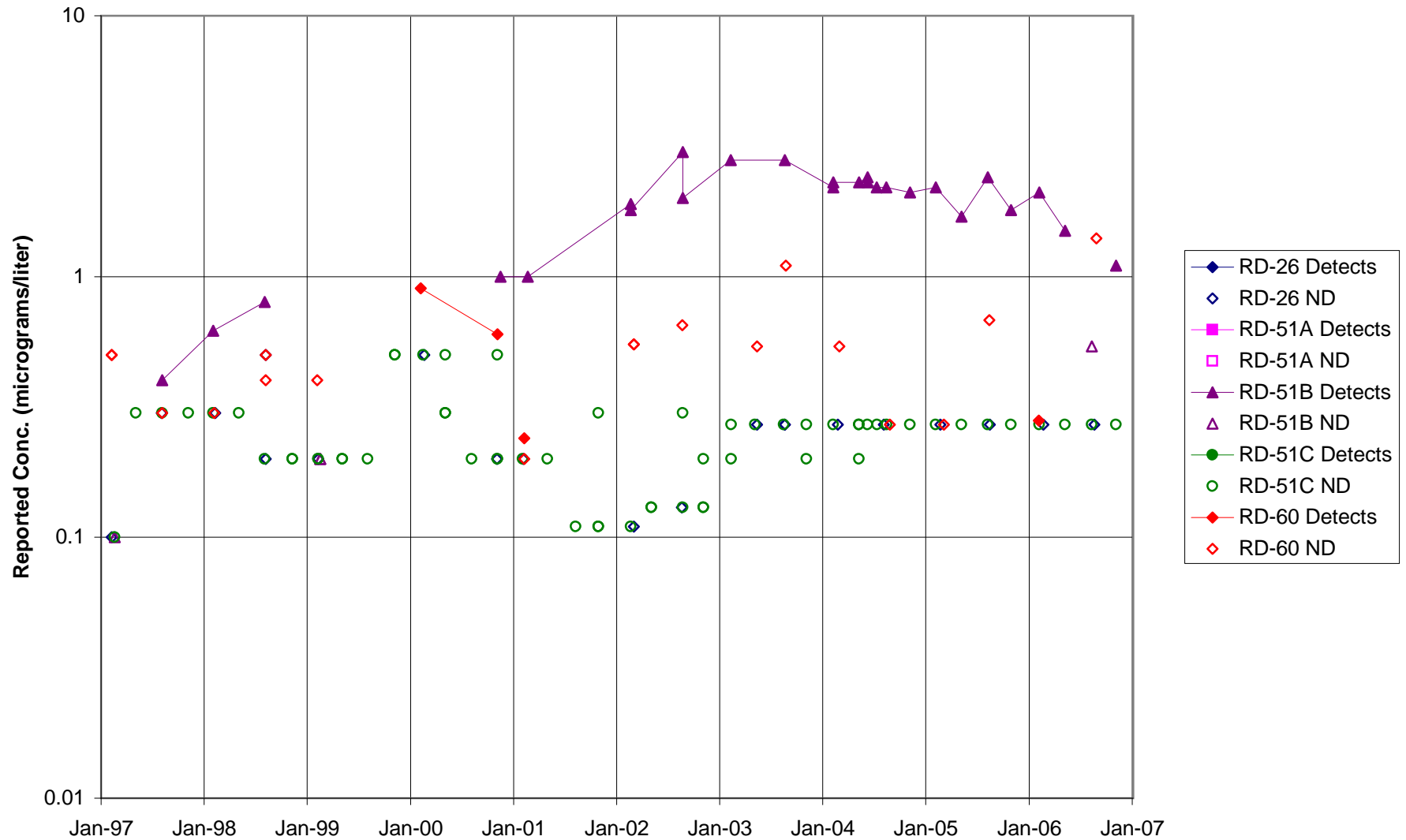


FIGURE F-332. TRANS-1,2-DCE in ALFA / BRAVO AREA WELLS

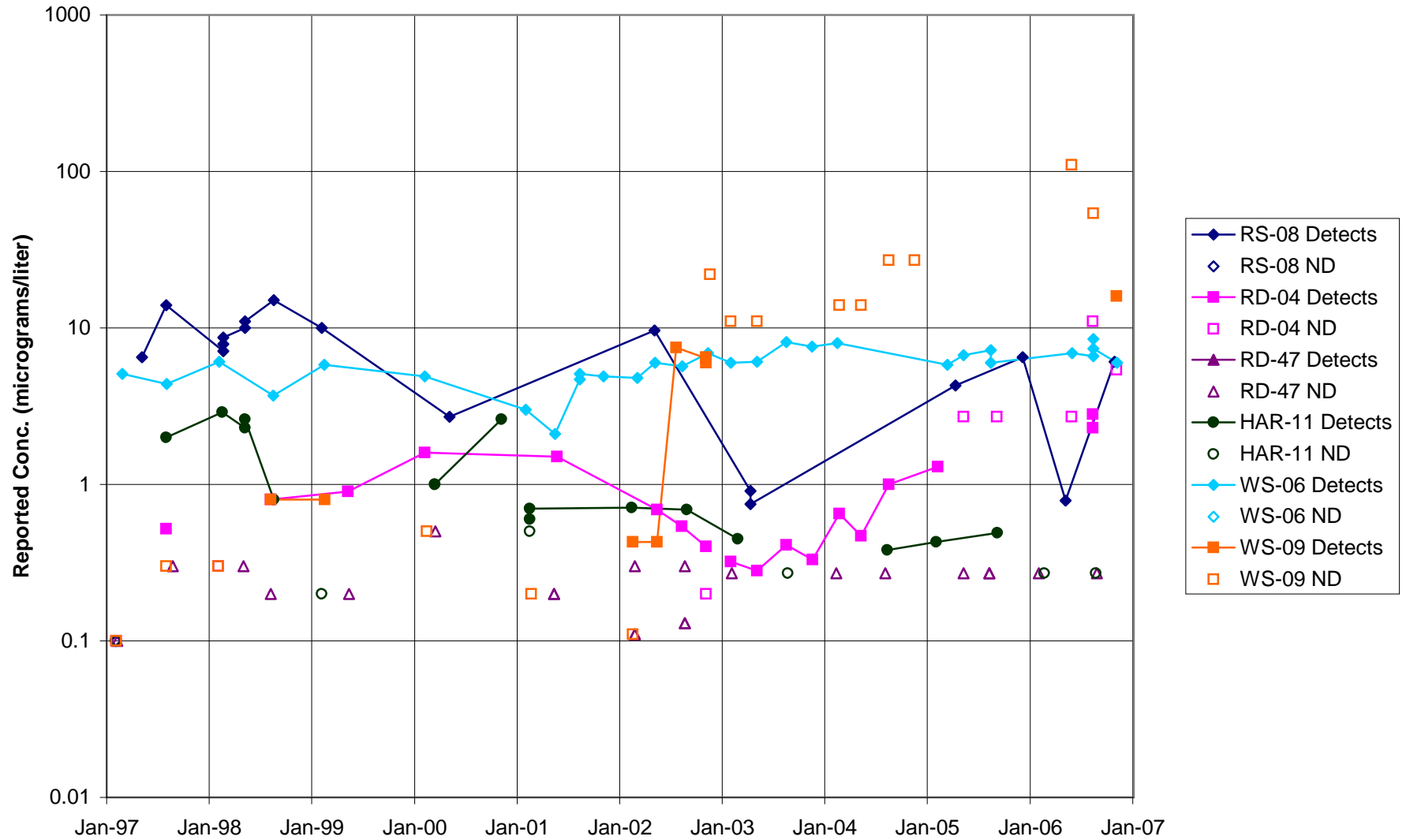


FIGURE F-333. TRANS-1,2-DCE in SPA AREA WELLS

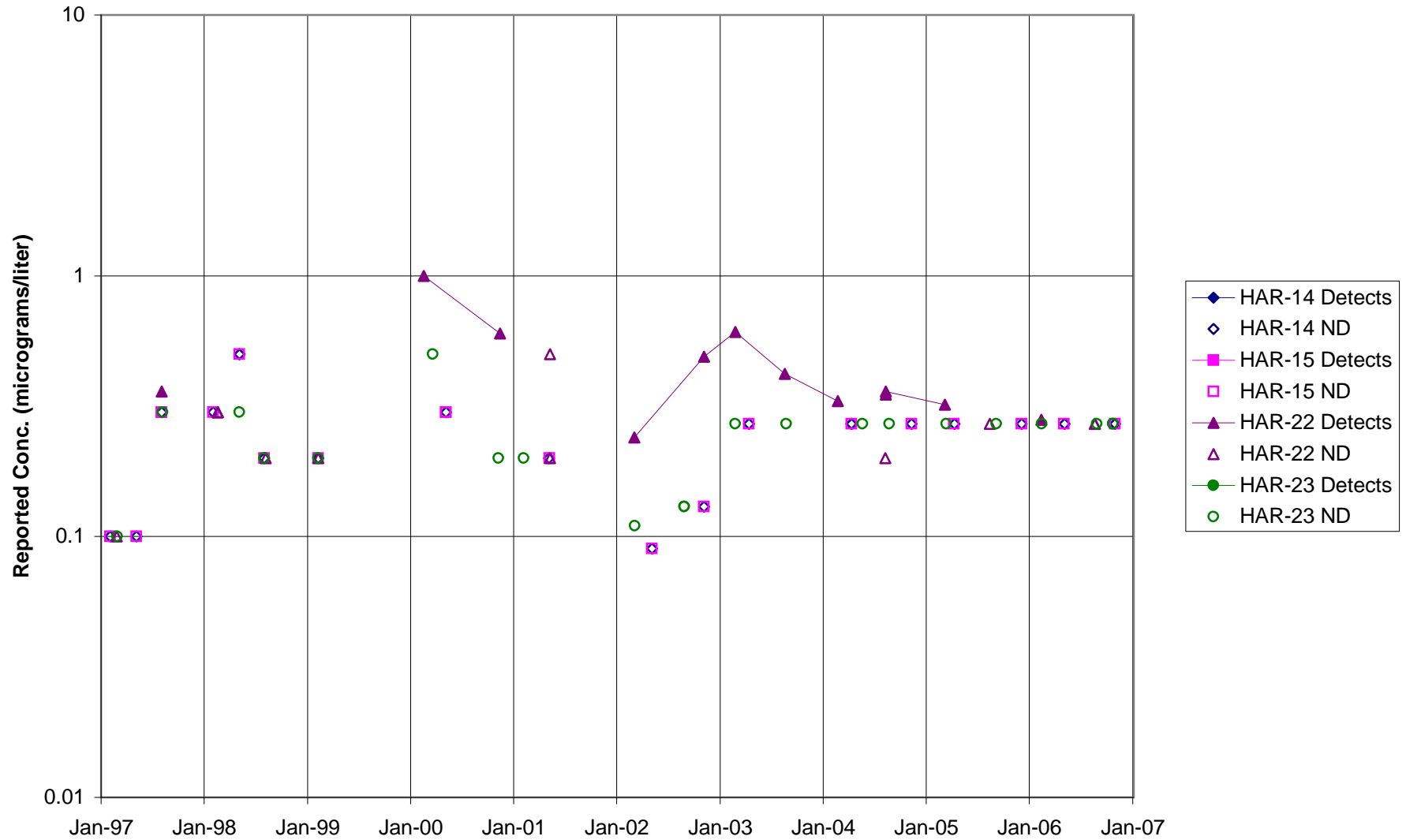


FIGURE F-334. TRANS-1,2-DCE in COCA / PLF AREA WELLS

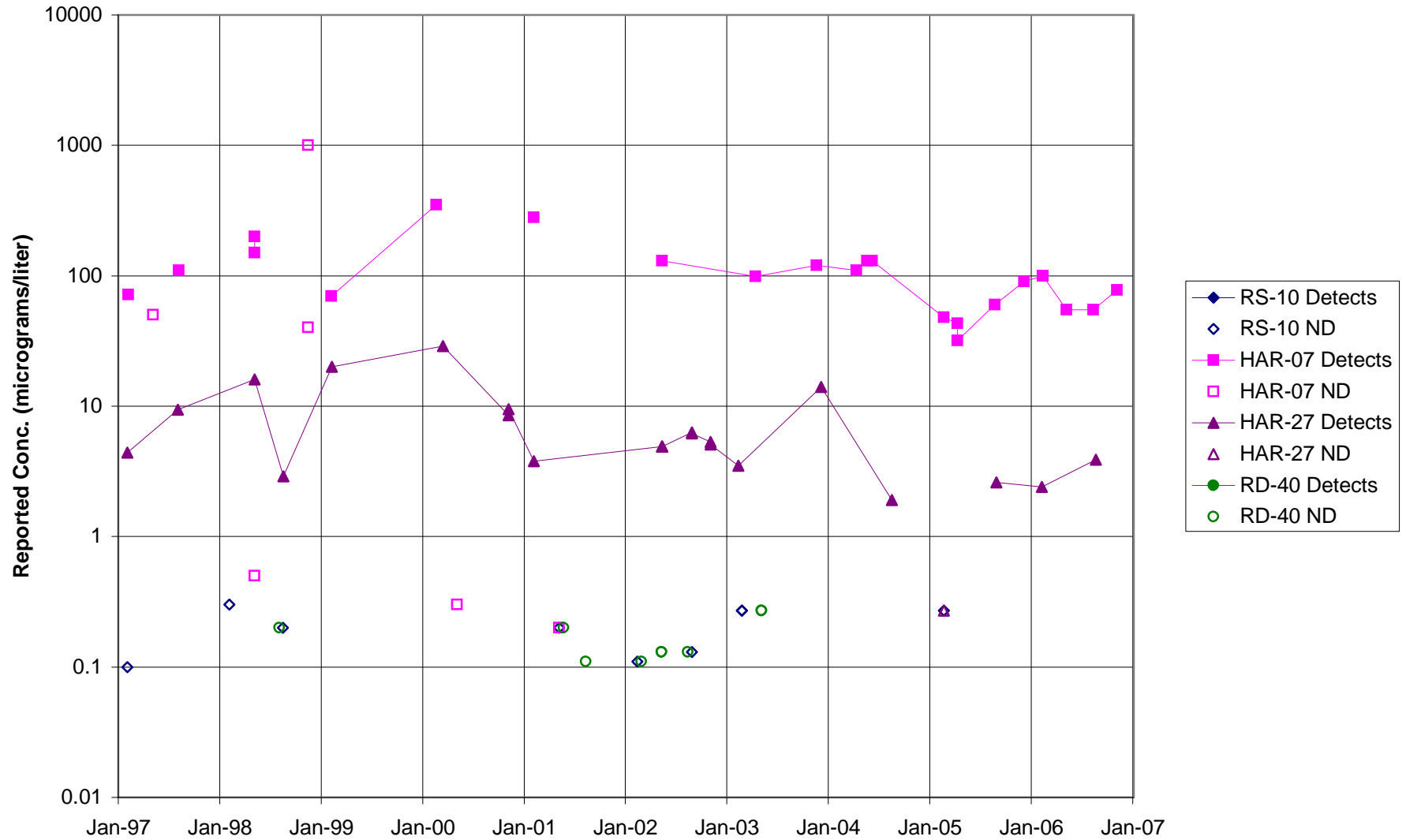


FIGURE F-335. TRANS-1,2-DCE in DELTA / BUFFER ZONE AREA WELLS

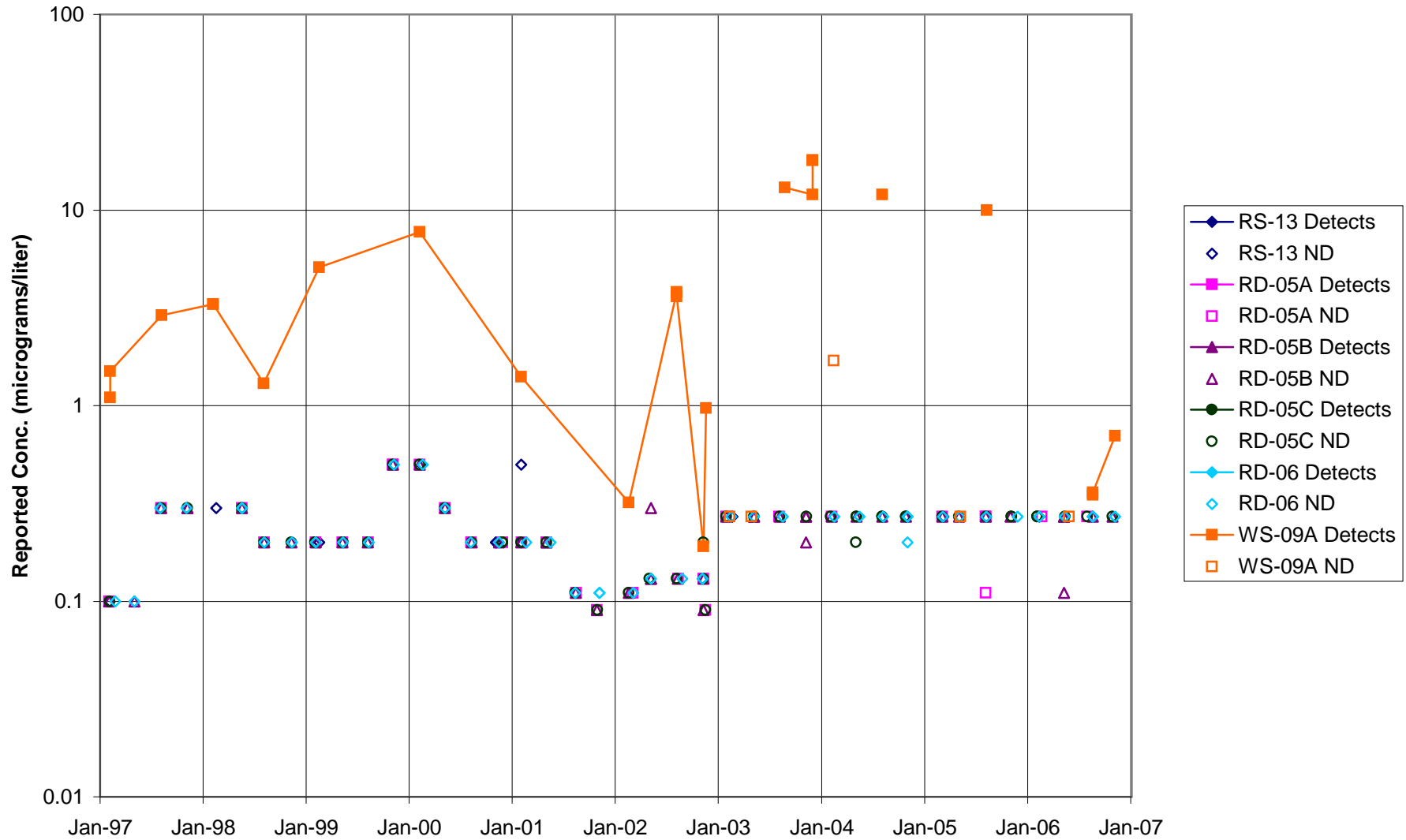


FIGURE F-336. TRANS-1,2-DCE in AREA IV WELLS

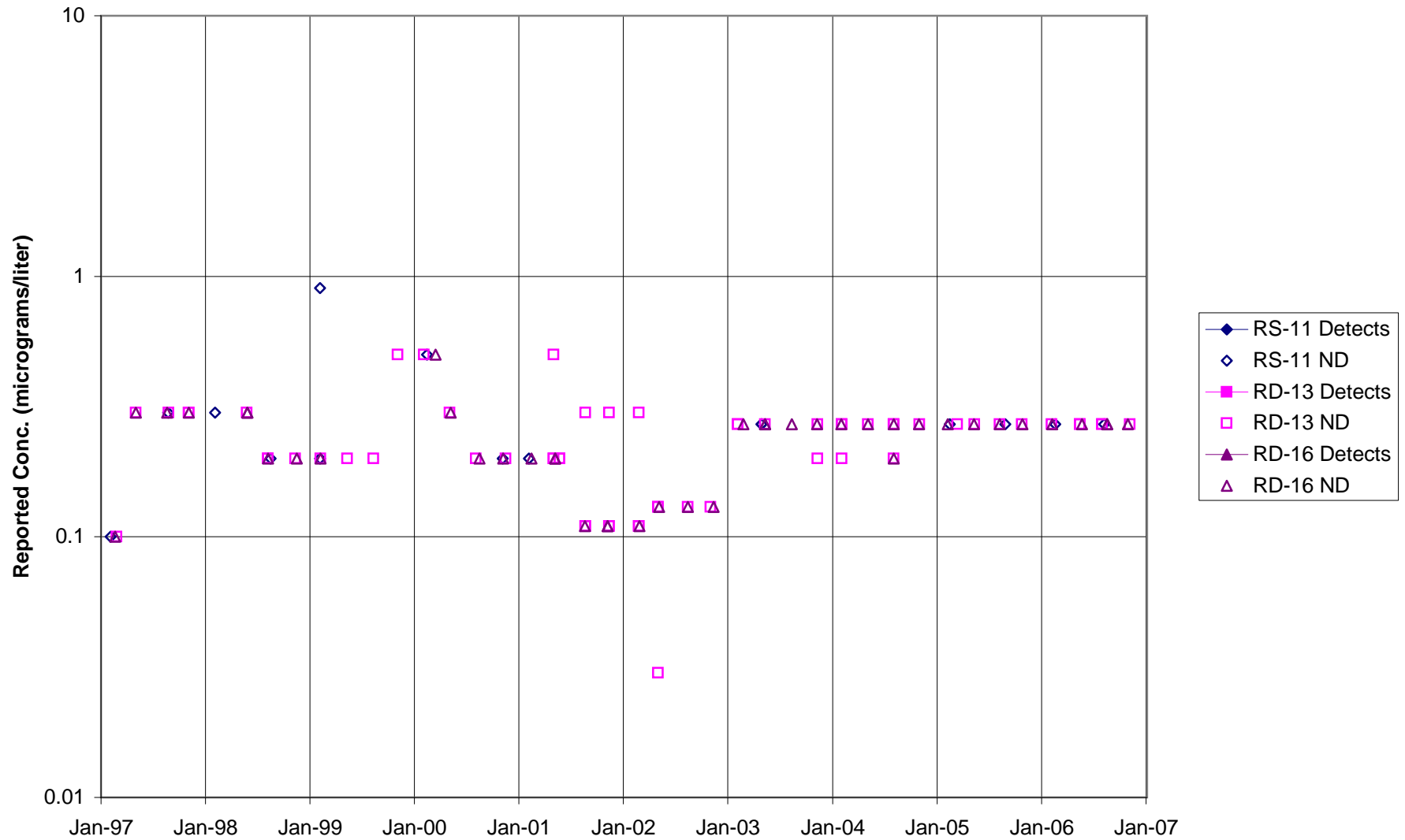


FIGURE F-337. TCE in STL-IV AREA SHALLOW WELLS

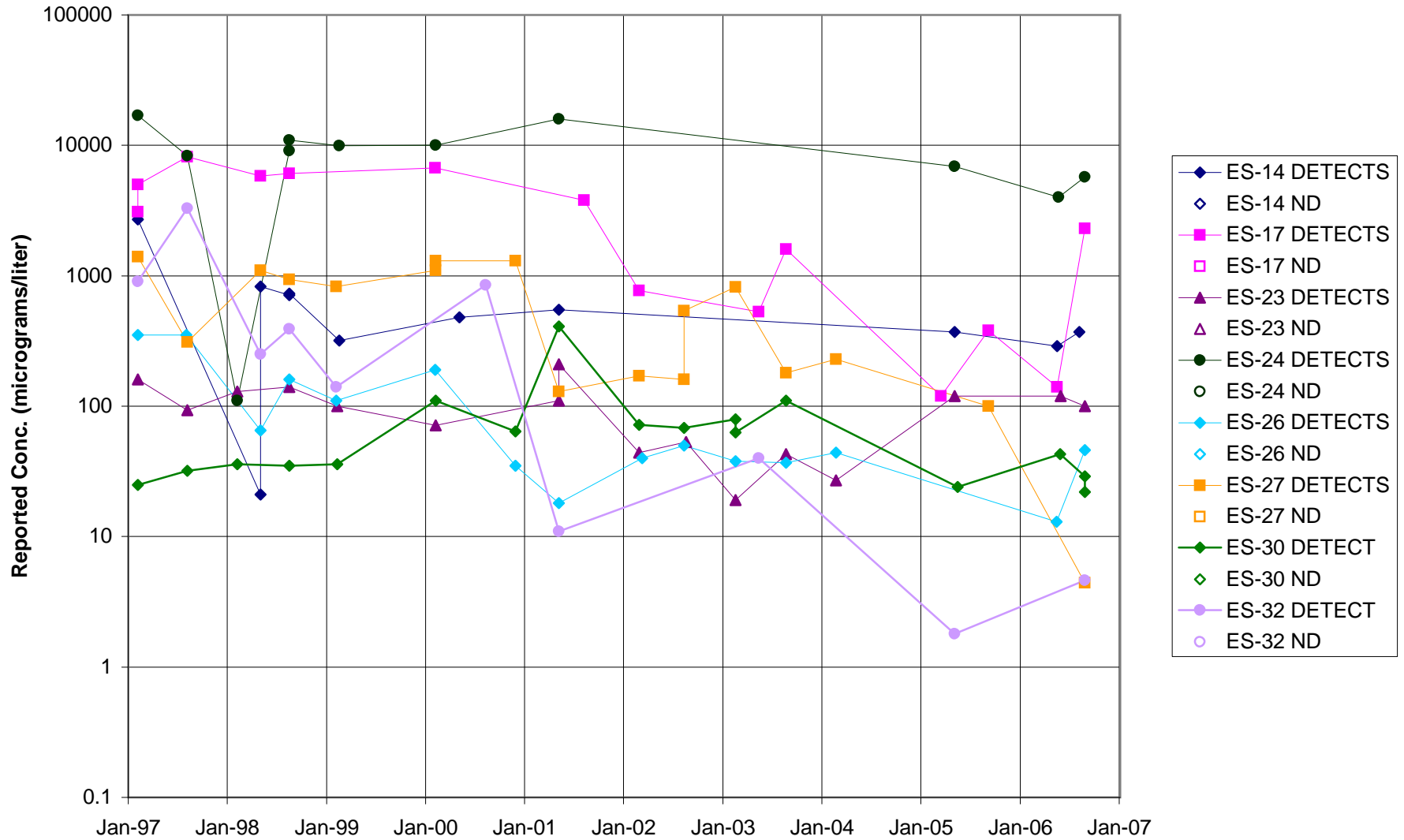


FIGURE F-338. TCE in STL-IV AREA CHATSWORTH FORMATION WELLS

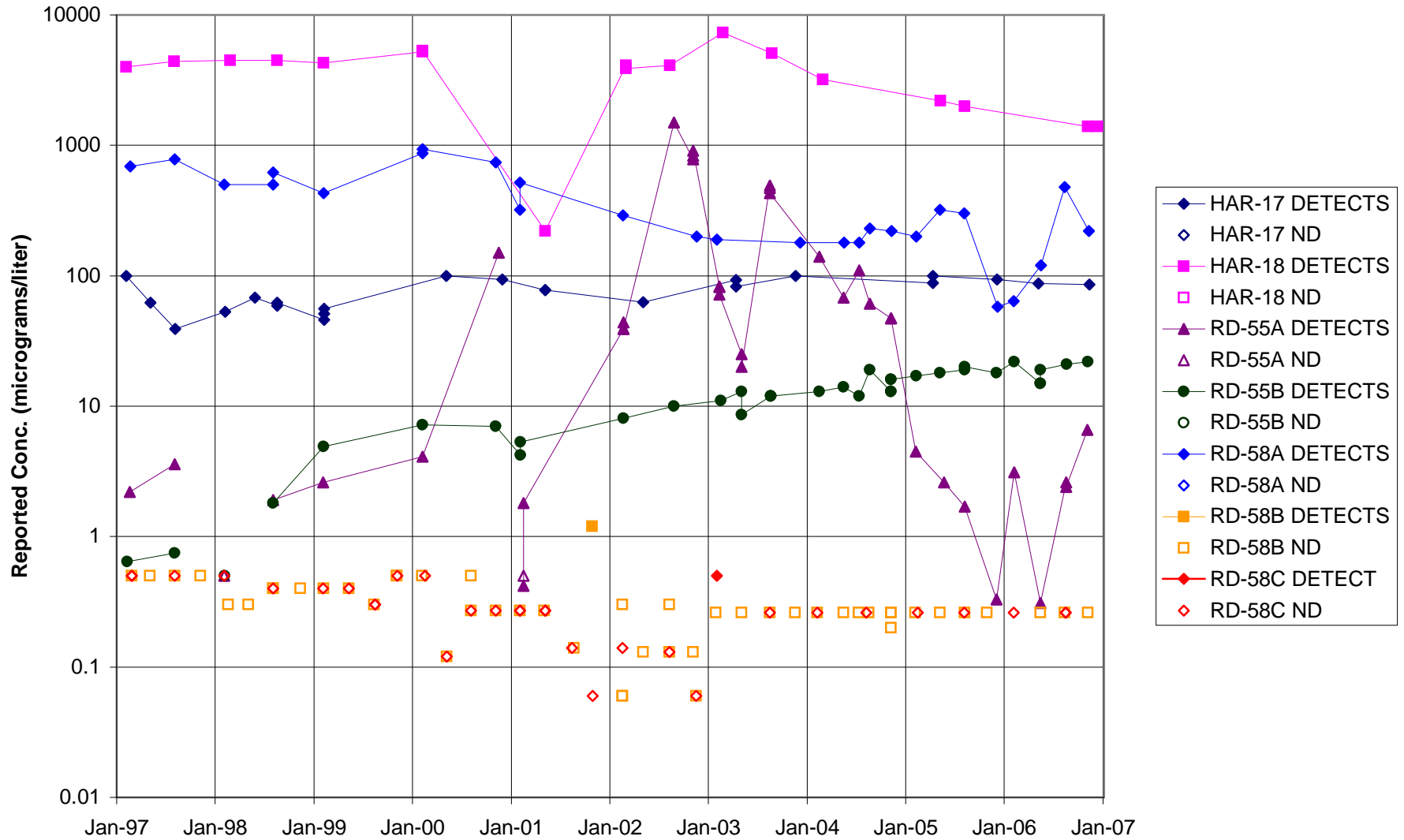


FIGURE F-339. TCE in MAIN GATE AREA WELLS - 1

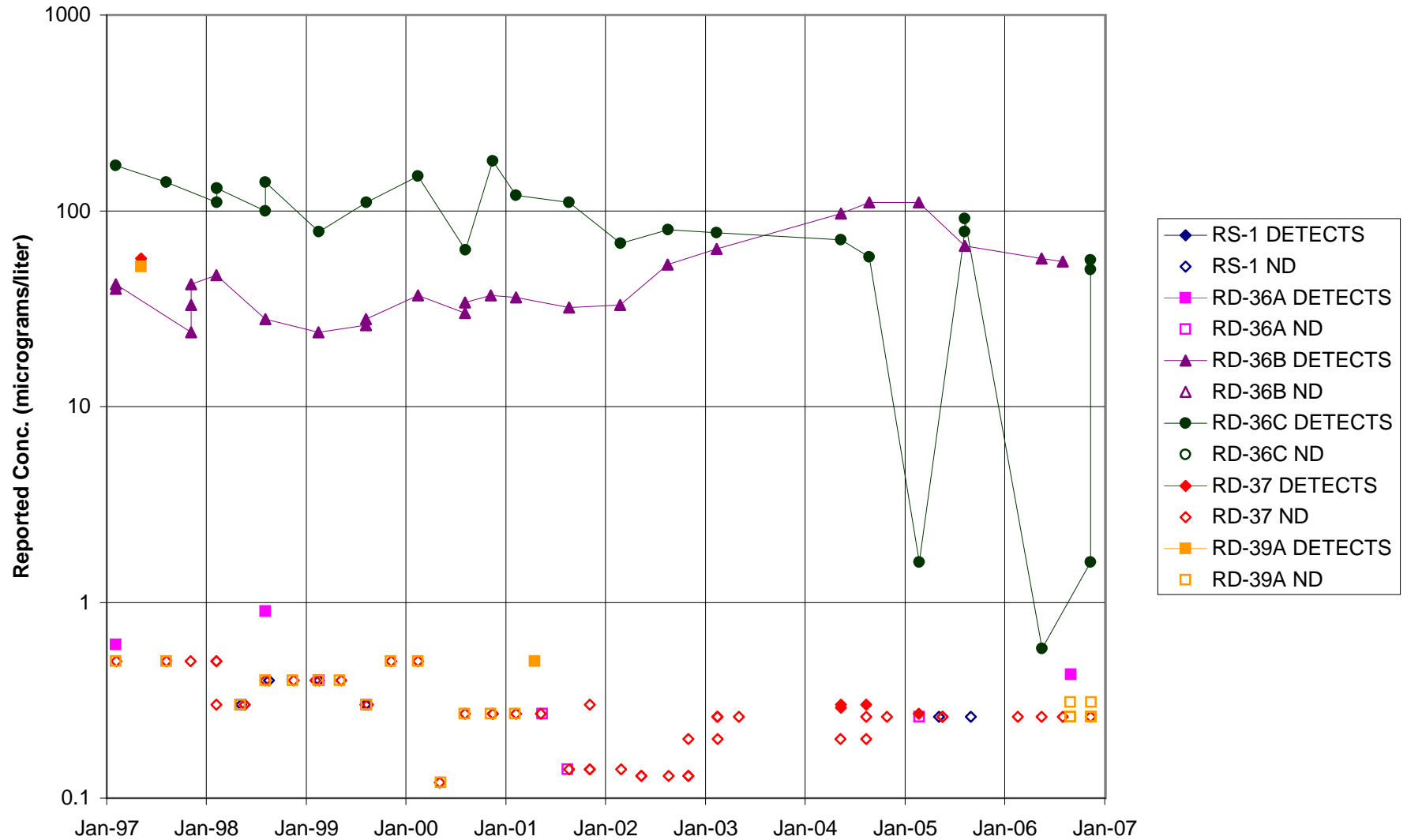


FIGURE F-340. TCE in MAIN GATE AREA WELLS - 2

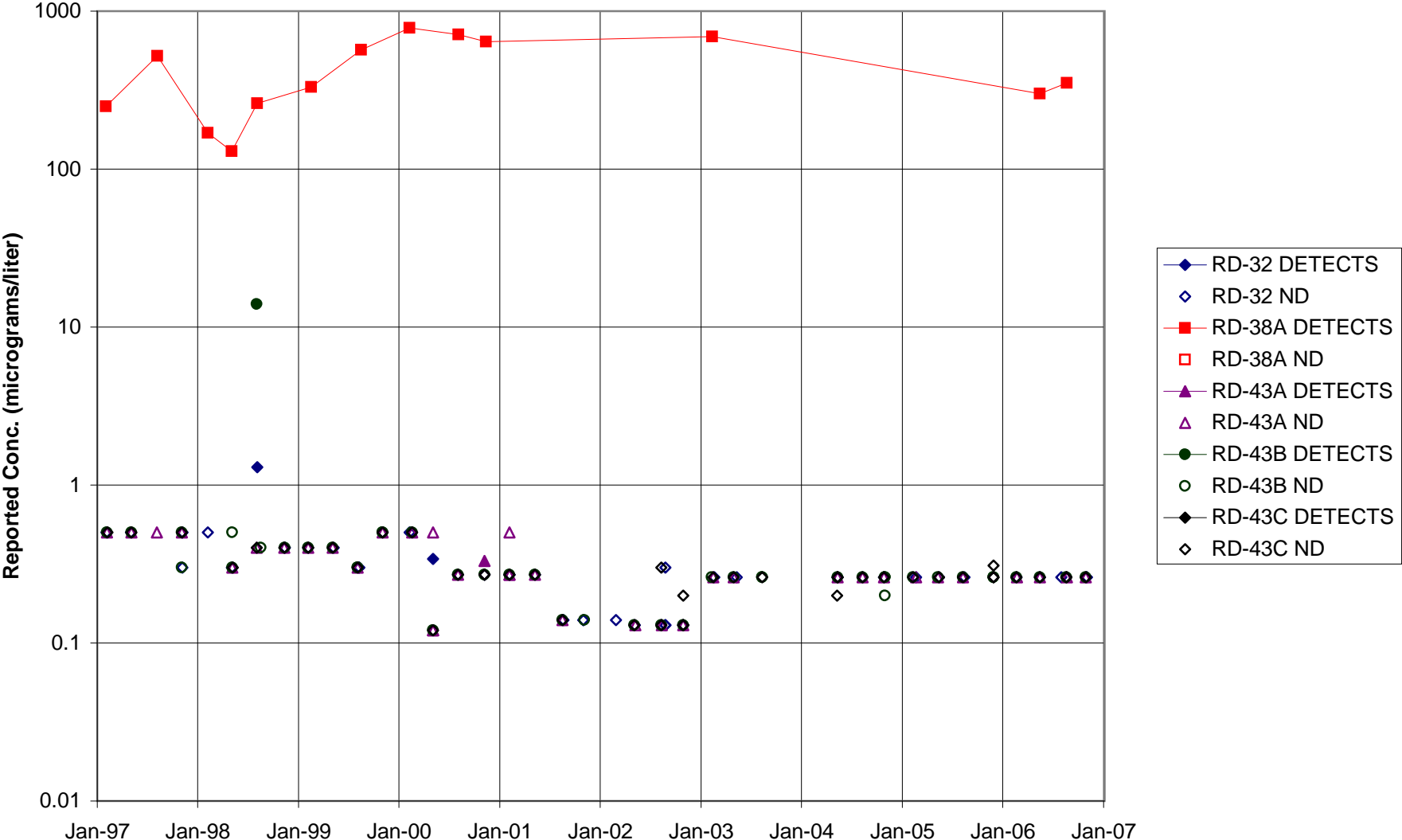


FIGURE F-341. TCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 1



FIGURE F-342. TCE in APTF, CANYON, & HAPPY VALLEY AREA WELLS - 2

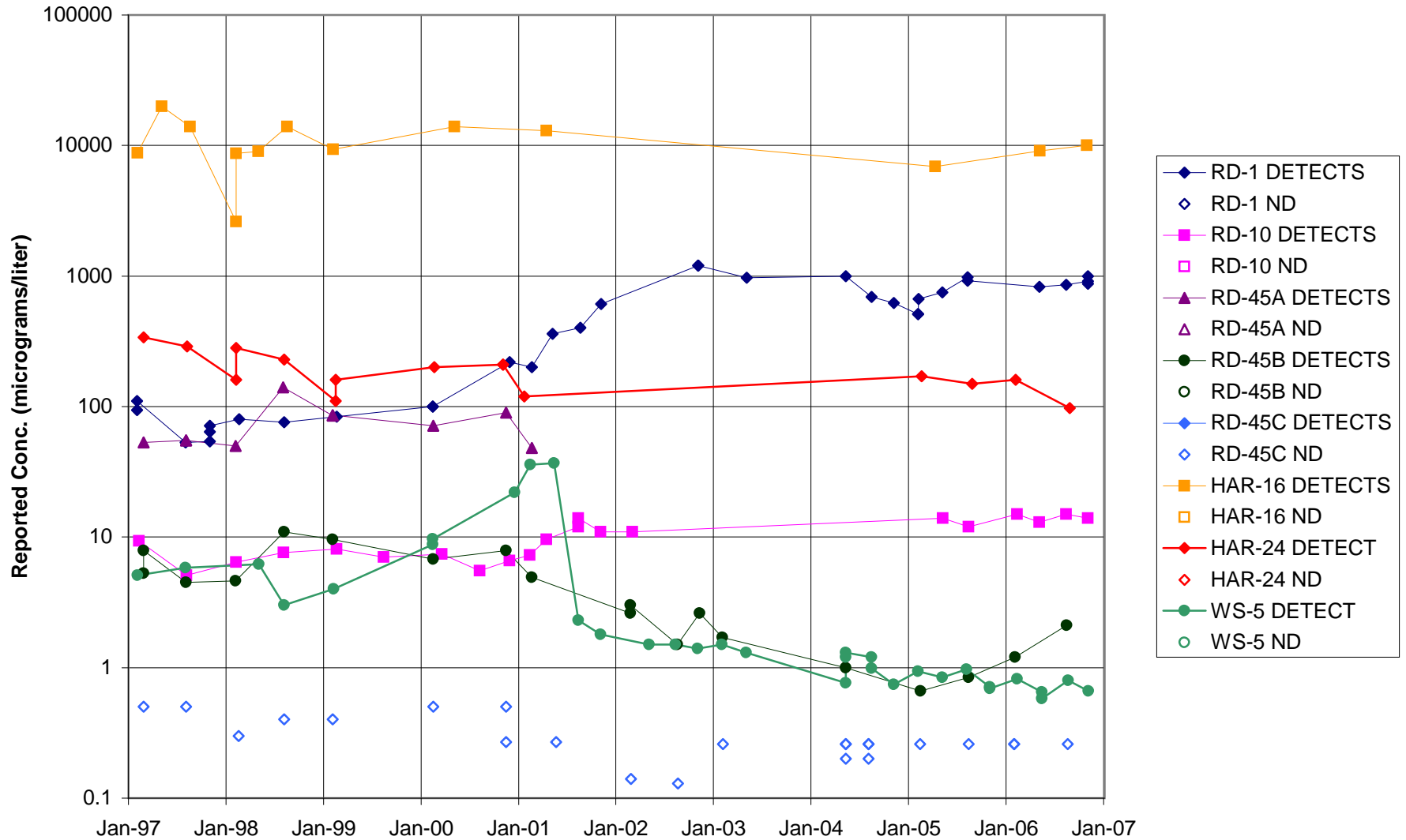


FIGURE F-343. TCE in CTL-III / PERIMETER POND AREA WELLS

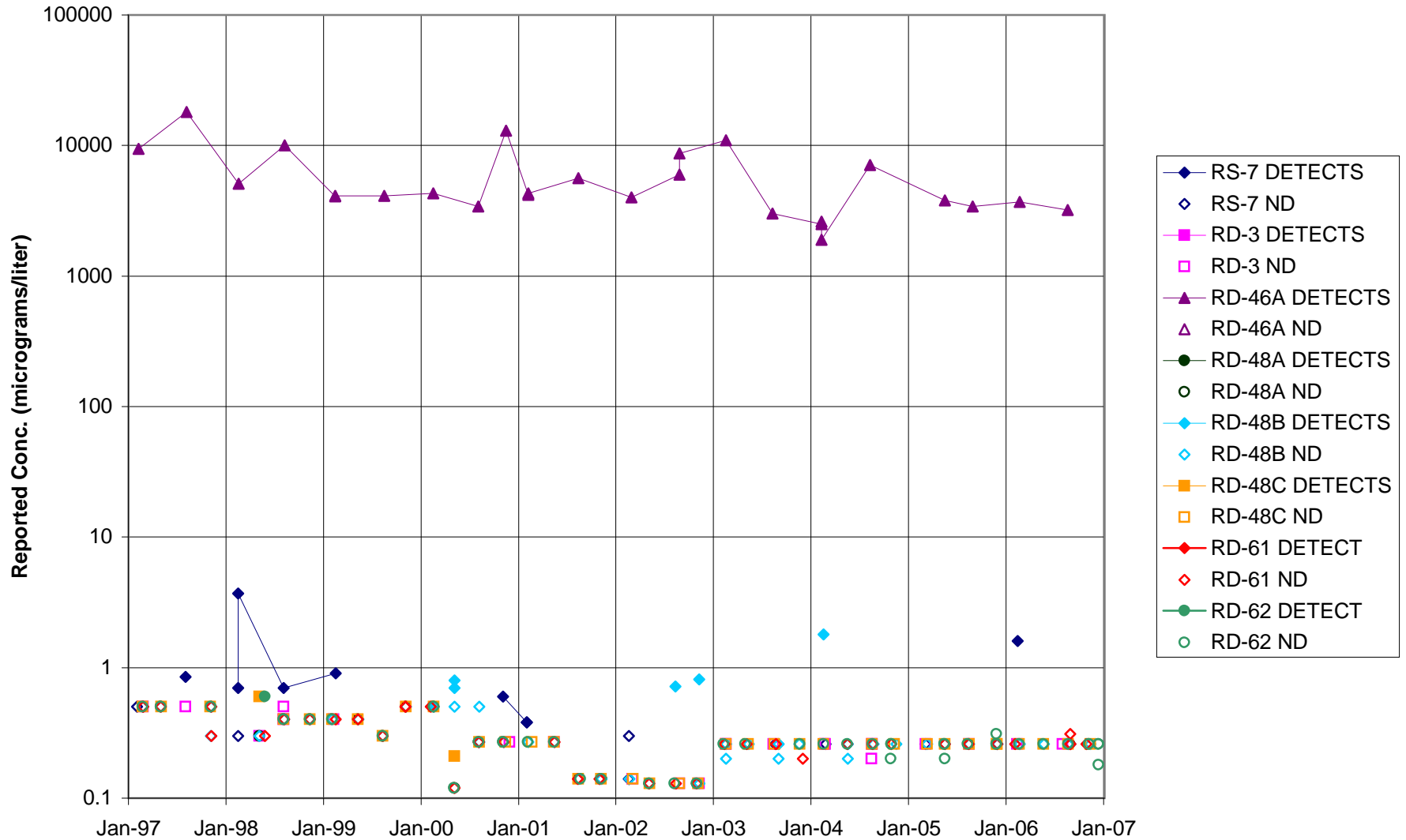


FIGURE F-344. TCE in BOWL AREA WELLS

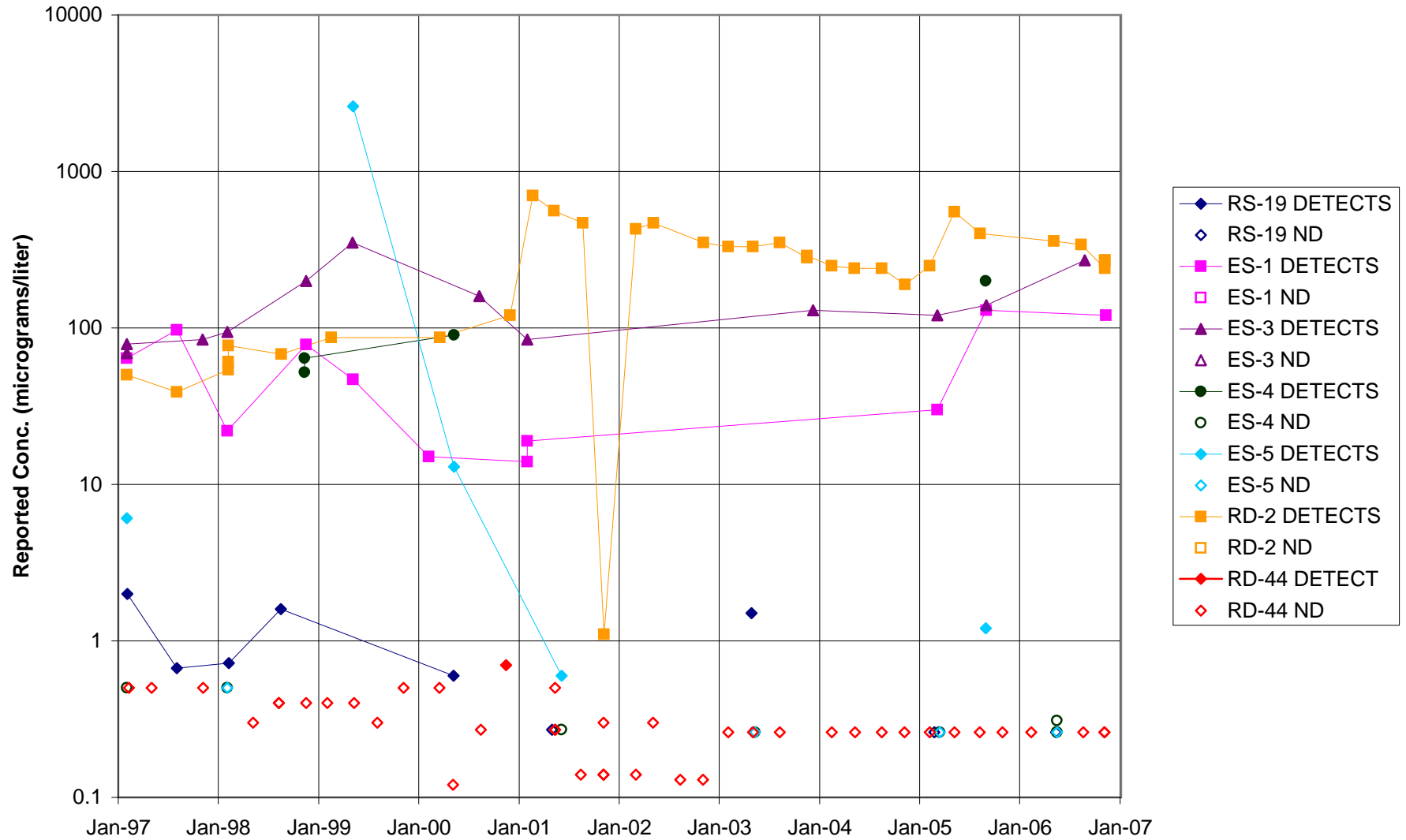


FIGURE F-345. TCE in ECL AREA WELLS

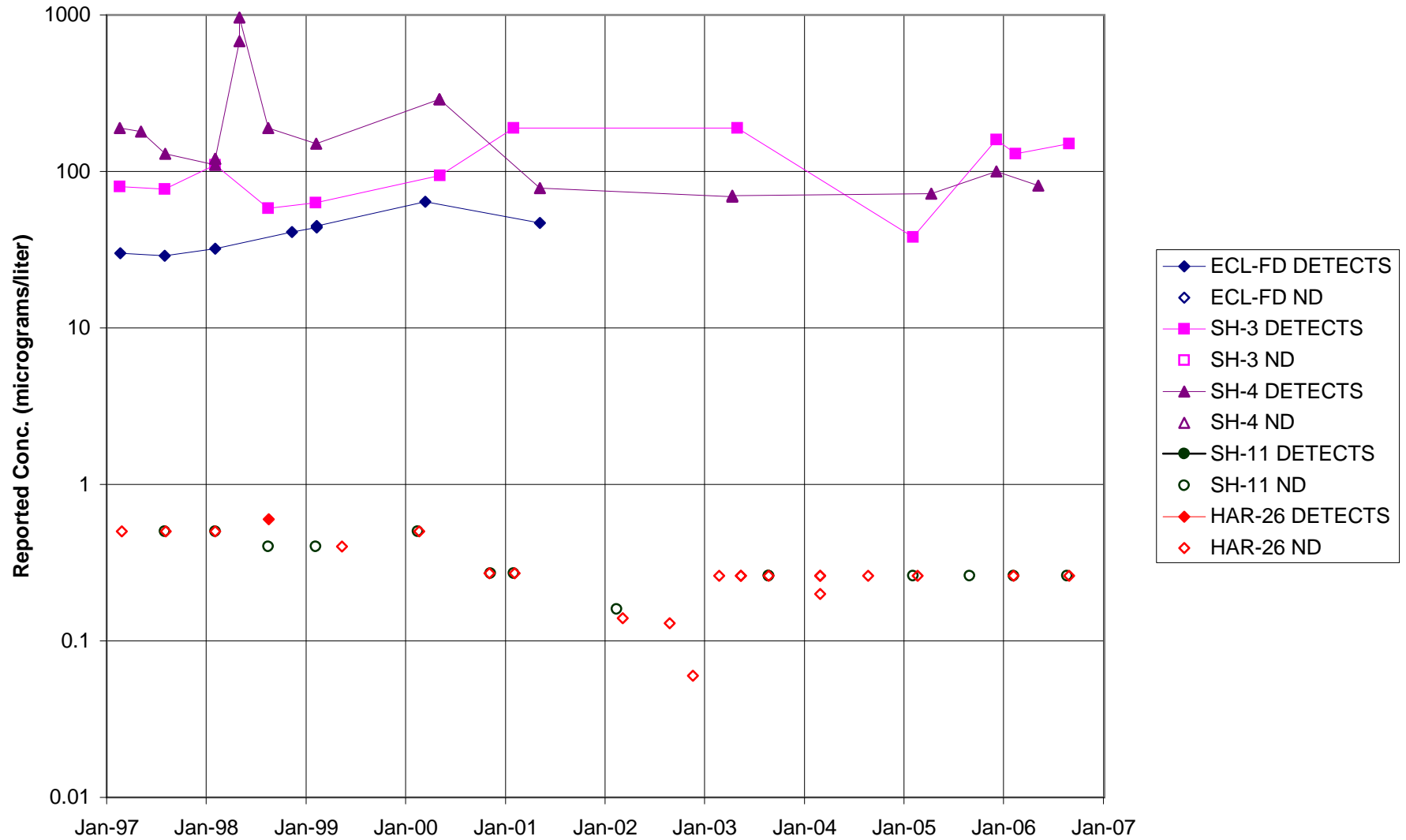


FIGURE F-346. TCE in FORMER LOX PLANT AREA WELLS

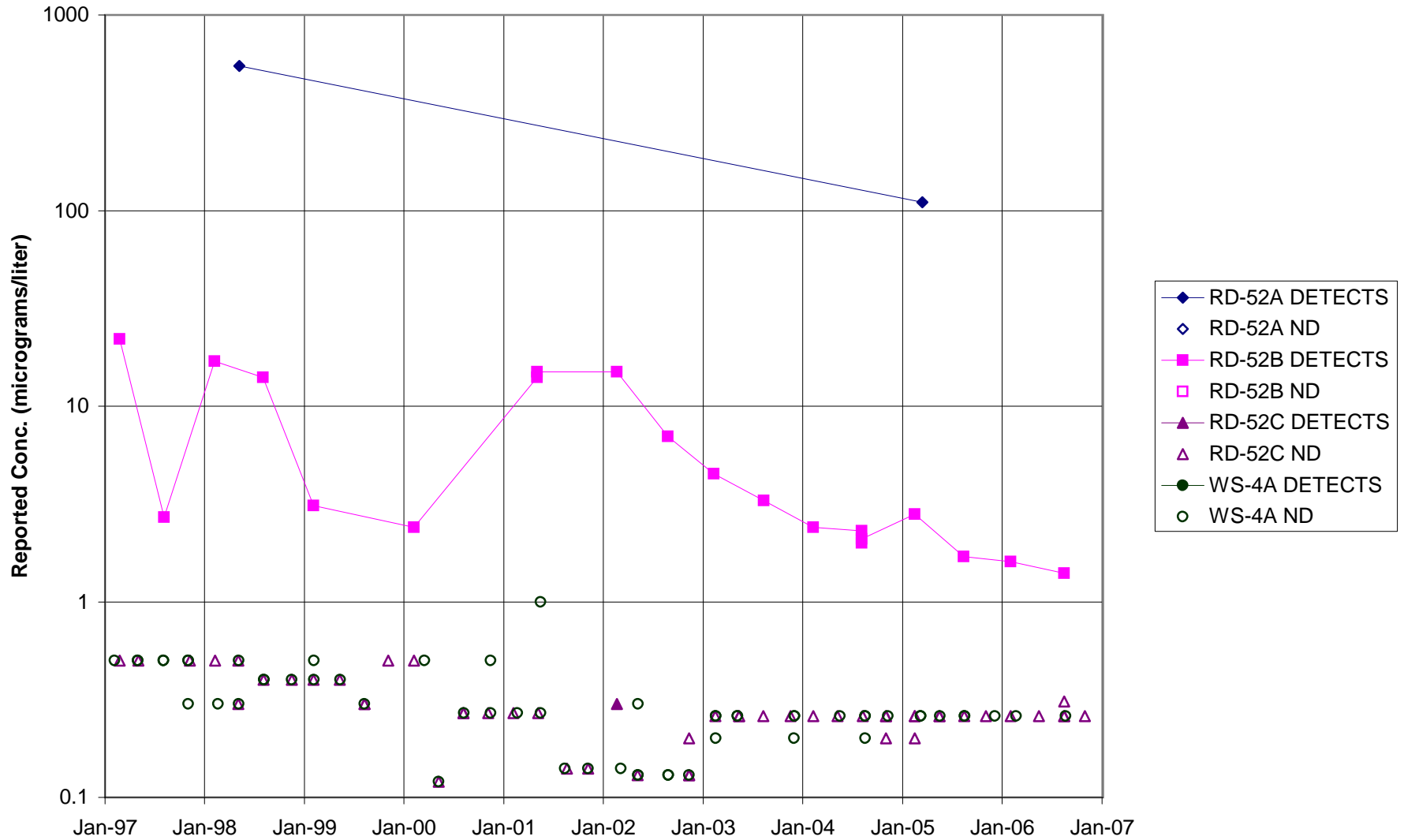


FIGURE F-347. TCE in RD-09 AREA WELLS



FIGURE F-348. TCE in HELIPORT, B/204 AREA WELLS

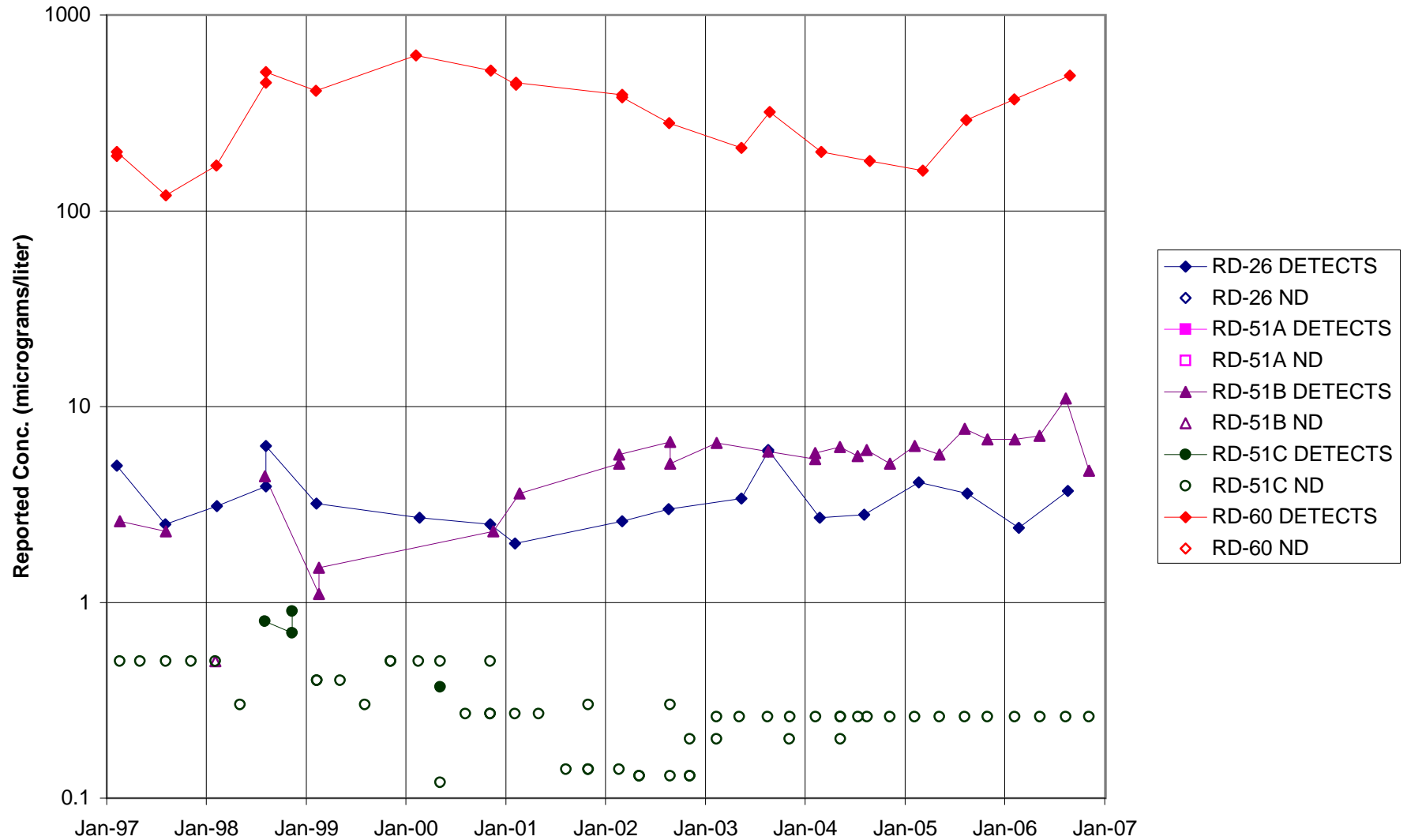


FIGURE F-349. TCE in ALFA / BRAVO AREA WELLS

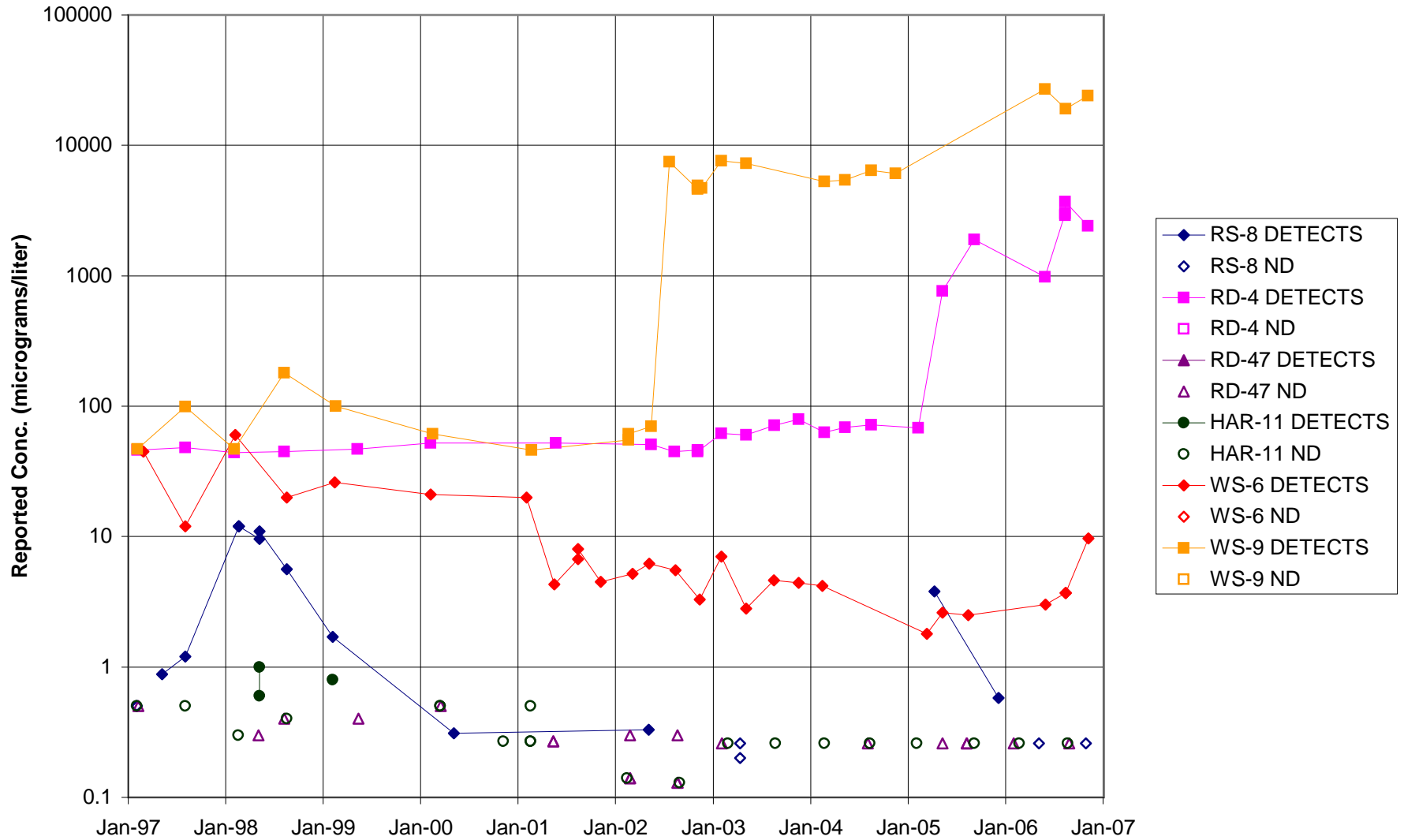


FIGURE F-350. TCE in SPA AREA WELLS

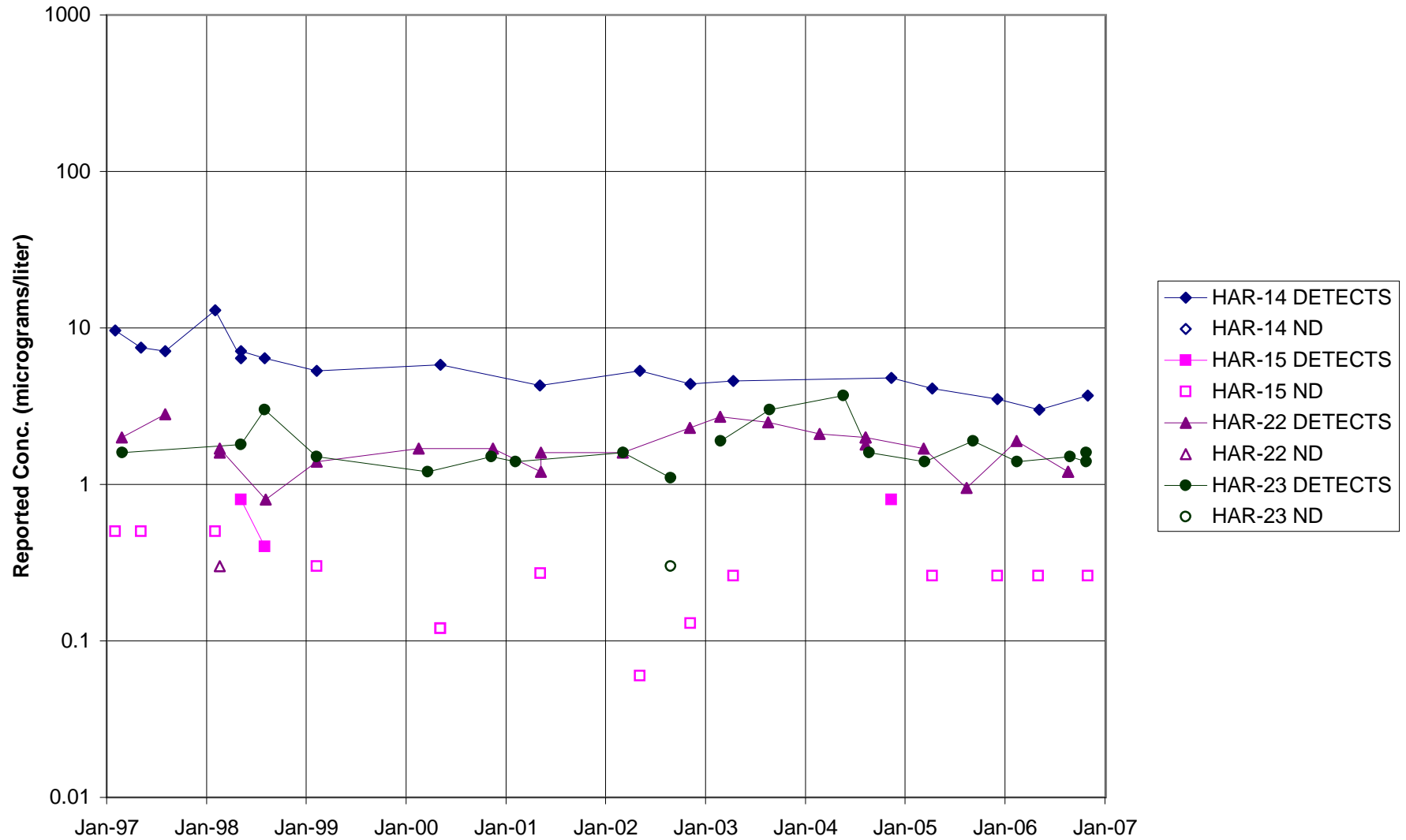


FIGURE F-351. TCE in COCA / PLF AREA WELLS

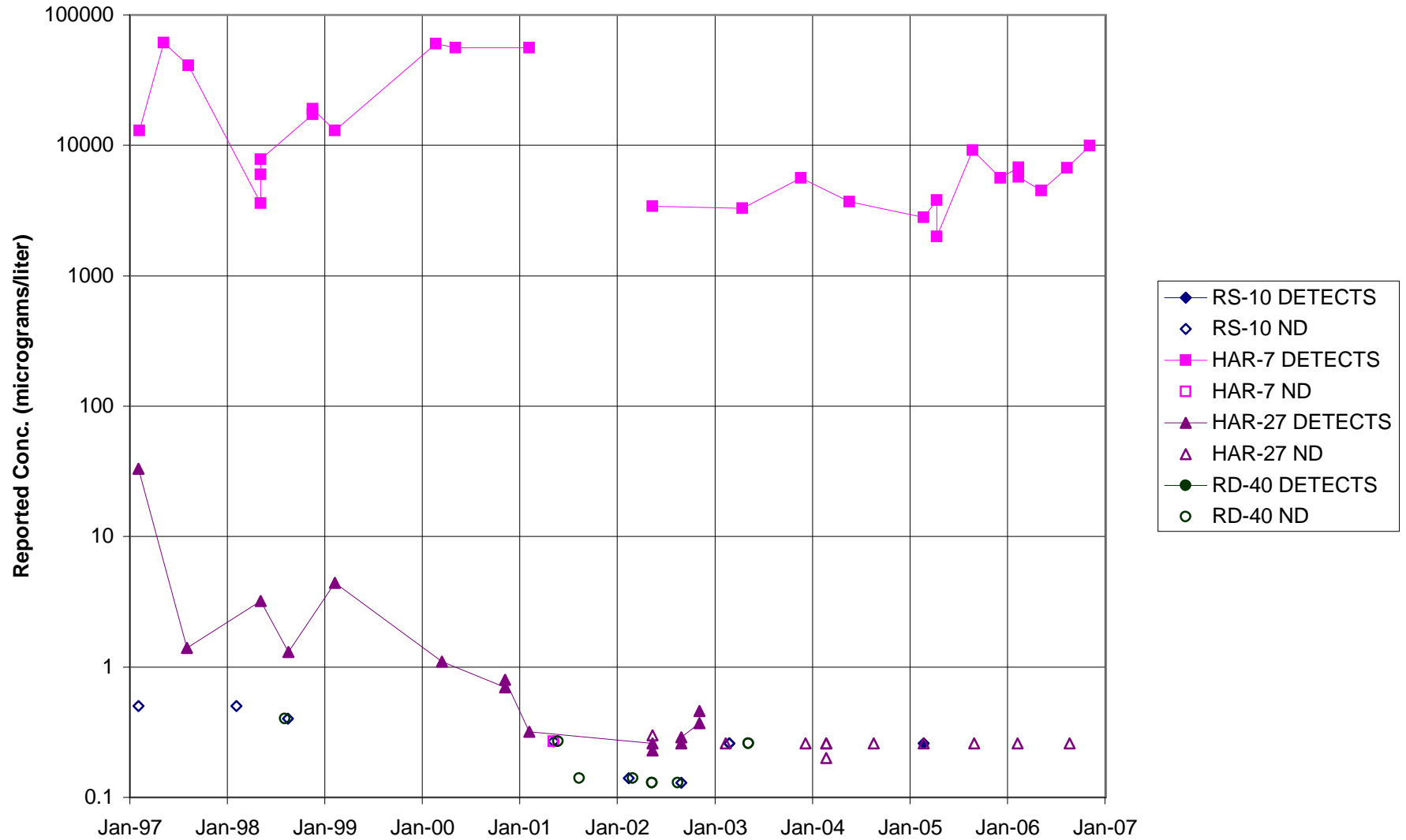


FIGURE F-352. TCE in DELTA / BUFFER ZONE AREA WELLS

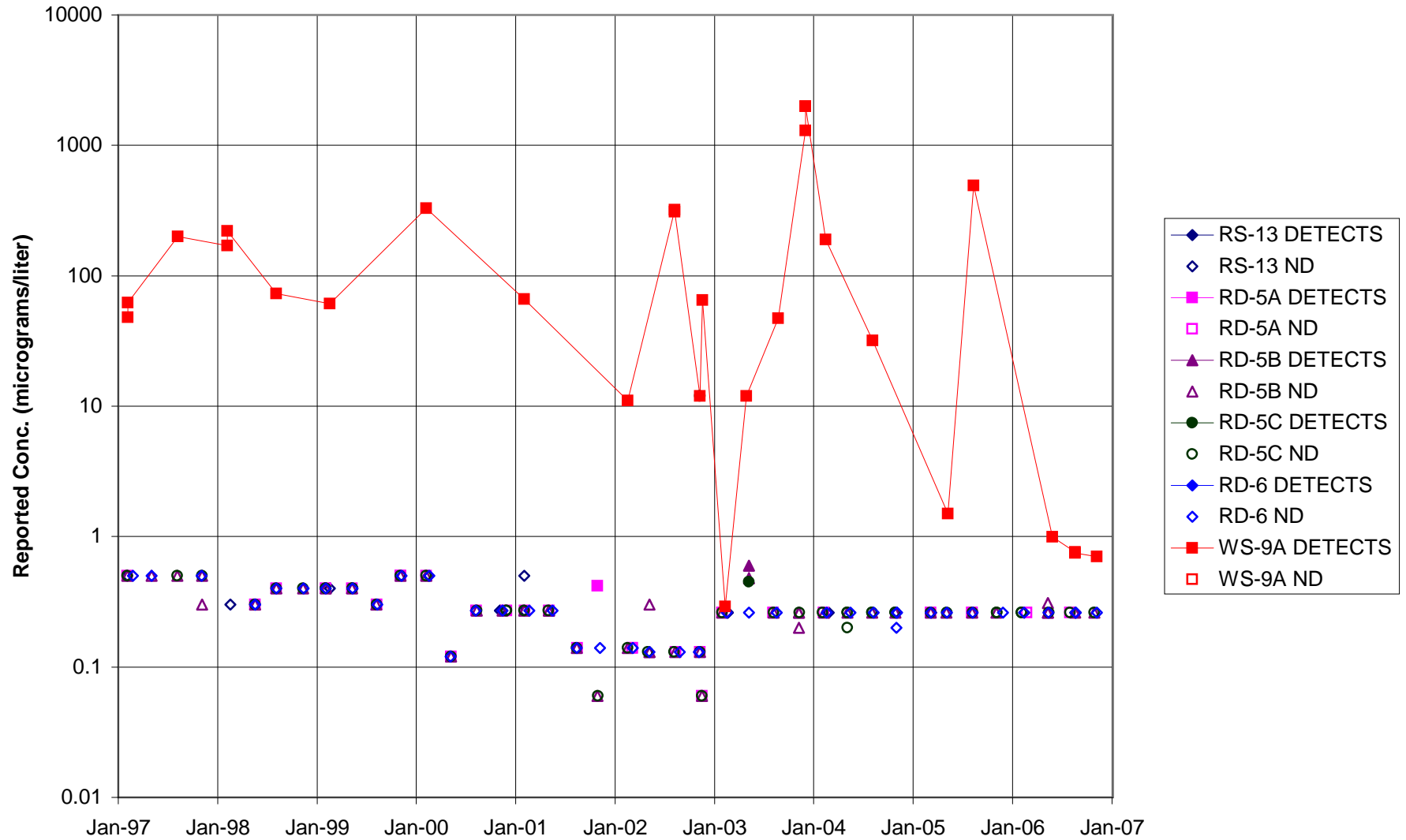


FIGURE F-353. TCE in AREA IV WELLS

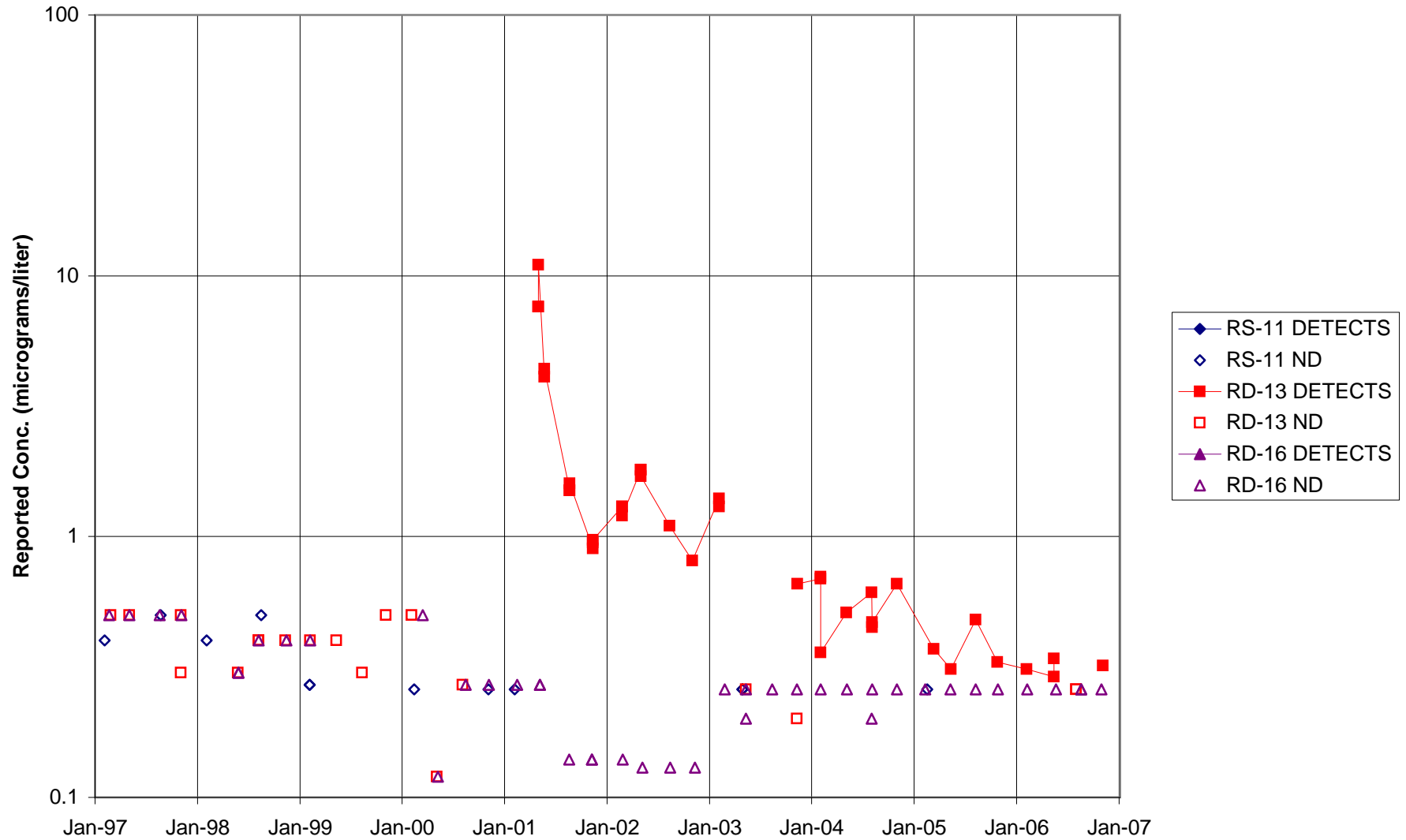


FIGURE F-354. VINYL CHLORIDE in STL-IV AREA SHALLOW WELLS

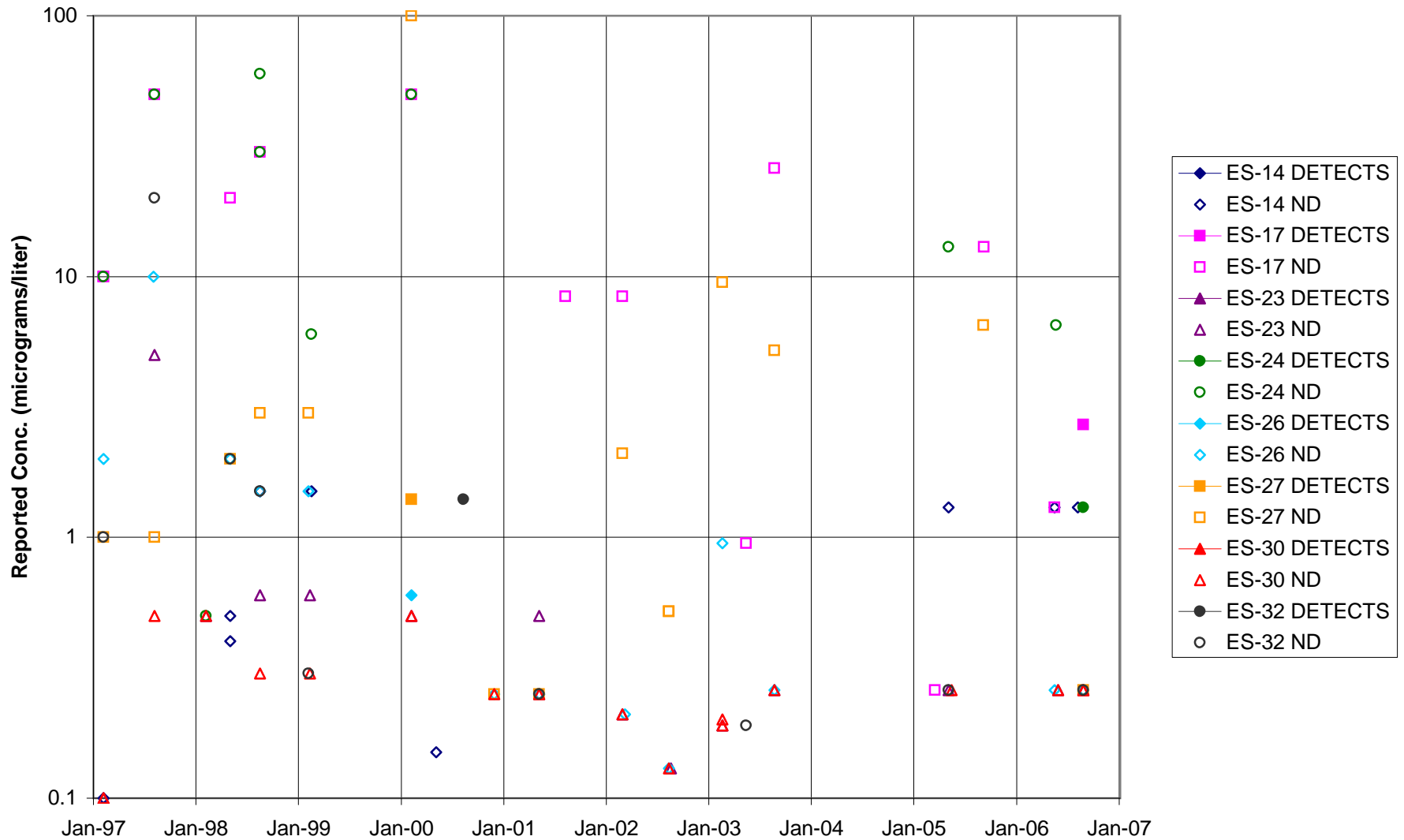


FIGURE F-355. VINYL CHLORIDE in STL-IV AREA CHATSWORTH FORMATION WELLS

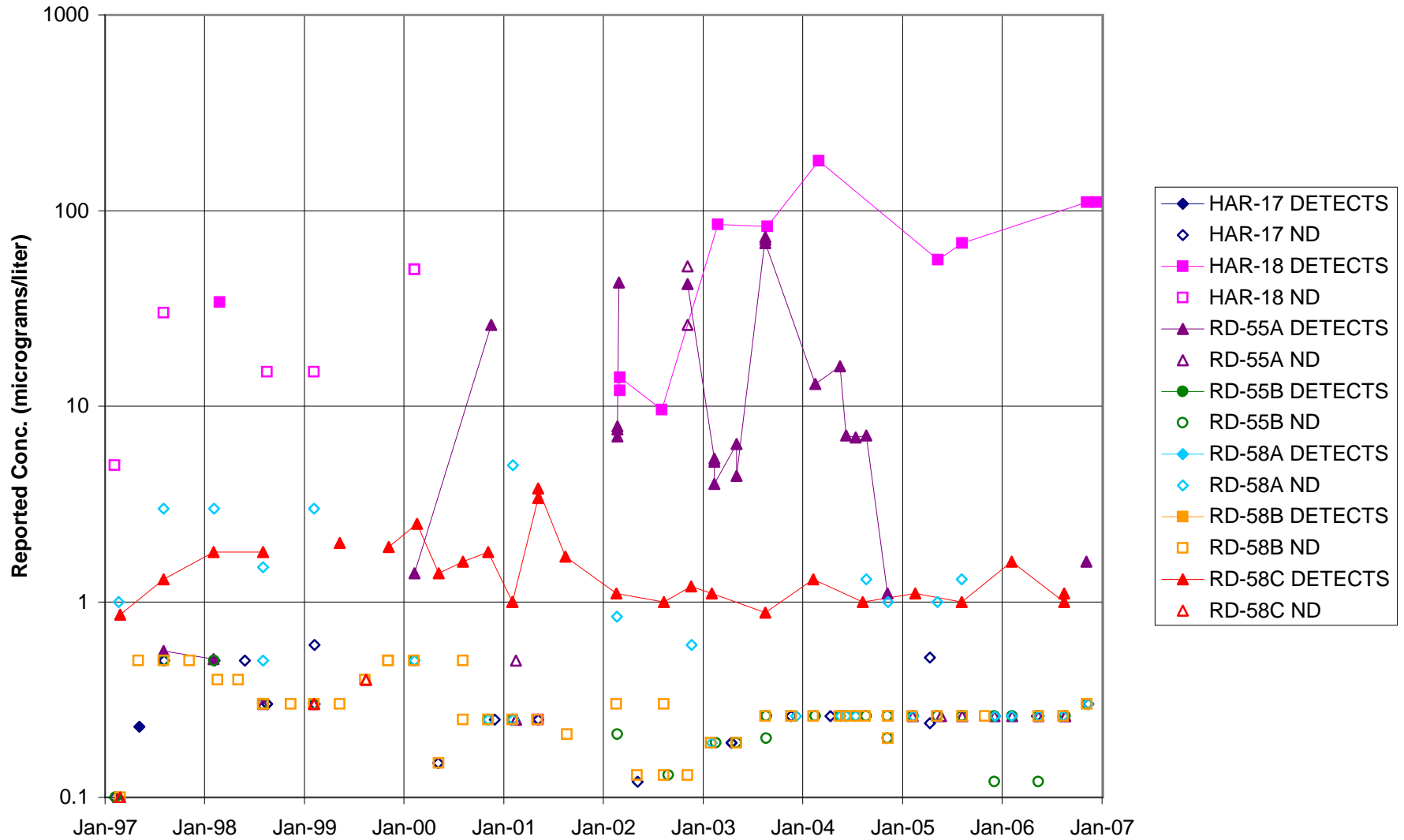


FIGURE F-356. VINYL CHLORIDE in MAIN GATE AREA WELLS - 1

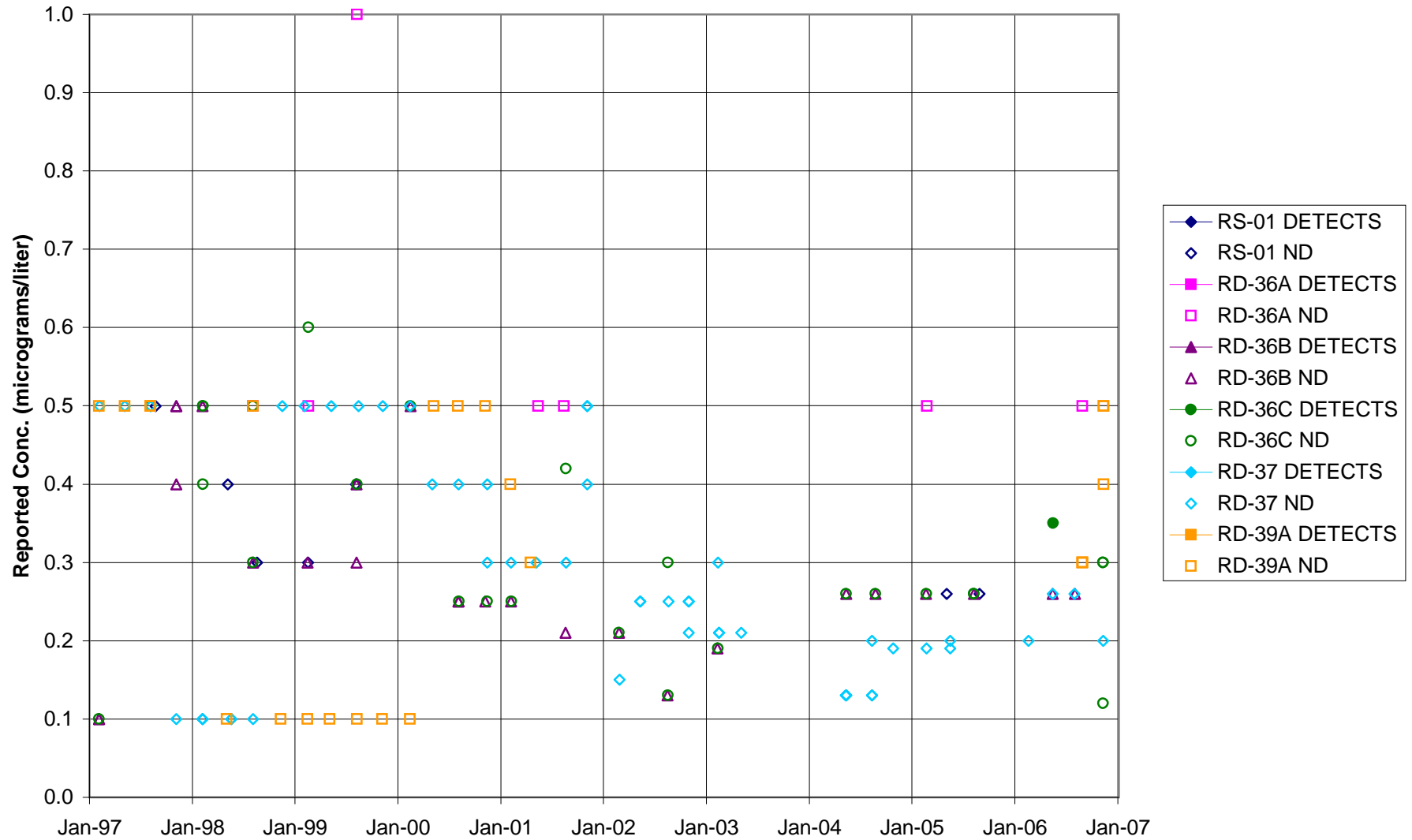


FIGURE F-357. VINYL CHLORIDE in MAIN GATE AREA WELLS - 2

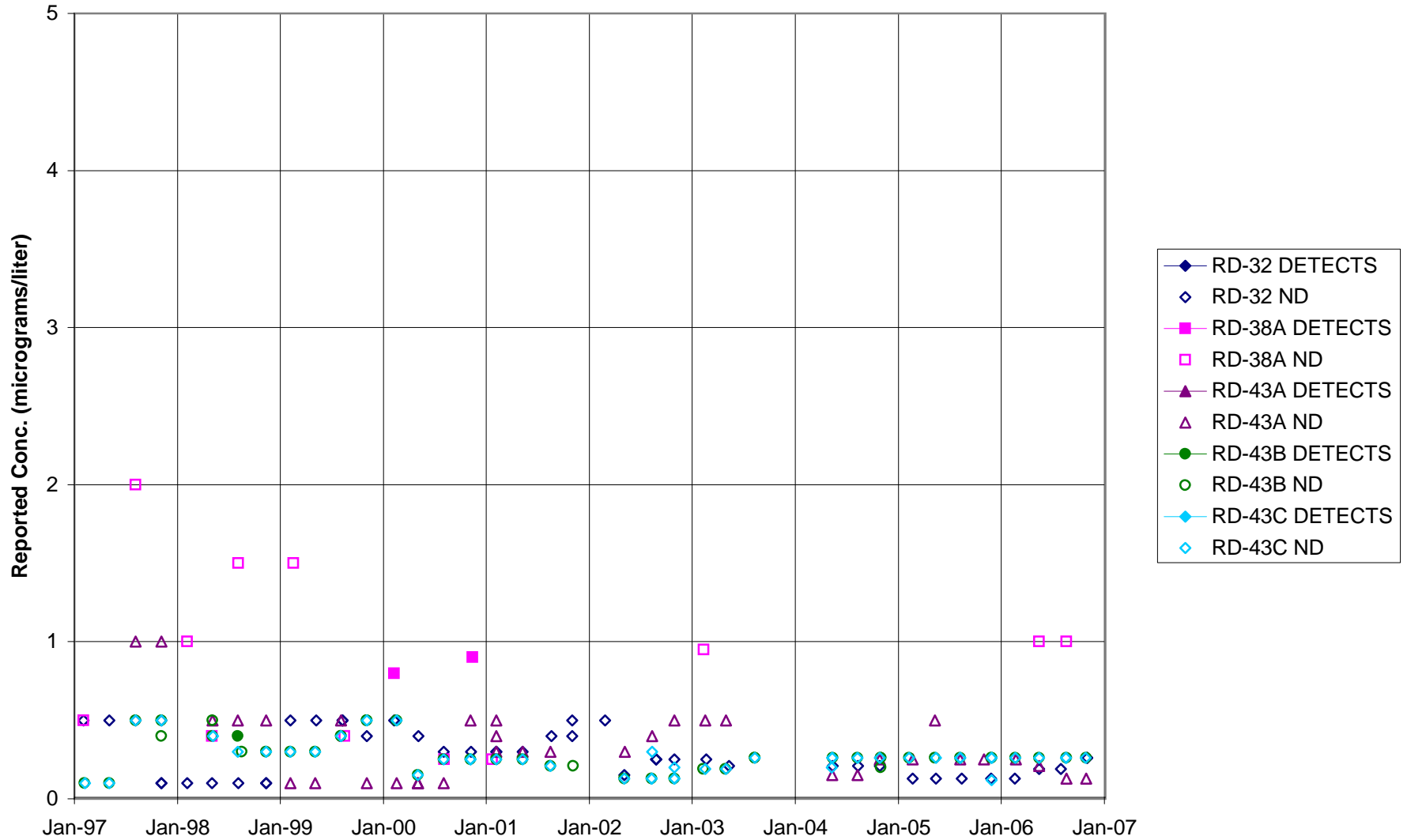


FIGURE F-358. VINYL CHLORIDE in APTF, CANYON, & HAPPY VALLEY WELLS - 1

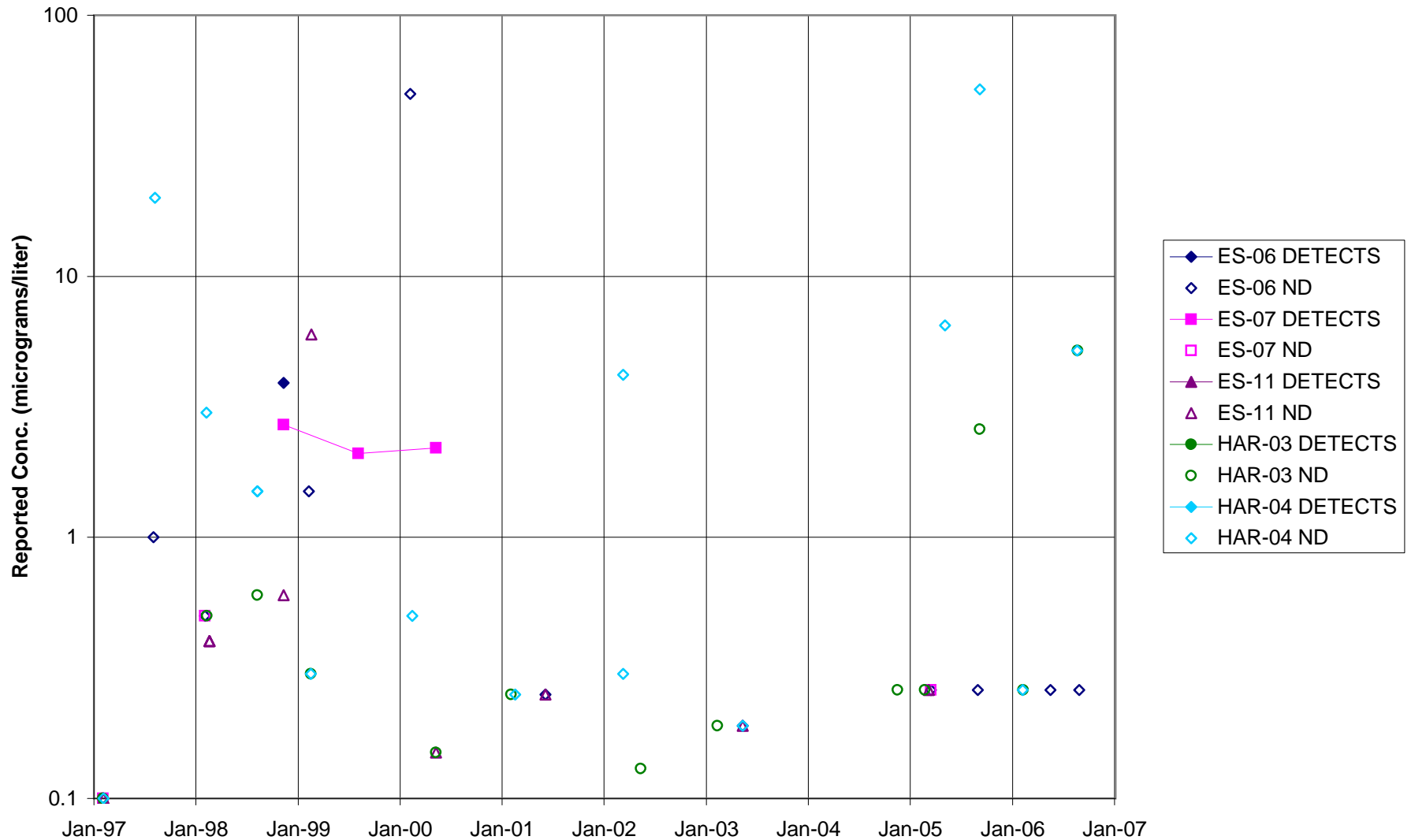


FIGURE F-359. VINYL CHLORIDE in APTF, CANYON, & HAPPY VALLEY WELLS - 2

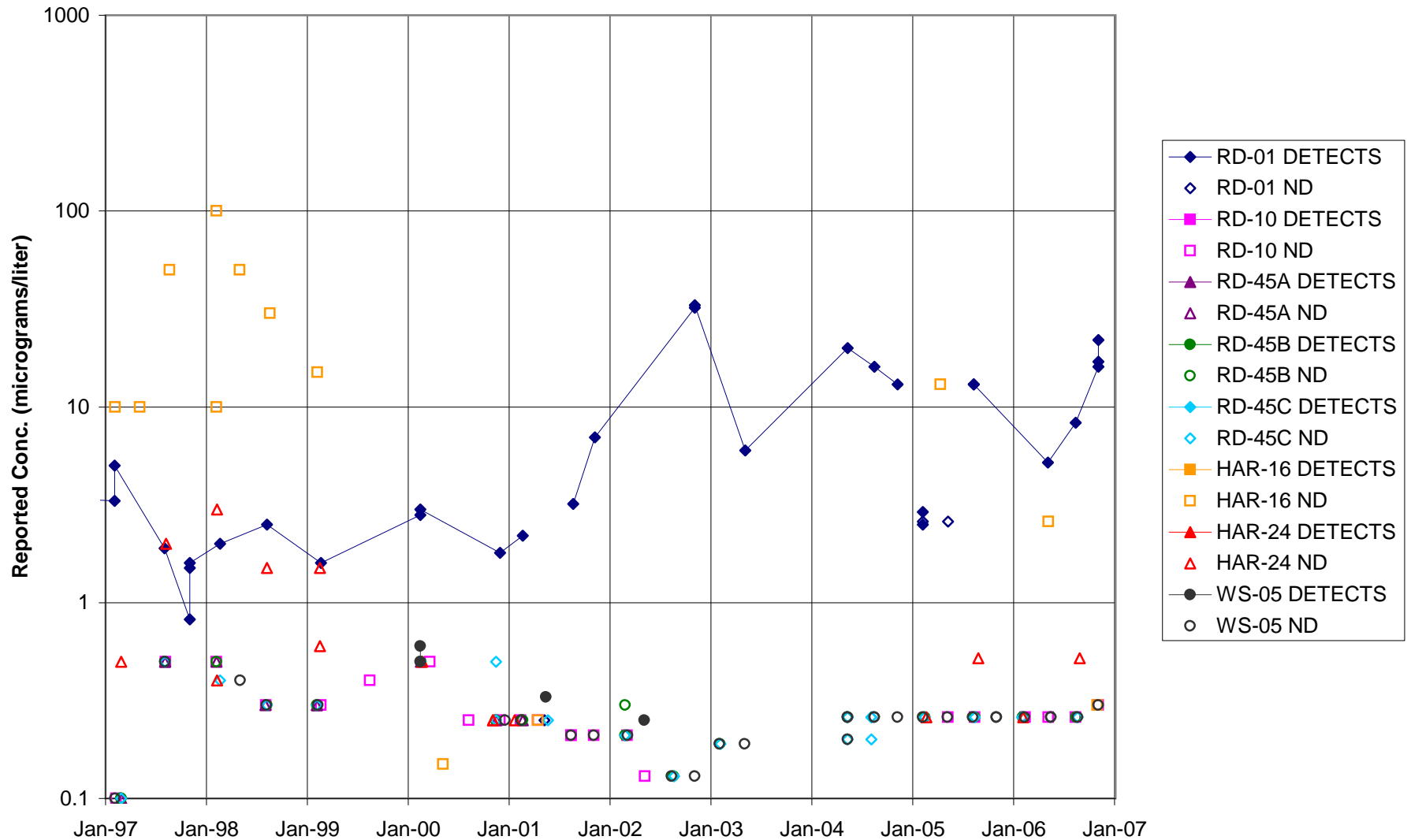


FIGURE F-360. VINYL CHLORIDE in CTL-III / PERIMETER POND AREA WELLS

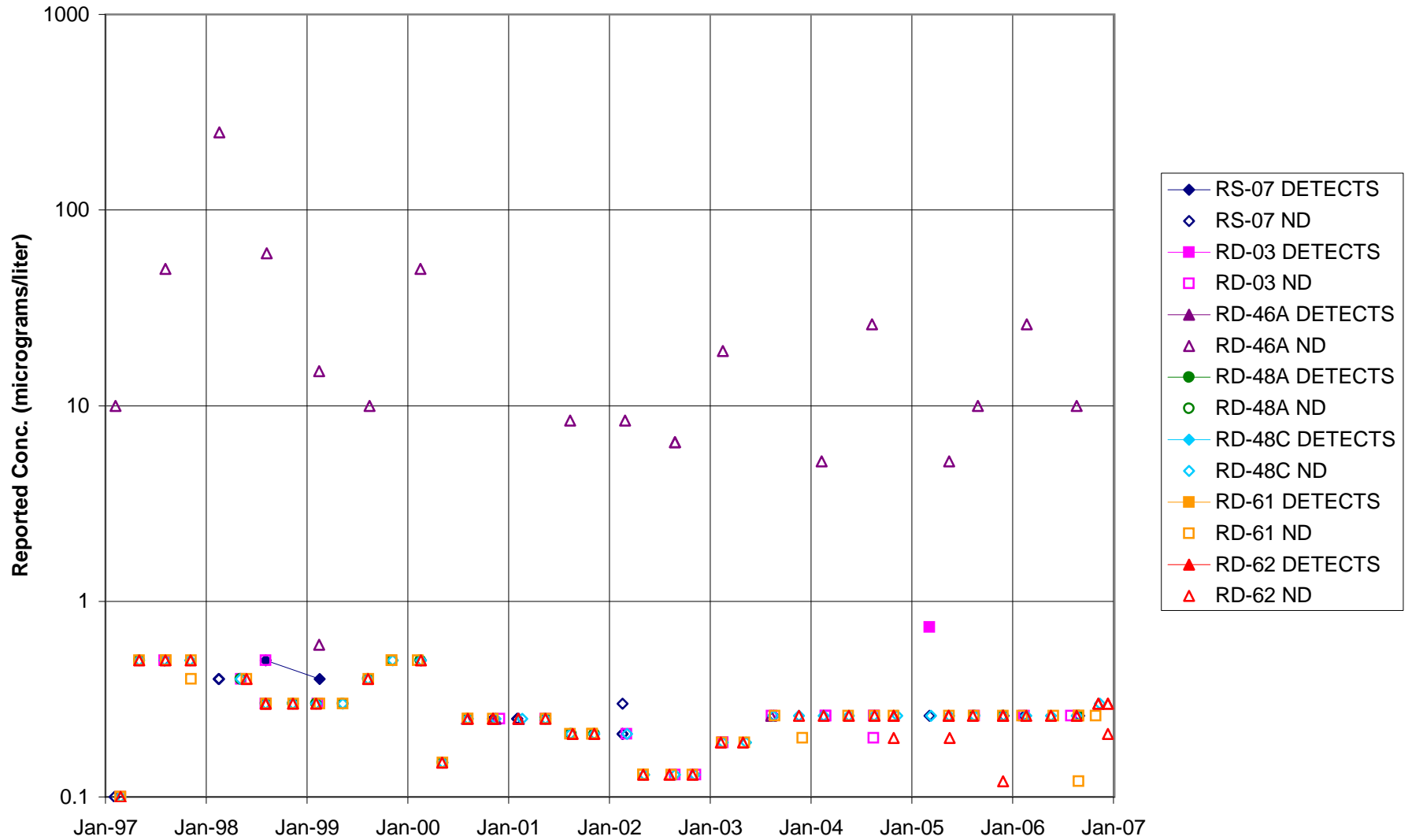


FIGURE F-361. VINYL CHLORIDE in BOWL AREA WELLS

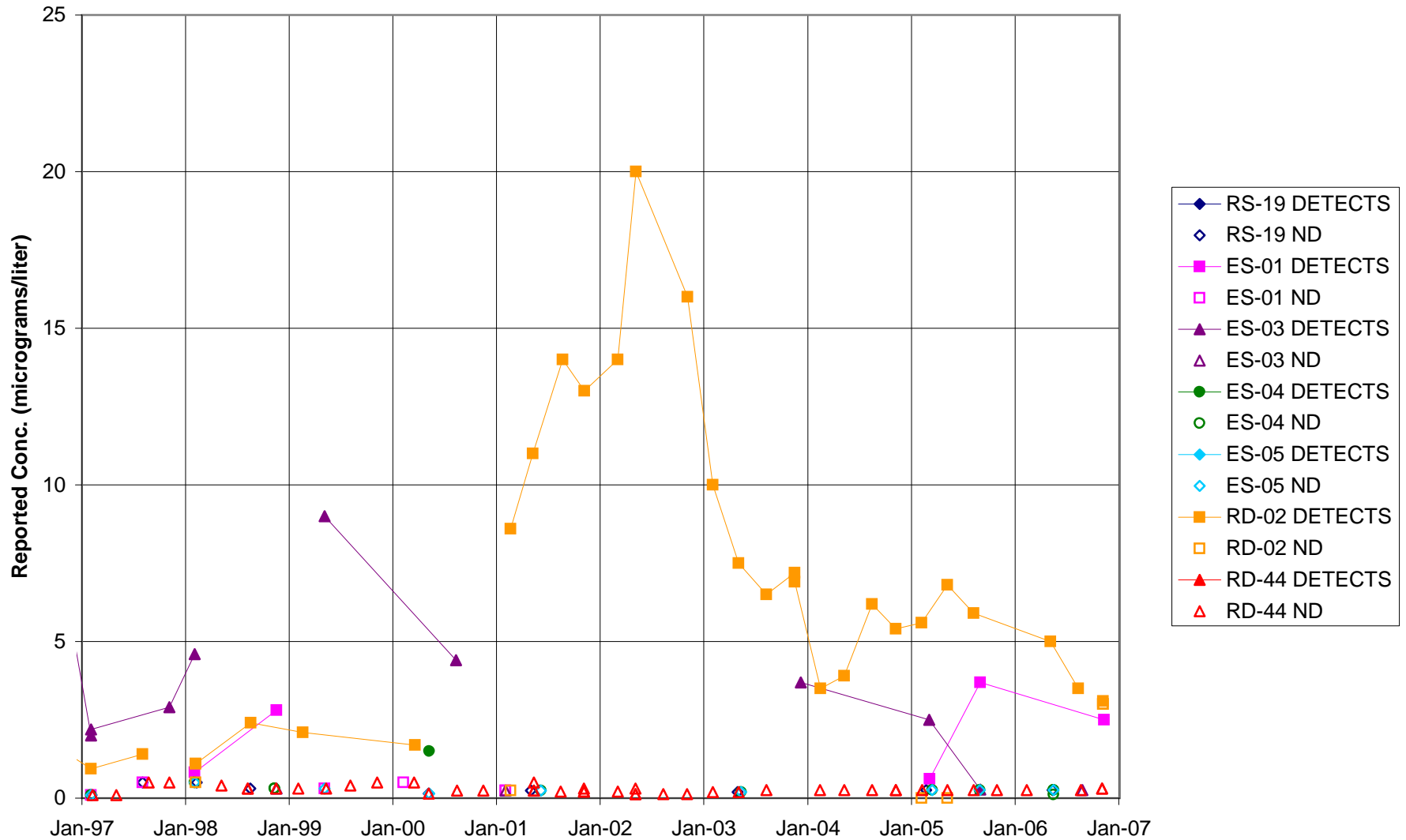


FIGURE F-362. VINYL CHLORIDE in ECL AREA WELLS

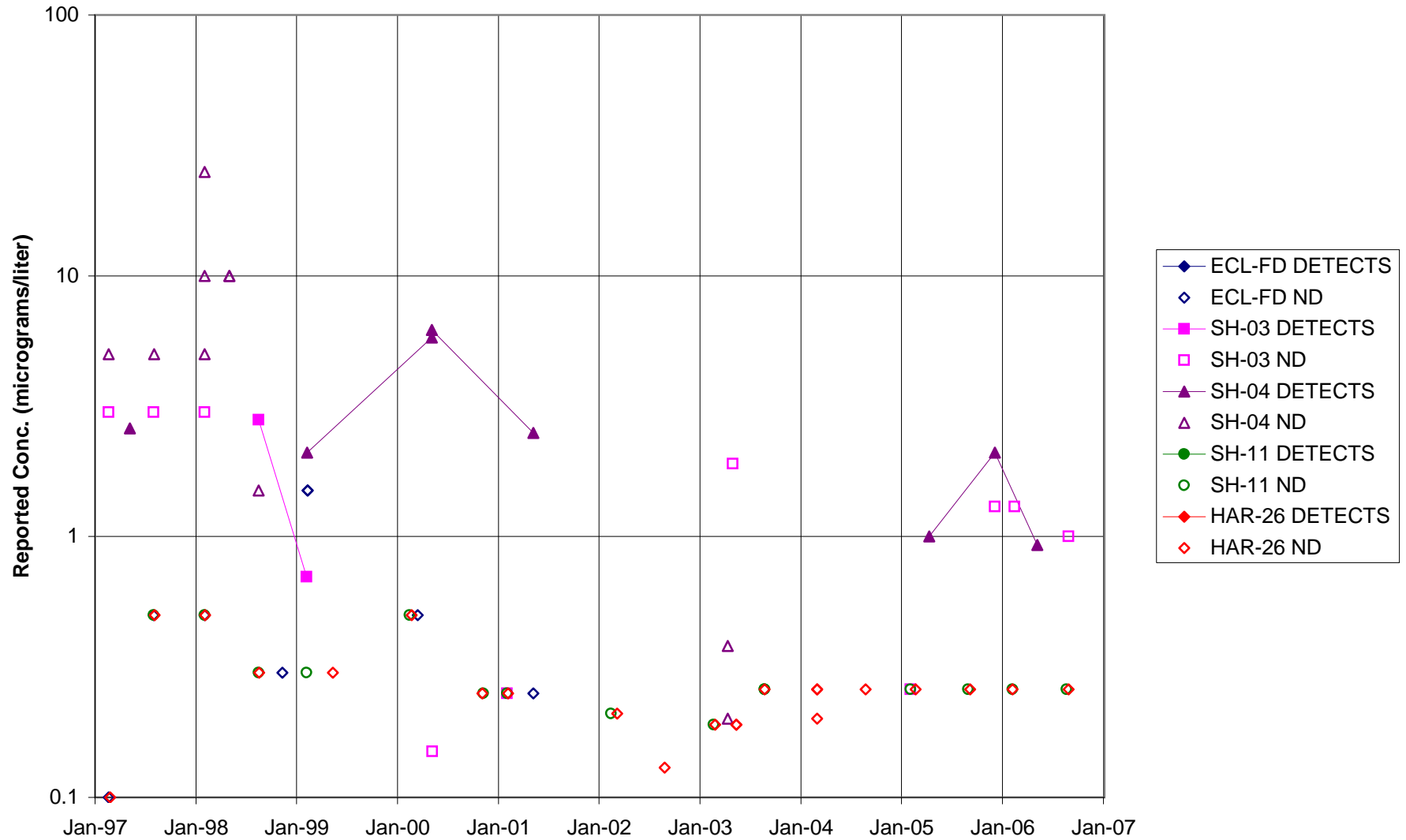


FIGURE F-363. VINYL CHLORIDE in FORMER LOX PLANT AREA WELLS

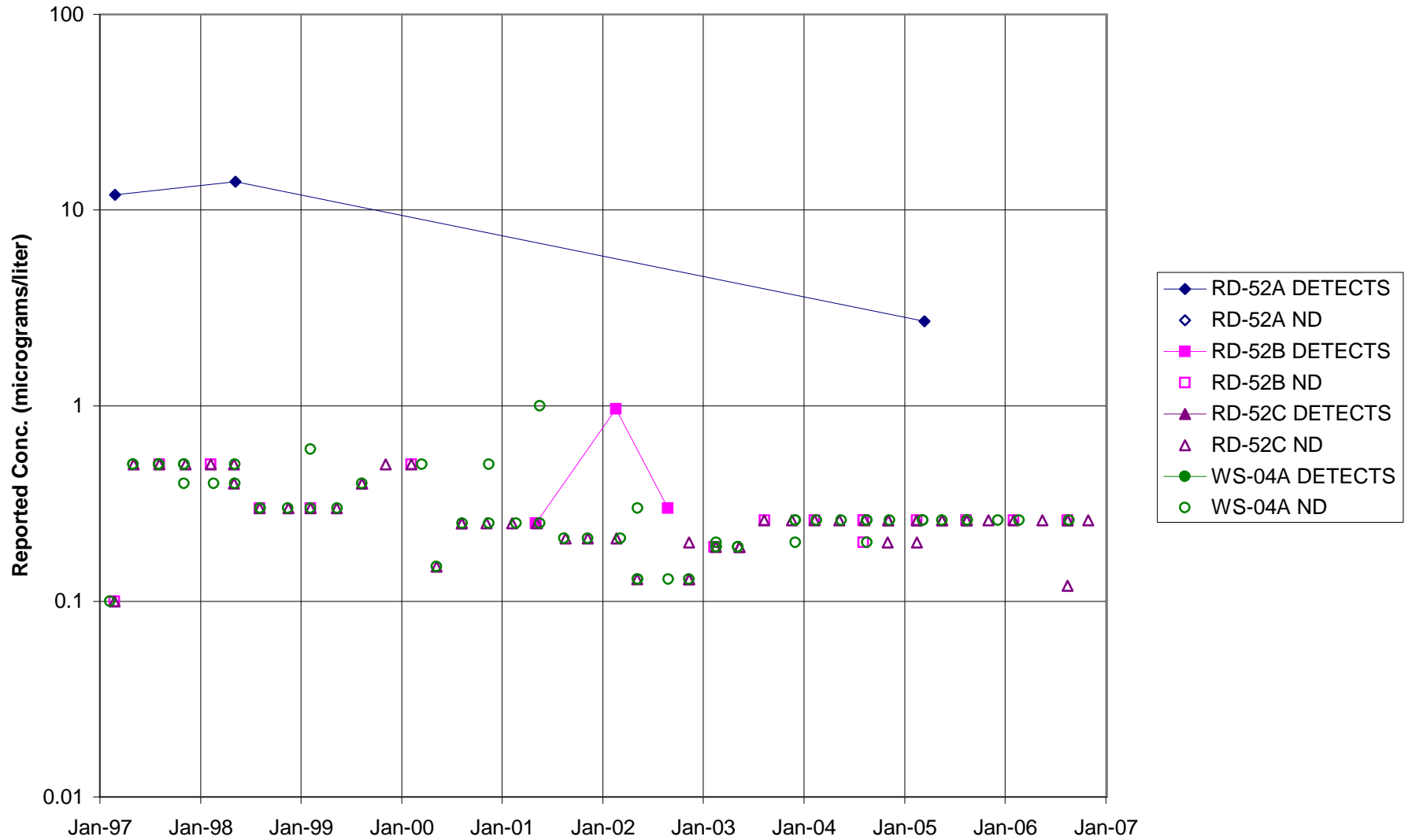


FIGURE F-364. VINYL CHLORIDE in RD-09 AREA WELLS

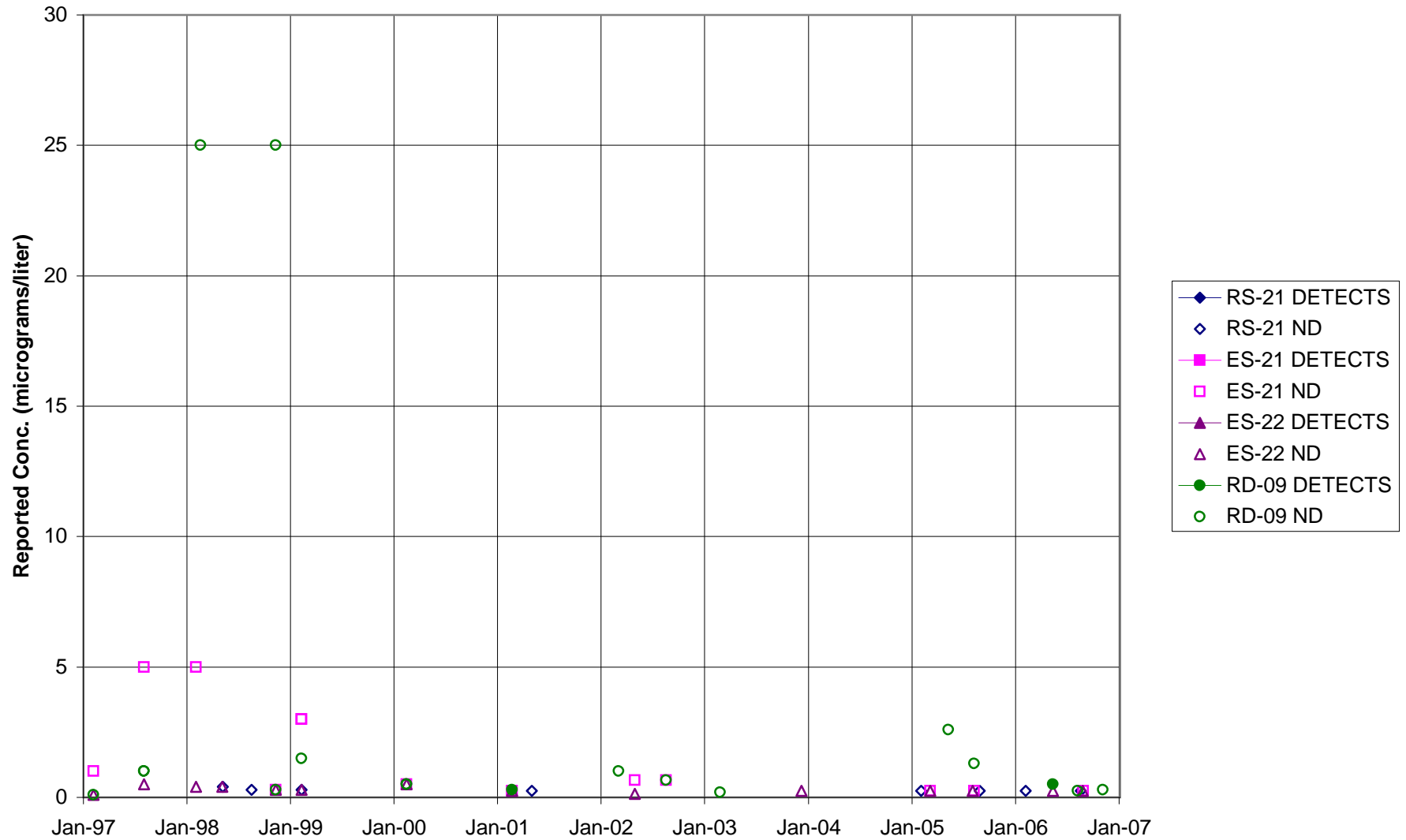


FIGURE F-365. VINYL CHLORIDE in HELIPORT, B/204 AREA WELLS



FIGURE F-366. VINYL CHLORIDE in ALFA / BRAVO AREA WELLS

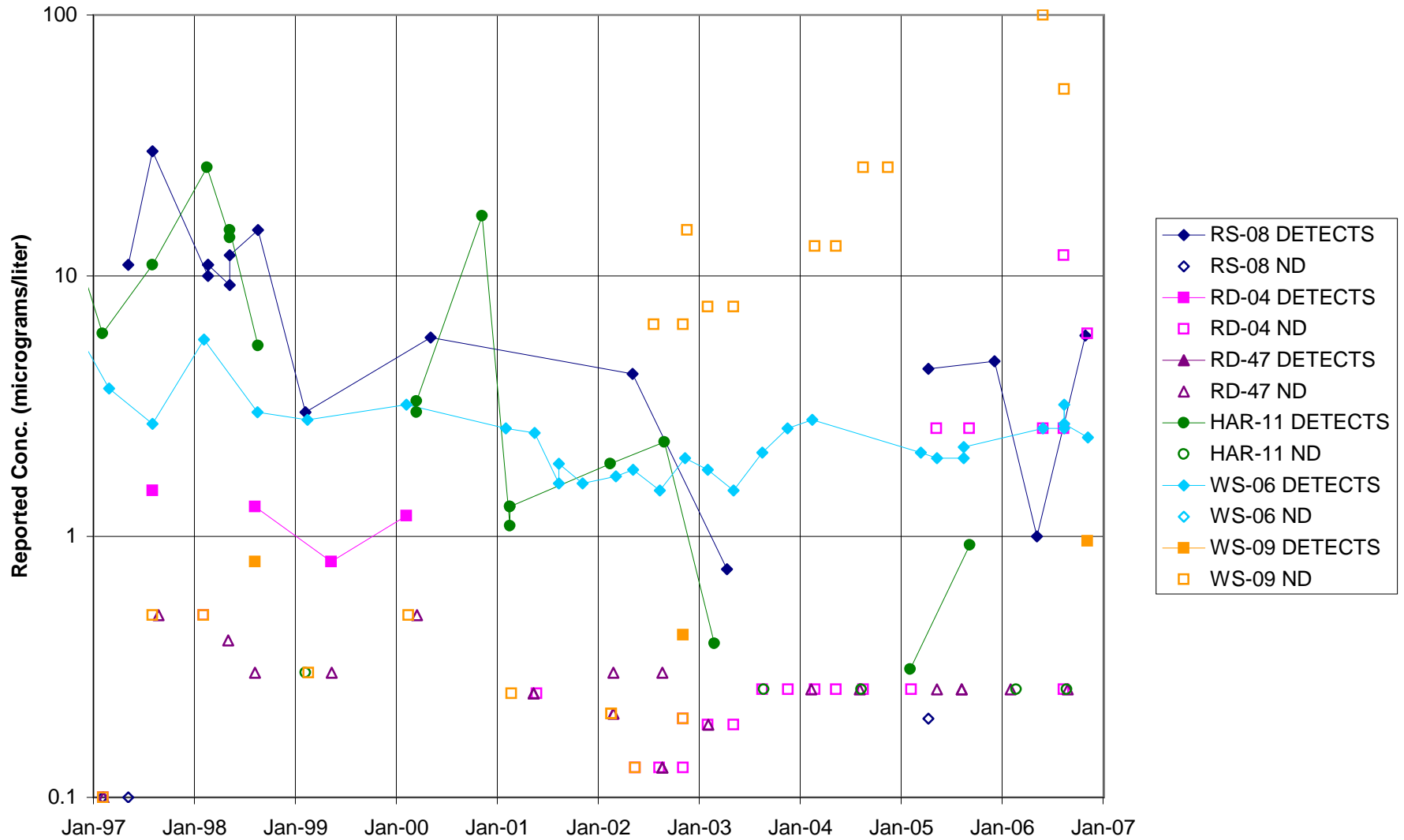


FIGURE F-367. VINYL CHLORIDE in SPA AREA WELLS

