FINAL REMEDIAL INVESTIGATION REPORT FOR THE MONTROSE SUPERFUND SITE

LOS ANGELES, CALIFORNIA

Volume II of II

Originally prepared by

Montrose Chemical Corporation of California

and

Revised by

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 HAWTHORNE STREET
SAN FRANCISCO, CALIFORNIA 94105

Issued for Public Comment

May 18, 1998

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ANNOTATED REFERENCE LIST OF HARGIS + ASSOCIATES, INC. REPORTS

TABLE A-1

MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1983R	09/19/83	Lithologic Logs for Test Holes (letter report to D. Mulliken, published by Hargis & Montgomery, Inc.)	Pertains to Pre-Part 1, Pre-grading June - August 1983 -Lithologic logs for borings S-1 through S-14, S-17, S-18, S-20, S-23, S-24, S-29 through S-40 (On-Property) and S-15, S-16, S-19, S-21, S-22, S-25 through S-28 (Off-Property) Location map for above
1984R	11/27/84	Remedial Investigation Work Plan, Montrose Facility Site, Torrance, CA (Final)	Pertains to Part 1 RI and FS tasks: -Site reconnaissance -Data review -Soil/shallow groundwater sampling -Preparation of off-site sampling plan -Development of HSP, QAPP, SAP -Hydrogeologic investigation of Bellflower aquifer including: -construction methods for monitor wells -soil, water and sediment sampling -data evaluation -report preparation

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1984R (continued)			Proposed FS tasks: -Preparation of FS work plan -Development of objectives/criteria for remedial action -Identification of remedial alternatives -Endangerment assessment -Initial screening -Treatability studies -Detailed screening -Development of post-closure monitoring plan -Preparation of FS report
1985R-a	01/30/85	On-Site Groundwater Sampling Plan, Montrose Site, Torrance, CA (Final)	Pertains to Pre-Part 1, Post-grading - 1985 -Work plan covering construction of upper Bellflower aquitard wells MW-1 through MW-5
1985R-b	08/28/85	Results of On-Site Groundwater and Soil Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Pre-Part 1, Post-grading - 1985 -Water level data and soil and groundwater analytical results for upper Bellflower aquitard monitor wells MW-1 through MW-5 and soil boring S-101

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1986R-a	03/07/86	Off-Site Sampling Plan, Montrose Site, Torrance, CA (Final)	Work Plan for Part 2 Phase 1 - 1986 -Sample locations, schedule, and methodology for Off-Property soil sampling, sediment sampling and surface water sampling
1986R-b	03/07/86	Quality Assurance Project Plan, Off-Site Sampling Plan, Montrose Site, Torrance, CA (Final)	QAPP for Part 2 Phase 1 - 1986 -QA/QC procedures for Off-Property soil sampling, sediment sampling and surface water sampling
1986R-c	06/27/86	Raw Analytical Data, Round 1 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 1; April - May 1986 -Analytical data for soil samples collected from Off-Property soil borings MD-1 through MD-6, JC-1 through JC-5, LA-1 through LA-14, T-31 through T-33, T-41 through T-45, T-51 and T-52, T-61 through T-64, SP-1 and SP-2

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1986R-d	07/02/86	Field Data from Round 2 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 2 June 1986 -Lithologic log for soil boring MD-3 -Descriptions of surficial soil sample locations NS-1 through NS-17 and NS-20; sediment sample locations KD-1, KD-3 through KD-7, SED-6 through SED-25, SED-30, SED-33 and SED-35 through SED-37; and dry weather surface sample locations SW-4 through SW-25, SW-31, SW-32 and SW-34 through SW-39 -Field notes from sediment, surface water and surficial soil sampling
1986R-e	07/25/86	Raw Analytical Data, Round 2 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 2 June 1986 -Analytical data for soil samples collected from boring MD-3 during Round 1 -Analytical data for soil samples collected from surficial soil sample locations NS-1 through NS-17; sediment sample locations KD-1, KD-3 through KD-5, and KD-7; and dry weather surface water sampling locations SW-4 through SW-10, SW-16 through SW-22, and SW-24

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1986R-f	07/30/86	Quality Assurance Project Plan, On-Site Groundwater and Soils Sampling Plan, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - 1986 -QA/QC procedures for On-Property soil and groundwater sampling
1986R-g	07/30/86	Part 2, Remedial Investigative Work, On-Site Groundwater and Soils Investigation, Phase I, Montrose Site, Torrance, CA (Final)	Work Plan Pertaining to Part 2 Phase 1 - 1986 -Sampling objectives -Monitor well locations/construction method/ construction diagrams -Soil/groundwater sample locations -Soil and groundwater sampling methods, number and frequency of collection -QA/QC -Analyses requested
1986R-h	10/20/86	Field Data, On-Site Soil Sampling Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, September - October 1986 -Lithologic logs for soil borings S-201 through S-204
1986R-i	11/13/86	Raw Analytical Data, Part 2 On-Site Soils, Phase I, Montrose Site, Torrance, CA, September - October 1986 (Final)	Pertains to Part 2 Phase 1 - September - October 1986 -Raw analytical data for soil borings S-201 through S-204

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1987R-a	02/02/87	Information Submission, On-Site Groundwater Investigation, Phase I, Part 2, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - September 1985 -January 1987 -Lithologic and geophysical logs, monitor well construction and development data, water level data, and field parameters for exploratory borings EB-1 and EB-2, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-b	02/18/87	Revised Field Data, Round 1 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 1 - April - May 1986 -Lithologic logs and revised soil boring and identification information for Off-Property soil borings MD-1 through MD-6, JC-1 through JC-5, LA-1 through LA-14, SP-1, SP-2, T-31 through T-33, T-41 through T-45, T-51 through T-54, and T-61 through T-64

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1987R-c	02/18/87	Revised Analytical Data, Round 1 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 1 - April - May 1986 -Amended analytical results for Off-Property soil borings MD-1 through MD-6, JC-1 through JC-5, LA-1 through LA-14, SP-1, SP-2, T-31 through T-33, T-41 through T-45, T-51 through T-54, and T-61 through T-64 -Location of background soil samples
1987R-d	02/18/87	Field Data from Round 2 Off-Site Sampling, Montrose Site, Torrance, CA (Revised Identification of Split, Background, Trip, Rinsate and Rinsate-Blank Samples) (Final)	Pertains to Part 2 Phase 1, Round 2 - June 1986 -Revised identification tables for Off-Property borings and QC samples collected during Off-Property soil, sediment and dry weather surface water sampling

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1987R-e	02/18/87	Revised Analytical Data, Round 2 Off-Site Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 2 - June 1986 -Amended analytical results for surficial soil samples NS-1 through MS-17, sediment samples KD-1, KD-3 through KD-5, SED-6 through SED-15, SED-16 through SED-25, and dry weather surface water samples SW-4 through SW-10 and SW-16 through SW-25 -Raw analytical results for soil samples collected from soil boring MD-3
1987R-f	02/26/87	Raw Analytical Data, Part 2, Remedial Investigative Work, On-Site Groundwater Sampling, Phase I, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - January 1987 -Analytical data for existing Bellflower aquitard monitor wells MW-1 through MW-5, newly installed Bellflower sand monitor wells BF-1 through BF-4 and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-g	03/25/87	Field Data from Part 1, Off-Site Surface Water Runoff Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 2 - September 1986 - March 1987 -Sample identifiers, dates, methodology and sample description for wet weather surface water samples R1-SW1 through R1-SW5, R2-SW1 through R2-SW5, R3-SW1 through R3-W5, R4-SW1 through R4-SW10 and R5-SW1 through R5-SW20

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1987R-h	03/27/87	Information Submission, Monthly Groundwater Sampling Field Data, Montrose On-Site and Del Amo Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - February 1987 -Water level data, field parameters, purge volumes and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-i	04/10/87	Raw Analytical Data, February 1987, Montrose On-Site Monthly Sampling and Del Amo Monitor Well Sampling (Final)	Pertains to Part 2 Phase 1 - February 1987 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-j	04/15/87	Raw Analytical Data from Part 1, Off-Site Surface Water Runoff Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 1, Round 2 - June 1986 -Revised analytical data for wet weather surface water samples R1-SW2 through R1-SW5, R2-SW1 through R2-SW5, R3-SW1 through R3-SW5, R4-SW1 through R4-SW10, and R5-SW1 through R5-SW20

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1987R-k	05/05/87	Information Submission, Monthly Groundwater Sampling Field Data, On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - March 1987 -Field notes, water level data, purge volume and discharge data, and water quality parameters for upper Bellflower aquifer monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-l	05/13/87	Raw Analytical Data, March 1987, Montrose On-Site Monthly Sampling (Final)	Pertains to Part 2 Phase 1 - March 1987 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1987R-m	12/14/87	Information Submission, Groundwater Sampling Field Data for November 1987, On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - November 1987 -Field notes, water level data, water quality parameters, and purge volume and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-a	01/05/88	Raw Analytical Data, November 1987, Montrose On-Site Monitor Well Sampling (Final)	Pertains to Part 2 Phase 1 - November 1987 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1988R-b	02/10/88	Information Submission, Ground- water Sampling Field Data for January 1988, Montrose On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 1 - January 1988 -Field notes, water levels, water quality parameters, and purge volume and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1988R-c	03/01/88	Raw Analytical Data, January 1988, Montrose On-Site Monitor Well Sampling (Final)	Pertains to Part 2 Phase 1 - January 1988 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-d	05/20/88	Part 2 Remedial Investigative Work, Phase 2A Groundwater, Soil, and Sediment Sampling Plan, Montrose Site, Torrance, CA (Final)	Work Plan for Part 2 Phase 2A -Objectives of Phase 2A RI field work -Analytes and analyses requested -Hydrogeologic conditions -Monitor well locations and construction -Soil sampling locations S301 - S305 (On-Property) -Sampling procedures, number, frequency -Handling/shipping protocols, QA/QC
1988R-e	05/20/88	Part 2 Remedial Investigative Work, Quality Assurance Project Plan, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 2A -QA/QC procedures for Off-Property groundwater sampling
1988R-f	06/03/88	Raw Analytical Data, April 1988, Montrose On-Site Monitor Well Sampling, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - April 1988 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-g	06/07/88	Information Submission, Groundwater Sampling Field Data for April 1988, Montrose On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - April 1988 -Field notes, water level data, water quality parameters and purge volume and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1988R-h	06/30/88	Investigation of Free Product in Monitor Well MW-2, Montrose Site, Torrance, CA (Final)	-Summary of free product data obtained from monitor well MW-2
1988R-i	09/25/88	Information Submission, Groundwater Sampling Field Data for July 1988, Montrose On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - July 1988 -Field notes, water level data, water quality parameters and purge volume and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-j	09/08/88	Raw Analytical Data, July 1988, Montrose On-Site Monitor Wells Sampling, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - July 1988 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1988R-k	10/21/88	Raw Analytical Data from Montrose off-site sewer sampling August-September 1988, Torrance, CA (Final)	Pertains to Sanitary Sewer Investigation -Analytical data for sewer sediment and liquid sewage samples collected from LA County District 5 Interceptor and J.O. "D" sewer lines
1988R-l	11/09/88	Information Submission, Groundwater Sampling Field Data for October 1988, Montrose On-Site Monitor Wells, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - October 1988 -Field notes, water level data, water quality parameters and purge volume and discharge data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-m	11/22/88	Raw Analytical Data, October 1988, Montrose On-Site Monitor Well Sampling, Torrance, CA (Final)	Pertains to Part 2, Phase 2A - October 1988 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-5, Bellflower sand monitor wells BF-1 through BF-4, and Gage aquifer monitor wells G-1 through G-3 and LG-1
1988R-n	12/02/88	Field Data Submittal, Part 2 Remedial Investigative Work, Phase 2A, Montrose Site, Torrance, CA; Vol. I, August - September 1988, Dominguez Channel Sediment Survey and Sampling (Final)	Pertains to Part 2 Phase 2A - August - September 1988 -Information for the Dominguez Channel sediment survey, Transect Nos. 1-20
1988R-o	12/02/88	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2A, Montrose Site, Torrance, CA; Vol. II, September 1988, Off-Site Soil Sampling (Final)	Pertains to Part 2 Phase 2A - September 1988 -Lithologic logs for Off-Property soil borings T-21B through T-27, LA-15 through LA-19, T-33, T-42, T-46, T-52, T-64, and SP-3 through SP-5
1988R-p	12/02/88	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2A, Montrose Site, Torrance, CA; Vol. III, September - November 1988, On-Site Soil Sampling (Final)	Pertains to Part 2 Phase 2A - September - November 1988 -Lithologic logs for On-Property soil borings S-101A, S-301, S-301A, S-301B, S-302A, S-302F, S-303, S-303A, S-304, S-304A, S-305 and S-305A

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1988R-q	12/16/88	Raw Analytical Data, Part 2, Remedial Investigative Work, Phase 2A, Montrose Site, Torrance, CA; Vol. I, August - September 1988, Dominguez Channel Sediment Sampling (Final)	Pertains to Part 2 Phase 2A - September 1988 -Analytical data for sediment samples T1-C, T3-B, T6-A, T7-C, T9-C, T13-C, T14-A and T-18-C, collected from Dominguez Channel
1988R-r	12/16/88	Raw Analytical Data, Part 2, Remedial Investigative Work, Phase 2A, Montrose Site, Torrance, CA; Vol. II, September 1988, Off-Site Soil Sampling (Final)	Pertains to Part 2 Phase 2A - September 1988 -Analytical data for Off-Property soil borings T-21B through T-27, LA-15 through LA-19, T-33, T-34, T-42, T-46, T-52, T-64, and SP-3 through SP-5
1988R-s	12/16/88	Raw Analytical Data, Part 2, Remedial Investigative Work, Phase 2A, Vol. III, September - November 1988, On-Site Soil Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - October 1988 -Analytical data for On-Property soil borings S-101A, S-301, S-301A, S-301B, S-302A, S-302F, S-303, S-303A, S-304, S-304A, S-305, and S-305A

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1989R-a	03/09/89	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2A, Vol. IV, October 1988 - February 1989, Monitor Well Construction and Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - October 1988 -February 1989 -Construction information on newly constructed upper Bellflower aquitard monitor wells MW-6, MW-7, and MW-10 through MW-15, Bellflower sand monitor wells BF-5 through BF-9, and Gage aquifer monitor wells G-4 through G-7, and LG-2 -January-February 1989 water level data, water quality parameters, purge volumes and discharge for upper Bellflower aquitard monitor wells MW-1 through MW-7 and MW-10 through MW-15, Bellflower sand monitor wells BF-1 through BF-7, and Gage aquifer monitor wells G-1 through G-7, LG-1, and LG-2
1989R-b	03/23/89	Raw Analytical Data, Part 2, Remedial Investigative Work, Phase 2A, Vol. IV, January/ February 1989, Groundwater Sampling, Montrose Site, Torrance, Ca (Final)	Pertains to Part 2 Phase 2A - January - February 1989 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-7 and MW-10 through MW-15, Bellflower sand monitor wells BF-1 through BF-7, and Gage aquifer monitor wells G-1 through G-7, LG-1 and LG-2

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1989R-c	06/09/89	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2A, Vol. V, May 1989, Monitor Well Construction and Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - May 1989 -Lithologic logs for upper Bellflower aquitard monitor wells MW-8 and MW-9 -Water level data, water quality parameters, and purge volumes and discharge for upper Bellflower aquitard monitor wells MW-1 through MW-15, Bellflower sand monitor wells BF-1 through BF-9, and Gage aquifer monitor wells G-1 through G-7, LG-1, and LG-2
1989R-d	06/30/89	Raw Analytical Data, Part 2, Remedial Investigative Work, Phase 2A, Vol. V, May 1989, Groundwater Sampling, Montrose Site, Torrance, CA (Final)	Pertains to Part 2 Phase 2A - May 1989 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-15, Bellflower sand monitor wells BF-1 through BF-9, and Gage aquifer monitor wells G-1 through G-7, LG-1 and LG-2
1989R-e	09/01/89	Management Plan for the Remedial Investigation and Feasibility Study for the Technical Memorandum, Montrose Site, Torrance, CA (Final)	Pertains to RI/FS Study -Project organization, designation of personnel, definition of responsibilities

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1989R-f	11/17/89	Field Data from Montrose Off-Site Sewer Sampling, August - September 1989, Torrance, CA	Pertains to Sanitary Sewer Investigation -Sewer sediment and liquid sewage sampling field data from L.A. County District 5 Interceptor and J.O. "D" sewer lines
1989R-g	11/17/89	Results of the Sediment Survey and Sampling in Sanitary Sewers Associated with the Montrose Site, August - September 1988	Pertains to Sanitary Sewer Investigation -Analytical data for pesticide samples collected from the J.O. "D" and L.A. County District 5 Interceptor sewer lines
1990R-a	03/26/90	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2B, October 1989 - February 1990, Groundwater Sampling, Montrose Site, Torrance, CA (Final) Vol. I	Pertains to Part 2 Phase 2B -Field notes, water level data, water quality parameters and purge volumes and discharge for upper Bellflower aquitard monitor wells MW-1 through MW-15 and MW-23 through MW-26, Bellflower sand monitor wells BF-1 through BF-17, Gage aquifer monitor wells G-1 through G-9, G-11 through G-13, LG-1 and LG-2, and Lynwood aquifer monitor wells LW-1 through LW-3

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1990R-b	04/09/90	Raw Analytical Data Submittal, Part 2, Remedial Investigative Work, Phase 2B, Montrose Site, Torrance, CA; October 1989 - February 1990 Groundwater and Soil Sampling (Final)	Pertains to Part 2 Phase 2B - October 1989 -February 1990 -Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-15, MW-23 through MW-26, Bellflower sand monitor wells BF-1 through BF-17, Gage aquifer monitor wells G-1 through G-13, LG-1 and LG-2, and Lynwood aquifer monitor wells LW-1 through LW-3 -Analytical data for soil borings G-8, G-9, G-13 and exploratory borings EB-9, EB-13, and LW-3
1990R-c	05/04/90	Field Data Submittal, Part 2, Remedial Investigative Work, Phase 2B, Montrose Site, Torrance, CA; August 1989 - April 1990, Monitor and Test Well Installation (Final)	Pertains to Part 2 Phase 2B - August 1989 - April 1990 -Lithologic logs for exploratory borings EB-8 through EB-13, upper Bellflower aquifer monitor wells MW-16 through MW-26, Bellflower sand monitor wells BF-10 through BF-17, Gage aquifer monitor wells G-8, G-9, and G-11 through G-13, Lynwood aquifer monitor wells LW-1 through LW-3, and upper Bellflower aquitard test wells UBT-1 through UBT-3

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1990R-d	05/17/90	Field Data from Sewer Sediment Sampling, J.O. "D" Line and District 5 Interceptor, March 18 through 20, 1990	Pertains to Sanitary Sewer Investigation -Daily activity summary, Montrose Sewer Sampling from March 18 through 20, 1990 -Field notes for manholes MH-A468, MH-A471, MH-A472, MH-D26, MH-D28, and MH-D30
1990R-e	05/21/90	Field Data Submittal, Part 2 RIW, Phase 2B, Montrose Site, Torrance, CA; April 1990 Groundwater Sampling (Final)	Pertains to Part 2 Phase 2B - April 1990 -Field notes, water level data, water quality parameters and purge volume data for upper Bellflower aquifer monitor wells MW-1 through MW-26, Bellflower sand monitor wells BF-1 through BF-17, Gage aquifer monitor wells G-1 through G-13, and Lynwood aquifer monitor wells LW-1 through LW-3, LG-1 and LG-2
1990R-f	05/29/90	Regional Hydrogeologic Assessment Report, Task 15, Vols. I and II, Text, Tables, Illustrations (Final)	-Summary of well inventory and alternate source investigation
1990R-g	06/20/90	Raw Analytical Data Submittal, Part 2 RIW, Phase 2B, Montrose Site, Torrance, CA; April 1990 Groundwater Sampling (Final)	-Analytical data for upper Bellflower aquitard monitor wells MW-1 through MW-26, Bellflower sand monitor wells BF-1 through BF-17, Gage aquifer monitor wells G-1 through G-13, LG-1, and LG-2, and Lynwood aquifer monitor wells LW-1 through LW-3

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1990R-h	09/05/90	Field Data Submittal, Montrose Site, Torrance, CA, August 1990 Quarterly Groundwater Sampling Round (Final)	-Field notes, water level data, water quality parameters and purge volume data for upper Bellflower aquitard monitor wells MW-16 through MW-26; Bellflower sand monitor well BF-10 through BF-17; Gage aquifer monitor well G-8 and G-9, G-11 through G-13, and LW-1; and Lynwood aquifer monitor wells LW-1 through LW-3
1990R-i	09/18/90	Raw Analytical Data Submittal, Montrose Site, Torrance, CA, August 1990 Quarterly Groundwater Sampling (Final)	-Analytical data for upper Bellflower aquitard monitor wells MW-16 through MW-26; Bellflower sand monitor wells BF-10 through BF-17; Gage aquifer monitor wells G-8 and G-9, G-11 through G-13, and LG-1; and Lynwood aquifer monitor wells LW-1 through LW-3
1990R-j	10/25/90	Evaluation of Groundwater Treatability Study, Montrose Site, Torrance, CA (Draft)	-Results of field investigation evaluating feasibility of groundwater treatability testing, including soil sampling; installation of an upper Bellflower aquitard test well and two observation wells; aquifer testing; groundwater sampling from the test well; and monitoring of dense nonaqueous phase liquid (DNAPL) -Preliminary design for extraction wellfield in upper Bellflower aquitard -Preliminary design for water treatment facility

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1990R-k	10/31/90	Results of Aquifer Testing, Montrose Site, Torrance, CA (Final)	Pertains to RI/FS Study, May - June 1990 -Constant discharge aquifer test results for Upper Bellflower aquitard monitor wells MW-13, MW-15, MW-17, MW-25, and MW-26; Bellflower sand monitor wells BF-5, BF-7, BF-9, BF-11, BF-13, and BF-15; Gage aquifer monitor wells G-5, G-11, G-13, and LG-2; and Lynwood aquifer monitor wells LW-3. -Slug withdrawal test results for Upper Bellflower aquitard monitor wells MW-1, MW-8 through MW-11, MW-13, MW-17, and MW-21
1991R-a	01/30/91	Field and Raw Analytical Data Submittal, Semiannual Groundwater Sampling, November-December 1990, Montrose Site, Torrance, CA (Final)	-Water level data, water quality parameters, groundwater sampling data, and analytical data for upper Bellflower aquitard monitor wells MW-3, MW-5, MW-6, MW-12, MW-14, MW-16, MW-19, MW-23, and MW-26; Bellflower sand monitor wells BF-4, BF-8, BF-10, BF-12, BF-16, and BF-17; Gage aquifer monitor wells G-1, G-2, G-4, G-7 through G-9, and G-13; and Lynwood aquifer monitor wells LW-1 and LW-2
1991R-b	03/25/91	Engineering Evaluation and Cost Analysis for Sanitary Sewers in the Vicinity of the Montrose Property, Torrance, CA (Final)	-Identification and cost analysis of removal action alternatives for the J.O. "D" line and District 5 interceptor -Comparison of removal action alternatives and rationale for selection

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1991R-c	06/07/91	Field and Raw Analytical Data Submittal, Semiannual Groundwater Sampling, April 1991, Montrose Site, Torrance, CA (Final)	-Water level data, water quality parameters, groundwater sampling data, and analytical data for upper Bellflower aquitard monitor wells MW-3, MW-5, MW-6, MW-12, MW-14, MW-16, MW-19, MW-23, and MW-26; Bellflower sand monitor wells BF-4, BF-5, BF-7, BF-8, BF-10, BF-12, BF-16, and BF-17; Gage aquifer monitor wells G-1, G-2, G-4, G-7 through G-9, and G-13; and Lynwood aquifer monitor wells LW-1 and LW-2
1991R-d	12/19/91	Field and Raw Analytical Data Submittal, Additional Groundwater Assessment, Monitor Well Installation, Groundwater and Soil Sampling, May through November 1991, Montrose Site, Torrance, CA (Volume I-III) (Final)	Pertains to Additional Groundwater Assessment -Lithologic logs and analytical data for exploratory borings EB-14 through EB-17, upper Bellflower aquifer monitor wells MW-27 through MW-30, Bellflower sand monitor wells BF-18 through BF-33, Gage aquifer monitor wells G-10 and G-14 through G-19, Lynwood aquifer monitor wells LW-4 through LW-7
1992R-a	01/03/92	Field and Raw Analytical Data Submittal, Semiannual Groundwater Sampling, November 1991, Montrose Site, Torrance, CA (Final)	-Water level, water quality parameters, groundwater sampling data, and analytical data for upper Bellflower aquitard monitor wells MW-3, MW-5, MW-6, MW-12, MW-14, MW-16, MW-19, MW-23, MW-26, and MW-28; Bellflower sand monitor wells BF-4, BF-5, BF-7, BF-8, BF-10, and BF-12; Gage aquifer monitor wells G-1, G-2, G-4, G-7 through G-9, and G-13; and Lynwood aquifer monitor wells LW-1 and LW-2

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1992R-b	02/21/92	Groundwater Treatability Test Results, Phase 1, Montrose Site, Torrance, CA (Final)	-Results of Phase 1 of the groundwater treatability test, including installation of an upper Bellflower aquitard extraction well in the central process area; installation and operation of a groundwater treatment system; aquifer testing; sampling of the extraction well; sampling of the treatment system effluent; DNAPL recovery; and testing of a pilot-scale DNAPL/water separator
1992R-c	10/29/92	Final Draft Remedial Investigation, Montrose Site, Torrance, California	-Results of RI activities including summary of historical operations; regulatory response; hydrogeologic conditions; demographics; site investigation activities conducted to characterize soil, groundwater, sediment, and surface water; nature and extent of contamination in each environmental media investigated; and fate and transport of compounds of concern
1993R-a	03/11/93	Field and Raw Analytical Data Submittal, Semiannual Groundwater Sampling, January 1993, Montrose Site, Torrance, California	-Water level data for all Montrose monitor wells and water quality parameters, groundwater sampling data, and analytical data for upper Bellflower aquitard monitor wells MW-1 and MW-30; Bellflower sand monitor wells BF-9, BF-26, BF-31; Gage aquifer monitor wells G-3, G-9, and G-19; and Lynwood aquifer monitor wells LW-1 and LW-4
1995R-a	10/30/95	Field Sampling Plan and Quality Assurance Project Plan Amendment for Additional Groundwater Monitoring, Montrose Site, Torrance, California	-Objectives, rationale, methods, and procedures for one additional groundwater monitoring event including sample locations; analytical schedule; and laboratory QA/QC procedures

TABLE A-1 (continued)
MONTROSE RI ANNOTATED REFERENCE LIST
OF HARGIS + ASSOCIATES, INC. REPORTS

RI CITATION NUMBER	REPORT DATE	TITLE	CONTENTS
1996R-a	01/17/96	Groundwater Sampling Data Submittal, October through December 1995, Montrose Site, Torrance, California	-Water level data for all Montrose monitor wells and water quality parameters, groundwater sampling data, and analytical data for monitor wells MW-1, MW-5, MW-6, MW-9, MW-17, MW-19, MW-24, MW-25, MW-26, MW-27, UBT-3, BF-9, BF-18, BF-24, BF-26, BF-30, BF-31, BF-32A, G-10, G-16, G-18, G-19, LW-1, AND LW-2

APPENDIX B

ANALYTICAL METHODS FOR SOIL, GROUNDWATER, SEDIMENT, AND SURFACE WATER

TABLE B.4
ANALYTICAL METHODS FOR SURFACE WATER SAMPLES

NOTES

pH = Acidity/alkalinity
QACODE = Quality assurance designation
DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original
RA = Reanalysis
SEPA = Split samples analyzed by EPA

APPENDIX B

ANALYTICAL METHODS FOR SOIL, GROUNDWATER, SEDIMENT, AND SURFACE WATER

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B.1 ANALYTICAL METHODS FOR SOIL SAMPLES

B.2 ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

B.3 ANALYTICAL METHODS FOR SEDIMENT SAMPLES

B.4 ANALYTICAL METHODS FOR SURFACE WATER SAMPLES

TABLE B.4
ANALYTICAL METHODS FOR SURFACE WATER SAMPLES

SAMPLE LOCATION	SAMPLE IDENTIFIER	SAMPLE DATE	QACODE	Electrical Conductivity using EPA Method 120.1	pH Using EPA Method 150.1	Temperature Using a LAB METER	Organochlorine Pesticides Using EPA Method 8080	Volatile Organic Compounds Using EPA Method 8240
SW05	SW05-UNFILTERED	6/12/86	ORG				X	
SW05	SW05-UNFILTERED	6/12/86	RA				X	
SW05	SW39	6/12/86	FD				X	X
SW06	R4-SW06-COMPOSITE	2/13/87	ORG				X	X
SW06	R4-SW06-COMPOSITE	3/6/87	ORG					X
SW06	R5-SW06-COMP-FILTERED	3/6/87	ORG				X	
SW06	R5-SW06-COMPOSITE	3/6/87	ORG	X	X	X	X	X
SW06	SW06	6/12/86	ORG				X	
SW06	SW06-COMP	6/12/86	ORG					X
SW07	R4-SW07-COMPOISTE	2/13/87	ORG					X
SW07	R4-SW07-COMPOSITE	2/13/87	ORG	X	X	X	X	X
SW07	R5-SW07-COMP-FILTERED	3/6/87	ORG				X	
SW07	R5-SW07-COMPOSITE	3/6/87	ORG	X	X	X	X	X
SW07	SW07-COMP	6/12/86	ORG					X
SW07	SW07-FILTERED	6/12/86	RA				X	
SW07	SW07-UNFILTERED	6/12/86	ORG				X	
SW07	SW07-UNFILTERED	6/12/86	RA				X	
SW08	R4-SW08-COMPOSITE	2/13/87	ORG	X	X	X	X	X
SW08	R5-SW08-COMP-FILTERED	3/6/87	ORG				X	
SW08	R5-SW08-COMPOSITE	3/6/87	ORG	X	X	X	X	X
SW08	SW08-COMPOSITE	6/12/86	DSEP					X
SW08	SW08-COMPOSITE	6/12/86	ORG					X
SW08	SW08-COMPOSITE	6/12/86	SEPA				X	X
SW08	SW08-FILTERED	6/12/86	RA				X	
SW08	SW08-UNFILTERED	6/12/86	ORG				X	
SW08	SW08-UNFILTERED	6/12/86	RA				X	
SW09	R4-SW09-COMPOSITE	2/13/87	ORG	X	X	X		X
SW09	R5-SW09-COMP-FILTERED	3/6/87	ORG				X	
SW09	R5-SW09-COMPOSITE	3/6/87	ORG	X	X	X	X	X
SW09	SW09	6/12/86	ORG				X	
SW09	SW09-COMP	6/12/86	ORG					X
SW10	R4-SW10-COMPOSITE	2/13/87	ORG	X	X	X	X	X
SW10	R5-SW10-COMP-FILTERED	3/6/87	ORG				X	
SW10	R5-SW10-COMPOSITE	3/6/87	ORG	X	X	X	X	X
SW10	SW10-COMP	6/13/86	ORG					X
SW11	R5-SW11	3/6/87	ORG	X	X	X	X	X
SW12	R5-SW12	3/6/87	ORG	X	X	X	X	X
SW13	R5-SW13	3/6/87	ORG	X	X	X	X	X
SW14	R5-SW14	3/6/87	ORG	X	X	X	X	X
SW15	R5-SW15	3/6/87	ORG	X	X	X	X	X
SW16	R5-SW16	3/6/87	ORG	X	X	X	X	X
SW17	R5-SW17	3/6/87	ORG	X	X	X	X	X
SW18	R5-SW18	3/6/87	ORG	X	X	X	X	X
SW19	R5-SW19	3/6/87	ORG	X	X	X	X	X
SW20	R5-SW20	3/6/87	ORG	X	X	X	X	X
SW20	SW20	6/6/86	OEPA					X
SW20	SW20-COMPOSITE	6/6/86	SEPA				X	
SW24	SW24	6/6/86	DEPA				X	X
SW24	SW24	6/6/86	OEPA					X

NOTE: See last page of this table for footnotes.