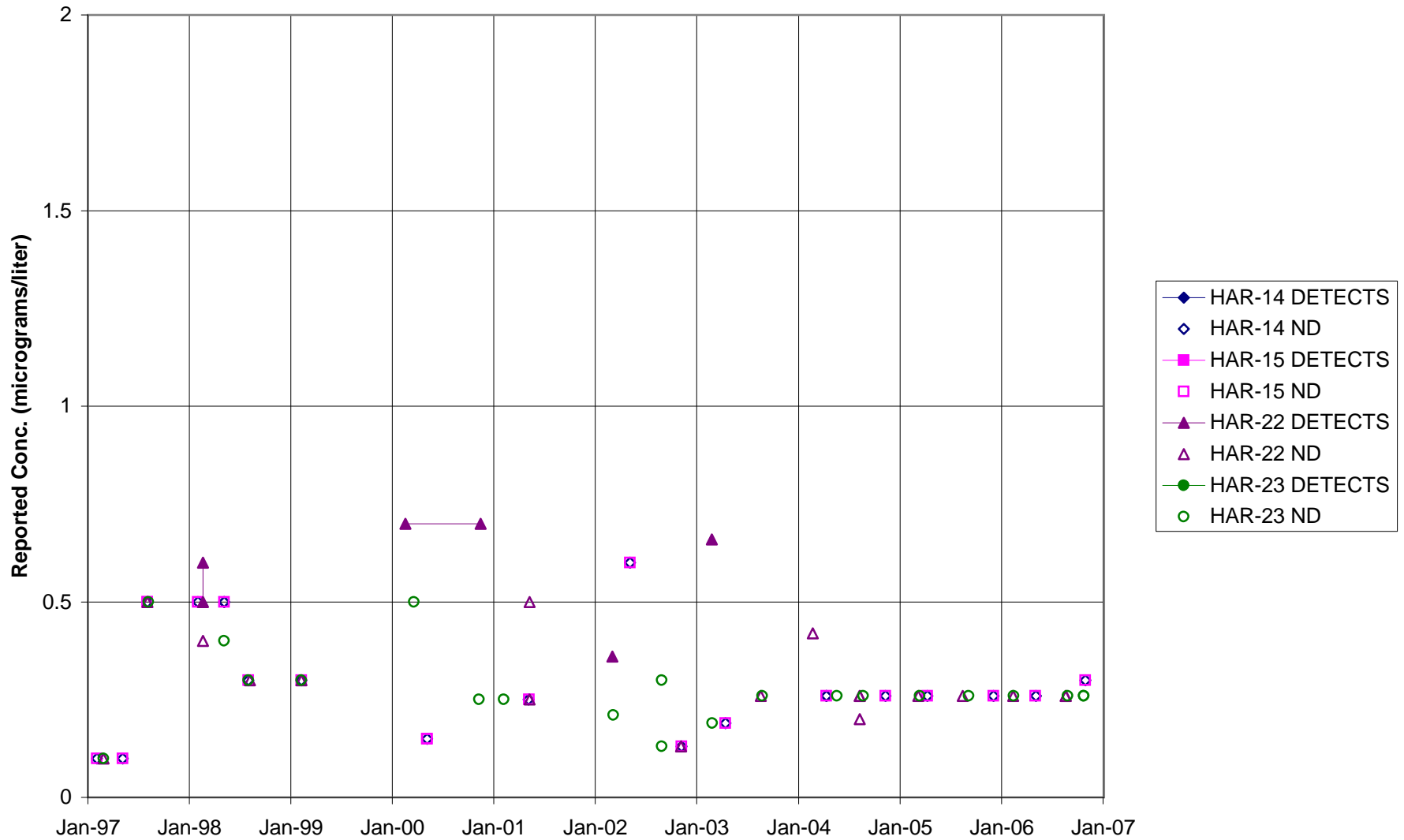


FIGURE F-368. VINYL CHLORIDE in COCA / PLF AREA WELLS

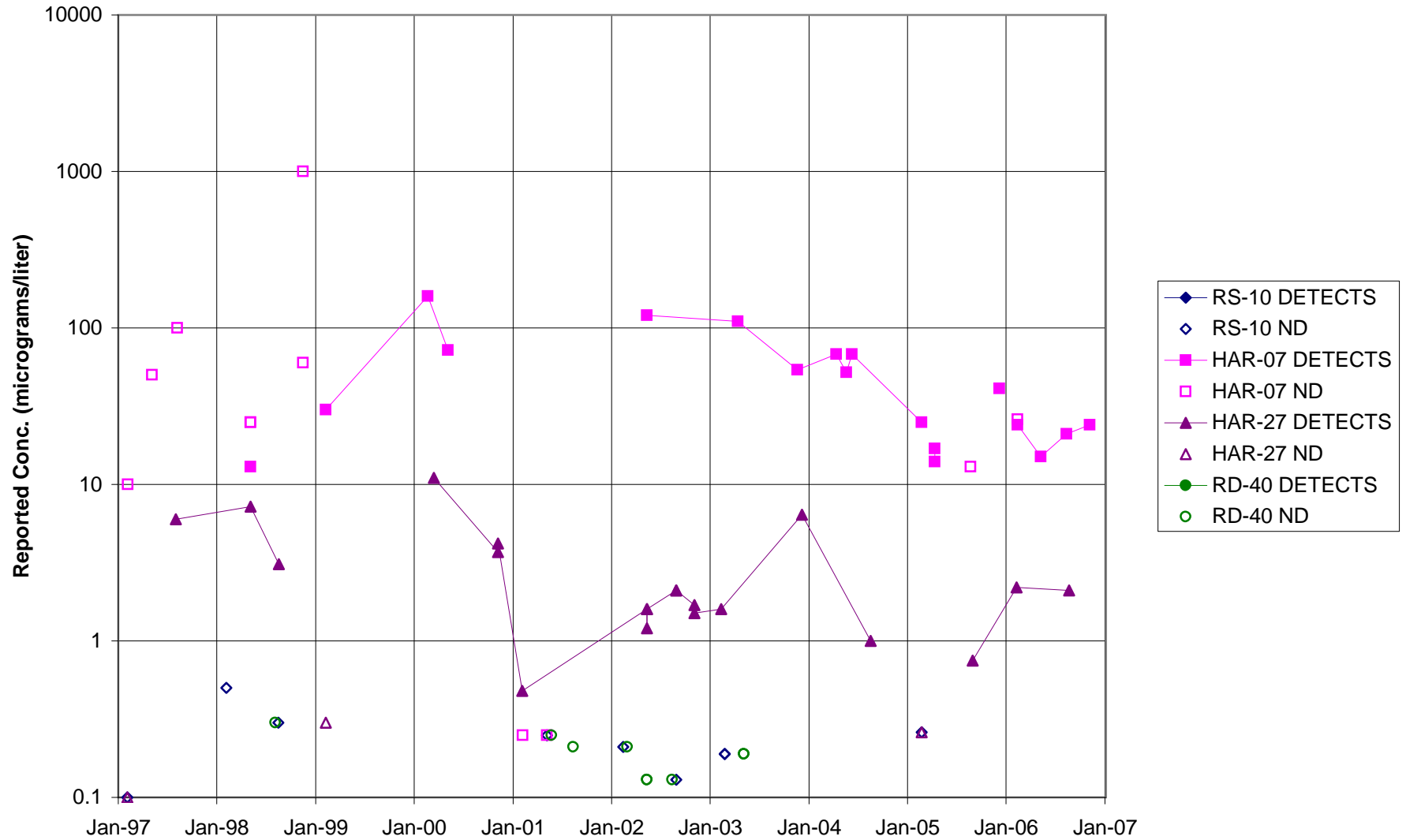
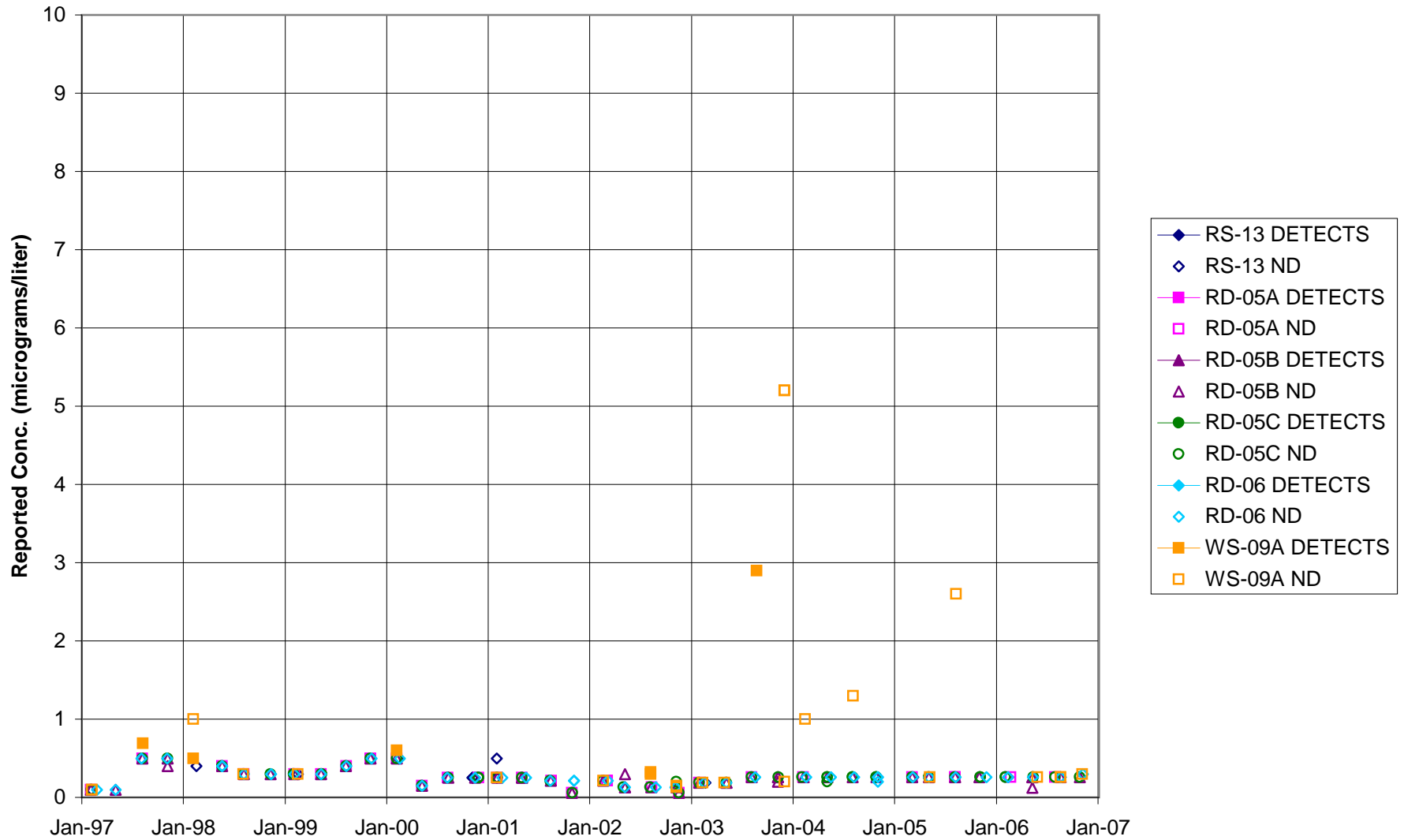


FIGURE F-369. VINYL CHLORIDE in DELTA / BUFFER ZONE AREA WELLS



APPENDIX G

**Surface Water Discharge and
Permitted Groundwater Remediation Systems**

**APPENDIX G
SURFACE WATER DISCHARGE and PERMITTED GROUNDWATER
REMEDATION SYSTEMS**

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2006 Reporting Summary Notes, NPDES Permit CA0001309 1

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G-7	Cumulative Pumpage & VOC Mass Removed to Date – STL-IV ASU – 2006

Notes:

1. For Dioxins and Furans, laboratory results may have been reported in picograms/liter (pg/L). However, the permit limit is stated in micrograms/liter ($\mu\text{g/L}$). To evaluate permit compliance, the laboratory results have been converted to $\mu\text{g/L}$, as necessary, to calculate the TCDD TEQ.
2. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's TEF. The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 46 of the NPDES permit.
3. For some sample dates, pH was determined with a field instrument and was noted as such. These results were not validated. Since pH does not have an RL, the possible pH range is shown in the RL column.
4. The NPDES permit limits for mercury of 0.10 $\mu\text{g/L}$ (Outfalls 1-2) and 0.13 $\mu\text{g/L}$ (Outfalls 3-7) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 $\mu\text{g/L}$ was used to determine compliance.
5. The volume discharged at the Alfa Test Stand (Outfall 012) is estimated based on the run time of the test.
6. For mass based results, the following assumptions and rationale were used:
Daily Constituent Mass (lbs/day) = Constituent Concentration (mg/L) x 8.34 x Measured Outfall Flow (mgd) during the Flow Event.

Monthly Average Constituent Mass (lbs/day) = Sum of all Daily Constituent Mass within a calendar month / Total Number of Days Flow Events Occurred during that month.
7. In calculating monthly average, one-half of the MDL was used for concentration results reported as ND. The estimated value was used for concentration results reported as DNQ. If all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations were considered zero for calculation of the monthly average.
8. All of the following abbreviations and/or notes may not occur on every table.

-92.9 +/-200	A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition
\$	reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator
--	based on validation of the data, a qualifier was not required
-/-	no permit limit established for daily maximum or monthly average
<(value)	analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)
*	result not validated

*1	improper preservation of sample
*2	the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J)
*3	initial and or continuing calibration recoveries were outside acceptable control limits
*4	Extractable Fuel Hydrocarbon (EFH) recovery was above control limit in the blank spike only and relative percent difference for the EFH blank spike/blank spike duplicate pair exceeded the quality control (QC) limit of $\pm 25\%$
*5	blank spike/blank spike duplicate relative percent difference was outside the control limit
*7	BOD results were estimated due to method derivation