TABLE B.4
ANALYTICAL METHODS FOR SURFACE WATER SAMPLES

SAMPLE LOCATION	SAMPLE IDENTIFIER	SAMPLE DATE	QACODE	Electrical Conductivity using EPA Method 120.1	pH Using EPA Method 150.1	Temperature Using a LAB-METER	Organochlorine Pesticides Using EPA Method 8080	Volatile Organic Compounds using EPA Method 8240
SED16	SW16-S-D-COMPOSITE	6/5/86	ORG					X
SED17	SW17-S-D-COMPOSITE	6/5/86	ORG					X
SED17	SW31-S-D-COMPOSITE	6/5/86	FD					X
SED18	SW18-S-D-COMPOSITE	6/5/86	ORG					X
SED19	SW19-S-D-COMPOSITE	6/5/86	ORG					X
SED20	SW20-S-D-COMPOSITE	6/6/86	ORG					X
SED20	SW20-UNFILTERED	6/6/86	ORG				X	
SED21	SW21-S-D-COMPOSITE	6/6/86	ORG					X
SED21	SW35-S-D-COMPOSITE	6/6/86	FD					X
SED22	SW22	6/8/86	ORG				X	
SED22	SW22-S-D-COMPOSITE	6/8/86	ORG					X
SED23	SW23-S-D-COMPOSITE	6/7/86	ORG					X
SED24	SW24-FILTERED	6/6/86	RA				X	
SED24	SW24-S-D-COMPOSITE	6/6/86	ORG					X
SED24	SW24-UNFILTERED	6/6/86	RA				X	
SED25	SW25-S-D-COMPOSITE	6/7/86	ORG					X
SED25	SW37-S-D-COMPOSITE	6/7/86	FD					X
SW01	R2-SW01	1/4/87	ORG	X	X	X	X	X
SW01	R3-SW01	1/6/87	ORG	X	X	X	X	X
SW01	R4-SW01	2/13/87	ORG				X	X
SW01	R4-SW100	2/13/87	FD				X	X
SW01	R5-SW01	3/5/87	ORG	X	X	X	X	X
SW01	R5-SW100	3/6/87	FD	X	X	X	X	X
SW02	R1-SW02	9/24/86	ORG				X	X
SW02	R1-SW02-FILTERED	9/24/86	ORG				X	
SW02	R1-SW200	9/24/86	FD				X	X
SW02	R1-SW200-FILTERED	9/24/86	FD				X	
SW02	R2-SW02	1/4/87	ORG	X	X	X	X	X
SW02	R2-SW200	1/4/87	FD	X	X	X	X	X
SW02	R3-SW02	1/6/87	ORG	X	X	X	X	X
SW02	R4-SW02	2/13/87	ORG	X	X	X		X
SW02	R4-SW02-FILTERED	2/13/87	ORG				X	
SW02	R5-SW02	3/6/87	ORG	X	X	X	X	X
SW03	R1-SW03	9/24/86	ORG				X	X
SW03	R1-SW03-FILTERED	9/24/86	ORG				X	
SW03	R2-SW03	1/4/87	ORG	X	X	X	X	X
SW03	R2-SW03-FILTERED	1/4/87	ORG				X	
SW03	R3-SW03	1/6/87	ORG	X	X	X	X	X
SW03	R3-SW300	1/6/87	FD	X	X	X	X	X
SW03	R4-SW03	2/13/87	ORG	X	X	X		X
SW03	R4-SW03-FILTERED	2/13/87	ORG				X	
SW03	R5-SW03	3/6/87	ORG	X	X	X	X	X
SW03	R5-SW300	3/6/87	FD	X	X	X	X	X
SW04	R1-SW04	9/24/86	ORG				X	X
SW04	R1-SW04-FILTERED	9/24/86	ORG				X	
SW04	R2-SW04	1/4/87	ORG	X	X	X	X	X
SW04	R3-SW04	1/6/87	ORG	X	X	X	X	X
SW04	R4-SW04	2/13/87	ORG	X	X	X		X
SW04	R4-SW04-FILTERED	2/13/87	ORG				X	
SW04	R5-SW04	3/6/87	ORG	X	X	X	X	X
SW04	SW04	6/13/86	ORG				X	X
SW05	R1-SW05	9/24/86	ORG				X	X
SW05	R1-SW05-FILTERED	9/24/86	ORG				X	
SW05	R2-SW05	1/4/87	ORG	X	X	X	X	X
SW05	R3-SW05	1/6/87	ORG	X	X	X	X	X
SW05	R3-SW05-FILTERED	1/6/87	ORG				X	
SW05	R4-SW05	2/13/87	ORG				X	X
SW05	R4-SW500	2/13/87	FD				X	X
SW05	R5-SW05	3/6/87	ORG	X	X	X	X	X
SW05	SW05	6/12/86	ORG					X
SW05	SW05-FILTERED	6/12/86	RA				X	

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
ON-PROPERTY	S001	S001-0-12.0	1.0	6/15/83	ORG						X			
Pre-Part 1	S001	S001-18.0-30.0	2.5	6/15/83	ORG						X			
Pre-Grading	S002	S002-0-12.0	1.0	6/15/83	ORG						X			
1983	S002	S002-18.0-30.0	2.5	6/15/83	ORG						X			
	S003	S003-0-12.0	1.0	6/15/83	ORG						X			
	S003	S003-0-12.0	1.0	6/15/83	FD						X			
	S003	S003-18.0-30.0	2.5	6/15/83	ORG						X			
	S004	S004-0-6.0	0.6	6/17/83	ORG						X			
	S004	S004-18.0-19.0	1.6	6/17/83	ORG						X			
	S004A	S004A-33.0-46.0	3.1	8/10/83	ORG						X			
	S004A	S004A-33.0-46.0	3.1	8/10/83	FD						X			
	S004A	S004A-63.0-75.0	6.3	8/10/83	ORG						X			
	S005	S005-0-12.0	1.0	6/15/83	ORG						X			
	S005	S005-18.0-30.0	2.5	6/15/83	ORG						X			
	S005A	S005A-36.0-48.0	4.0	8/9/83	ORG						X			
	S005A	S005A-54.0-66.0	5.5	8/9/83	ORG						X			
	S006	S006-0-6.0	0.6	6/17/83	ORG						X			
	S006	S006-0-6.0	0.6	6/17/83	FD						X			
	S006	S006-15.0-16.0	1.3	6/17/83	ORG						X			
	S007	S007-0-12.0	1.0	6/15/83	ORG						X			
	S007	S007-18.0-30.0	2.5	6/15/83	ORG						X			
	S008	S008-0-12.0	1.0	6/15/83	ORG						X			
	S008	S008-18.0-24.0	2.0	6/15/83	ORG						X			
	S009	S009-0-12.0	1.0	6/15/83	ORG						X			
	S009	S009-18.0-24.0	2.0	6/15/83	ORG						X			
	S010	S010-0-6.0	0.6	6/17/83	ORG						X			
	S010	S010-22.0-24.0	2.0	6/17/83	ORG						X			
	S010A	S010A-12.0-24.0	2.0	8/10/83	ORG						X			
	S010A	S010A-36.0-48.0	4.0	8/10/83	ORG						X			
	S011	S011-0-6.0	0.6	6/17/83	ORG						X			
	S011	S011-23.0-24.0	2.0	6/17/83	ORG						X			
	S012	S012-0-12.0	1.0	6/17/83	ORG						X			
	S012	S012-22.0-24.0	2.0	6/17/83	ORG						X			
	S012A	S012A-38.0-50.0	4.2	8/10/83	ORG						X			
	S012A	S012A-58.0-70.0	5.1	8/10/83	ORG						X			
	S013	S013-0-12.0	1.0	6/16/83	ORG						X			
	S013	S013-16.0-18.0	1.6	6/16/83	ORG						X			
	S014	S014-0-6.0	0.6	6/16/83	ORG						X			
	S014	S014-12.0-13.0	1.1	6/16/83	ORG						X			
	S017	S017-0-12.0	1.0	6/16/83	ORG						X			
	S017	S017-18.0-30.0	2.5	6/16/83	ORG						X			
	S018	S018-0-12.0	1.0	6/16/83	ORG						X			
	S018	S018-18.0-24.0	2.0	6/16/83	ORG						X			
	S020	S020-0-6.0	0.6	6/16/83	ORG						X			
	S020	S020-15.0-16.0	1.4	6/16/83	ORG						X			

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
S023	S023-0-6.0	0.6	6/17/83	ORG						X			
S023	S023-18.0-19.0	1.3	6/17/83	ORG						X			
S023A	S023A-29.0-41.0	3.5	8/10/83	ORG						X			
S023A	S023A-50.0-62.0	5.2	8/10/83	ORG						X			
S024	S024-0-6.0	0.6	6/17/83	ORG						X			
S024	S024-18.0-19.0	1.3	6/17/83	ORG						X			
S024A	S024A-37.0-55.0	4.7	8/10/83	ORG						X			
S024A	S024A-37.0-55.0	4.7	8/10/83	FD						X			
S024A	S024A-62.0-74.0	6.2	8/10/83	ORG						X			
S029	S029-0-12.0	1.0	8/9/83	ORG						X			
S029	S029-24.0-36.0	3.0	8/9/83	ORG						X			
S030	S030-0-7.0	0.7	8/9/83	ORG						X			
S030	S030-23.0-26.0	2.2	8/9/83	ORG						X			
S031	S031-0-12.0	1.0	8/9/83	ORG						X			
S031	S031-24.0-36.0	3.0	8/9/83	ORG						X			
S031	S031-24.0-36.0	3.0	8/9/83	FD						X			
S032	S032-18.0	1.6	8/9/83	ORG						X			
S032	S032-32.0-44.0	3.8	8/9/83	ORG						X			
S033	S033-0-5.0	0.5	8/9/83	ORG						X			
S033	S033-21.0-26.0	2.2	8/9/83	ORG						X			
S034	S034-0-6.0	0.6	8/9/83	ORG						X			
S034	S034-23.0-28.0	2.4	8/9/83	ORG						X			
S035	S035-0-12.0	1.0	8/9/83	ORG						X			
S035	S035-18.0-30.0	2.6	8/9/83	ORG						X			
S036	S036-20.0	1.8	8/9/83	ORG						X			
S036	S036-24.0-36.0	3.0	8/9/83	ORG						X			
S036	S036-24.0-36.0	3.0	8/9/83	FD						X			
S037	S037-0-12.0	1.0	8/9/83	ORG						X			
S037	S037-21.0-39.0	3.3	8/9/83	ORG						X			
S038	S038-0-12.0	1.0	8/9/83	ORG						X			
S038	S038-19.0-30.0	2.6	8/9/83	ORG						X			
S039	S039-0-12.0	1.0	8/9/83	ORG						X			
S039	S039-25.0-37.0	1.1	8/9/83	ORG						X			
S040	S040-0-14.0	1.2	8/9/83	ORG						X			
S040	S040-23.0-36.0	3.0	8/9/83	ORG						X			
00/03-01-A00	10	0.25 (b)	7/24/83							X			
00/08-01-A00	11	0.25 (b)	7/24/83							X			
00/13-01-A00	12	0.25 (b)	7/24/83							X			
00/18-01-A00	13	0.25 (b)	7/24/83							X			
02/01-01-B01	19	1.0	7/25/83							X			
02/02-01-B01	14	1.0	7/24/83							X			
02/08/01-B05	1	5.0	7/22/83							X			
02/08-02-B03	2	3.0	7/22/83							X			
03/00-01-C01	37	1.0	7/27/83							X			
03/01-01-B01	20	1.0	7/25/83							X			

NOTE: See last page of this table for footnotes.

TABLE B.3
ANALYTICAL METHODS FOR SEDIMENT SAMPLES

NOTES

QACODE = Quality assurance designation
DSEP = Duplicate EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original
RA = Reanalysis
RASE = Reanalysis of EPA split Sample
RSED = Reanalysis of EPA split duplicate sample
SEPA = Split samples analyzed by EPA

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
03/03-01-B01	3	1.0	7/22/83							X			
03/03-01-C01	39	1.0	7/27/83							X			
04/01-01-B01	21	1.0	7/25/83							X			
04/03-01-C01	38	1.0	7/27/83							X			
05/01-01-C01	22	1.0	7/26/83							X			
05/01-02-C01	23	1.0	7/26/83							X			
06/01-01-C01	24	1.0	7/26/83							X			
07/01-01-C01	25	1.0	7/26/83							X			
07/01-02-C01	26	1.0	7/26/83							X			
07/01-03-C01	27	1.0	7/26/83							X			
07/03-01-C01	28	1.0	7/26/83							X			
08/01-01-C01	29	1.0	7/26/83							X			
09/03-01-C01	30	1.0	7/26/83							X			
09/21-01-A08	9	8 (b)	7/23/83							X			
10/03-01-B03	15	3.0	7/24/83							X			
10/03-02-B04	16	4.0	7/24/83							X			
11/01-01-C01	42	1.0	7/28/83							X			
11/03-01-C01	31	1.0	7/26/83							X			
12/01-01-C01	43	1.0	7/28/83							X			
12/18-01-A10	4	10 (b)	7/22/83							X			
12/18-02-A10	8	10 (b)	7/23/83							X			
12/24-01-A10	5	10 (b)	7/22/83							X			
12/24-02-A10	17	10 (b)	7/24/83							X			
13/01-01-C01	44	1.0	7/28/83							X			
13/03-01-C01	40	1.0	7/27/83							X			
13/21-01-C01	32	1.0	7/26/83							X			
14/01-01-C01	45	1.0	7/28/83							X			
14/03-01-C01	41	1.0	7/27/83							X			
21/12-01-B15	46	15.0	7/28/83							X			
22/38-01-A05	6	5 (b)	7/22/83							X			
22/38-02-A06	18	6 (b)	7/24/83							X			
22/39-01-A05	7	5 (b)	7/22/83							X			
23/21-01-C01	36	1.0	7/27/83							X			
23/23-01-C01	35	1.0	7/27/83							X			
23/24-01-C01	47	1.0	7/28/83							X			
23/25-01-C01	34	1.0	7/27/83							X			
23/27-01-C01	33	1.0	7/27/83							X			
38/22-03-A05	48	5 (b)	7/28/83							X			

NOTE: See last page of this table for footnotes.

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TABLE B.3
ANALYTICAL METHODS FOR SEDIMENT SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DATE	QACODE	Moisture Using Method 160.3	Total Organic Carbon Using Method PLB-1981	Organochlorine Pesticides Using EPA Method 8080	Volatile Organic Compounds using EPA Method 8240	Base/Neutral Acid Organic Compounds using EPA Method 8270
SED24	SED24-0-20-COMPOSITE	6/6/86	ORG			X	X	
SED24	SED24-15	6/6/86	DSEP			X	X	X
SED24	SED24-20	6/6/86	SEPA			X	X	X
SED25	SED25-0-20-COMPOSITE	6/7/86	ORG				X	
SED25	SED36-0-20-COMPOSITE	6/7/86	FD				X	
T01C	T01C-0.5	9/2/88	ORG	X		X		
T01C	T01C-1.5	9/2/88	ORG	X		X		
T03B	T03B-0.5	9/2/88	ORG	X		X		
T03B	T03B-1.0-1.5	9/2/88	SEPA			X		
T03B	T03B-1.5	9/2/88	ORG	X		X		
T03B	T03B-2.4	9/2/88	ORG	X		X		
T06A	T06A-COMPOSITE	9/2/88	ORG	X	X	X		
T06A	T60A-COMPOSITE	9/2/88	FD	X	X	X		
T07C	T07C-0.5	9/2/88	ORG	X		X		
T07C	T07C-1.9	9/2/88	ORG	X		X		
T09C	T09C-COMPOSITE	9/3/88	DSEP			X		
T09C	T09C-COMPOSITE	9/3/88	ORG	X	X	X		
T09C	T09C-COMPOSITE	9/3/88	SEPA			X		
T09C	T90C-COMPOSITE	9/3/88	FD	X		X		
T13C	T13C-0.5	9/1/88	ORG	X		X		
T13C	T13C-0.5-1.0	9/1/88	SEPA			X		
T13C	T13C-1.5	9/1/88	ORG	X		X		
T14A	T14A-0.7	9/1/88	ORG	X		X		
T18C	T18C-0.5	9/1/88	ORG	X		X		
T18C	T18C-1.5	9/1/88	ORG	X		X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
Pre-Part 1	MW001	MW001-6.0-6.5	6.5	4/24/85	ORG						X		X	
Post-Grading	MW001	MW001-11.0-11.5	11.5	4/24/85	ORG						X		X	
1985	MW001	MW001-16.5-17.0	17.0	4/25/85	ORG						X		X	
	MW001	MW001-21.5-22.0	22.0	4/25/85	ORG						X		X	
	MW001	MW001-26.5-27.0	27.0	4/25/85	ORG						X		X	
	MW001	MW001-31.5-32.0	32.0	4/25/85	ORG						X		X	
	MW001	MW001-36.5-37.0	37.0	4/25/85	ORG						X		X	
	MW001	MW001-41.5-42.0	42.0	4/25/85	ORG						X		X	
	MW001	MW001-46.5-47.0	47.0	4/25/85	ORG						X		X	
	MW001	MW001-51.5-52.0	52.0	4/25/85	ORG						X		X	
	MW001	MW001-56.5-57.0	57.0	4/25/85	ORG						X		X	
	MW001	MW001-56.5-57.0	57.0	4/25/85	FD						X		X	
	MW001	MW001-61.5-62.0	62.0	4/25/85	ORG						X		X	
	MW001	MW001-66.5-67.0	67.0	4/25/85	ORG						X		X	
	MW001	MW001-71.5-72.0	72.0	4/26/85	ORG						X		X	
	MW001	MW001-76.5-77.0	77.0	4/26/85	ORG						X		X	
	MW002	MW002-6.0-6.5	6.5	4/24/85	ORG						X		X	
	MW002	MW002-11.0-11.5	11.5	4/24/85	ORG						X		X	
	MW002	MW002-16.5-17.0	17.0	4/27/85	ORG						X		X	
	MW002	MW002-21.5-22.0	22.0	4/27/85	ORG						X		X	
	MW002	MW002-26.5-27.0	27.0	4/27/85	ORG						X		X	
	MW002	MW002-31.5-32.0	32.0	4/27/85	ORG						X		X	
	MW002	MW002-36.5-37.0	37.0	4/27/85	ORG						X		X	
	MW002	MW002-41.5-42.0	42.0	4/27/85	ORG						X		X	

NOTE: See last page of this table for footnotes.

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TABLE B.3
ANALYTICAL METHODS FOR SEDIMENT SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DATE	QACODE	Moisture Using Method 160.3	Total Organic Carbon Using Method PLB-1981	Organochlorine Pesticides Using EPA Method 8080	Volatile Organic Compounds using EPA Method 8240	Base/Neutral Acid Organic Compounds using EPA Method 8270
5-20-S-B	5-20-S-B	5/20/86	OEPA			X	X	
5-20-S-B	5-20-S-B	5/20/86	SEPA					X
BGS	BGS-0.5	9/27/88	ORG			X		
BGS	BGS-0.5	9/27/88	RA			X		
BGS	BGS-2.0-2.6	9/3/88	OEPA			X		
BGS	BGS-2.5	9/27/88	ORG			X		
BGS	BGS-2.5	9/27/88	RA			X		
BGS	BGS-4.5	9/27/88	ORG			X		
BGS	BGS-4.5	9/27/88	RA			X		
BGS	BGS-6.2	9/27/88	ORG			X		
BGS	BGS-6.2	9/27/88	RA			X		
BGS	BGS-8.0	9/24/88	ORG			X		
BGS	BGS-8.0	9/27/88	RA			X		
BGS	DBGS-4.5	9/27/88	FD			X		
BGS	DBGS-4.5	9/27/88	RA			X		
KD01	KD01	5/29/86	ORG			X	X	
KD03	KD03	5/29/86	ORG			X	X	
KD04	KD04	5/29/86	ORG			X	X	
KD04	KD06	5/29/86	FD				X	
KD05	KD05	5/29/86	ORG			X	X	
KD07	KD07	5/29/86	ORG				X	
SED06	SED06	5/29/86	ORG				X	
SED07	SED07	5/29/86	ORG				X	
SED08	SED08	5/29/86	ORG				X	
SED09	SED09	5/29/86	ORG				X	
SED10	SED10	5/30/86	ORG				X	
SED10	SED30	5/30/86	FD				X	
SED11	SED11	5/28/86	OEPA				X	X
SED11	SED11	5/28/86	ORG			X		
SED11	SED11	5/28/86	SEPA			X		
SED11	SED11-31-62-85-COMPOSITE	5/28/86	ORG				X	
SED12	SED12-35-85-135-COMPOSIT	5/30/86	ORG				X	
SED13	SED12-35-85-135-COMPOSIT	5/30/86	DSEP			X	X	X
SED13	SED12-35-85-135-COMPOSIT	5/30/86	RASE				X	
SED13	SED12-35-85-135-COMPOSIT	5/30/86	RSED				X	
SED13	SED12-35-85-135-COMPOSIT	5/30/86	SEPA			X	X	X
SED13	SED13-35-85-135-COMPOSIT	5/30/86	ORG				X	
SED13	SED13-35-85-135-COMPOSIT	5/30/86	SEPA				X	
SED14	SED14-25-60-COMPOSITE	6/11/86	ORG				X	
SED14	SED37-25-60-COMPOSITE	6/11/86	FD				X	
SED15	SED15-30-50-95-COMPOSITE	6/11/86	ORG			X	X	
SED16	SED16-0-20-COMPOSITE	6/5/86	ORG			X	X	
SED17	SED17-0-20-COMPOSITE	6/5/86	ORG				X	
SED18	SED18-0-20-COMPOSITE	6/5/86	ORG				X	
SED18	SED33-0-20-COMPOSITE	6/5/86	FD				X	
SED19	SED19-0-20-COMPOSITE	6/4/86	ORG				X	
SED19	SED30-0-20-COMPOSITE	6/4/86	FD				X	
SED20	SED20	6/6/86	OEPA				X	
SED20	SED20-0-20-COMPOSITE	6/6/86	OEPA				X	
SED20	SED20-0-20-COMPOSITE	6/6/86	ORG			X	X	
SED20	SED20-0-20-COMPOSITE	6/6/86	SEPA			X		X
SED21	SED21-0-20-COMPOSITE	6/6/86	ORG			X	X	
SED21	SED35-0-20-COMPOSITE	6/6/86	FD			X	X	
SED22	SED22-0-20-COMPOSITE	6/8/86	ORG				X	
SED23	SED23-0-20-COMPOSITE	6/7/86	ORG				X	

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 8060 or 90.3 or PLB-1991	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
MW002	MW002-46.5-47.0	47.0	4/27/85	ORG						X		X	
MW002	MW002-51.5-52.0	52.0	4/27/85	ORG						X		X	
MW002	MW002-56.5-57.0	57.0	4/27/85	ORG						X		X	
MW002	MW002-61.5-62.0	62.0	4/27/85	ORG						X		X	
MW002	MW002-66.5-67.0	67.0	4/27/85	ORG						X		X	
MW002	MW002-71.5-72.0	72.0	4/27/85	ORG						X		X	
MW002	MW002-76.5-77.0	77.0	4/27/85	ORG						X		X	
MW002A	MW002A-6.0-6.5	6.5	4/24/85	ORG						X		X	
MW003	MW003-6.0-6.5	6.5	4/24/85	ORG						X		X	
MW003	MW003-11.0-11.5	11.5	4/24/85	ORG						X		X	
MW003	MW003-16.5-17.0	17.0	4/26/85	ORG						X		X	
MW003	MW003-16.5-17.0	17.0	4/26/85	FD						X		X	
MW003	MW003-21.5-22.0	22.0	4/26/85	ORG						X		X	
MW003	MW003-26.5-27.0	27.0	4/26/85	ORG						X		X	
MW003	MW003-31.5-32.0	32.0	4/26/85	ORG						X		X	
MW003	MW003-36.5-37.0	37.0	4/26/85	ORG						X		X	
MW003	MW003-41.5-42.0	42.0	4/26/85	ORG						X		X	
MW003	MW003-46.5-47.0	47.0	4/26/85	ORG						X		X	
MW003	MW003-51.5-52.0	52.0	4/26/85	ORG						X		X	
MW003	MW003-56.5-57.0	57.0	4/27/85	ORG						X		X	
MW003	MW003-61.5-62.0	62.0	4/27/85	ORG						X		X	
MW003	MW003-66.5-67.0	67.0	4/27/85	ORG						X		X	
MW003	MW003-71.5-72.0	72.0	4/27/85	ORG						X		X	
MW003	MW003-76.5-77.0	77.0	4/27/85	ORG						X		X	
MW004	MW004-6.0-6.5	6.5	4/24/85	ORG						X		X	

NOTE: See last page of this table for footnotes.

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TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
MW004	MW004-11.0-11.5	11.5	4/24/85	ORG						X		X	
MW004	MW004-16.5-17.0	17.0	4/26/85	ORG						X		X	
MW004	MW004-21.5-22.0	22.0	4/26/85	ORG						X		X	
MW004	MW004-26.5-27.0	27.0	4/26/85	ORG						X		X	
MW004	MW004-31.5-32.0	32.0	4/26/85	ORG						X		X	
MW004	MW004-31.5-32.0	32.0	4/26/85	FD						X		X	
MW004	MW004-36.5-37.0	37.0	4/26/85	ORG						X		X	
MW004	MW004-42.5-43.0	43.0	4/26/85	ORG						X		X	
MW004	MW004-46.5-47.0	47.0	4/26/85	ORG						X		X	
MW004	MW004-51.5-52.0	52.0	4/26/85	ORG						X		X	
MW004	MW004-56.5-57.0	57.0	4/26/85	ORG						X		X	
MW004	MW004-61.5-62.0	62.0	4/26/85	ORG						X		X	
MW004	MW004-66.5-67.0	67.0	4/26/85	ORG						X		X	
MW004	MW004-71.5-72.0	72.0	4/26/85	ORG						X		X	
MW004	MW004-76.5-77.0	77.0	4/26/85	ORG						X		X	
MW005	MW005-6.0-6.5	6.5	4/24/85	ORG						X		X	
MW005	MW005-11.0-11.5	11.5	4/24/85	ORG						X		X	
MW005	MW005-16.5-17.0	17.0	4/25/85	ORG						X		X	
MW005	MW005-21.5-22.0	22.0	4/25/85	ORG						X		X	
MW005	MW005-26.5-27.0	27.0	4/25/85	ORG						X		X	
MW005	MW005-31.5-32.0	32.0	4/25/85	ORG						X		X	
MW005	MW005-36.5-37.0	37.0	4/25/85	ORG						X		X	
MW005	MW005-41.5-42.0	42.0	4/25/85	ORG						X		X	
MW005	MW005-46.5-47.0	47.0	4/25/85	ORG						X		X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

NOTE

pH = Acidity/alkalinity
p-CBSA= Para-chlorobenzene sulfonic acid
HPLC = High performance liquid chromatography

QACODE = Quality assurance designation
DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate
LD = Lab Duplicate
OEPA = Original EPA Sample
ORG = Original
QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates
RASE = Reanalysis of EPA split Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(a) = Groundwater samples analyzed for metals using one or more of the following methods:
EPA-206.3
EPA-220.1
EPA-229.1
EPA-236.1
EPA-242.1
EPA-243.1
EPA-258.1
EPA-273.1
EPA-289.1
EPA-6010
EPA-6010A
EPA-7060
EPA-7131
EPA-7191
EPA-7421
EPA-7470
EPA-7471
EPA-7740
EPA-7841

(b) = Groundwater samples analyzed for common ions using one or more of the following methods:
APHA-404B
EPA-130.2
EPA-215.1
EPA-215.2
EPA-258.1
EPA-273.1
EPA-300.0
EPA-310.1
EPA-325.2
EPA-325.3
EPA-325.8
EPA-340.2
EPA-353.2
EPA-370.1
EPA-375.2
EPA-375.4
EPA-376.2
EPA-376.2M
EPA-9038
EPA-9252
Lab Meter

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1991	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
MW005	MW005-51.5-52.0	52.0	4/25/85	ORG						X		X	
MW005	MW005-56.5-57.0	57.0	4/25/85	ORG						X		X	
MW005	MW005-65.0-65.5	65.5	4/25/85	ORG						X		X	
MW005	MW005-65.0-65.5	65.5	4/25/85	FD						X		X	
MW005	MW005-71.5-72.0	72.0	4/25/85	ORG						X		X	
S101	S101-22.5-23.0	23.0	5/1/85	ORG						X		X	
S101	S101-26.5-27.0	27.0	5/1/85	ORG						X		X	
S101	S101-31.5-32.0	32.0	5/1/85	ORG						X		X	
S101	S101-36.5-37.0	37.0	5/1/85	ORG						X		X	
S101	S101-41.5-42.0	42.0	5/1/85	ORG						X		X	
S101	S101-46.5-47.0	47.0	5/1/85	ORG						X		X	
S101	S101-51.5-52.0	52.0	5/1/85	ORG						X		X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
LW-01	10/25/89	ORG			X	X		X		X	X		
	11/17/89	ORG								X	X		
		FD								X	X		
		SPT		X						X	X		
	4/18/90	ORG								X	X		
		FD								X	X		
		SPT		X						X	X		
	8/4/90	ORG								X	X		
	12/1/90	ORG								X	X		
		FD								X	X		
		SPT								X	X		
	4/23/91	ORG								X	X		X
	11/21/91	ORG								X	X		
	7/22/92	ORG									X		
		FD									X		
		SPT									X		
	2/25/90	ORG								X	X		
		FD								X	X		
		SPT		X						X	X		
	1/26/93	ORG									X		
	7/23/93	ORG									X		
	11/28/95	ORG									X		X
		SPT									X		X
LW-02	10/26/89	ORG			X	X		X		X	X		
	11/16/89	ORG								X	X		
	2/24/90	ORG									X		
	4/21/90	ORG								X	X		
	8/5/90	ORG									X		
	12/2/90	ORG								X	X		
		FD								X	X		
		SPT								X	X		
	4/24/91	ORG									X		X
	11/28/95	ORG									X		X
	11/22/91	ORG									X		
		FD									X		
		SPT									X		
LW-03	2/23/90	ORG									X		
	4/20/90	ORG								X	X		
	8/5/90	ORG									X		
	12/20/89	ORG								X	X		
	12/8/89	ORG			X	X		X		X	X		
		FD								X	X		
		SPT		X						X	X		
LW-04	10/11/91	ORG	X	X	X	X	X	X	X	X	X	X	X
	7/23/92	ORG									X		
	1/26/93	ORG									X		
	9/10/91	ORG								X	X		
LW-05	10/9/91	ORG	X	X	X	X	X	X	X	X	X	X	X
	8/25/91	ORG								X	X		
LW-06	10/8/91	ORG	X	X	X	X	X	X	X	X	X	X	X
NOTE		FD								X	X		
		SPT								X	X		
	9/26/91	ORG								X	X		
LW-07	10/17/91	ORG	X	X	X	X	X	X	X	X	X	X	X
	8/25/91	ORG								X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

Part 1
(Metcalf & Eddy)
1985

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 9270
11D	11D-1.5-2.0	2.0	6/26/85	OEPA					X	X		X	
11D	11D-3.0-3.5	3.5	6/26/85	OEPA					X	X		X	
11D	11D-4.0-4.5	4.5	6/26/85	OEPA				X			X	X	X
11D	11D-4.5-5.0	5.0	6/26/85	OEPA				X			X	X	X
11D	11D-6.0-6.5	6.5	6/26/85	OEPA					X	X		X	
11D	11D-7.5-8.0	8.0	6/26/85	OEPA					X	X		X	
11D	11D-9.0-9.5	9.5	6/26/85	OEPA				X			X	X	X
12D	12D-1.5-2.0	2.0	6/25/85	OEPA					X	X		X	
12D	12D-3.0-3.5	3.5	6/25/85	OEPA					X	X		X	
12D	12D-4.0-4.5	4.5	6/25/85	DEPA				X			X	X	X
12D	12D-4.5-5.0	5.0	6/25/85	OEPA				X			X	X	X
12D	12D-6.0-6.5	6.5	6/25/85	OEPA					X	X		X	
12D	12D-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
12D	12D-8.0-9.0	9.0	6/25/85	OEPA				X					
12D	12D-8.5-9.0	9.0	6/25/85	OEPA							X	X	X
12D	12D-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
13D	13D-1.0-1.5	1.5	6/25/85	OEPA					X	X		X	
13D	13D-1.5-2.0	2.0	6/25/85	OEPA					X	X		X	
13D	13D-3.0-3.5	3.5	6/25/85	OEPA				X			X	X	X
13D	13D-4.0-4.5	4.5	6/25/85	DEPA					X	X		X	
13D	13D-4.5-5.0	5.0	6/25/85	OEPA					X	X		X	
13D	13D-5.5-6.0	6.5	6/25/85	OEPA					X	X		X	
13D	13D-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
13D	13D-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
14D	14D-1.0-1.5	1.5	6/19/85	OEPA						X		X	
14D	14D-2.5-3.0	3.0	6/19/85	OEPA						X		X	
14D	14D-3.0-3.5	3.5	6/19/85	OEPA						X		X	
14D	14D-4.5-5.0	5.0	6/19/85	OEPA				X			X	X	
14D	14D-6.0-6.5	6.5	6/19/85	OEPA						X		X	
14D	14D-7.5-8.0	8.0	6/19/85	OEPA						X		X	
14D	14D-9.0-9.5	9.5	6/19/85	OEPA				X			X	X	X
14D	14D-10.5-11.0	11.0	6/19/85	OEPA						X		X	
14D	14D-13.0-13.5	13.5	6/19/85	OEPA						X		X	
15D	15D-1.0-1.5	1.5	6/19/85	OEPA						X		X	
15D	15D-1.5-2.0	2.0	6/19/85	OEPA						X		X	
15D	15D-3.0-3.5	3.5	6/19/85	OEPA				X			X	X	X
15D	15D-4.0-4.5	4.5	6/19/85	OEPA						X		X	
15D	15D-7.5-8.0	8.0	6/19/85	OEPA						X		X	X
15D	15D-9.0-9.5	9.5	6/19/85	OEPA				X			X	X	
16D	16D-1.5-2.0	2.0	6/19/85	OEPA						X		X	
16D	16D-2.5-3.0	3.0	6/19/85	OEPA						X		X	
16D	16D-3.0-3.5	3.5	6/19/85	OEPA						X		X	
16D	16D-4.5-5.0	5.0	6/19/85	OEPA				X			X	X	X
16D	16D-6.0-6.5	6.5	6/19/85	OEPA						X		X	
16D	16D-7.0-7.5	7.5	6/19/85	OEPA						X		X	

NOTE: See last page of this table for footnotes.