*10	value was estimated detect or estimated non detect (J,UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as Estimated Maximum Possible Concentration (EMPC) values
*11	no calibration was performed for this compound; result is reported as a tentatively identified compound (TIC)
ANR	analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed (annual, semi-annual, etc.)
B	laboratory method blank contamination
C	calibration %RSD or %D were noncompliant
C5	Calibration verification %R was outside method control limits
D	analysis with this flag should not be used because another more technically sound analysis is available
%D	percent difference between the initial and continuing calibration relative response factors
deg F	degrees Fahrenheit
DL	detection limit
DNQ	detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less than the laboratory reporting limit)
E	duplicates show poor agreement
H	holding time was exceeded
I	ICP interference check solution results were unsatisfactory
J	estimated value
K	The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 mg/l. Therefore, the reported result is an estimated value only.
L2	the laboratory control sample %R was below the method control limits
L	laboratory control sample %R was outside control limits
LOD	limit of detection
M1	matrix spike (MS) and/or MS duplicate were above the acceptance limits due to sample matrix interference
M2	the MS and/or MS duplicate were below the acceptance limits due to sample matrix interference
M-3	Results exceeded the linear range in the MS and/or MS duplicate and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
MDA	minimum detectable activity
MDL	method detection limit
MGD	million gallons per day
mg/L	milligrams per liter

ml/L/hr	milliliters per liter per hour
NA	not applicable; no permit limit established for the constituent and/or outfall
ND	analyte value less than the LOD or MDL
NM	not measured or determined
NTU	nephelometric turbidity unit
pCi/L	picocuries per liter
pg/L	picograms per liter
Q	matrix spike recovery outside of control limits
R	as a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified
R	(reason code in parentheses) %R for calibration not within control limits
RL	laboratory reporting limit
RL-1	reporting limit raised due to sample matrix effects
%RSD	percent relative standard deviation
S	surrogate recovery was outside control limits
TEQ	toxic equivalent
T	presumed contamination, as indicated by a detect in the trip blank
TU _c	toxicity units (chronic)
U	result not detected
µg/L	micrograms per liter
UJ	result not detected at the estimated reporting limit
umhos/cm	micromhos per centimeter
WHO TEF	World Health Organization toxic equivalency factor
^	analysis not completed due to hold time exceedence or insufficient sample volume
+	False positive – reported compound was not present. Not applicable.

TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/2/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	0.56	--
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	20	J (*7)
Chloride	mg/L	150/-	8.1	*
Specific Conductivity (Lab)	umhos/cm	-/-	270	--
Surfactants (MBAS)	mg/L	0.5/-	0.10	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	3.7	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.08	*
Total Settleable Solids	ml/L	0.3/0.1	10	*