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TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	7/23/92	ORG										X		
		FD										X		
		SPT										X		
	1/28/93	ORG										X		
LG-01	1/18/88	ORG									X	X		
	4/20/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
		LD									X	X		
	10/13/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/19/89	ORG									X	X		
		FD										X		
	1/12/87	ORG	X	X		X	X				X	X		
		FD	X	X		X	X				X	X		
	2/26/87	ORG									X	X		
	3/31/87	ORG									X	X		
	11/17/87	ORG									X	X		
	7/26/88	ORG									X	X		
	1/7/87	ORG	X	X		X	X				X	X		
	6/3/90	ORG									X	X		
		FD										X		
		SPT			X						X	X		
LG-02	2/2/89	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	2/9/89	ORG									X	X		
	2/10/89	ORG	X		X	X	X							
	5/19/89	ORG									X	X		
		FD										X		
	11/17/89	ORG									X	X		
	2/24/90	ORG										X		
	4/19/90	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
16D	16D-8.5-9.0	9.0	6/19/85	DEPA				X			X	X	X
16D	16D-9.0-9.5	9.5	6/19/85	OEPA				X			X	X	X
21D	21D-0-0.5	0.5	6/24/85	DEPA					X	X		X	
21D	21D-0.5-2.0	2.0	6/24/85	OEPA					X	X		X	
21D	21D-3.0-3.5	3.5	6/24/85	OEPA				X			X	X	X
21D	21D-5.5-6.0	6.0	6/24/85	DEPA					X	X		X	
21D	21D-6.0-6.5	6.5	6/24/85	OEPA					X	X		X	
21D	21D-7.5-8.0	8.0	6/24/85	OEPA					X	X		X	
21D	21D-9.0-9.5	9.5	6/24/85	OEPA				X			X	X	X
22D	22D-1.0-1.5	1.5	6/26/85	OEPA					X	X		X	
22D	22D-1.5-2.0	2.0	6/26/85	OEPA					X	X		X	
22D	22D-2.5-3.0	3.0	6/26/85	DEPA					X	X		X	
22D	22D-3.0-3.5	3.5	6/26/85	OEPA				X			X	X	X
22D	22D-4.5-5.0	5.0	6/26/85	OEPA					X	X		X	
22D	22D-6.0-6.5	6.5	6/26/85	OEPA					X	X		X	
22D	22D-7.5-8.0	8.0	6/26/85	OEPA					X	X		X	
22D	22D-9.0-9.5	9.5	6/26/85	OEPA				X			X	X	X
23D	23D-1.0-1.5	1.5	6/25/85	OEPA					X	X		X	
23D	23D-1.5-2.0	2.0	6/25/85	OEPA					X	X		X	
23D	23D-3.0-3.5	3.6	6/25/85	OEPA				X			X	X	X
23D	23D-4.0-4.5	4.5	6/25/85	OEPA					X	X		X	
23D	23D-6.0-6.5	6.5	6/25/85	OEPA					X	X		X	
23D	23D-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
23D	23D-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
24D	24D-1.0-1.5	1.5	6/25/85	OEPA					X	X		X	
24D	24D-1.5-2.0	2.0	6/25/85	DEPA					X	X		X	
24D	24D-2.5-3.0	3.0	6/25/85	OEPA					X	X		X	
24D	24D-4.5-5.0	5.0	6/25/85	OEPA				X			X	X	X
24D	24D-5.5-6.0	6.0	6/25/85	OEPA				X			X	X	X
24D	24D-6.0-6.5	6.5	6/25/85	OEPA					X	X		X	
24D	24D-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
24D	24D-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
24D	24D-9.5-11.0	11.0	6/25/85	OEPA					X	X		X	
24D	24D-11.5-12.5	12.5	6/25/85	OEPA				X			X	X	X
24D	24D-14.0-14.5	14.5	6/25/85	OEPA					X	X		X	
24D	24D-15.5-16.0	16.0	6/25/85	OEPA					X	X		X	
24D	24D-16.0-16.5	16.5	6/25/85	DEPA					X	X		X	
24D	24D-17.5-18.0	18.0	6/25/85	OEPA				X			X	X	X
24D	24D-19.0-19.5	19.5	6/25/85	OEPA					X	X		X	
25A	25A-0.0-2.0	2.0	6/19/85	OEPA						X		X	
25A	25A-2.5-3.0	3.0	6/19/85	OEPA						X		X	
25A	25A-3.0-3.5	3.5	6/19/85	OEPA						X		X	
25A	25A-4.5-5.0	5.0	6/19/85	OEPA				X			X	X	X
25A	25A-5.5-6.0	6.0	6/19/85	OEPA						X		X	
25A	25A-7.5-8.0	8.0	6/19/85	OEPA						X		X	

NOTE: See last page of this table for footnotes.

SCO973160022.XLS - rearranged

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	8/8/91	ORG									X	X		
	10/10/91	ORG		X	X	X	X	X	X	X	X	X	X	X
G-11	11/16/89	ORG									X	X		
	2/23/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	4/19/90	ORG									X	X		
	8/6/90	ORG									X	X		
	11/6/89	ORG				X	X		X		X	X		
G-12	11/15/89	ORG									X	X		
	2/23/90	ORG										X		
	4/19/90	ORG									X	X		
	8/4/90	ORG										X		
	10/27/89	ORG				X	X		X		X	X		
		FD									X	X		
		SPT			X						X	X		
G-13	10/26/89	ORG				X	X		X		X	X		
	11/15/89	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	2/23/90	ORG										X		
	4/19/90	ORG									X	X		
	8/6/90	ORG										X		
	11/30/90	ORG				X				X	X	X	X	X
		FD									X	X		
		SPT									X	X		
	11/21/91	ORG										X		
	4/24/91	ORG										X		
G-14	10/9/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	8/24/91	ORG									X	X		
G-15	8/22/91	ORG									X	X		
	10/8/91	ORG		X	X	X	X	X	X	X	X	X	X	X
G-16	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	11/29/95	ORG										X		X
	6/19/91	ORG									X	X		
G-17	7/3/91	ORG									X	X		
	10/11/91	ORG		X	X	X	X	X	X	X	X	X	X	X
G-18	11/29/95	ORG										X		X
	6/3/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
G-19	11/29/95	ORG										X		X
		FD										X		X
	10/10/91	ORG		X	X	X	X	X	X	X	X	X	X	X
		FD									X	X		
		SPT									X	X		
	7/26/91	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
25A	25A-9.0-9.5	9.5	6/19/85	OEPA				X			X	X	X
25D	25D-0.5-1.0	1.0	6/18/85	OEPA						X		X	
25D	25D-1.5-2.0	2.0	6/18/85	OEPA						X		X	
25D	25D-2.0-2.5	2.5	6/18/85	OEPA						X		X	
25D	25D-4.0-4.5	4.5	6/18/85	OEPA				X			X	X	X
25D	25D-5.5-6.0	6.0	6/18/85	OEPA						X		X	
25D	25D-7.0-7.5	7.5	6/18/85	OEPA						X		X	
25D	25D-9.0-9.5	9.5	6/18/85	OEPA				X			X	X	X
25D	25D-10.5-11.0	11.0	6/18/85	OEPA						X		X	
34D	34D-1.0-1.5	1.5	6/25/85	OEPA					X	X		X	
34D	34D-1.5-2.0	2.0	6/25/85	OEPA					X	X		X	
34D	34D-3.0-3.5	3.5	6/25/85	OEPA					X	X		X	
34D	34D-4.5-5.0	5.0	6/25/85	OEPA				X			X	X	X
34D	34D-6.0-6.5	6.5	6/25/85	OEPA					X	X		X	
34D	34D-7.0-7.5	7.5	6/25/85	OEPA					X	X		X	
34D	34D-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
34D	34D-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
35A	35A-1.0-1.5	1.5	6/25/85	OEPA					X	X		X	
35A	35A-3.0-3.5	3.5	6/25/85	OEPA					X	X		X	
35A	35A-4.0-4.5	4.5	6/25/85	OEPA					X	X		X	
35A	35A-4.5-5.0	5.0	6/25/85	OEPA				X			X	X	X
35A	35A-5.5-6.0	6.0	6/25/85	DEPA					X	X		X	
35A	35A-6.0-6.5	6.5	6/25/85	OEPA					X	X		X	
35A	35A-7.5-8.0	8.0	6/25/85	OEPA					X	X		X	
35A	35A-9.0-9.5	9.5	6/25/85	OEPA				X			X	X	X
35D	35D-1.0-1.5	1.5	6/18/85	OEPA						X		X	
35D	35D-1.5-2.0	2.0	6/18/85	OEPA				X			X	X	X
35D	35D-2.0-2.5	2.5	6/18/85	OEPA						X		X	
35D	35D-3.0-3.5	3.5	6/18/85	OEPA				X			X	X	X
35D	35D-4.0-4.5	4.5	6/18/85	OEPA						X		X	
35D	35D-5.5-6.0	6.0	6/18/85	OEPA						X		X	
35D	35D-6.0-6.5	6.5	6/18/85	OEPA						X		X	
35D	35D-9.0-9.5	9.5	6/18/85	OEPA				X			X	X	X
36D	36D-0.0-2.0	2.0	6/19/85	OEPA						X		X	
36D	36D-3.0-3.5	3.5	6/19/85	OEPA						X		X	
36D	36D-4.0-4.5	4.5	6/19/85	OEPA				X			X	X	X
36D	36D-4.5-5.0	5.0	6/19/85	OEPA						X		X	
36D	36D-6.0-6.5	6.5	6/19/85	OEPA						X		X	
36D	36D-7.5-8.0	8.0	6/19/85	OEPA						X		X	
36D	36D-8.5-9.0	9.0	6/19/85	DEPA				X			X	X	X
36D	36D-9.0-9.5	9.5	6/19/85	OEPA				X			X	X	X
46D	46D-1.0-1.5	1.5	6/18/85	OEPA						X		X	
46D	46D-1.5-2.0	2.0	6/18/85	OEPA						X		X	
46D	46D-3.0-3.5	3.5	6/18/85	OEPA						X		X	
46D	46D-4.5-5.0	5.0	6/18/85	OEPA				X			X	X	X

NOTE: See last page of this table for footnotes.

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TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	2/9/89	ORG	X		X	X	X				X	X		
	5/16/89	ORG									X	X		
	10/24/89	ORG									X	X		
	2/24/90	ORG										X		
	4/18/90	ORG									X	X		
G-07	1/30/89	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	2/6/89	ORG			X	X	X				X	X		
		SEPA									X	X		
	5/17/89	ORG									X	X		
		FD										X		
	10/24/89	ORG									X	X		
	2/23/90	ORG									X	X		
	4/18/90	ORG									X	X		
	11/30/90	ORG				X				X		X	X	X
	11/20/91	ORG										X		
	8/15/94	ORG										X		X
	4/24/91	ORG										X		
G-08	2/23/90	ORG										X		
	4/17/90	ORG									X	X		
	8/4/90	ORG										X		
	11/20/91	ORG										X		
	12/3/90	ORG				X				X		X	X	X
	4/24/91	ORG										X		
		FD										X		
		SPT										X		
	12/20/89	ORG				X	X		X		X	X		
	1/10/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
G-09	2/23/90	ORG										X		
	4/18/90	ORG									X	X		
	8/5/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	12/1/90	ORG										X		
	11/20/91	ORG										X		
	1/27/93	ORG										X		
		FD										X		
		SPT										X		
	4/24/91	ORG										X		X
	12/8/89	ORG				X	X		X		X	X		
	12/18/89	ORG									X	X		
	7/21/92	ORG										X		
G-10	11/30/95	ORG										X		X

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
46D	46D-6.0-6.5	6.5	6/18/85	OEPA						X		X	
46D	46D-6.5-7.0	7.0	6/18/85	OEPA						X		X	
46D	46D-10.0-10.5	10.5	6/18/85	DEPA				X			X	X	X
46D	46D-10.5-11.0	11.0	6/18/85	OEPA				X			X	X	X

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	1/19/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
		LD									X	X		
	4/20/88	ORG									X	X		
	10/13/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/18/89	ORG									X	X		
		FD										X		
NOTE	10/28/89	ORG									X	X		
	4/19/90	ORG									X	X		
	1/27/93	ORG										X		
	7/22/92	ORG										X		
	2/27/87	ORG									X	X		
		FD									X	X		
		LD									X	X		
	1/7/87	ORG	X	X	X	X	X				X	X		
	11/16/87	ORG									X	X		
	7/25/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
G-04	2/2/89	ORG									X	X		
	2/7/89	ORG	X		X	X	X				X	X		
		LD	X											
	5/16/89	ORG									X	X		
		FD										X		
	10/25/89	ORG									X	X		
	2/24/90	ORG									X	X		
	4/18/90	ORG									X	X		
	4/25/91	ORG										X		
	11/21/91	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	11/28/90	ORG				X				X		X	X	X
G-05	2/1/89	ORG									X	X		
	2/8/89	ORG	X		X	X	X				X	X		
		FD									X	X		
		SPT									X	X		
		LD	X		X	X	X							
	5/17/89	ORG									X	X		
	10/25/89	ORG									X	X		
	2/24/90	ORG										X		
	4/21/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
G-06	2/1/89	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
Part 2 Phase 1 1986	S201	S201-15.5-16.0	16.0	9/26/86	SEPA							X	X	X
	S201	S201-16.0	16.5	9/26/86	ORG							X	X	
	S201	S201-16.5-17.0	17.0	9/26/86	OEPA							X	X	X
	S201	S201-20.5	20.5	9/26/86	ORG							X	X	
	S201	S201-30.5	30.5	9/26/86	ORG							X	X	
	S201	S201-35.0	35.5	9/26/86	ORG							X	X	
	S201	S201-46.0	46.5	9/26/86	ORG							X	X	
	S201	S201-46.5	46.5	9/26/86	ORG							X	X	
	S201	S201-50.5	51.0	9/26/86	ORG							X	X	
	S201	S201-60.0	60.5	9/26/86	ORG							X	X	
	S201	S201-60.5-61.0	61.0	9/26/86	OEPA							X	X	X
	S202	S202-20.0	20.5	9/30/86	ORG							X	X	
	S202	S202-20.5	20.5	9/30/86	ORG							X	X	
	S202	S202-25.0	25.5	9/30/86	ORG							X	X	
	S202	S202-30.0	30.5	9/30/86	ORG							X	X	
	S202	S202-35.0	35.5	9/30/86	ORG							X	X	
	S202	S202-43.0	43.5	9/30/86	ORG							X	X	
	S202	S202-50.0	50.5	9/30/86	ORG							X	X	
	S202	S202-60.0	60.5	9/30/86	ORG							X	X	
	S203	S203-20.0	20.5	10/1/86	ORG							X	X	
	S203	S203-30.0	30.5	10/1/86	ORG							X	X	
	S203	S203-42.0	42.5	10/1/86	ORG							X	X	
	S203	S203-50.0	50.5	10/1/86	ORG							X	X	
	S203	S203-50.5	50.5	10/1/86	ORG							X	X	
	S203	S203-60.0	60.5	10/1/86	ORG							X	X	
	S204	S204-21.0	21.5	9/23/86	ORG							X	X	
	S204	S204-26.0	26.5	9/23/86	ORG							X	X	
	S204	S204-26.5	26.5	9/23/86	ORG							X	X	
	S204	S204-30.0	30.5	9/25/86	ORG							X	X	
	S204	S204-42.0	42.0	9/25/86	ORG							X	X	
	S204	S204-49.5-50.0	50.0	9/25/86	SEPA							X	X	X
	S204	S204-50.0	50.5	9/25/86	ORG							X	X	
	S204	S204-50.5-51.0	51.0	9/25/86	OEPA							X	X	X
	S204	S204-59.5	60.0	9/25/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	8/31/93	ORG										X		
BF-32A	11/29/95	ORG										X		X
		FD										X		X
BF-33	8/10/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
G-01	1/13/87	ORG	X	X	X	X	X				X	X		
	4/1/87	ORG									X	X		
	1/19/88	ORG									X	X		
	4/21/88	ORG									X	X		
	10/13/88	ORG									X	X		
	2/7/89	ORG									X	X		
	5/18/89	ORG									X	X		
		FD										X		
	11/16/89	ORG									X	X		
	4/20/90	ORG									X	X		
	12/1/90	ORG				X				X		X	X	X
	4/23/91	ORG										X		
	11/21/91	ORG										X		
	11/17/87	ORG									X	X		
		FD									X	X		
		LD									X	X		
	7/26/88	ORG									X	X		
	1/8/87	ORG	X	X	X	X	X				X	X		
		FD	X	X	X	X	X				X	X		
	2/27/87	ORG									X	X		
G-02	4/1/87	ORG									X	X		
		FD									X	X		
		LD									X	X		
	1/19/88	ORG									X	X		
	4/20/88	ORG									X	X		
	10/13/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/19/89	ORG									X	X		
	11/17/89	ORG									X	X		
	4/21/90	ORG									X	X		
	12/2/90	ORG				X				X		X	X	X
	4/23/91	ORG										X		
	11/21/91	ORG										X		
	1/12/87	ORG	X	X	X	X	X				X	X		
	2/26/87	ORG									X	X		
	11/17/87	ORG									X	X		
	7/26/88	ORG									X	X		
	1/7/87	ORG	X	X	X	X	X				X	X		
G-03	1/13/87	ORG	X	X	X	X	X				X	X		
		LD	X	X	X	X	X				X	X		
	4/1/87	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 80.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
Part 2 Phase 2A	S101A	S101A-69.3	69.3	11/1/88	ORG	X						X	X	
1988	S101A	S101A-89.3	89.3	11/1/88	ORG	X						X	X	
	S101A	S101A-126.5	126.5	11/2/88	ORG	X						X	X	
	S301	S301-19.7	19.7	10/24/88	ORG	X						X	X	
	S301	S301-28.0	28.0	10/24/88	ORG	X						X	X	
	S301	S301-39.2	39.2	10/25/88	ORG	X						X	X	
	S301	S301-39.7	39.7	10/25/88	ORG	X						X	X	
	S301	S301-39.7	39.7	10/25/88	FD	X						X	X	
	S301	S301-50.3	50.3	10/25/88	ORG	X						X	X	
	S301	S301-60.4	60.4	10/25/88	ORG	X						X	X	
	S301	S301-60.4-60.9	60.9	10/25/88	OEPA							X		
	S301A	S301A-72.6	72.6	10/14/88	ORG	X						X	X	
	S301A	S301A-79.6	79.6	10/14/88	ORG							X	X	
	S301A	S301A-82.1	82.1	10/14/88	ORG	X						X	X	
	S301A	S301A-89.7	89.7	10/14/88	ORG	X						X	X	
	S301A	S301A-127.8	127.8	10/15/88	ORG	X						X	X	
	S301B	S301B-9.2	9.2	10/28/88	ORG	X						X	X	
	S302A	S302A-73.5	73.5	10/17/88	ORG	X						X	X	
	S302A	S302A-79.6	79.6	10/18/88	ORG	X						X	X	
	S302A	S302A-125.3	125.3	10/18/88	ORG	X						X	X	
	S302E	S302E-5.1	5.1	10/27/88	ORG	X		X		X				
	S302E	S302E-8.3	8.3	10/27/88	ORG	X						X	X	
	S302E	S302E-8.8	8.8	10/27/88	FD	X						X	X	
	S302F	S302F-5.9	5.9	10/28/88	ORG	X		X		X				
	S302F	S302F-9.1	9.1	10/28/88	ORG	X						X	X	
	S302F	S302F-21.8	21.8	10/28/88	ORG	X						X	X	
	S302F	S302F-22.3	22.3	10/28/88	ORG	X		X		X				
	S302F	S302F-31.3	31.3	10/28/88	ORG	X						X	X	
	S302F	S302F-31.8	31.8	10/28/88	ORG	X		X		X				
	S302F	S302F-39.2	39.2	10/28/88	ORG	X						X	X	
	S302F	S302F-39.7	39.7	10/28/88	FD	X						X	X	
	S302F	S302F-49.2	49.2	10/28/88	ORG	X						X	X	
	S302F	S302F-49.7	49.7	10/28/88	ORG	X		X		X				
	S302F	S302F-59.2	59.2	10/28/88	ORG	X						X	X	
	S303	S303-8.4	8.4	9/19/88	ORG	X						X	X	
	S303	S303-18.4	18.4	9/19/88	ORG	X						X	X	
	S303	S303-25.7	25.7	9/19/88	ORG	X						X	X	
	S303	S303-36.7	36.7	9/19/88	ORG	X						X	X	
	S303	S303-48.0	48.0	9/19/88	ORG	X						X	X	
	S303	S303-48.0-48.5	48.5	9/19/88	OEPA							X	X	
	S303	S303-48.0-48.5	48.5	9/19/88	SEPA							X	X	
	S303	S303-54.7	54.7	9/19/88	ORG	X						X	X	
	S303	S303-55.2	55.2	9/19/88	FD	X						X	X	
	S303	S303-129.6	129.6	9/21/88	ORG							X	X	
	S303A	S303A-83.5	83.5	10/27/88	ORG	X						X	X	