Sulfate	mg/L	300/-	25	*
Temperature	deg. F	86/-	60.3	*
Total Cyanide	ug/L	8.5/4.3	7.4	--
Total Dissolved Solids	mg/L	950/-	270	*
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	2300	*
Turbidity	NTU	-/-	1600	--
Volume Discharged	MGD	160/-	0.82	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR
Chromium	ug/L	16.3/8.1	100	--
Chromium VI	ug/L	16.3/8.1	ND < 0.65	*
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	55	--
Iron	mg/L	0.3/-	92	--
Lead	ug/L	5.2/2.6	160	--
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	0.13	J (DNQ)
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

Haley & Aldrich, Inc.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/2/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.52	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.095	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/2/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00095	*
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	2.1	J* (B, DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			1/2/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.74	*
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ANR	ANR
Oil & Grease	mg/L	15/10	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR
Total Settleable Solids	m/L	0.3/0.1	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR
Volume Discharged	MGD	160/-	0	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	4.6	*
Iron	mg/L	0.3/-	ANR	ANR
Lead	ug/L	5.2/2.6	1.3	*
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	2.0	J (R)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	2.6	*
Chloride	mg/L	150/-	32	*
Specific Conductivity (Lab)	umhos/cm	-/-	520	--
Surfactants (MBAS)	mg/L	0.5/-	0.062	J* (DNQ)
Fluoride	mg/L	1.6/-	0.29	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	2.2	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.60	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	70	*
Temperature	deg. F	86/-	67.1	*
Total Cyanide	ug/L	8.5/4.3	7.3	--
Total Dissolved Solids	mg/L	950/-	300	*
Total Organic Carbon	mg/L	-/-	13	--
Total Residual Chlorine	mg/L	0.1/-	ND < 0.10	*
Total Suspended Solids	mg/L	45/15	23	*
Turbidity	NTU	-/-	22	--
Volume Discharged	MGD	160/-	0.63	*
METALS				
Antimony	ug/L	6.0/-	0.25	J* (DNQ)
Arsenic	ug/L	50/-	ND < 3.8	U
Barium	mg/L	1.0/-	0.044	--
Beryllium	ug/L	4.0/-	ND < 0.62	U
Boron	mg/L	-/-	0.080	--
Cadmium	ug/L	4.0/2.0	ND < 1.0	UJ (B)
Chromium	ug/L	16.3/8.1	1.9	J (DNQ)
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ND < 2.0	U
Copper	ug/L	14.0/7.1	3.5	*
Iron	mg/L	0.3/-	1.4	--
Lead	ug/L	5.2/2.6	2.1	*
Manganese	ug/L	50/-	62	--
Mercury	ug/L	0.10/0.05	ND < 0.063	*
Nickel	ug/L	96/35	2.5	J (DNQ)
Selenium	ug/L	8.2/4.1	ND < 0.36	*
Silver	ug/L	4.1/2.0	ND < 0.089	*
Thallium	ug/L	2.0/-	0.10	J* (DNQ)
Vanadium	ug/L	-/-	5.0	J (DNQ)
Zinc	ug/L	119/54	7.1	J (DNQ)
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.32	U
1,4-Dioxane	ug/L	-/-	0.56	J (DNQ)

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.52	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ND < 0.042	U
GRO (C4 - C12)	mg/L	-/-	ND < 0.050	UJ (C)
TRPH	mg/L	-/-	ND < 0.31	U
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ND < 2.5	UJ (*10)
2,4,5-Trichlorophenol	ug/L	-/-	ND < 0.071	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.24	U
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 0.095	U