NOTE: See last page of this table for footnotes.

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TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
		FD									X	X		
		SPT			X						X	X		
	1/10/90	ORG									X	X		
	2/23/90	ORG										X		
	4/19/90	ORG									X	X		
	8/4/90	ORG										X		
	11/29/90	ORG				X				X	X	X	X	X
		FD				X				X	X	X	X	X
		SPT									X	X		
	4/24/91	ORG										X		
BF-18	8/7/91	ORG									X	X		
	10/10/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	12/1/95	ORG										X		X
BF-19	7/2/91	ORG									X	X		
	10/9/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-20	8/21/91	ORG									X	X		
	10/11/91	ORG		X	X	X	X	X	X	X	X	X	X	X
		FD									X	X		
		SPT									X	X		
BF-21	5/30/91	ORG									X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
		FD									X	X		
		SPT									X	X		
BF-22	6/18/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
		FD									X	X		
		SPT									X	X		
BF-23	6/19/91	ORG									X	X		
	10/10/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-24	5/31/91	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	10/10/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	12/1/95	ORG										X		X
BF-25	7/2/91	ORG									X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-26	9/9/91	ORG									X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	7/21/92	ORG										X		
		FD										X		
		SPT										X		
	1/28/93	ORG										X		
		FD										X		
		SPT										X		
	11/27/95	ORG										X		X
		SPT										X		X
BF-27	7/25/91	ORG									X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-28	7/25/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-29	8/8/91	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X	X	X
BF-30	8/21/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	7/21/92	ORG										X		
	11/27/95	ORG										X		X
BF-31	8/23/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X
	7/21/92	ORG										X		
	1/27/93	ORG										X		
	11/27/95	ORG										X		
BF-32	10/2/91	ORG									X	X		
	10/16/91	ORG		X	X	X	X	X	X	X	X	X	X	X

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
S303A	S303A-89.1	89.1	10/27/88	ORG	X						X	X	
S303A	S303A-91.6	91.6	10/27/88	ORG	X						X	X	
S304	S304-9.2	9.2	10/26/88	ORG	X						X	X	
S304	S304-19.7	19.7	10/26/88	ORG	X						X	X	
S304	S304-29.6	29.6	10/26/88	ORG	X						X	X	
S304	S304-30.1	30.1	10/26/88	FD	X						X	X	
S304	S304-38.3	38.3	10/26/88	ORG	X						X	X	
S304	S304-44.1	44.1	10/26/88	ORG	X						X	X	
S304	S304-51.7	51.7	10/26/88	ORG	X						X	X	
S304	S304-58.8	58.8	10/26/88	ORG	X						X	X	
S304A	S304A-78.3	78.3	10/13/88	ORG	X						X	X	
S304A	S304A-81.0	81.0	10/13/88	ORG	X						X	X	
S305	S305-5.0	5.0	9/26/88	ORG	X		X		X				
S305	S305-7.8	7.8	9/26/88	ORG	X						X	X	
S305	S305-7.8-8.3	8.3	9/26/88	SEPA							X	X	
S305	S305-14.6	14.6	9/26/88	ORG	X						X	X	
S305	S305-24.3	24.3	9/26/88	ORG	X		X		X		X	X	
S305	S305-34.3	34.3	9/26/88	ORG	X		X		X		X	X	
S305	S305-37.0	37.0	9/26/88	ORG	X						X	X	
S305	S305-44.3	44.3	9/26/88	ORG	X						X	X	
S305	S305-44.8	44.8	9/26/88	ORG	X						X	X	
S305	S305-44.8	44.8	9/26/88	FD	X						X	X	
S305	S305-54.3	54.3	9/26/88	ORG	X		X		X		X	X	
S305	S305-64.3	64.3	9/26/88	ORG	X						X	X	
S305	S305-74.7	74.7	9/26/88	ORG	X						X	X	
S305A	S305A-73.2	73.2	10/16/88	ORG	X						X	X	
S305A	S305A-81.5	81.5	10/16/88	ORG	X						X	X	
S305A	S305A-90.9	90.9	10/16/88	ORG	X						X	X	
S305A	S305A-129.3	129.3	10/17/88	ORG	X						X	X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
		FD									X	X		
		SPT									X	X		
	11/17/89	ORG									X	X		
	2/24/90	ORG									X	X		
	4/19/90	ORG									X	X		
	7/23/92	ORG										X		
	1/26/93	ORG										X		
	11/30/95	ORG			X		X					X		X
BF-10	12/8/89	ORG				X	X		X		X	X		X
	12/19/89	ORG									X	X		
	2/23/90	ORG										X		
	4/18/90	ORG									X	X		
	8/5/90	ORG										X		
	12/1/90	ORG										X		
	4/24/91	ORG										X		X
	11/20/91	ORG										X		
BF-11	12/7/89	ORG				X	X		X		X	X		X
	12/19/89	ORG									X	X		
	2/23/90	ORG										X		
	4/17/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	8/4/90	ORG									X	X		
BF-12	12/7/89	ORG				X	X		X		X	X		X
		FD									X	X		
	12/19/89	ORG									X	X		
	2/23/90	ORG										X		
	4/19/90	ORG									X	X		
	8/4/90	ORG										X		
	12/2/90	ORG										X		
	4/24/91	ORG										X		X
	11/20/91	ORG										X		
BF-13	11/6/89	ORG				X	X		X		X	X		X
		FD									X	X		
		SPT			X						X	X		
	11/16/89	ORG									X	X		
	2/23/90	ORG										X		
	4/19/90	ORG									X	X		
	8/6/90	ORG										X		
BF-14	10/26/89	ORG				X	X		X		X	X		X
		FD									X	X		
		SPT			X						X	X		
	11/15/89	ORG									X	X		
	2/23/90	ORG										X		
	4/18/90	ORG									X	X		
	8/5/90	ORG										X		
BF-15	10/26/89	ORG				X	X		X		X	X		X
	11/14/89	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	2/22/90	ORG									X	X		
	4/17/90	ORG									X	X		
	8/4/90	ORG									X	X		
BF-16	12/19/89	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	1/10/90	ORG				X	X		X		X	X		X
	2/23/90	ORG										X		
	4/17/90	ORG									X	X		
	8/4/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	11/29/90	ORG				X				X		X	X	X
	4/24/91	ORG										X		
BF-17	12/20/89	ORG				X	X		X		X	X		X

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
OFF-PROPERTY	S015	S015-0-6.0	0.6	6/16/83	ORG						X			
Pre-Part 1	S015	S015-0-6.0	0.6	6/16/83	FD						X			
1983	S015	S015-17.0-18.0	1.6	6/16/83	ORG						X			
	S016	S016-0-6.0	0.6	6/16/83	ORG						X			
	S016	S016-15.0-16.0	1.4	6/16/83	ORG						X			
	S019	S019-0-6.0	0.6	6/16/83	ORG						X			
	S019	S019-17.0-18.0	1.6	6/16/83	ORG						X			
	S019A	S019A-22.0-28.0	2.4	8/9/83	ORG						X			
	S019A	S019A-36.0-48.0	4.0	8/9/83	ORG						X			
	S021	S021-0-6.0	0.6	6/16/83	ORG						X			
	S021	S021-12.0-13.0	1.1	6/16/83	ORG						X			
	S021A	S021A-24.0-36.0	3.0	8/10/83	ORG						X			
	S021A	S021A-45.0-57.0	4.6	8/10/83	ORG						X			
	S022	S022-0-6.0	0.6	6/16/83	ORG						X			
	S022	S022-12.0-13.0	1.1	6/16/83	ORG						X			
	S022A	S022A-21.0-33.0	2.8	8/10/83	ORG						X			
	S022A	S022A-48.0-60.0	5.0	8/10/83	ORG						X			
	S025	S025-0-6.0	0.6	8/9/83	ORG						X			
	S025	S025-22.0-26.0	2.2	8/9/83	ORG						X			
	S026	S026-0-6.0	0.6	8/9/83	ORG						X			
	S026	S026-21.0-24.0	2.0	8/9/83	ORG						X			
	S027	S027-0-6.0	0.6	8/9/83	ORG						X			
	S027	S027-22.0-26.0	2.2	8/9/83	ORG						X			
	S028	S028-20.0-32.0	2.8	8/10/83	ORG						X			
	S028	S028-49.0-61.0	5.1	8/10/83	ORG						X			

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	4/21/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
		LD									X	X		
	7/27/88	ORG									X	X		
	10/14/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/16/89	ORG									X	X		
	10/26/89	ORG									X	X		
	4/20/90	ORG									X	X		
	11/29/90	ORG				X				X	X	X	X	X
	4/23/91	ORG									X	X		
	11/19/91	ORG									X	X		
		FD									X	X		
		SPT									X	X		
BF-05	2/2/89	ORG									X	X		
	2/6/89	SEPA									X	X		
	2/7/89	ORG	X		X	X	X				X	X		
		FD									X	X		
		SPT									X	X		
		LD			X	X	X							
	5/16/89	ORG									X	X		
		FD										X		
	10/25/89	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	2/24/90	ORG										X		
	4/18/90	ORG									X	X		
	4/25/91	ORG									X	X		X
	11/21/91	ORG									X	X		
BF-06	2/1/89	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	2/8/89	ORG	X		X	X	X				X	X		
	5/17/89	ORG									X	X		
	10/25/89	ORG									X	X		
	2/24/90	ORG									X	X		
	4/21/90	ORG									X	X		
BF-07	2/1/89	ORG									X	X		
	2/9/89	ORG	X		X	X	X				X	X		
	5/16/89	ORG									X	X		
	10/24/89	ORG									X	X		
	2/24/90	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	4/17/90	ORG									X	X		
	4/25/91	ORG									X			X
	11/20/91	ORG									X			
BF-08	1/30/89	ORG									X	X		
	2/6/89	ORG			X	X	X				X	X		
		FD									X	X		
		SPT									X	X		
		LD	X		X	X	X							
	5/17/89	ORG									X	X		
	10/24/89	ORG									X	X		
	2/23/90	ORG									X	X		
	4/18/90	ORG									X	X		
	11/30/90	ORG				X				X	X	X	X	X
	4/24/91	ORG										X		
	11/20/91	ORG										X		
	8/15/94	ORG										X		X
BF-09	2/2/89	ORG									X	X		
	2/9/89	ORG									X	X		
	2/10/89	ORG	X			X	X							
	5/18/89	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
Part 1	VANNESS	VAN-DEL-DEEP		6/19/85	OEPA							X	X	
(Metcalf & Eddy)	VANNESS	VAN-DEL-SURF		6/19/85	OEPA							X	X	
1985	VANNESS	VAN-NOR-SURF		6/19/85	OEPA				X					
	VANNESS	VAN-NOR-SURF DEEP		6/19/85	OEPA				X					
	ARTESIA	ART-NOR-SURF		6/19/85	OEPA				X				X	
	ARTESIA	ART-NOR-DEEP		6/19/85	OEPA								X	
	ARTESIA	ART-NOR-SURF DEEP		NA	OEPA								X	

NOTE: See last page of this table for footnotes.