1,2-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.32	U
1,2-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.10	U
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	0.095	J (DNQ)
1,3-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.12	U
1,3-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.35	U
1,4-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.048	U
1,4-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.095	U
2,4-Dichlorophenol	ug/L	-/-	ND < 0.20	U
2,4-Dimethylphenol	ug/L	-/-	ND < 0.30	U
2,4-Dinitrophenol	ug/L	-/-	ND < 2.6	U
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	U
2,6-Dinitrotoluene	ug/L	-/-	ND < 0.23	U
2-Chloroethylvinylether	ug/L	-/-	ND < 1.8	UJ (C)
2-Chloronaphthalene	ug/L	-/-	ND < 0.056	U
2-Chlorophenol	ug/L	-/-	ND < 0.11	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 0.36	U
2-Methylnaphthalene	ug/L	-/-	ND < 0.12	U
2-Methylphenol	ug/L	-/-	ND < 0.27	U
2-Nitrophenol	ug/L	-/-	ND < 0.22	U
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 0.89	U
4,4'-DDD	ug/L	-/-	ND < 0.019	U
4,4'-DDE	ug/L	-/-	ND < 0.024	U
4,4'-DDT	ug/L	-/-	ND < 0.034	UJ (C)
4-Bromophenylphenylether	ug/L	-/-	ND < 0.11	U
4-Chloro-3-methylphenol	ug/L	-/-	ND < 0.32	U
4-Chloroaniline	ug/L	-/-	ND < 0.19	U
4-Chlorophenylphenylether	ug/L	-/-	ND < 0.053	U
4-Nitrophenol	ug/L	-/-	ND < 0.70	U
Acenaphthene	ug/L	-/-	ND < 0.095	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Acenaphthylene	ug/L	-/-	ND < 0.095	U
Acrolein	ug/L	-/-	ND < 4.6	U
Acrylonitrile	ug/L	-/-	ND < 0.70	U
Acute Toxicity	% SURVIVAL	70-100/-	100	*
Aldrin	ug/L	-/-	ND < 0.029	U
alpha-BHC	ug/L	0.03/0.01	ND < 0.00047	U
Aniline	ug/L	-/-	ND < 2.8	U
Anthracene	ug/L	-/-	ND < 0.079	U
Aroclor-1016	ug/L	-/-	ND < 0.19	U
Aroclor-1221	ug/L	-/-	ND < 0.096	U
Aroclor-1232	ug/L	-/-	ND < 0.24	U
Aroclor-1242	ug/L	-/-	ND < 0.24	U
Aroclor-1248	ug/L	-/-	ND < 0.24	UJ (C)
Aroclor-1254	ug/L	-/-	ND < 0.24	UJ (C)
Aroclor-1260	ug/L	-/-	ND < 0.38	UJ (C)
Benzidine	ug/L	-/-	ND < 3.0	R (L)
Benzo(a)anthracene	ug/L	-/-	ND < 0.036	U
Benzo(a)pyrene	ug/L	-/-	ND < 0.13	U
Benzo(b)fluoranthene	ug/L	-/-	ND < 0.048	U
Benzo(g,h,i)perylene	ug/L	-/-	ND < 0.056	U
Benzo(k)fluoranthene	ug/L	-/-	ND < 0.050	U
Benzoic Acid	ug/L	-/-	ND < 3.5	R (L)
Benzyl alcohol	ug/L	-/-	ND < 0.20	U
beta-BHC	ug/L	-/-	ND < 0.014	U
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 0.080	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.0	U
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 0.069	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 0.10	U
Bromodichloromethane	ug/L	-/-	ND < 0.30	U
Bromoform	ug/L	-/-	ND < 0.32	U
Bromomethane	ug/L	-/-	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	0.34	J (DNQ)
Chlordane	ug/L	-/-	ND < 0.19	U
Chlorobenzene	ug/L	-/-	ND < 0.36	U
Chloroethane	ug/L	-/-	ND < 0.40	U
Chloromethane	ug/L	-/-	0.41	J (DNQ)
Chronic Toxicity	TUC	1.0/-	1.0	*
Chrysene	ug/L	-/-	ND < 0.069	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	U
Cyclohexane	ug/L	-/-	ND < 2.5	UJ (*10)
delta-BHC	ug/L	-/-	ND < 0.019	U
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 0.079	U
Dibenzofuran	ug/L	-/-	ND < 0.071	U
Dibromochloromethane	ug/L	-/-	ND < 0.28	U
Dieldrin	ug/L	-/-	ND < 0.014	U
Diethylphthalate	ug/L	-/-	ND < 0.11	U
Dimethylphthalate	ug/L	-/-	ND < 0.077	UJ (L)
Di-n-butylphthalate	ug/L	-/-	ND < 0.25	U
Di-n-octylphthalate	ug/L	-/-	ND < 0.16	U

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Endosulfan I	ug/L	-/-	ND < 0.014	U
Endosulfan II	ug/L	-/-	ND < 0.038	U
Endosulfan sulfate	ug/L	-/-	ND < 0.019	U
Endrin	ug/L	-/-	ND < 0.019	U
Endrin aldehyde	ug/L	-/-	ND < 0.043	U
Endrin ketone	ug/L	-/-	ND < 0.019	U
Fluoranthene	ug/L	-/-	ND < 0.085	U
Fluorene	ug/L	-/-	ND < 0.071	U
Heptachlor	ug/L	-/-	ND < 0.029	UJ (C)
Heptachlor epoxide	ug/L	-/-	ND < 0.029	U
Hexachlorobenzene	ug/L	-/-	ND < 0.12	U
Hexachlorobutadiene	ug/L	-/-	ND < 0.36	U
Hexachlorocyclopentadiene	ug/L	-/-	ND < 1.7	U
Hexachloroethane	ug/L	-/-	ND < 0.49	U
Hydrazine	ug/L	-/-	ND < 0.39	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 0.18	U
Isophorone	ug/L	-/-	0.095	J (DNQ)
Lindane (gamma-BHC)	ug/L	-/-	ND < 0.019	U
Methoxychlor	ug/L	-/-	ND < 0.034	UJ (C)
Methylene Chloride	ug/L	-/-	ND < 0.70	U
m-Nitroaniline	ug/L	-/-	ND < 0.33	U
Monomethyl Hydrazine	ug/L	-/-	ND < 1.2	U
Naphthalene	ug/L	-/-	ND < 0.12	U
Nitrobenzene	ug/L	-/-	ND < 0.095	U
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 0.17	U
n-Nitrosodiphenylamine	ug/L	-/-	ND < 0.073	U
o-Nitroaniline	ug/L	-/-	ND < 0.17	U
p-Cresol	ug/L	-/-	ND < 0.19	U
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.74	U
Phenanthrene	ug/L	-/-	ND < 0.068	U
Phenol	ug/L	-/-	ND < 0.13	U
p-Nitroaniline	ug/L	-/-	ND < 0.47	U
Pyrene	ug/L	-/-	ND < 0.056	U
Toxaphene	ug/L	-/-	ND < 1.4	U
trans-1,2-Dichloroethene	ug/L	-/-	ND < 0.27	U
trans-1,3-Dichloropropene	ug/L	-/-	ND < 0.32	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ND < 0.27	U

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	2.64 ±1.7	1.95	J (R,H)
Gross Beta	pCi/L	50/-	7.69 ±1.6	2.06	J (H)
Strontium-90	pCi/L	8.0/-	ANR	ANR	ANR
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	ANR	ANR	ANR
Tritium	pCi/L	20000/-	ANR	ANR	ANR

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TABLE G-1
 NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/29/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	0.56	J (R)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	1.3	J* (DNQ)
Chloride	mg/L	150/-	28	*
Specific Conductivity (Lab)	umhos/cm	-/-	500	--
Surfactants (MBAS)	mg/L	0.5/-	0.057	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	3.1	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.60	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	78	*
Temperature	deg. F	86/-	66.0	*
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	300	*
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*
Turbidity	NTU	-/-	18	--
Volume Discharged	MGD	160/-	0.06	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	3.0	*
Iron	mg/L	0.3/-	0.87	--
Lead	ug/L	5.2/2.6	0.91	J* (DNQ)
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	*
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	UJ (C)
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	UJ (C)
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			3/29/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00094	*
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR

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TABLE G-1

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			3/29/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.6	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			3/29/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
Data provided by MWH.

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			4/5/2006		4/15/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	0.84	J (*3)	ND < 0.30	U
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	2.6	*	3.0	*
Chloride	mg/L	150/-	8.7	*	24	*
Specific Conductivity (Lab)	umhos/cm	-/-	230	--	470	--
Surfactants (MBAS)	mg/L	0.5/-	0.13	RL-1, J* (DNQ)	0.094	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate-N	mg/L	8.0/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	2.2	*	0.19	*
Oil & Grease	mg/L	15/10	ND < 0.89	*	1.9	J (DNQ)
Perchlorate	ug/L	6.0/-	ND < 0.80	*	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.4	*	7.1	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*	ND < 0.10	*
Sulfate	mg/L	300/-	23	*	63	*
Temperature	deg. F	86/-	61	*	54	*
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	160	*	250	--
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	35	*	36	--
Turbidity	NTU	-/-	50	--	70	--
Volume Discharged	MGD	160/-	0.6929	*	0.0286	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	4.4	--	3.4	*
Iron	mg/L	0.3/-	3.1	--	1.8	--
Lead	ug/L	5.2/2.6	4.1	--	1.8	*
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	*	ND < 0.050	*
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ND < 0.27	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			4/5/2006		4/15/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U	ND < 0.26	U
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	*	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.19	*	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			4/5/2006		4/15/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00095	*	ND < 0.00095	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.6	*	1.7	B, J* (DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-I

NPDES PERMIT CA0001309, OUTFALL - 001
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/5/2006		4/15/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.094	*	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.094	*	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.
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TABLE G-II

NPDES PERMIT CA0001309, OUTFALL - 001
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/2/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	136	J (*7)
Chloride	LBS/DAY	200,160/-	55	*
Surfactants (MBAS)	LBS/DAY	667/-	0.68	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	25	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*
Perchlorate	LBS/DAY	8.0/-	ND	*
Sulfate	LBS/DAY	400,320/-	170	*
Total Cyanide	LBS/DAY	11.3/5.7	0.05	--
Total Dissolved Solids	LBS/DAY	1,270,000/-	1,838	*
Total Suspended Solids	LBS/DAY	60,048/20,016	15,658	*
METALS				
Chromium	LBS/DAY	21.8/10.8	0.68	--
Copper	LBS/DAY	18.7/9.5	0.37	--
Iron	LBS/DAY	400/-	626	--
Lead	LBS/DAY	6.94/3.5	1.1	--
Mercury	LBS/DAY	0.13/0.07	0.00089	J (DNQ)
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	0.014	J* (B, DNQ)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	3.13E-08	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-II

NPDES PERMIT CA0001309, OUTFALL - 001
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	ANR	ANR
Chloride	LBS/DAY	200,160/-	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR
METALS				
Chromium	LBS/DAY	21.8/10.8	ANR	ANR
Copper	LBS/DAY	18.7/9.5	0	*
Iron	LBS/DAY	400/-	ANR	ANR
Lead	LBS/DAY	6.94/3.5	0	*
Mercury	LBS/DAY	0.13/0.07	ANR	ANR
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-II

NPDES PERMIT CA0001309, OUTFALL - 001
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	14	*
Chloride	LBS/DAY	200,160/-	168	*
Surfactants (MBAS)	LBS/DAY	667/-	0.33	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	1.5	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	12	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*
Perchlorate	LBS/DAY	8.0/-	ND	*
Sulfate	LBS/DAY	400,320/-	367	*
Total Cyanide	LBS/DAY	11.3/5.7	0.038	--
Total Dissolved Solids	LBS/DAY	1,270,000/-	1574	*
Total Residual Chlorine	LBS/DAY	133/-	ND	*
Total Suspended Solids	LBS/DAY	60,048/20,016	121	*
METALS				
Antimony	LBS/DAY	8.01/-	0.001	J* (DNQ)
Arsenic	LBS/DAY	66.7/-	ND	U
Barium	LBS/DAY	1,330/-	0.23	--
Beryllium	LBS/DAY	5.34/-	ND	U
Cadmium	LBS/DAY	5.34/2.7	ND	UJ (B)
Chromium	LBS/DAY	21.8/10.8	0.010	J (DNQ)
Copper	LBS/DAY	18.7/9.5	0.018	*
Iron	LBS/DAY	400/-	7.3	--
Lead	LBS/DAY	6.94/3.5	0.011	*
Manganese	LBS/DAY	66.7/-	0.33	--
Mercury	LBS/DAY	0.13/0.07	ND	*
Nickel	LBS/DAY	128/47	0.013	J (DNQ)
Selenium	LBS/DAY	10.9/5.5	ND	*
Silver	LBS/DAY	5.5/2.7	ND	*
Thallium	LBS/DAY	2.7/-	0.001	J* (DNQ)
Zinc	LBS/DAY	159/72	0.037	J (DNQ)
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	U
alpha-BHC	LBS/DAY	0.04/0.013	ND	U
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	U
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	U
Pentachlorophenol	LBS/DAY	22/10.9	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	7.71E-11	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-II

NPDES PERMIT CA0001309, OUTFALL - 001
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/29/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	0.61	J* (DNQ)
Chloride	LBS/DAY	200,160/-	13	*
Surfactants (MBAS)	LBS/DAY	667/-	0.027	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	1.5	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*
Perchlorate	LBS/DAY	8.0/-	ND	*
Sulfate	LBS/DAY	400,320/-	37	*
Total Cyanide	LBS/DAY	11.3/5.7	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	141	*
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*
METALS				
Copper	LBS/DAY	18.7/9.5	0.001	*
Iron	LBS/DAY	400/-	0.41	--
Lead	LBS/DAY	6.94/3.5	0.00043	J* (DNQ)
Mercury	LBS/DAY	0.13/0.07	ND	*
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	4.14E-12	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-II

NPDES PERMIT CA0001309, OUTFALL - 001
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/5/2006		4/15/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	15	*	0.72	*
Chloride	LBS/DAY	200,160/-	50	*	5.7	*
Surfactants (MBAS)	LBS/DAY	667/-	0.75	RL-1, J* (DNQ)	0.022	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	13	*	0.045	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*	0.45	J (DNQ)
Perchlorate	LBS/DAY	8/-	ND	*	ND	*
Sulfate	LBS/DAY	400,320/-	133	*	15	*
Total Cyanide	LBS/DAY	11.3/5.7	ND	*	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	925	*	60	--
Total Suspended Solids	LBS/DAY	60,048/20,016	202	*	8.6	--
METALS						
Copper	LBS/DAY	18.7/9.5	0.025	--	0.0008	*
Iron	LBS/DAY	400/-	18	--	0.43	--
Lead	LBS/DAY	6.94/3.5	0.024	--	0.0004	*
Mercury	LBS/DAY	0.13/0.07	ND	*	ND	*
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8/4.3	ND	U	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U	ND	U
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	*	0.0004	B, J* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	*	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	2.21E-09	*	2.08E-12	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-III
 NPDES PERMIT CA 0001309, OUTFALL - 001
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date January 2, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.60E-04	--	0.01	3.60E-06	3.60E-06
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	6.86E-05	--	0.01	6.86E-07	6.86E-07
1,2,3,4,7,8,9-HpCDF	0.00E+00	2.50E-05	7.90E-06	J (DNQ)	0.01	7.90E-08	ND
1,2,3,4,7,8-HxCDD	0.00E+00	2.50E-05	7.18E-06	J (DNQ)	0.1	7.18E-07	ND
1,2,3,4,7,8-HxCDF	0.00E+00	2.50E-05	5.14E-06	J (DNQ)	0.1	5.14E-07	ND
1,2,3,6,7,8-HxCDD	0.00E+00	2.50E-05	1.91E-05	J (DNQ)	0.1	1.91E-06	ND
1,2,3,6,7,8-HxCDF	0.00E+00	2.50E-05	5.34E-06	J (DNQ)	0.1	5.34E-07	ND
1,2,3,7,8,9-HxCDD	0.00E+00	2.50E-05	1.55E-05	J (DNQ)	0.1	1.55E-06	ND
1,2,3,7,8,9-HxCDF	1.69E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	0.00E+00	2.50E-05	5.34E-06	J (DNQ)	1	5.34E-06	ND
1,2,3,7,8-PeCDF	0.00E+00	2.50E-05	2.79E-06	J (DNQ)	0.05	1.40E-07	ND
2,3,4,6,7,8-HxCDF	0.00E+00	2.50E-05	5.81E-06	J (DNQ)	0.1	5.81E-07	ND
2,3,4,7,8-PeCDF	0.00E+00	2.50E-05	4.89E-06	J (DNQ)	0.5	2.45E-06	ND
2,3,7,8-TCDD	1.58E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	0.00E+00	5.00E-06	4.19E-06	J (DNQ,*10)	0.1	4.19E-07	ND
OCDD	0.00E+00	5.00E-05	2.88E-03	--	0.0001	2.88E-07	2.88E-07
OCDF	0.00E+00	5.00E-05	2.62E-04	--	0.0001	2.62E-08	2.62E-08

TCDD TEQ w/ DNQ Values	1.88E-05	
TCDD TEQ w/out DNQ Values		4.60E-06

Dioxin TCDD TEQ compliance limit established for this outfall? **Yes** TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Tables for abbreviations, definitions, and other explanations.
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TABLE G-III

NPDES PERMIT CA 0001309, OUTFALL - 001
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date February 28, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.85E-05	J (DNQ)	0.01	1.85E-07	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	3.22E-06	ND	UJ (*10)	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.15E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.87E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	8.00E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.91E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	7.86E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.80E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.03E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	9.14E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	9.95E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	8.48E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.17E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.07E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.29E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.47E-04	--	0.0001	1.47E-08	1.47E-08
OCDF	0.00E+00	5.00E-05	9.93E-06	J (DNQ)	0.0001	9.93E-10	ND

TCDD TEQ w/ DNQ Values	2.01E-07	
TCDD TEQ w/out DNQ Values		1.47E-08

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Tables for abbreviations, definitions, and other explanations.

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TABLE G-III

NPDES PERMIT CA 0001309, OUTFALL - 001
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date March 29, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.07E-05	J (DNQ)	0.01	1.07E-07	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	1.64E-06	J (DNQ)	0.01	1.64E-08	ND
1,2,3,4,7,8,9-HpCDF	5.19E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.34E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	3.39E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.28E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	3.26E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.27E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	4.70E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.21E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.35E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	3.62E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.27E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.03E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	9.51E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	8.83E-05	--	0.0001	8.83E-09	8.83E-09
OCDF	0.00E+00	5.00E-05	4.15E-06	J (DNQ)	0.0001	4.15E-10	ND

TCDD TEQ w/ DNQ Values	1.33E-07	
TCDD TEQ w/out DNQ Values		8.83E-09

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Tables for abbreviations, definitions, and other explanations.

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TABLE G-III

NPDES PERMIT CA 0001309, OUTFALL - 001
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: April 5, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.46E-05	--	0.01	3.46E-07	3.46E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	7.03E-06	J (DNQ)	0.01	7.03E-08	ND
1,2,3,4,7,8,9-HpCDF	1.63E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	0.00E+00	1.12E-06	ND	UJ (*10)	0.1	ND	ND
1,2,3,4,7,8-HxCDF	2.36E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	0.00E+00	2.50E-05	1.93E-06	J (DNQ)	0.1	1.93E-07	ND
1,2,3,6,7,8-HxCDF	1.26E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.93E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	9.38E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.04E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	9.51E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.25E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	0.00E+00	2.50E-05	1.06E-06	J (DNQ)	0.5	5.30E-07	ND
2,3,7,8-TCDD	9.18E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.05E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	3.57E-04	--	0.0001	3.57E-08	3.57E-08
OCDF	0.00E+00	5.00E-05	1.85E-05	J (DNQ)	0.0001	1.85E-09	ND

TCDD TEQ w/ DNQ Values	1.18E-06	
TCDD TEQ w/out DNQ Values		3.82E-07

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Tables for abbreviations, definitions, and other explanations.

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TABLE G-III
 NPDES PERMIT CA 0001309, OUTFALL - 001
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: April 15, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.06E-05	J (DNQ)	0.01	1.06E-07	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	2.27E-06	J (DNQ)	0.01	2.27E-08	ND
1,2,3,4,7,8,9-HpCDF	8.06E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.48E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	5.90E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.53E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	5.52E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.46E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	4.25E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	8.46E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	9.21E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	6.36E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.26E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	5.85E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	5.88E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	8.74E-05	--	0.0001	8.74E-09	8.74E-09
OCDF	0.00E+00	5.00E-05	3.74E-06	J (DNQ)	0.0001	3.74E-10	ND

TCDD TEQ w/ DNQ Values	1.38E-07	
TCDD TEQ w/out DNQ Values		8.74E-09

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Tables for abbreviations, definitions, and other explanations.
 Data provided by MWH.
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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/1/2006		1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	ND < 0.30	U	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	33	--	ANR	ANR
Chloride	mg/L	150/-	56	(\$)	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	890	--	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	0.55	J (Q)	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	10	(\$)	ANR	ANR
Oil & Grease	mg/L	15/10	ND < 0.94	*	ANR	ANR
Perchlorate	ug/L	6.0/-	ND < 0.80	*	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.23	*	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*	ANR	ANR
Sulfate	mg/L	300/-	110	(\$)	ANR	ANR
Temperature	deg. F	86/-	58.3	*	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	4.0	J* (DNQ)	ANR	ANR
Total Dissolved Solids	mg/L	950/-	600	*	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	58	*	ANR	ANR
Turbidity	NTU	-/-	48	--	ANR	ANR
Volume Discharged	MGD	160/-	2.52	*	0.96	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	12	--	2.6	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	4.3	--	0.44	J* (DNQ)
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	U	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ANR	ANR
Chloroform	ug/L	-/-	ND < 0.33	U	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ANR	ANR
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ANR	ANR
Toluene	ug/L	-/-	ND < 0.36	U	ANR	ANR
Xylenes (Total)	ug/L	-/-	ND < 0.52	U	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
Trichloroethene	ug/L	5.0/-	ND < 0.26	U	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			1/1/2006		1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U	ANR	ANR
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.098	*	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.23	*	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00098	*	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	2.1	B, J* (DNQ)	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/1/2006		1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.22	*	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.76	*	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/5/2006		1/6/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	ANR	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ANR	ANR	ANR	ANR
Oil & Grease	mg/L	15/10	ANR	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR	ANR
Volume Discharged	MGD	160/-	0.86	*	0.97	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	2.3	*	2.2	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	0.24	J* (DNQ)	0.19	J* (DNQ)
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ANR	ANR	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/5/2006		1/6/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/5/2006		1/6/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/14/2006		1/19/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	0.56	--	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	2.4	*	ANR	ANR
Chloride	mg/L	150/-	42	*	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	770	--	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	0.072	J* (DNQ)	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ND < 0.072	*	ANR	ANR
Oil & Grease	mg/L	15/10	ND < 0.90	*	ANR	ANR
Perchlorate	ug/L	6.0/-	ND < 0.80	*	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.40	*	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	U	ANR	ANR
Sulfate	mg/L	300/-	180	*	ANR	ANR
Temperature	deg. F	86/-	54.3	*	50.7	*
Total Cyanide	ug/L	8.5/4.3	5.3	--	ND < 2.2	*(M2)
Total Dissolved Solids	mg/L	950/-	590	*	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*	ANR	ANR
Turbidity	NTU	-/-	0.93	J (DNQ)	ANR	ANR
Volume Discharged	MGD	160/-	0.23	*	0.19	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	2.1	B*	2.8	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	0.16	J* (DNQ)	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	*	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ANR	ANR
Chloroform	ug/L	-/-	ND < 0.33	U	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.32	U	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ANR	ANR
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ANR	ANR
Toluene	ug/L	-/-	ND < 0.36	U	ANR	ANR
Xylenes (Total)	ug/L	-/-	ND < 0.52	U	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
Trichloroethene	ug/L	5.0/-	ND < 0.26	U	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			1/14/2006		1/19/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U	ANR	ANR
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.096	*	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	*	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00095	*	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.1	*	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/14/2006		1/19/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	*	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.75	*	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/20/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ANR	ANR
Oil & Grease	mg/L	15/10	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR
Volume Discharged	MGD	160/-	0.19	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	2.8	*
Iron	mg/L	0.3/-	ANR	ANR
Lead	ug/L	5.2/2.6	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/20/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/20/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			1/3/2006		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.858 ±0.69	0.954	UJ (H,R)
Gross Beta	pCi/L	50/-	5.61 ±1.2	1.74	J (H)
Strontium-90	pCi/L	8.0/-	0.181 ±0.29	0.588	UJ (H)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	ND < 0.827 ±0.63	ANR	UJ (H)
Tritium	pCi/L	20000/-	-30.5 ±110	180	UJ (*1)

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TABLE G-IV
 NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			Split Sample 1/3/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	1.7	J* (DNQ)
Chloride	mg/L	150/-	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	700	--
Surfactants (MBAS)	mg/L	0.5/-	0.11	*
Fluoride	mg/L	1.6/-	0.52	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	1.2	*
Oil & Grease	mg/L	15/10	2.6	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.68	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	120	*
Temperature	deg. F	86/-	59.7	*
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	410	*
Hardness	mg/L	-/-	240	*
Total Organic Carbon	mg/L	-/-	8.1	--
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*
Turbidity	NTU	-/-	ANR	ANR
Volume Discharged	MGD	160/-	ANR	ANR
METALS				
Antimony	ug/L	6.0/-	ND < 2.0	UJ (B)
Arsenic	ug/L	50/-	ND < 1.9	UJ (B)
Barium	mg/L	1.0/-	0.048	--
Beryllium	ug/L	4.0/-	ND < 0.075	U
Boron	mg/L	-/-	0.090	--
Calcium	mg/L	-/-	65	--
Cadmium	ug/L	4.0/2.0	0.034	J (DNQ)
Chromium	ug/L	16.3/8.1	1.8	J (DNQ)
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	0.39	J (DNQ)
Copper	ug/L	14.0/7.1	8.5	J (*11)
Iron	mg/L	0.3/-	ANR	ANR
Lead	ug/L	5.2/2.6	0.50	J (DNQ)
Magnesium	mg/L	-/-	18	--
Manganese	ug/L	50/-	ANR	ANR
Molybdenum	ug/L	-/-	2.9	--
Mercury	ug/L	0.10/0.05	ND < 0.050	U
Nickel	ug/L	96/35	ND < 2.0	UJ (B)
Selenium	ug/L	8.2/4.1	0.77	J (DNQ)
Silver	ug/L	4.1/2.0	ND < 1.0	UJ (B)
Thallium	ug/L	2.0/-	ND < 0.15	U
Vanadium	ug/L	-/-	2.3	--
Zinc	ug/L	119/54	9.7	J (DNQ)
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.32	U
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.52	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			Split Sample 1/3/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	1.6	J (DNQ)
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ND < 2.5	UJ (*10)
2,4,5-Trichlorophenol	ug/L	-/-	ND < 0.074	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.24	U
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 0.099	U
1,2-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.11	U
1,2-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 0.086	U
1,3-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.13	U
1,3-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.35	U
1,4-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.050	U
1,4-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.099	U
2,4-Dichlorophenol	ug/L	-/-	ND < 0.21	U
2,4-Dimethylphenol	ug/L	-/-	ND < 0.31	U
2,4-Dinitrophenol	ug/L	-/-	ND < 2.7	U
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.23	U
2,6-Dinitrotoluene	ug/L	-/-	ND < 0.24	U
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ND < 0.058	U
2-Chlorophenol	ug/L	-/-	ND < 0.12	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 0.38	U
2-Methylnaphthalene	ug/L	-/-	ND < 0.13	U
2-Methylphenol	ug/L	-/-	ND < 0.28	U
2-Nitrophenol	ug/L	-/-	ND < 0.23	U
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 0.92	U
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ND < 0.12	U
4-Chloro-3-methylphenol	ug/L	-/-	ND < 0.34	U
4-Chloroaniline	ug/L	-/-	ND < 0.20	U
4-Chlorophenylphenylether	ug/L	-/-	ND < 0.055	U
4-Nitrophenol	ug/L	-/-	ND < 0.72	U
Acenaphthene	ug/L	-/-	ND < 0.099	U
Acenaphthylene	ug/L	-/-	ND < 0.099	U
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR
Aniline	ug/L	-/-	ND < 2.9	U
Anthracene	ug/L	-/-	ND < 0.082	U
Aroclor-1016	ug/L	-/-	ND < 0.20	U
Aroclor-1221	ug/L	-/-	ND < 0.10	U
Aroclor-1232	ug/L	-/-	ND < 0.25	U
Aroclor-1242	ug/L	-/-	ND < 0.25	U
Aroclor-1248	ug/L	-/-	ND < 0.25	U
Aroclor-1254	ug/L	-/-	ND < 0.25	U

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			Split Sample 1/3/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Aroclor-1260	ug/L	-/-	ND < 0.40	U
Benzidine	ug/L	-/-	ND < 2.4	UJ (C)
Benzo(a)anthracene	ug/L	-/-	ND < 0.038	U
Benzo(a)pyrene	ug/L	-/-	ND < 0.14	U
Benzo(b)fluoranthene	ug/L	-/-	ND < 0.050	U
Benzo(g,h,i)perylene	ug/L	-/-	ND < 0.058	U
Benzo(k)fluoranthene	ug/L	-/-	ND < 0.052	U
Benzoic acid	ug/L	-/-	6.0	J (C,DNQ)
Benzyl alcohol	ug/L	-/-	ND < 0.21	U
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 0.083	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 5.0	U (B)
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 0.071	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 0.11	U
Bromodichloromethane	ug/L	-/-	ND < 0.30	U
Bromoform	ug/L	-/-	ND < 0.32	UJ (C)
Bromomethane	ug/L	-/-	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	ND < 5.0	U (B)
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ND < 0.36	U
Chloroethane	ug/L	-/-	ND < 0.33	U
Chloromethane	ug/L	-/-	ND < 0.30	U
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ND < 0.071	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	U
Cyclohexane	ug/L	-/-	ND < 2.5	UJ (*10)
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 0.082	U
Dibenzofuran	ug/L	-/-	ND < 0.074	U
Dibromochloromethane	ug/L	-/-	ND < 0.28	U
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ND < 0.99	U (B)
Dimethylphthalate	ug/L	-/-	ND < 0.080	U
Di-n-butylphthalate	ug/L	-/-	ND < 0.26	U
Di-n-octylphthalate	ug/L	-/-	ND < 0.17	U
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ND < 0.088	U
Fluorene	ug/L	-/-	ND < 0.074	U
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ND < 0.13	U
Hexachlorobutadiene	ug/L	-/-	ND < 0.38	U
Hexachlorocyclopentadiene	ug/L	-/-	ND < 1.8	U
Hexachloroethane	ug/L	-/-	ND < 0.50	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 0.19	U
Isophorone	ug/L	-/-	ND < 0.058	UJ (C)
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ND < 0.51	U
m-Nitroaniline	ug/L	-/-	ND < 0.35	U
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ND < 0.13	U
Nitrobenzene	ug/L	-/-	ND < 0.099	U
n-Nitrosodimethylamine (EPA 625)	ug/L	16.3/8.1	ND < 0.22	U
n-Nitrosodimethylamine (EPA 1625C)	ug/L	16.3/8.1	0.00056	B, J* (DNQ)