SCO973160022.XLS - rearranged

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1, or Lab Meter	pH using EPA Methods 9040 or 150.1, or Lab Meter	Metals (a)	Common Ions (b)	Surfactants using EPA Method 425.1	Total Dissolved Solids using EPA Method 160.1	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
BF-01	1/8/87	ORG	X	X	X	X	X				X	X		
	1/13/87	ORG	X	X	X	X	X				X	X		
		FD	X	X	X	X	X				X	X		
	2/27/87	ORG									X	X		
	4/1/87	ORG									X	X		
	11/18/87	ORG									X			
	1/20/88	ORG									X	X		
	4/19/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
		LD									X	X		
	7/27/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
	10/14/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/19/89	ORG									X	X		
		FD										X		
	11/18/89	ORG									X	X		
		FD									X	X		
		SPT			X						X	X		
	4/18/90	ORG									X	X		
BF-02	1/7/87	ORG	X	X	X	X	X				X	X		
		FD	X	X	X	X	X				X	X		
	1/13/87	ORG	X	X	X	X	X				X	X		
	2/27/87	ORG									X	X		
	4/1/87	ORG									X	X		
	11/16/87	ORG									X	X		
		FD									X	X		
		LD									X	X		
	1/19/88	ORG									X	X		
	4/20/88	ORG									X	X		
	7/27/88	ORG									X	X		
	10/13/88	ORG									X	X		
	2/8/89	ORG									X	X		
	5/18/89	ORG									X	X		
	10/26/89	ORG									X	X		
	4/20/90	ORG									X	X		
BF-03	1/8/87	ORG	X	X	X	X	X				X	X		
	1/13/87	ORG	X	X	X	X	X				X	X		
	2/27/87	ORG									X	X		
	4/1/87	ORG									X	X		
	11/18/87	ORG									X	X		
	1/20/88	ORG									X	X		
		FD									X	X		
		SPT									X	X		
		LD										X		
	4/21/88	ORG									X	X		
	7/27/88	ORG									X	X		
	10/14/88	ORG									X	X		
NOTE		FD									X	X		
		SPT									X	X		
	2/8/89	ORG									X	X		
	5/18/89	ORG									X	X		
	10/26/89	ORG									X	X		
	4/20/90	ORG									X	X		
BF-04	1/8/87	ORG	X	X	X	X	X				X	X		
		LD		X	X	X	X					X		
	1/13/87	ORG	X	X	X	X	X				X	X		
	2/27/87	ORG									X	X		
	4/2/87	ORG									X	X		
		FD									X	X		
		LD									X	X		
	11/18/87	ORG									X	X		
	1/20/88	ORG									X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

Part 2 Phase 1
Round 1
1986

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
MD001	MD001-1.0	1.0	4/30/86	ORG								X	
MD001	MD001-2.5	2.5	4/30/86	ORG								X	
MD001	MD001-3.5	3.5	4/30/86	ORG								X	
MD001	MD001-5.0	5.0	4/30/86	ORG							X		
MD001	MD001-5.5	5.5	4/30/86	ORG							X		
MD002	MD002-0.5-1.0	1.0	4/30/86	OEPA							X	X	X
MD002	MD002-1.5	1.5	4/30/86	ORG							X		
MD002	MD002-2.75	2.8	4/30/86	ORG							X		
MD002	MD002-2.75-3.25	3.3	4/30/86	DEPA							X	X	X
MD002	MD002-3.75	3.8	4/30/86	ORG							X		
MD002	MD002-5.0	5.0	4/30/86	ORG							X	X	
MD002	MD002-5.5	5.5	4/30/86	ORG							X	X	
MD003	MD003-1.25	1.3	5/19/86	ORG							X	X	
MD003	MD003-2.25	2.3	5/19/86	ORG							X	X	
MD003	MD003-3.5	3.5	5/19/86	ORG							X	X	
MD003	MD003-4.25	4.3	5/19/86	ORG							X	X	
MD003	MD003-5.0	5.0	5/19/86	ORG							X	X	
MD004	MD004-0.25	0.3	4/30/86	ORG							X	X	
MD004	MD004-2.0	2.0	4/30/86	ORG							X	X	
MD004	MD004-3.75	3.8	4/30/86	ORG							X	X	
MD004	MD004-4.25	4.3	4/30/86	ORG							X	X	
MD004	MD004-5.75	5.8	4/30/86	ORG							X	X	
MD004	MD004-6.25	6.3	4/30/86	ORG							X	X	
MD005	MD005-1.0	1.0	4/29/86	ORG							X		
MD005	MD005-3.0	3.0	4/29/86	ORG							X		
MD005	MD005-3.5	3.5	4/29/86	ORG							X		
MD005	MD005-4.5	4.5	4/29/86	ORG							X		
MD005	MD005-5.5	5.5	4/29/86	ORG							X		
MD006	MD006-0.0-0.5	0.5	4/29/86	DEPA							X	X	X
MD006	MD006-1.0	1.0	4/29/86	ORG							X		
MD006	MD006-1.0-1.5	1.5	4/29/86	OEPA							X	X	X
MD006	MD006-3.0	3.0	4/29/86	ORG							X		
MD006	MD006-3.5	3.5	4/29/86	ORG							X		
MD006	MD006-4.75	4.8	4/29/86	ORG							X		
MD006	MD006-5.25	5.3	4/29/86	ORG							X		
MD006	MD006-5.75	5.8	4/29/86	ORG							X	X	
JC001	JC001-2.0	2.0	5/1/86	ORG							X	X	
JC001	JC001-3.25	3.3	5/1/86	ORG							X	X	
JC001	JC001-3.25-3.75	3.8	5/1/86	SEPA							X	X	X
JC001	JC001-4.25	4.3	5/1/86	ORG							X	X	
JC001	JC001-5.75	5.8	5/1/86	ORG							X	X	
JC001	JC001-6.25	6.3	5/1/86	ORG							X	X	
JC002	JC002-1.0	1.0	5/1/86	ORG							X	X	
JC002	JC002-1.5	1.5	5/1/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

SCO973160022.XLS - rearranged

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	2/25/90	ORG								X		
	4/17/90	ORG							X	X		
	8/4/90	ORG								X		
	12/1/95	ORG								X		X
MW-25	10/26/89	ORG				X	X		X	X		X
	11/16/89	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	2/22/90	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	4/17/90	ORG							X	X		
	8/6/90	ORG							X	X		
	12/1/95	ORG								X		X
		FD								X		X
MW-26	10/28/89	ORG				X	X		X	X		X
		FD							X	X		
		SPT			X				X	X		
	11/15/89	ORG							X	X		
	2/24/90	ORG								X		
	4/17/90	ORG							X	X		
	8/4/90	ORG								X		
	12/1/90	ORG							X	X		
	4/25/91	ORG							X	X		X
	11/19/91	ORG							X	X		
	12/1/95	ORG								X		X
MW-27	10/9/91	ORG		X	X	X	X	X	X	X	X	X
		FD							X	X		
		SPT							X	X		
	12/2/95	ORG								X		X
	8/24/91	ORG							X	X		
MW-28	11/19/91	ORG							X	X		
	11/21/91	ORG		X	X	X	X	X	X	X	X	X
MW-29	10/3/91	ORG							X	X		
	10/9/91	ORG		X	X	X	X	X	X	X	X	X
MW-30	10/3/91	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	10/17/91	ORG		X	X	X	X	X	X	X	X	X
	7/22/92	ORG								X		
	1/26/93	ORG								X		
		FD								X		
		SPT								X		
UBT-01	5/30/90	ORG							X	X		
	6/3/90	ORG							X	X		
	6/4/90	ORG							X	X		
	6/5/90	ORG							X	X		
	6/6/90	ORG							X	X		
	6/7/90	ORG							X	X		
	6/8/90	ORG							X	X		
UBT-03	12/4/95	ORG								X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
JC002	JC002-3.25	3.3	5/1/86	ORG							X	X	
JC002	JC002-3.75	3.8	5/1/86	ORG							X	X	
JC002	JC002-5.0	5.0	5/1/86	ORG							X	X	
JC002	JC002-5.5	5.5	5/1/86	ORG							X	X	
JC003	JC003-1.75	1.8	5/1/86	ORG							X	X	
JC003	JC003-2.25	2.3	5/1/86	ORG							X	X	
JC003	JC003-2.75	2.8	5/1/86	ORG							X	X	
JC003	JC003-3.75	3.8	5/1/86	ORG							X	X	
JC003	JC003-4.25	4.3	5/1/86	ORG							X	X	
JC003	JC003-5.0-5.5	5.5	5/1/86	OEPA							X	X	X
JC003	JC003-5.5-6.0	6.0	5/1/86	DEPA							X	X	X
JC003	JC003-6.5	6.5	5/1/86	ORG							X	X	
JC004	JC004-1.25	1.3	5/1/86	ORG							X	X	
JC004	JC004A-2.33	2.3	5/1/86	ORG							X	X	
JC004	JC004-3.0	3.0	5/1/86	ORG							X	X	
JC004	JC004-3.0-3.5	3.5	5/1/86	SEPA							X	X	X
JC004	JC004-4.0	4.0	5/1/86	ORG							X	X	
JC004	JC004-5.5	5.5	5/1/86	ORG							X	X	
JC005	JC005-1.0	1.0	4/30/86	ORG							X	X	
JC005	JC005-2.5	2.5	4/30/86	ORG							X	X	
JC005	JC005-3.0	3.0	4/30/86	ORG							X	X	
JC005	JC005-3.5	3.5	4/30/86	ORG							X	X	
JC005	JC005-5.0	5.0	4/30/86	ORG								X	
JC005	JC005-5.5	5.5	4/30/86	ORG								X	
SP001A	SP001A-5.5	5.5	5/7/86	ORG							X	X	
SP001A	SP001A-6.0	6.0	5/7/86	ORG							X	X	
SP001A	SP001A-7.5	7.5	5/7/86	ORG							X	X	
SP001A	SP001A-3.25	3.25	5/7/86	ORG							X	X	
SP001A	SP001A-3.75	3.75	5/7/86	ORG							X	X	
SP002	SP002-1.0	1.0	5/8/86	ORG							X	X	
SP002	SP002-1.0-1.5	1.5	5/8/86	SEPA							X	X	X
SP002	SP002-2.0	2.0	5/8/86	ORG							X	X	
SP002	SP002-3.25	3.3	5/8/86	ORG							X	X	
SP002	SP002-3.75	3.8	5/8/86	FD							X	X	
SP002	SP002-4.25	4.3	5/8/86	ORG							X	X	
SP002	SP002-5.5	5.5	5/8/86	ORG							X	X	
T031	T031-2.0	2.0	5/8/86	ORG							X	X	
T031	T031-2.75	2.8	5/8/86	ORG							X	X	
T031	T031-2.75-3.25	3.3	5/8/86	SEPA							X	X	X
T031	T031-3.75	3.8	5/8/86	ORG							X	X	
T031	T031-4.75	4.8	5/8/86	ORG							X	X	
T031	T031-5.25	5.3	5/8/86	ORG							X	X	
T031	T031-5.75	5.8	5/8/86	FD							X	X	
T032	T032-0.5-1.0	1.0	5/8/86	SEPA							X	X	X
T032	T032-1.0	1.0	5/8/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