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			Split Sample 1/3/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 0.18	U
n-Nitrosodiphenylamine	ug/L	-/-	ND < 0.076	U
o-Nitroaniline	ug/L	-/-	ND < 0.18	U
p-Cresol	ug/L	-/-	ND < 0.20	U
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.77	U
Phenanthrene	ug/L	-/-	ND < 0.070	U
Phenol	ug/L	-/-	ND < 0.14	U
p-Nitroaniline	ug/L	-/-	ND < 0.49	U
Pyrene	ug/L	-/-	ND < 0.058	U
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ND < 0.27	U
trans-1,3-Dichloropropene	ug/L	-/-	ND < 0.32	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	0.84	J (R)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	2.3	*
Chloride	mg/L	150/-	21	*
Specific Conductivity (Lab)	umhos/cm	-/-	440	*
Surfactants (MBAS)	mg/L	0.5/-	ND < 0.044	M1*
Fluoride	mg/L	1.6/-	0.27	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	1.4	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.90	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	71	*
Temperature	deg. F	86/-	61.3	*
Total Cyanide	ug/L	8.5/4.3	18	--
Total Dissolved Solids	mg/L	950/-	270	*
Total Organic Carbon	mg/L	-/-	8.3	--
Total Residual Chlorine	mg/L	0.1/-	ND < 0.10	*
Total Suspended Solids	mg/L	45/15	18	*
Turbidity	NTU	-/-	21	--
Volume Discharged	MGD	160/-	1.12	*
METALS				
Antimony	ug/L	6.0/-	ND < 0.18	*
Arsenic	ug/L	50/-	ND < 3.8	U
Barium	mg/L	1.0/-	0.035	--
Beryllium	ug/L	4.0/-	ND < 0.62	U
Boron	mg/L	-/-	0.068	--
Cadmium	ug/L	4.0/2.0	ND < 1.0	UJ (B)
Chromium	ug/L	16.3/8.1	2.0	J (DNQ)
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ND < 2.0	U
Copper	ug/L	14.0/7.1	3.6	*
Iron	mg/L	0.3/-	1.4	--
Lead	ug/L	5.2/2.6	1.7	*
Manganese	ug/L	50/-	44	--
Mercury	ug/L	0.10/0.05	ND < 0.063	*
Nickel	ug/L	96/35	2.0	J (DNQ)
Selenium	ug/L	8.2/4.1	ND < 0.36	*
Silver	ug/L	4.1/2.0	ND < 0.089	*
Thallium	ug/L	2.0/-	0.19	J* (DNQ)
Vanadium	ug/L	-/-	4.7	J (DNQ)
Zinc	ug/L	119/54	14	J (DNQ)
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.32	U
1,4-Dioxane	ug/L	-/-	ND < 0.49	U
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.52	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	2.4	J (DNQ)
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	0.043	J (DNQ)
GRO (C4 - C12)	mg/L	-/-	ND < 0.050	UJ (C)
TRPH	mg/L	-/-	ND < 0.30	*
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ND < 2.5	UJ (*10)
2,4,5-Trichlorophenol	ug/L	-/-	ND < 0.071	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.24	U
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 0.094	U
1,2-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.32	U
1,2-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.10	U
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 0.082	U
1,3-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.12	U
1,3-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.35	U
1,4-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 0.047	U
1,4-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	U
2,4-Dichlorophenol	ug/L	-/-	ND < 0.20	U
2,4-Dimethylphenol	ug/L	-/-	ND < 0.29	U
2,4-Dinitrophenol	ug/L	-/-	ND < 2.5	U
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	U
2,6-Dinitrotoluene	ug/L	-/-	ND < 0.23	U
2-Chloroethylvinylether	ug/L	-/-	ND < 1.8	UJ (C)
2-Chloronaphthalene	ug/L	-/-	ND < 0.056	U
2-Chlorophenol	ug/L	-/-	ND < 0.11	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 0.36	U
2-Methylnaphthalene	ug/L	-/-	ND < 0.12	U
2-Methylphenol	ug/L	-/-	ND < 0.26	U
2-Nitrophenol	ug/L	-/-	ND < 0.22	U
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 0.88	U
4,4'-DDD	ug/L	-/-	ND < 0.019	U
4,4'-DDE	ug/L	-/-	ND < 0.024	U
4,4'-DDT	ug/L	-/-	ND < 0.033	UJ (C)
4-Bromophenylphenylether	ug/L	-/-	ND < 0.11	U
4-Chloro-3-methylphenol	ug/L	-/-	ND < 0.32	U
4-Chloroaniline	ug/L	-/-	ND < 0.19	U
4-Chlorophenylphenylether	ug/L	-/-	ND < 0.053	U
4-Nitrophenol	ug/L	-/-	ND < 0.69	U
Acenaphthene	ug/L	-/-	ND < 0.094	U
Acenaphthylene	ug/L	-/-	ND < 0.094	U
Acrolein	ug/L	-/-	ND < 4.6	U
Acrylonitrile	ug/L	-/-	ND < 0.70	U
Acute Toxicity	% SURVIVAL	70-100/-	100	*
Aldrin	ug/L	-/-	ND < 0.028	U
alpha-BHC	ug/L	0.03/0.01	ND < 0.00046	U
Aniline	ug/L	-/-	ND < 2.7	U
Anthracene	ug/L	-/-	ND < 0.078	U
Aroclor-1016	ug/L	-/-	ND < 0.19	U
Aroclor-1221	ug/L	-/-	ND < 0.094	U
Aroclor-1232	ug/L	-/-	ND < 0.24	U
Aroclor-1242	ug/L	-/-	ND < 0.24	U
Aroclor-1248	ug/L	-/-	ND < 0.24	UJ (C)
Aroclor-1254	ug/L	-/-	ND < 0.24	UJ (C)
Aroclor-1260	ug/L	-/-	ND < 0.38	UJ (C)
Benzidine	ug/L	-/-	ND < 3.0	R (L)

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Benzo(a)anthracene	ug/L	-/-	ND < 0.036	U
Benzo(a)pyrene	ug/L	-/-	ND < 0.13	U
Benzo(b)fluoranthene	ug/L	-/-	ND < 0.047	U
Benzo(g,h,i)perylene	ug/L	-/-	ND < 0.056	U
Benzo(k)fluoranthene	ug/L	-/-	ND < 0.050	U
Benzoic Acid	ug/L	-/-	ND < 3.5	R (L)
Benzyl alcohol	ug/L	-/-	ND < 0.20	U
beta-BHC	ug/L	-/-	ND < 0.014	U
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 0.079	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.0	U
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 0.068	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 0.10	U
Bromodichloromethane	ug/L	-/-	ND < 0.30	U
Bromoform	ug/L	-/-	ND < 0.32	U
Bromomethane	ug/L	-/-	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	0.45	J (DNQ)
Chlordane	ug/L	-/-	ND < 0.19	U
Chlorobenzene	ug/L	-/-	ND < 0.36	U
Chloroethane	ug/L	-/-	ND < 0.40	U
Chloromethane	ug/L	-/-	ND < 0.30	U
Chronic Toxicity	TUC	1.0/-	1.0	*
Chrysene	ug/L	-/-	ND < 0.068	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	U
Cyclohexane	ug/L	-/-	ND < 2.5	UJ (*10)
delta-BHC	ug/L	-/-	ND < 0.019	U
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 0.078	U
Dibenzofuran	ug/L	-/-	ND < 0.071	U
Dibromochloromethane	ug/L	-/-	ND < 0.28	U
Dieldrin	ug/L	-/-	ND < 0.014	U
Diethylphthalate	ug/L	-/-	ND < 0.11	U
Dimethylphthalate	ug/L	-/-	ND < 0.076	UJ (L)
Di-n-butylphthalate	ug/L	-/-	ND < 0.25	U
Di-n-octylphthalate	ug/L	-/-	ND < 0.16	U
Endosulfan I	ug/L	-/-	ND < 0.014	U
Endosulfan II	ug/L	-/-	ND < 0.038	U
Endosulfan sulfate	ug/L	-/-	ND < 0.019	U
Endrin	ug/L	-/-	ND < 0.019	U
Endrin aldehyde	ug/L	-/-	ND < 0.042	U
Endrin ketone	ug/L	-/-	ND < 0.019	U
Fluoranthene	ug/L	-/-	ND < 0.084	U
Fluorene	ug/L	-/-	ND < 0.071	U
Heptachlor	ug/L	-/-	ND < 0.028	UJ (C)
Heptachlor epoxide	ug/L	-/-	ND < 0.028	U
Hexachlorobenzene	ug/L	-/-	ND < 0.12	U
Hexachlorobutadiene	ug/L	-/-	ND < 0.36	U
Hexachlorocyclopentadiene	ug/L	-/-	ND < 1.7	U
Hexachloroethane	ug/L	-/-	ND < 0.48	U
Hydrazine	ug/L	-/-	ND < 0.39	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 0.18	U
Isophorone	ug/L	-/-	ND < 0.056	U
Lindane (gamma-BHC)	ug/L	-/-	ND < 0.019	U
Methoxychlor	ug/L	-/-	ND < 0.033	UJ (C)
Methylene Chloride	ug/L	-/-	ND < 0.70	U
m-Nitroaniline	ug/L	-/-	ND < 0.33	U
Monomethyl Hydrazine	ug/L	-/-	ND < 1.2	U
Naphthalene	ug/L	-/-	0.15	J (DNQ)
Nitrobenzene	ug/L	-/-	ND < 0.094	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 0.17	U
n-Nitrosodiphenylamine	ug/L	-/-	ND < 0.073	U
o-Nitroaniline	ug/L	-/-	ND < 0.17	U
p-Cresol	ug/L	-/-	ND < 0.19	U
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.74	U
Phenanthrene	ug/L	-/-	ND < 0.067	U
Phenol	ug/L	-/-	ND < 0.13	U
p-Nitroaniline	ug/L	-/-	ND < 0.46	U
Pyrene	ug/L	-/-	ND < 0.056	U
Toxaphene	ug/L	-/-	ND < 1.4	U
trans-1,2-Dichloroethene	ug/L	-/-	ND < 0.27	U
trans-1,3-Dichloropropene	ug/L	-/-	ND < 0.32	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ND < 0.27	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	2.58 ±1.6	1.93	J (R,H)
Gross Beta	pCi/L	50/-	4.60 ±1.4	1.85	J (H)
Strontium-90	pCi/L	8.0/-	ANR	ANR	ANR
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	ANR	ANR	ANR
Tritium	pCi/L	20000/-	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/7/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	1.1	J (R)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ND < 0.59	*
Chloride	mg/L	150/-	38	*
Specific Conductivity (Lab)	umhos/cm	-/-	830	--
Surfactants (MBAS)	mg/L	0.5/-	0.090	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ND < 0.080	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.80	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	160	*
Temperature	deg. F	86/-	62.0	*
Total Cyanide	ug/L	8.5/4.3	2.6	J, B* (DNQ)
Total Dissolved Solids	mg/L	950/-	490	*
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*
Turbidity	NTU	-/-	0.75	J (DNQ)
Volume Discharged	MGD	160/-	0.32	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	50/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	1.8	J* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR
Lead	ug/L	5.2/2.6	0.091	J* (DNQ)
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	0.074	J* (DNQ)
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U

See Quarterly Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			3/7/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	L2*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00095	*
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.0	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR

See Quarterly Reporting Summary Notes for abbreviations, definitions, and other explanations.
Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/7/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.74	L2*
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See Quarterly Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/18/2006		3/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	-/-	0.56	J (R)	ND < 0.30	U
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ND < 0.59	*	1.6	J* (DNQ)
Chloride	mg/L	150/-	45	*	42	*
Specific Conductivity (Lab)	umhos/cm	-/-	1000	--	900	--
Surfactants (MBAS)	mg/L	0.5/-	0.12	*	0.090	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ND < 0.080	*	ND < 0.080	*
Oil & Grease	mg/L	15/10	ND < 0.89	*	1.1	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 0.80	*	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	7.50	*	7.60	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*	0.10	*
Sulfate	mg/L	300/-	230	*	210	*
Temperature	deg. F	86/-	53.1	*	55.4	*
Total Cyanide	ug/L	8.5/4.3	2.2	J* (DNQ)	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	590	*	490	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*	ND < 10	*
Turbidity	NTU	-/-	0.38	J (DNQ)	2.9	--
Volume Discharged	MGD	160/-	0.23	*	4.91	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	2.6	*	3.2	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	ND < 0.040	*	0.19	J* (DNQ)
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	*	ND < 0.050	*
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ND < 0.28	UJ (C)
Chloroform	ug/L	-/-	ND < 0.33	U	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U	0.29	J (DNQ,S)
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ND < 0.34	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/18/2006		3/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ND < 1.2	U
Vinyl Chloride	ug/L	-/-	ND < 0.26	U	ND < 0.26	U
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	*	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.22	*	ND < 0.22	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00095	*	ND < 0.00096	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.0	*	1.0	J* (DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

Haley & Aldrich, Inc.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/18/2006		3/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.21	*	ND < 0.21	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.74	*	ND < 0.74	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.

Haley & Aldrich, Inc.

TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/4/2006		4/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	1.7	--	ND < 0.30	U
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	3.5	*	0.75	J (DNQ)
Chloride	mg/L	150/-	15	*	31	--
Specific Conductivity (Lab)	umhos/cm	-/-	310	--	720	--
Surfactants (MBAS)	mg/L	0.5/-	0.19	RL-1, J* (DNQ)	0.061	J (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate-N	mg/L	8.0/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	0.44	*	ND < 0.080	U
Oil & Grease	mg/L	15/10	ND < 0.90	*	5.5	--
Perchlorate	ug/L	6.0/-	ND < 0.80	*	ND < 0.80	UJ (C)
pH (Field)	pH units	6.5-8.5/-	7.6	*	8.4	*
Total Settleable Solids	ml/L	0.3/0.1	1.0	*	ND < 0.10	U
Sulfate	mg/L	300/-	41	*	140	--
Temperature	deg. F	86/-	58	*	60	*
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*	ND < 2.2	U
Total Dissolved Solids	mg/L	950/-	190	*	430	--
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	170	*	ND < 10	U
Turbidity	NTU	-/-	100	--	0.91	J (DNQ)
Volume Discharged	MGD	160/-	7.6664	*	0.5492	*
METALS						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/2.0	ANR	ANR	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	7.4	--	2.3	J (I)
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	6.9	--	ND < 1.0	UJ (B)
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	0.090	J* (DNQ)	ND < 0.20	UJ (\$, *3)
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ND < 0.28	UJ (C)
Chloroform	ug/L	-/-	ND < 0.33	U	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ND < 0.28	UJ (C)
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ND < 0.25	U

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			4/4/2006		4/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	0.86	J (DNQ)	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ND < 0.34	UJ (C)
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 1.2	U	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U	ND < 0.26	U
TPH						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	*	ND < 0.095	UJ (H)
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.19	*	ND < 0.19	UJ (H)
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00097	*	ND < 0.00094	UJ (C)
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/4/2006		4/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.6	*	ND < 1.6	UJ (H)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.094	*	ND < 0.095	UJ (H)
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.094	*	ND < 0.095	UJ (H)
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/4/2006		4/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

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TABLE G-IV
 NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			5/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	0.84	--
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	1.0	J* (DNQ)
Chloride	mg/L	150/-	49	*
Specific Conductivity (Lab)	umhos/cm	-/-	1100	--
Surfactants (MBAS)	mg/L	0.5/-	0.048	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ND < 0.080	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	ND < 0.080	*
Nitrite-N	mg/L	1.0/-	ND < 0.080	*
Oil & Grease	mg/L	15/10	ND < 0.89	*
Perchlorate	ug/L	6.0/-	ND < 0.80	*
pH (Field)	pH units	6.5-8.5/-	8.00	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	270	*
Temperature	deg. F	86/-	83.0	*
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	700	*
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L	45/15	ND < 10	*
Turbidity	NTU	-/-	0.57	J (DNQ)
Volume Discharged	MGD	160/-	0.2402	*
METALS				
Antimony	ug/L	6.0/-	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Cadmium	ug/L	3.1/2.0	ND < 0.025	U
Chromium	ug/L	16.3/8.1	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/7.1	1.2	J (DNQ)
Iron	mg/L	0.3/-	ANR	ANR
Lead	ug/L	5.2/2.6	12	--
Manganese	ug/L	50/-	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	*
Nickel	ug/L	96/35	ANR	ANR
Selenium	ug/L	8.2/4.1	0.32	J (DNQ)
Silver	ug/L	4.1/2.0	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/54	ND < 15	*
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	UJ (C)
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	UJ (C)
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
SUMMARY OF 2006 RESULTS
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Sample Date:			5/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.26	U
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.095	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	0.23	J* (DNQ)
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.00094	*
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-IV

NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			5/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	2.0	J* (DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-IV
 NPDES PERMIT CA0001309, OUTFALL - 002
 SUMMARY OF 2006 RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			5/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	RESULT	VALIDATION QUALIFIER
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.095	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.095	*
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/1/2006		1/4/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	694	--	ANR	ANR
Chloride	LBS/DAY	200,160/-	1178	(\$)	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	12	J (Q)	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	210	(\$)	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ND	*	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ND	*	ANR	ANR
Sulfate	LBS/DAY	400,320/-	2315	(\$)	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	0.084	J* (DNQ)	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	12626	*	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	1221	*	ANR	ANR
METALS						
Copper	LBS/DAY	18.7/9.5	0.25	--	0.021	*
Lead	LBS/DAY	6.94/3.5	0.09	--	0.004	J* (DNQ)
Mercury	LBS/DAY	0.13/0.07	ND	U	ANR	ANR
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ND	U	ANR	ANR
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	0.044	B, J* (DNQ)	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ND	*	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	5.29E-10	*	ANR	ANR

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/5/2006		1/6/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	ANR	ANR	ANR	ANR
Chloride	LBS/DAY	200,160/-	ANR	ANR	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	ANR	ANR	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR	ANR	ANR
METALS						
Copper	LBS/DAY	18.7/9.5	0.017	*	0.018	*
Lead	LBS/DAY	6.94/3.5	0.002	J* (DNQ)	0.002	J* (DNQ)
Mercury	LBS/DAY	0.13/0.07	ANR	ANR	ANR	ANR
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ANR	ANR	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ANR	ANR	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	ANR	ANR	ANR	ANR

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/14/2006		1/19/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	4.7	*	ANR	ANR
Chloride	LBS/DAY	200,160/-	82	*	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	0.14	J* (DNQ)	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ND	*	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ND	*	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ND	*	ANR	ANR
Sulfate	LBS/DAY	400,320/-	352	*	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	0.01	--	ND	*(M2)
Total Dissolved Solids	LBS/DAY	1,270,000/-	1155	*	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*	ANR	ANR
METALS						
Copper	LBS/DAY	18.7/9.5	0.004	B*	0.004	*
Lead	LBS/DAY	6.94/3.5	0.0003	J* (DNQ)	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ND	*	ANR	ANR
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ND	U	ANR	ANR
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	*	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ND	*	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	0.00E+00	*	ANR	ANR

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			1/20/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	ANR	ANR
Chloride	LBS/DAY	200,160/-	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR
METALS				
Copper	LBS/DAY	18.7/9.5	0.004	*
Lead	LBS/DAY	6.94/3.5	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ANR	ANR
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	ANR	ANR

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			2/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	22	*
Chloride	LBS/DAY	200,160/-	197	*
Surfactants (MBAS)	LBS/DAY	667/-	ND	M1*
Fluoride	LBS/DAY	2,135/-	2.5	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	13	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*
Perchlorate	LBS/DAY	8.0/-	ND	*
Sulfate	LBS/DAY	400,320/-	665	*
Total Cyanide	LBS/DAY	11.3/5.7	0.17	--
Total Dissolved Solids	LBS/DAY	1,270,000/-	2528	*
Total Residual Chlorine	LBS/DAY	133/-	ND	*
Total Suspended Solids	LBS/DAY	60,048/20,016	169	*
METALS				
Antimony	LBS/DAY	8.01/-	ND	*
Arsenic	LBS/DAY	66.7/-	ND	U
Barium	LBS/DAY	1,330/-	0.33	--
Beryllium	LBS/DAY	5.34/-	ND	U
Cadmium	LBS/DAY	5.34/2.7	ND	UJ (B)
Chromium	LBS/DAY	21.8/10.8	0.019	J (DNQ)
Copper	LBS/DAY	18.7/9.5	0.034	*
Iron	LBS/DAY	400/-	13	--
Lead	LBS/DAY	6.94/3.5	0.016	*
Manganese	LBS/DAY	66.7/-	0.41	--
Mercury	LBS/DAY	0.13/0.07	ND	*
Nickel	LBS/DAY	128/47	0.019	J (DNQ)
Selenium	LBS/DAY	10.9/5.5	ND	*
Silver	LBS/DAY	5.5/2.7	ND	*
Thallium	LBS/DAY	2.7/-	0.002	J* (DNQ)
Zinc	LBS/DAY	159/72	0.13	J (DNQ)
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	0.022	J (DNQ)
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	U
alpha-BHC	LBS/DAY	0.04/0.013	ND	U
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	U
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	U
Pentachlorophenol	LBS/DAY	22/10.9	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	3.69E-09	*

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/7/2006		3/18/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	ND	*	ND	*
Chloride	LBS/DAY	200,160/-	100	*	87	*
Surfactants (MBAS)	LBS/DAY	667/-	0.24	J* (DNQ)	0.23	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ND	*	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*	ND	*
Perchlorate	LBS/DAY	8.0/-	ND	*	ND	*
Sulfate	LBS/DAY	400,320/-	422	*	444	*
Total Cyanide	LBS/DAY	11.3/5.7	0.007	J, B* (DNQ)	0.004	J* (DNQ)
Total Dissolved Solids	LBS/DAY	1,270,000/-	1291	*	1140	*
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*	ND	*
METALS						
Copper	LBS/DAY	18.7/9.5	0.0047	J* (DNQ)	0.005	*
Lead	LBS/DAY	6.94/3.5	0.0002	J* (DNQ)	ND	*
Mercury	LBS/DAY	0.13/0.07	0.0002	J* (DNQ)	ND	*
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U	ND	U
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	L2*	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	*	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	L2*	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	0.00E+00	*	0.00E+00	*

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			3/28/2006	
ANALYTE	UNITS	Permit Limit Daily Max	RESULT	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/20,016	66	J* (DNQ)
Chloride	LBS/DAY	200,160/-	1721	*
Surfactants (MBAS)	LBS/DAY	667/-	3.7	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	45	J* (DNQ)
Perchlorate	LBS/DAY	8.0/-	ND	*
Sulfate	LBS/DAY	400,320/-	8607	*
Total Cyanide	LBS/DAY	11.3/5.7	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	20084	*
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*
METALS				
Copper	LBS/DAY	18.7/9.5	0.13	*
Lead	LBS/DAY	6.94/3.5	0.008	J* (DNQ)
Mercury	LBS/DAY	0.13/0.07	ND	*
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	0.012	J (DNQ,S)
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	0.041	J* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.90E-08	0.00E+00	*

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TABLE G-V

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			4/4/2006		4/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	224	*	3.4	J (DNQ)
Chloride	LBS/DAY	200,160/-	959	*	142	--
Surfactants (MBAS)	LBS/DAY	667/-	12	RL-1, J* (DNQ)	0.28	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	28	*	ND	U
Oil & Grease	LBS/DAY	20,016/13,344	ND	*	25	--
Perchlorate	LBS/DAY	8/-	ND	*	ND	UJ (C)
Sulfate	LBS/DAY	400,320/-	2621	*	641	--
Total Cyanide	LBS/DAY	11.3/5.7	ND	*	ND	U
Total Dissolved Solids	LBS/DAY	1,270,000/-	12148	*	1970	--
Total Suspended Solids	LBS/DAY	60,048/20,016	10869	*	ND	U
METALS						
Copper	LBS/DAY	18.7/9.5	0.47	--	0.011	J (I)
Lead	LBS/DAY	6.94/3.5	0.44	--	ND	UJ (B)
Mercury	LBS/DAY	0.13/0.07	0.006	J* (DNQ)	ND	UJ (\$,*3)
ORGANICS						
1,1-Dichloroethene	LBS/DAY	8/4.3	ND	U	ND	U
Trichloroethene	LBS/DAY	6.7/-	0.055	J (DNQ)	ND	U
ADDITIONAL ANALYTES						
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*	ND	UJ (H)
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	*	ND	UJ (H)
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ND	UJ (C)
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	*	ND	UJ (H)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*	ND	UJ (H)
Pentachlorophenol	LBS/DAY	22/10.9	ND	*	ND	UJ (H)
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	1.48E-07	*	ND	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-V
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 MASS BASED RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date:			5/11/2006	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	2.0	J* (DNQ)
Chloride	LBS/DAY	200,160/-	98	*
Surfactants (MBAS)	LBS/DAY	667/-	0.10	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	ND	*
Perchlorate	LBS/DAY	8/-	ND	*
Sulfate	LBS/DAY	400,320/-	541	*
Total Cyanide	LBS/DAY	11.3/5.7	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	1402	*
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*
METALS				
Cadmium	LBS/DAY	5.34/2.7	ND	U
Copper	LBS/DAY	18.7/9.5	0.0024	J (DNQ)
Lead	LBS/DAY	6.94/3.5	0.024	--
Mercury	LBS/DAY	0.13/0.07	ND	*
Selenium	LBS/DAY	10.9/5.5	0.0006	J (DNQ)
Zinc	LBS/DAY	159/72	ND	*
ORGANICS				
1,1-Dichloroethene	LBS/DAY	8/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U
ADDITIONAL ANALYTES				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	0.0005	J* (DNQ)
alpha-BHC	LBS/DAY	0.04/0.013	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	0.004	J* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	ND	*

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.
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TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: January 1, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.93E-05	J (DNQ)	0.01	1.93E-07	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	1.20E-05	J (DNQ)	0.01	1.20E-07	ND
1,2,3,4,7,8,9-HpCDF	2.37E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.03E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	1.82E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.87E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	1.75E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.91E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	2.45E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.11E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.65E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.89E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.39E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	9.74E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.12E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.56E-04	--	0.0001	1.56E-08	1.56E-08
OCDF	0.00E+00	5.00E-05	9.53E-05	--	0.0001	9.53E-09	9.53E-09

TCDD TEQ w/ DNQ Values	3.38E-07	
TCDD TEQ w/out DNQ Values		2.51E-08

Dioxin TCDD TEQ compliance limit established for this outfall? **Yes** TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
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TABLE G-VI

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: January 14, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	ND	UJ (B)	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	1.72E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.69E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.12E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	9.34E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.22E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	9.27E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.10E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.35E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.83E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.78E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.07E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.63E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.06E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.05E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	4.94E-05	ND	UJ (B)	0.0001	ND	ND
OCDF	4.31E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	ND	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: February 28, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.60E-05	--	0.01	3.60E-07	3.60E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	4.72E-06	ND	UJ (*10)	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	8.69E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.09E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	8.28E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	0.00E+00	2.50E-05	2.03E-06	J (DNQ)	0.1	2.03E-07	ND
1,2,3,6,7,8-HxCDF	7.72E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	0.00E+00	2.50E-05	2.19E-06	J (DNQ)	0.1	2.19E-07	ND
1,2,3,7,8,9-HxCDF	1.11E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.13E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.30E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	8.58E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.21E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.16E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.49E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	3.45E-04	--	0.0001	3.45E-08	3.45E-08
OCDF	0.00E+00	5.00E-05	1.59E-05	J (DNQ)	0.0001	1.59E-09	ND

TCDD TEQ w/ DNQ Values	8.18E-07	
TCDD TEQ w/out DNQ Values		3.95E-07

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-VI

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: March 7, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	2.26E-06	J (DNQ)	0.01	2.26E-08	ND
1,2,3,4,6,7,8-HpCDF	5.32E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	7.15E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.19E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	2.89E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.08E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	2.81E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.06E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	4.79E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	8.00E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	6.99E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	3.07E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	6.33E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.56E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	7.76E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.80E-05	J (DNQ)	0.0001	1.80E-09	ND
OCDF	3.17E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	2.44E-08	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: March 18, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.60E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	7.55E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	9.07E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.60E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	4.47E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.74E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	4.45E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.59E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	7.05E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	7.01E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	8.45E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	4.97E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	7.82E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.30E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	5.64E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	5.00E-05	5.00E-05	ND	UJ (B)	0.0001	ND	ND
OCDF	1.78E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	ND
TCDD TEQ w/out DNQ Values	ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

Data provided by MWH.

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TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: March 28, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.58E-06	J (DNQ)	0.01	1.58E-08	ND
1,2,3,4,6,7,8-HpCDF	5.46E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	5.16E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.20E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	4.12E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.24E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	3.59E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.18E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	5.35E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.63E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.31E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	4.11E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.31E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.03E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	9.25E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.30E-05	J (DNQ)	0.0001	1.30E-09	ND
OCDF	1.81E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.71E-08	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall? **Yes** **TCDD TEQ PERMIT LIMIT = 2.80E-08**

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.
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TABLE G-VI

NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: April 04, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.79E-04	--	0.01	1.79E-06	1.79E-06
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	3.30E-05	--	0.01	3.30E-07	3.30E-07
1,2,3,4,7,8,9-HpCDF	0.00E+00	2.50E-05	2.59E-06	J (DNQ)	0.01	2.59E-08	ND
1,2,3,4,7,8-HxCDD	0.00E+00	2.50E-05	2.99E-06	J (DNQ)	0.1	2.99E-07	ND
1,2,3,4,7,8-HxCDF	0.00E+00	2.50E-05	1.47E-06	J (DNQ)	0.1	1.47E-07	ND
1,2,3,6,7,8-HxCDD	0.00E+00	2.50E-05	7.21E-06	J (DNQ)	0.1	7.21E-07	ND
1,2,3,6,7,8-HxCDF	1.37E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	0.00E+00	2.50E-05	5.18E-06	J (DNQ)	0.1	5.18E-07	ND
1,2,3,7,8,9-HxCDF	9.13E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	0.00E+00	1.15E-06	ND	UJ (*10)	1	ND	ND
1,2,3,7,8-PeCDF	1.24E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	0.00E+00	2.50E-05	1.53E-06	J (DNQ)	0.1	1.53E-07	ND
2,3,4,7,8-PeCDF	1.04E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.44E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	0.00E+00	5.00E-06	1.21E-06	J (*10,DNQ)	0.1	1.21E-07	ND
OCDD	0.00E+00	5.00E-05	1.89E-03	--	0.0001	1.89E-07	1.89E-07
OCDF	0.00E+00	5.00E-05	1.16E-04	--	0.0001	1.16E-08	1.16E-08

TCDD TEQ w/ DNQ Values	4.31E-06	
TCDD TEQ w/out DNQ Values		2.32E-06

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.

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February 2007

TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: April 11, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.60E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	1.74E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.88E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.84E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	9.88E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.82E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	9.85E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.72E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.53E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.43E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.93E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.09E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.87E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.53E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.61E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.22E-05	J (DNQ)	0.0001	1.22E-09	ND
OCDF	4.40E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.22E-09	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.
 Haley & Aldrich, Inc.
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TABLE G-VI
 NPDES PERMIT CA0001309, OUTFALL - 002
 2006 DIOXIN AND FURAN RESULTS
 BOEING SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

Sample Date: May 11, 2006							
ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.76E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	1.21E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.35E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.23E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	7.79E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.19E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	7.35E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.13E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.12E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	9.17E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.49E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	8.32E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.46E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.91E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.73E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	3.95E-06	J (DNQ)	0.0001	3.95E-10	ND
OCDF	2.81E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	3.95E-10	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

See 2006 Reporting Summary Notes for abbreviations, definitions, and other explanations.
 Data provided by MWH.
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TABLE G-VII

NPDES PERMIT CA0001309
SUMMARY OF 2006 PERMIT LIMIT EXCEEDANCES
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

DAILY MAX PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 001	South Slope below Perimeter Pond	05-Apr-06	Iron	0.3/-	3.1	mg/L	--
Outfall 001	South Slope below Perimeter Pond	05-Apr-06	TCDD TEQ_NoDNQ	2.80E-08/1.40E-08	3.82E-07	ug/L	--
Outfall 001	South Slope below Perimeter Pond	15-Apr-06	Iron	0.3/-	1.8	mg/L	--
Outfall 002	South Slope below R-2 Pond	04-Apr-06	Lead	5.2/2.6	6.9	ug/L	--
Outfall 002	South Slope below R-2 Pond	04-Apr-06	TCDD TEQ_NoDNQ	2.80E-08/1.40E-08	2.32E-06	ug/L	--
Outfall 002	South Slope below R-2 Pond	11-May-06	Lead	5.2/2.6	12	ug/L	--

MASS-BASED DAILY MAX PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	MASS-BASED PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE	DAILY MAX MASS- LOADING RESULT	UNITS	VALIDATION QUALIFIER
Outfall 002	South Slope below R-2 Pond	04-Apr-06	TCDD TEQ_NoDNQ	3.7E-08/1.9E-08	1.48E-07	lbs/day	--

MONTHLY AVERAGE PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE	MONTHLY AVERAGE RESULT	UNITS	VALIDATION QUALIFIER
Outfall 001	South Slope below Perimeter Pond	Apr-06	Lead	5.2/2.6	2.95	ug/L	*
Outfall 001	South Slope below Perimeter Pond	Apr-06	TCDD TEQ_NoDNQ	2.80E-08/1.40E-08	1.95E-07	ug/L	*
Outfall 002	South Slope below R-2 Pond	May-06	Lead	5.2/2.6	12	ug/L	--

MASS-BASED MONTHLY AVERAGE PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	MASS-BASED PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE	DAILY MAX MASS- LOADING RESULT	UNITS	VALIDATION QUALIFIER
No Observed Monthly Average Mass Exceedances for 2nd Quarter 2006							

The State Water Resources Control Board ("State Board") issued Order WQ 2006-0002 on April 7, 2006, placing a stay on the following permit limits.

Outfalls 001 & 002: chromium, copper, iron, lead, manganese, mercury, nitrate-n, nitrite-n, selenium, and TCDD.

The State Board later vacated this order on June 21, 2006.

See 2006 Reporting Summary Notes for abbreviations, definitions and other explanations.

Data provided by MWH.

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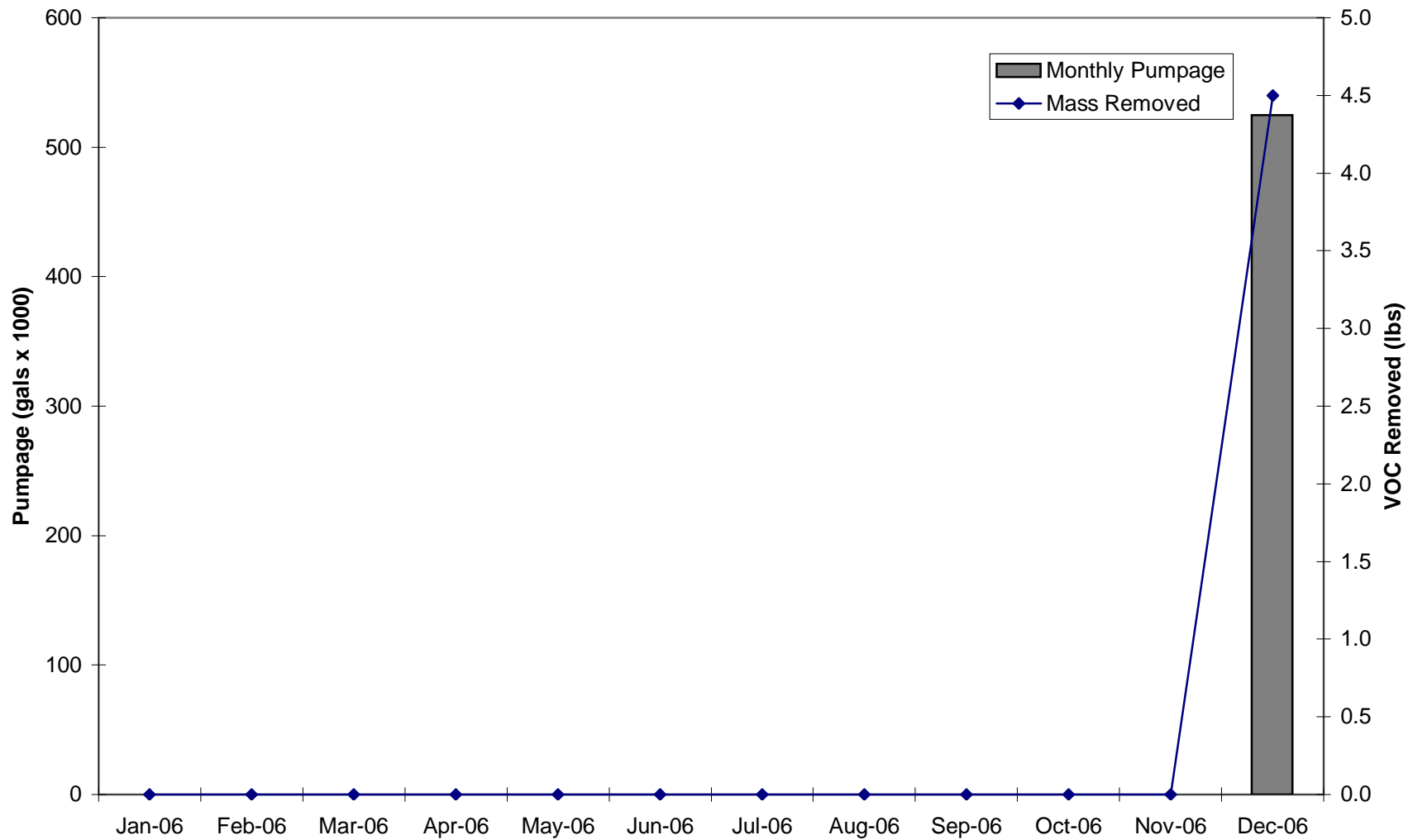


Figure G-1. Monthly Pumpage & VOC Mass Removed-Delta ASU-2006

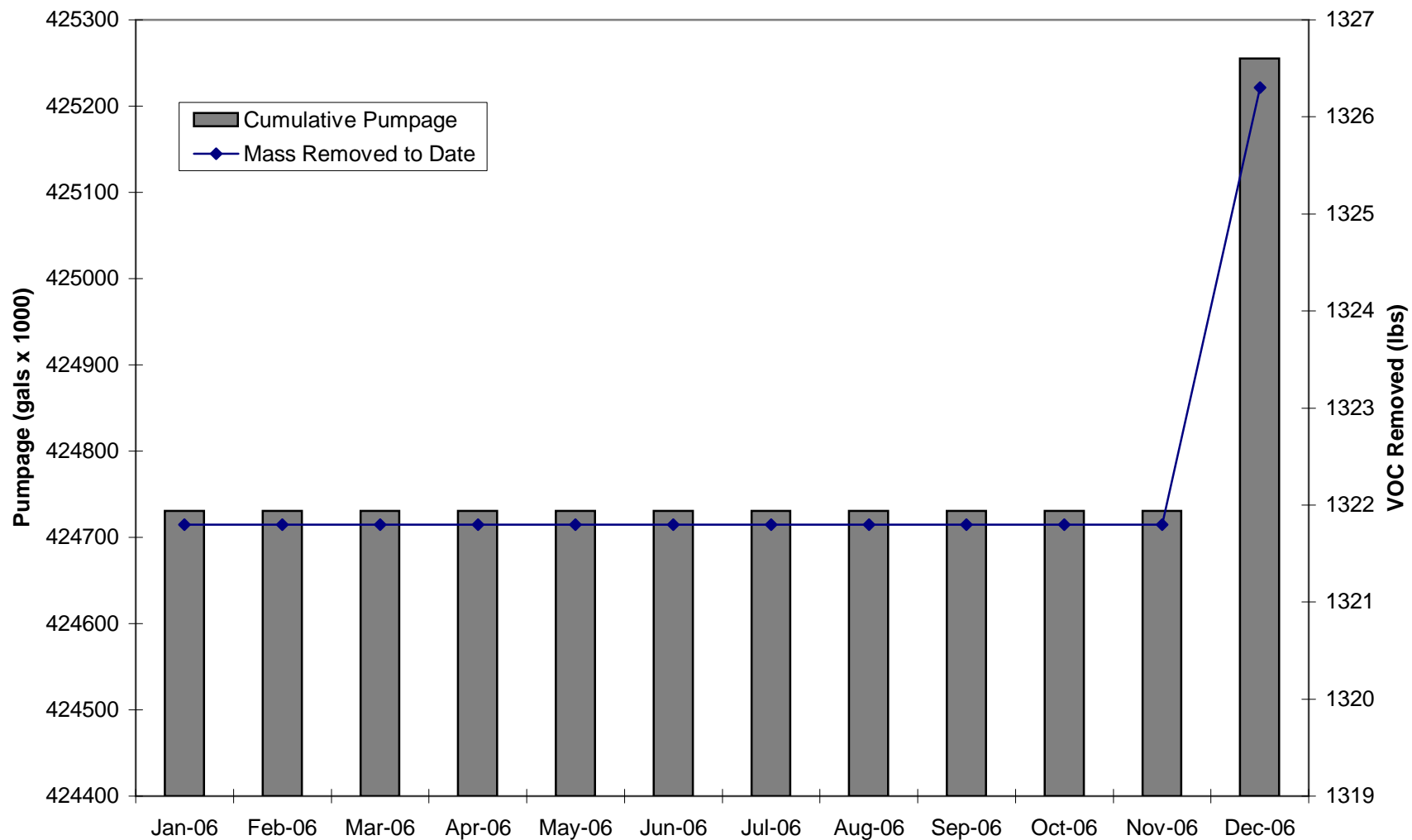


Figure G-2. Cumulative Pumpage & VOC Mass Removed to Date-Delta ASU-2006

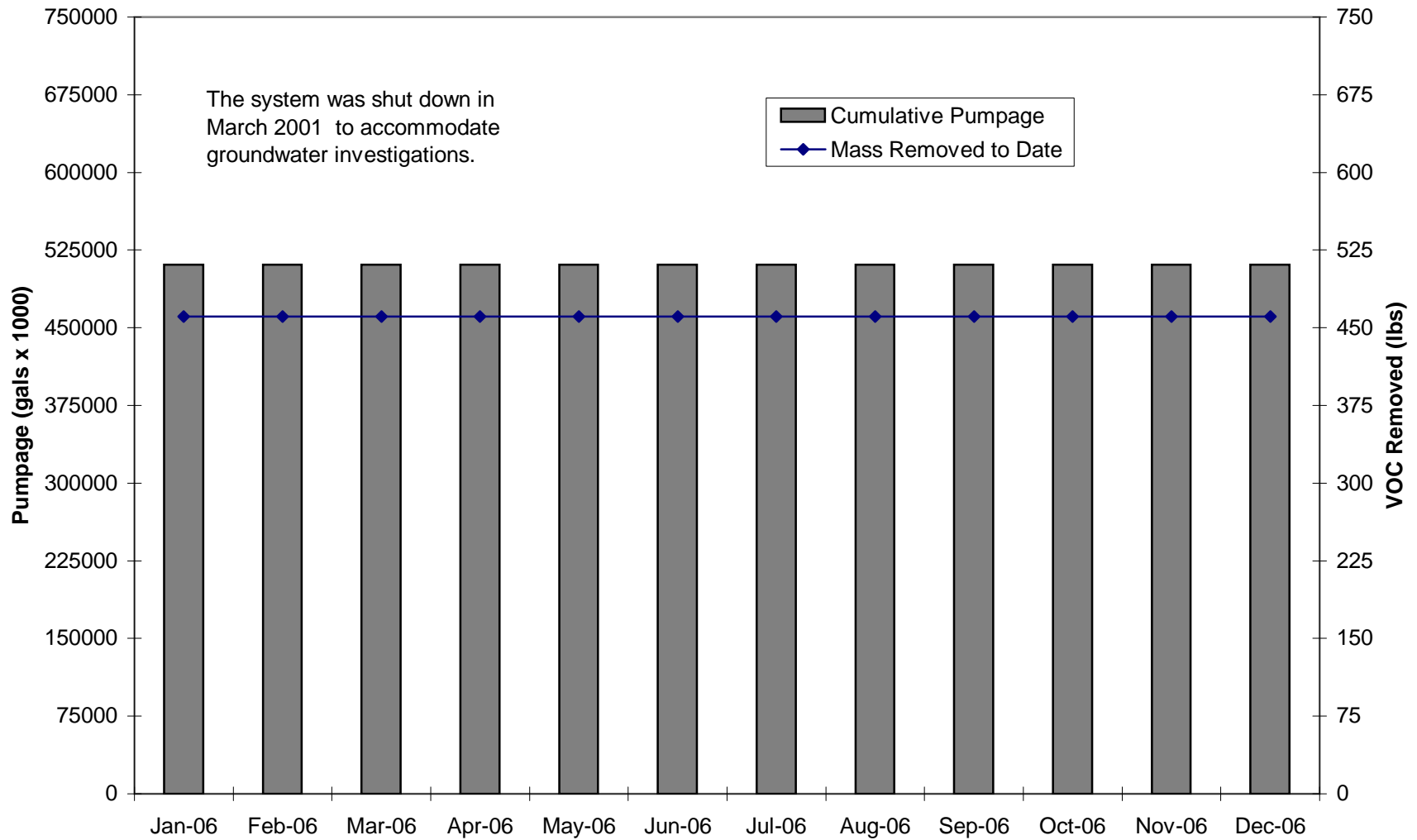


Figure G-3. Cumulative Pumpage & VOC Mass Removed to Date-Alfa ASU-2006

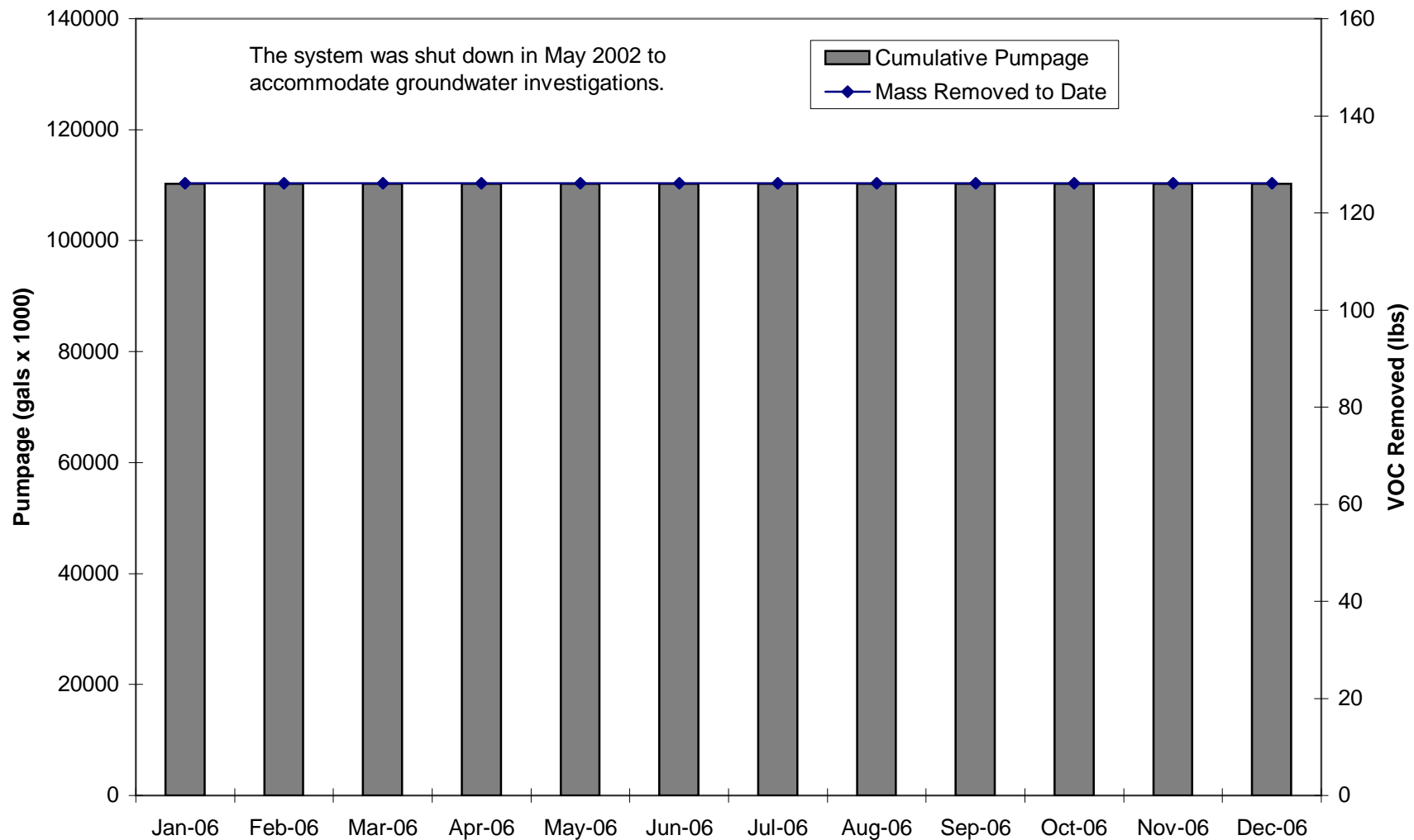


Figure G-4. Cumulative Pumpage & VOC Mass Removed to Date-Bravo ASU-2006

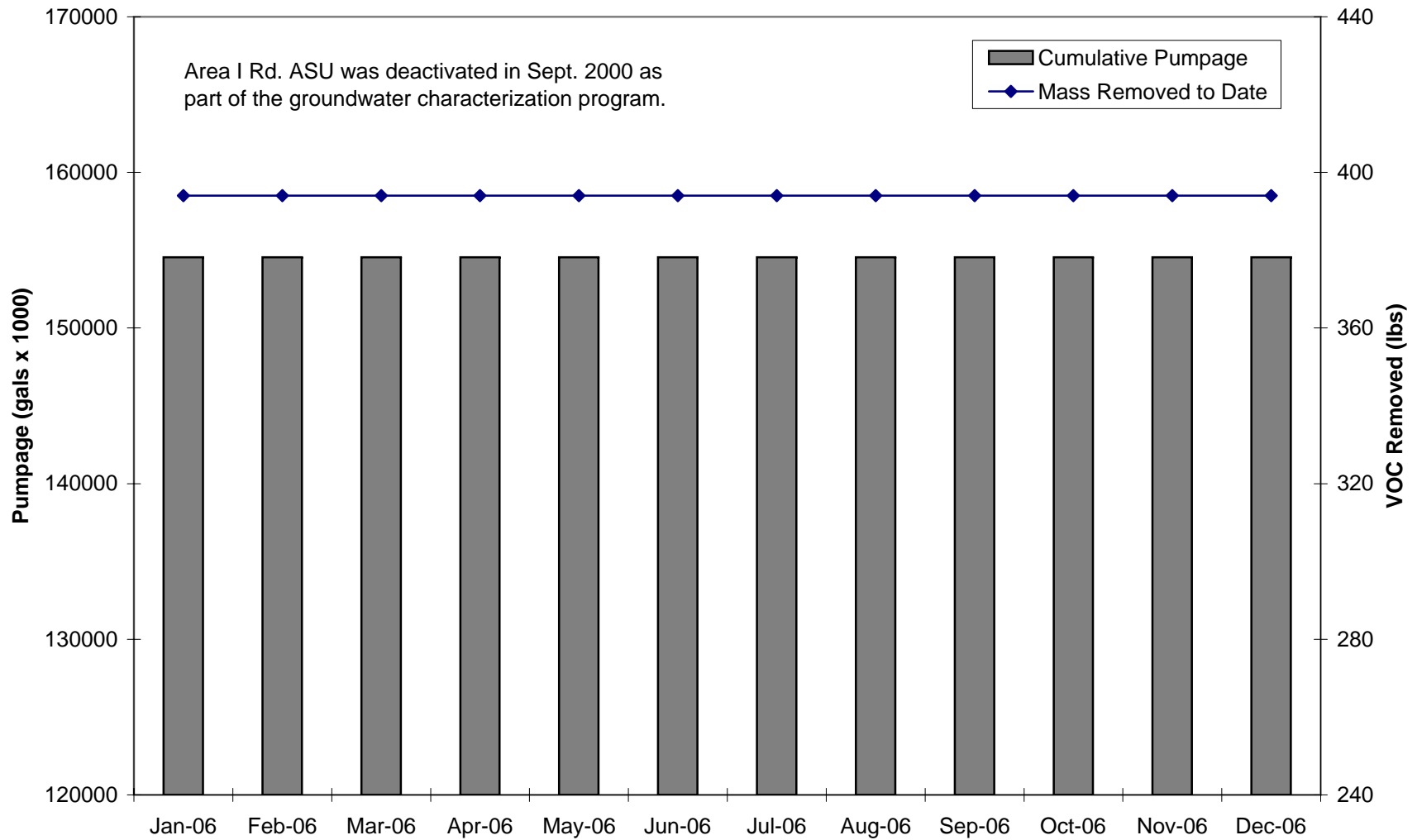


Figure G-5. Cumulative Pumpage & VOC Mass Removed to Date-Area I Rd ASU-2006

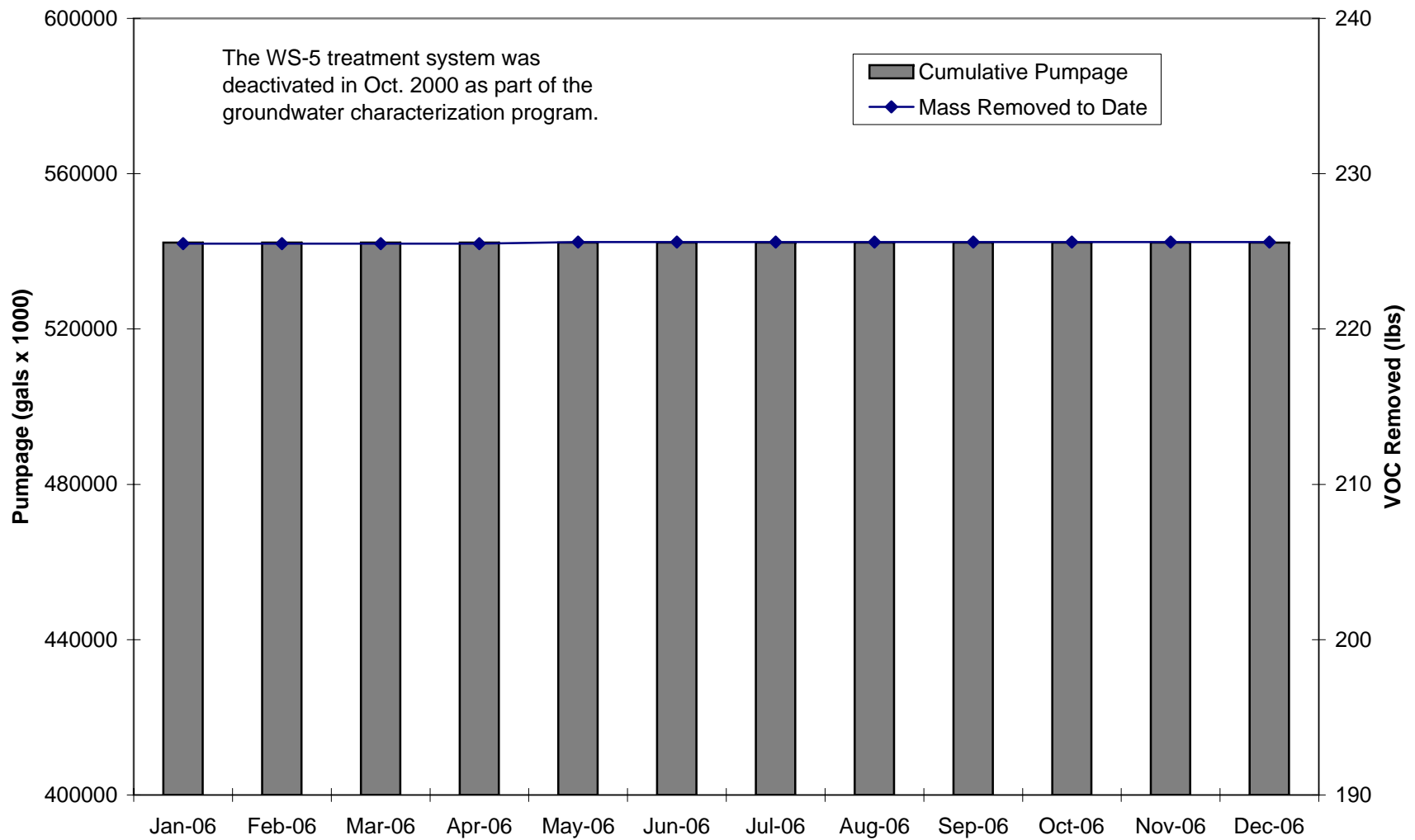


Figure G-6. Cumulative Pumpage & VOC Mass Removed to Date-WS-5 UV/H2O2-2006

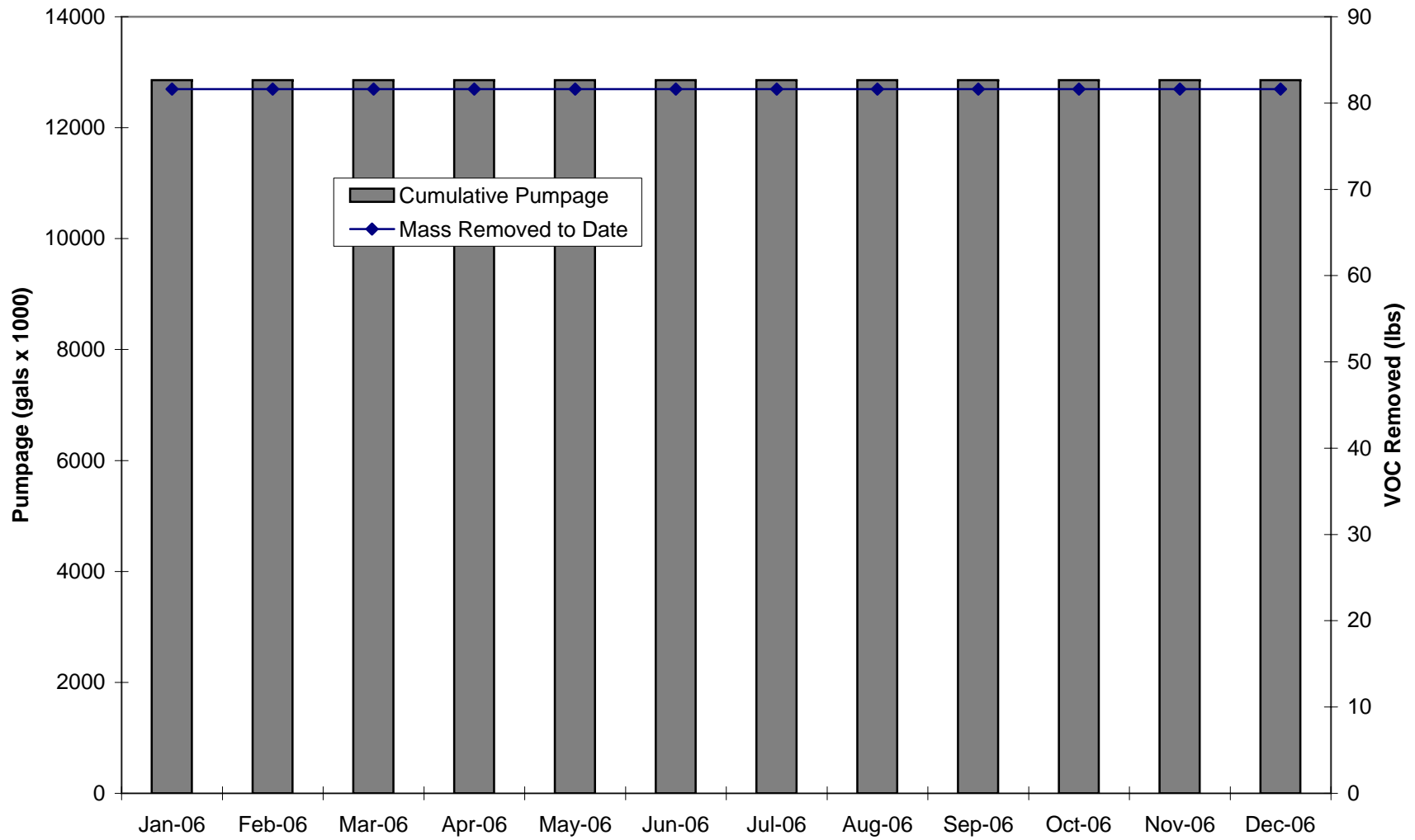


Figure G-7. Cumulative Pumpage & VOC Mass Removed to Date-STL-IV ASU-2006