SCO973160022.XLS - rearranged

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	4/17/90	ORG							X	X		
	12/2/90	ORG				X		X	X		X	X
	4/25/91	ORG							X			
	11/19/91	ORG							X			
MW-15	1/30/89	ORG							X	X		
	2/6/89	ORG			X	X	X		X	X		
	5/17/89	ORG							X	X		
	10/24/89	ORG							X	X		
	2/23/90	ORG							X	X		
	4/18/90	ORG							X	X		
	8/15/94	ORG								X		X
MW-16	4/5/90	ORG		X	X	X	X		X	X		
	4/16/90	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	8/5/90	ORG								X		
	11/30/90	ORG							X	X		
	4/25/91	ORG							X	X		
	11/20/91	ORG							X	X		
MW-17	4/5/90	ORG		X	X	X	X		X	X		
	4/16/90	ORG							X	X		
	8/5/90	ORG							X	X		
	12/1/95	ORG								X		X
MW-18	4/5/90	ORG		X	X	X	X		X	X		
	4/20/90	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	8/6/90	ORG								X		
MW-19	4/5/90	ORG		X	X	X	X		X	X		
	4/20/90	ORG							X	X		
	4/25/91	ORG							X	X		
	8/6/90	ORG								X		
	11/29/90	ORG				X		X	X	X	X	X
	11/19/91	ORG							X	X		
	11/30/95	ORG								X		X
MW-20	4/6/90	ORG							X	X		
	8/6/90	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
MW-21	4/5/90	ORG		X	X	X	X		X	X		
	8/6/90	ORG								X		
MW-22	4/5/90	ORG		X	X	X	X		X	X		
		FD							X	X		
		SPT			X				X	X		
	4/19/90	ORG							X	X		
	8/5/90	ORG								X		
MW-23	10/26/89	ORG				X	X		X	X		X
	11/14/89	ORG							X	X		
	2/25/90	ORG								X		
	4/18/90	ORG							X	X		
	8/5/90	ORG								X		
	12/3/90	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	4/25/91	ORG							X	X		X
	11/21/91	ORG							X	X		
MW-24	10/26/89	ORG				X	X		X	X		X
	11/14/89	ORG							X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1991	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
T032	T032-2.0	2.0	5/8/86	ORG							X	X	
T032	T032-3.25	3.3	5/8/86	ORG								X	
T032	T032-3.25-3.75	3.8	5/8/86	DEPA							X	X	X
T032	T032-4.25	4.3	5/8/86	ORG								X	
T032	T032-5.75	5.8	5/8/86	ORG								X	
T033	T033-1.0	1.0	5/8/86	ORG								X	
T033	T033-1.0-1.5	1.5	5/8/86	SEPA							X	X	X
T033	T033-2.0	2.0	5/8/86	ORG								X	
T033	T033-3.25	3.3	5/8/86	ORG							X	X	
T033	T033-4.25	4.3	5/8/86	ORG							X	X	
T033	T033-5.75	5.8	5/8/86	ORG							X	X	
T041	T041-1.5	1.5	5/9/86	ORG								X	
T041	T041-2.0	2.0	5/9/86	FD								X	
T041	T041-3.5	3.5	5/9/86	ORG								X	
T041	T041-4.75	4.8	5/9/86	ORG								X	
T041	T041-5.25	5.3	5/9/86	ORG								X	
T041	T041-5.75	5.8	5/9/86	ORG							X	X	
T042	T042-1.0	1.0	5/9/86	ORG							X	X	
T042	T042-1.5	1.5	5/9/86	FD							X	X	
T042	T042-2.0	2.0	5/9/86	ORG							X	X	
T042	T042-3.25	3.3	5/9/86	ORG							X	X	
T042	T042-4.25	4.3	5/9/86	ORG							X	X	
T042	T042-5.25	5.3	5/9/86	ORG							X	X	
T043	T043-1.5	1.5	5/9/86	ORG							X	X	
T043	T043-2.0	2.0	5/9/86	ORG							X	X	
T043	T043-3.75	3.8	5/9/86	ORG							X	X	
T043	T043-5.0	5.0	5/9/86	ORG							X	X	
T043	T043-5.5	5.5	5/9/86	ORG							X	X	
T043	T043-6.0	6.0	5/9/86	FD							X	X	
T044	T044-1.0	1.0	5/9/86	ORG							X	X	
T044	T044-2.0	2.0	5/9/86	ORG							X	X	
T044	T044-3.75	3.8	5/9/86	ORG							X	X	
T044	T044-4.25	4.3	5/9/86	ORG							X	X	
T044	T044-5.75	5.8	5/9/86	ORG							X	X	
T045	T045-1.0	1.0	5/9/86	ORG							X	X	
T045	T045-1.5	1.5	5/9/86	ORG							X	X	
T045	T045-2.0	2.0	5/9/86	ORG							X	X	
T045	T045-3.25	3.3	5/9/86	ORG							X	X	
T045	T045-4.25	4.3	5/9/86	ORG							X	X	
T045	T045-5.75	5.8	5/9/86	ORG							X	X	
T051	T051-1.0	1.0	5/9/86	ORG							X	X	
T051	T051-1.5	1.5	5/9/86	FD							X	X	
T051	T051-2.0	2.0	5/9/86	ORG							X	X	
T051	T051-3.25	3.3	5/9/86	ORG							X	X	
T051	T051-4.25	4.3	5/9/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	10/27/89	ORG							X	X		
	5/12/89	ORG	X		X	X	X		X	X		
		FD							X	X		
		SPT							X	X		
		SEPA							X	X		
		RASE							X			
MW-10	2/3/89	ORG							X	X		
	2/10/89	ORG	X		X	X	X		X	X		
		FD							X	X		
		LD	X		X	X	X					
	5/16/89	ORG							X	X		
	2/22/90	ORG								X		
	4/20/90	ORG							X	X		
	10/27/89	ORG							X	X		
MW-11	2/3/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	2/10/89	ORG	X		X	X	X		X	X		
	5/18/89	ORG							X	X		
	10/27/89	ORG							X	X		
	2/25/90	ORG							X	X		
	4/18/90	ORG							X	X		
MW-12	2/2/89	ORG							X	X		
	2/7/89	ORG	X		X	X	X		X	X		
	5/16/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	10/25/89	ORG							X	X		
	2/24/90	ORG							X	X		
	4/18/90	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	4/23/91	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	11/21/91	ORG							X	X		
	11/28/90	ORG				X		X	X	X	X	X
		FD							X	X		
		SPT							X	X		
	12/2/95	ORG							X	X		X
MW-13	2/1/89	ORG							X	X		
	2/8/89	ORG	X		X	X	X		X	X		
	5/17/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	10/25/89	ORG							X	X		
	2/24/90	ORG							X	X		
	4/21/90	ORG							X	X		
MW-14	2/1/89	ORG							X	X		
	2/9/89	ORG	X		X	X	X		X	X		
		FD							X	X		
		SPT							X	X		
		LD	X			X	X					
	5/16/89	ORG							X	X		
	10/24/89	ORG							X	X		
		FD							X	X		
		SPT			X				X	X		
	2/24/90	ORG							X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
T051	T051-5.25	5.3	5/9/86	ORG							X	X	
T052	T052-2.0	2.0	5/9/86	ORG							X	X	
T052	T052-3.75	3.8	5/9/86	ORG							X	X	
T052A	T052A-1.25	1.3	5/9/86	ORG							X	X	
T052A	T052A-3.25	3.3	5/9/86	ORG							X	X	
T052A	T052A-4.25	4.3	5/9/86	ORG							X	X	
T053	T053-1.0	1.0	5/9/86	ORG							X	X	
T053	T053-2.0	2.0	5/9/86	ORG							X	X	
T053	T053-3.0	3.0	5/9/86	ORG							X	X	
T053	T053-4.0	4.0	5/9/86	ORG							X	X	
T053	T053-5.0	5.0	5/9/86	ORG							X	X	
T054	T054-1.0	1.0	5/9/86	ORG							X	X	
T054	T054-2.0	2.0	5/9/86	ORG							X	X	
T054	T054-3.0	3.0	5/9/86	ORG							X	X	
T054	T054-4.0	4.0	5/9/86	ORG							X	X	
T054	T054-5.0	5.0	5/9/86	ORG							X	X	
T061	T061-1.25	1.3	5/7/86	ORG							X	X	
T061	T061-1.75	1.8	5/7/86	ORG							X	X	
T061	T061-2.75	2.8	5/7/86	ORG							X	X	
T061	T061-3.25	3.3	5/7/86	FD							X	X	
T061	T061-3.75	3.8	5/7/86	ORG							X	X	
T061	T061-4.75	4.8	5/7/86	ORG							X	X	
T061	T061-5.25	5.3	5/7/86	FD							X	X	
T062	T062-0.75	0.8	5/7/86	ORG							X	X	
T062	T062-1.75	1.8	5/7/86	ORG							X	X	
T062	T062-2.75	2.8	5/7/86	ORG							X	X	
T062	T062-3.75	3.8	5/7/86	ORG							X	X	
T062	T062-5.0	5.0	5/7/86	ORG							X	X	
T063	T063-1.25	1.3	5/7/86	ORG							X	X	
T063	T063-1.75	1.8	5/7/86	ORG							X	X	
T063	T063-2.75	2.8	5/7/86	ORG							X	X	
T063	T063-3.75	3.8	5/7/86	ORG							X	X	
T063	T063-5.25	5.3	5/7/86	ORG							X	X	
T064	T064-1.0	1.0	5/7/86	ORG							X	X	
T064	T064-2.0	2.0	5/7/86	ORG							X	X	
T064	T064-3.0	3.0	5/7/86	ORG							X	X	
T064	T064-4.0	4.0	5/7/86	ORG							X	X	
T064	T064-5.25	5.3	5/7/86	ORG							X	X	
LA001	LA001-1.0	1.0	5/8/86	ORG							X	X	
LA001	LA001-1.0-1.5	1.5	5/8/86	SEPA							X	X	X
LA001	LA001-2.0	2.0	5/8/86	ORG							X	X	
LA001	LA001-3.25	3.3	5/8/86	ORG							X	X	
LA001	LA001-4.25	4.3	5/8/86	ORG							X	X	
LA001	LA001-5.25	5.3	5/8/86	ORG							X	X	
LA001	LA001-5.75	5.8	5/8/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
	4/20/88	ORG							X	X		
	7/27/88	ORG							X	X		
	10/14/88	ORG							X	X		
	2/7/89	ORG							X	X		
		SEPA							X	X		
		DSEP							X	X		
	5/19/89	ORG							X	X		
	10/28/89	ORG							X	X		
	4/21/90	ORG							X	X		
	4/23/91	ORG							X	X		
	11/19/91	ORG							X	X		
	8/13/95	ORG	X	X	X	X	X		X	X	X	
		SEPA							X	X	X	
		DSEP							X	X	X	
	8/14/86	ORG							X	X		
	1/9/87	ORG	X	X	X	X	X		X	X		
		FD	X	X	X	X	X		X	X		
	1/12/87	ORG	X	X	X	X	X		X	X		
	2/26/87	ORG							X	X		
	4/26/85	ORG							X	X	X	
	11/27/90	ORG				X		X	X	X	X	X
		FD				X		X	X	X	X	X
		SPT							X	X		
	11/28/95	ORG								X		
		SPT								X		
MW-06	2/8/89	ORG	X	X	X	X	X		X	X		
	5/16/89	ORG							X	X		
	2/24/90	ORG							X	X		
	4/20/90	ORG							X	X		
	12/2/90	ORG				X		X	X		X	X
	4/25/91	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	11/21/91	ORG							X			
	12/1/95	ORG							X	X		X
	8/14/86	ORG							X	X		
	1/31/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	10/27/89	ORG							X	X		
MW-07	2/2/89	ORG							X	X		
	2/9/89	ORG	X		X	X	X		X	X		
	5/16/89	ORG							X	X		
	10/28/89	ORG							X	X		
	2/24/90	ORG								X		
	4/20/90	ORG							X	X		
	8/13/86	ORG							X	X		
MW-08	2/22/90	ORG							X	X		
	4/20/90	ORG							X	X		
	10/27/89	ORG							X	X		
	5/12/89	ORG	X		X	X	X		X	X		
	5/15/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
MW-09	5/17/89	ORG							X	X		
	2/22/90	ORG								X		
	4/20/90	ORG							X	X		
	11/30/95	ORG								X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 105.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
LA002	LA002-1.0	1.0	5/2/86	ORG								X	
LA002	LA002-1.0-1.5	1.5	5/2/86	OEPA							X	X	X
LA002	LA002-1.0-1.5	1.5	5/2/86	SEPA							X	X	X
LA002	LA002-3.0	3.0	5/2/86	ORG								X	
LA002	LA002-3.5	3.5	5/2/86	ORG								X	
LA002	LA002-4.0	4.0	5/2/86	ORG								X	
LA002	LA002-5.0	5.0	5/2/86	ORG								X	
LA002	LA002-5.5	5.5	5/2/86	ORG							X	X	
LA002	LA002-6.0	6.0	5/2/86	ORG							X	X	
LA003	LA003-0.5-1.0	1.0	5/6/86	OEPA							X	X	X
LA003	LA003-1.5	1.5	5/6/86	ORG							X	X	
LA003	LA003-2.25	2.3	5/6/86	ORG							X	X	
LA003	LA003-2.25-2.75	2.8	5/6/86	DEPA							X	X	X
LA003	LA003-3.25	3.3	5/6/86	ORG							X	X	
LA003	LA003-4.5	4.5	5/6/86	ORG							X	X	
LA003	LA003-5.0	5.0	5/6/86	ORG							X	X	
LA004	LA004-1.0	1.0	5/2/86	ORG							X	X	
LA004	LA004-1.5	1.5	5/2/86	ORG							X	X	
LA004	LA004-3.25	3.3	5/2/86	ORG							X	X	
LA004	LA004-4.5	4.5	5/2/86	ORG							X	X	
LA004	LA004-4.5-5.0	5.0	5/2/86	SEPA							X	X	X
LA004	LA004-5.5	5.5	5/2/86	ORG							X	X	
LA005	LA005-1.0	1.0	5/2/86	ORG							X	X	
LA005	LA005-2.25	2.3	5/2/86	ORG							X	X	
LA005	LA005-2.25-2.75	2.8	5/2/86	SEPA							X	X	X
LA005	LA005-4.0	4.0	5/2/86	ORG							X	X	
LA005	LA005-4.5	4.5	5/2/86	ORG							X	X	
LA005	LA005-5.0	5.0	5/2/86	ORG							X	X	
LA006	LA006-1.0	1.0	5/6/86	ORG							X	X	
LA006	LA006-2.25-2.75	2.8	5/6/86	OEPA								X	X
LA006	LA006-3.25	3.3	5/6/86	ORG							X	X	
LA006	LA006-4.5	4.5	5/6/86	ORG							X	X	
LA006	LA006-4.5-5.0	5.0	5/6/86	DEPA							X	X	X
LA006	LA006-5.5	5.5	5/6/86	ORG							X	X	
LA007	LA007-1.0	1.0	5/6/86	ORG							X	X	
LA007	LA007-2.25	2.3	5/6/86	ORG							X		
LA007	LA007-2.25-2.75	2.8	5/6/86	OEPA							X	X	X
LA007	LA007-2.25-2.75	2.8	5/6/86	SEPA							X	X	X
LA007	LA007-3.25	3.3	5/6/86	ORG							X		
LA007	LA007-4.25	4.3	5/6/86	ORG							X		
LA007	LA007-4.75	4.8	5/6/86	ORG							X		
LA007	LA007-5.25	5.3	5/6/86	ORG							X		
LA008	LA008-1.0	1.0	5/5/86	ORG							X	X	
LA008	LA008-1.5	1.5	5/5/86	ORG							X	X	
LA008	LA008-2.75	2.8	5/5/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

SCO973160022.XLS - rearranged

TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
		FD							X	X		
		LD							X	X		
	1/20/88	ORG							X	X		
	4/21/88	ORG							X	X		
	7/27/88	ORG							X	X		
	2/8/89	ORG							X	X		
	5/19/89	ORG							X	X		
	10/28/89	ORG							X	X		
	4/20/90	ORG							X	X		
	4/23/91	ORG							X	X		
	11/20/91	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	8/13/85	ORG	X	X	X	X	X		X	X	X	
		FD								X		
		SEPA								X		
		OEPA							X		X	
	1/9/87	ORG	X	X	X	X	X		X	X		
	2/26/87	ORG							X	X		
	4/27/85	ORG							X	X	X	
	8/13/86	ORG							X	X		
	1/14/87	ORG	X	X	X	X	X		X	X		
	10/12/88	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	11/28/90	ORG				X		X	X	X	X	X
MW-04	1/13/87	ORG	X	X	X	X	X		X	X		
	4/1/87	ORG							X	X		
	1/19/88	ORG							X	X		
		FD							X	X		
		SPT							X	X		
		LD							X	X		
	4/21/88	ORG							X	X		
	10/13/88	ORG							X	X		
	2/8/89	ORG							X	X		
	5/18/89	ORG							X	X		
		FD								X		
	11/16/89	ORG							X	X		
	4/20/90	ORG							X	X		
	5/2/85	ORG	X	X	X	X	X		X	X	X	
		FD							X	X		
	8/13/85	ORG	X	X	X	X	X		X	X	X	
		FD								X		
		SEPA								X		
		OEPA							X		X	
	1/9/87	ORG	X	X	X	X	X		X	X		
	2/26/87	ORG							X	X		
	11/17/87	ORG							X	X		
	7/26/88	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	7/2/85	ORG	X	X	X	X	X		X	X	X	
		SEPA				X	X			X	X	
		OEPA							X		X	
	8/13/86	ORG							X	X		
MW-05	4/2/87	ORG							X	X		
	11/18/87	ORG							X	X		
	1/20/88	ORG							X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
LA008	LA008-3.25	3.3	5/5/86	ORG							X		
LA008	LA008-4.75	4.8	5/5/86	ORG							X		
LA008	LA008-5.25	5.3	5/5/86	ORG							X		
LA009	LA009-0.5	0.5	5/5/86	ORG							X		
LA009	LA009-1.5	1.5	5/5/86	ORG							X		
LA009	LA009-2.75	2.8	5/5/86	ORG							X	X	
LA009	LA009-4.25	4.3	5/5/86	ORG							X	X	
LA009	LA009-5.25	5.3	5/5/86	ORG							X	X	
LA010	LA010-0.75	0.8	5/5/86	ORG							X	X	
LA010	LA010-1.75	1.8	5/5/86	ORG							X	X	
LA010	LA010-3.25	3.3	5/5/86	ORG							X	X	
LA010	LA010-3.75	3.8	5/5/86	ORG							X	X	
LA010	LA010-5.0	5.0	5/5/86	ORG							X	X	
LA011	LA011-1.25	1.3	5/5/86	ORG								X	
LA011	LA011-1.75	1.8	5/5/86	ORG								X	
LA011	LA011-2.75	2.8	5/5/86	ORG								X	
LA011	LA011-3.75	3.8	5/5/86	ORG								X	
LA011	LA011-5.25	5.3	5/5/86	ORG								X	
LA011	LA011-5.75	5.8	5/5/86	ORG							X	X	
LA012	LA012-1.25	1.3	5/6/86	ORG							X	X	
LA012	LA012-1.75	1.8	5/6/86	ORG							X	X	
LA012	LA012-2.75	2.8	5/6/86	ORG							X	X	
LA012	LA012-3.75	3.8	5/6/86	ORG							X	X	
LA012	LA012-5.25	5.3	5/6/86	ORG							X	X	
LA013	LA013-1.25	1.3	5/6/86	ORG							X	X	
LA013	LA013-1.75	1.8	5/6/86	ORG							X	X	
LA013	LA013-3.25	3.3	5/6/86	ORG							X	X	
LA013	LA013-3.75	3.8	5/6/86	ORG							X	X	
LA013	LA013-5.0	5.0	5/6/86	ORG							X	X	
LA013	LA013-5.5	5.5	5/6/86	ORG							X	X	
LA014	LA014-1.25	1.3	5/6/86	ORG							X	X	
LA014	LA014-1.75	1.8	5/6/86	ORG							X	X	
LA014	LA014-3.25	3.3	5/6/86	ORG							X	X	
LA014	LA014-3.75	3.8	5/6/86	ORG							X	X	
LA014	LA014-5.0	5.0	5/6/86	ORG							X	X	
LA014	LA014-5.5	5.5	5/6/86	FD							X	X	
5-5-S(B)	5-5-S(B)	1.0	5/5/86	ORG							X	X	
5-8-S(B)	5-8-S(B)	1.0	5/8/86	ORG							X	X	

NOTE: See last page of this table for footnotes.

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TABLE B.2
ANALYTICAL METHODS FOR GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QACODE	Moisture using EPA Method 160.3	Electrical Conductivity using EPA Methods 9050 or 120.1 or Lab Meter	pH using EPA Methods 9040 or 150.1 or Lab Meter	Metals (a)	Common Ions (b)	Total Organic Carbon using EPA Methods 9060 or 415.1	Organochlorine Pesticides using EPA Method 8080	Volatile Organic Compounds using EPA Methods 8010, 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Methods 8270 or 625	p-CBSA using HPLC or EPA Method 300.0
MW-01	5/2/85	ORG	X	X	X	X	X		X	X	X	
	7/1/85	ORG	X	X	X	X	X		X	X	X	
		SEPA				X	X		X	X	X	
		QEPA				X	X					
		DSEP							X	X	X	
		DEPA									X	
		OEPA									X	
	8/13/85	ORG	X	X	X	X	X		X	X	X	
		SEPA								X		
		OEPA							X		X	
	1/18/88	ORG							X	X		
	4/19/88	ORG							X	X		
	10/13/88	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	2/8/89	ORG							X	X		
		SEPA							X	X		
		QEPA							X			
	5/19/89	ORG							X	X		
		FD							X	X		
		SPT							X	X		
	11/17/89	ORG							X	X		
	4/20/90	ORG							X	X		
	1/27/93	ORG								X		
	11/28/95	ORG							X	X		
	1/2/00	LD	X	X	X	X	X			X		
	8/14/86	ORG							X	X		
	1/9/87	ORG	X	X	X	X	X		X	X		
	1/12/87	ORG	X	X	X	X	X		X	X		
	2/26/87	ORG							X	X		
	3/31/87	ORG							X	X		
	11/17/87	ORG							X	X		
	7/26/88	ORG							X	X		
	7/22/92	ORG								X		
	1/2/00	QEPA				X	X					
MW-02	5/2/85	ORG	X	X	X	X	X		X	X	X	
	8/13/85	ORG	X	X	X	X	X		X	X	X	
		FD								X		
		SEPA								X	X	
		OEPA							X			
	8/14/86	ORG							X	X		
	1/9/87	ORG	X	X	X	X	X		X	X		
		LD	X	X	X	X	X			X		
	1/13/87	ORG	X	X	X	X	X		X	X		
	2/26/87	ORG							X	X		
		FD							X	X		
		LD							X	X		
	4/2/87	ORG							X	X		
	11/17/87	ORG							X	X		
	1/2/00	QEPA				X	X					
NOTE	7/2/85	ORG	X	X	X	X	X		X	X	X	
		SEPA				X	X		X	X	X	
		QEPA				X	X					
		DSEP							X	X	X	
	1/21/88	ORG							X	X		
	4/22/88	ORG							X	X		
MW-03	4/1/87	ORG							X	X		
	11/18/87	ORG							X	X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

	BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
EPA	E01	2488Y-04		9/22/86	OEPA						X			
(Ecology and	E02	2488Y-05		9/22/86	OEPA						X			
Environment Inc.)	E02	2488Y-06		9/22/86	OEPA						X			
1986	E03	2488Y-09		9/23/86	OEPA						X			
	E03	2488Y-10		9/23/86	OEPA						X			
	E03	2488Y-11		9/23/86	OEPA						X			
	E03	2488Y-12		9/23/86	OEPA						X			
	E03	2488Y-13		9/23/86	OEPA						X			
	E03	2488Y-14		9/23/86	OEPA						X			
	E03	2488Y-15		9/23/86	OEPA						X			
	E04	2488Y-23		9/23/86	OEPA						X			
	E05	2488Y-35		9/24/86	OEPA						X			
	E05	2488Y-36		9/24/86	OEPA						X			
	E05	2488Y-37		9/24/86	OEPA						X			
	E05	2488Y-38		9/24/86	OEPA						X			
	E06	2488Y-40		9/24/86	OEPA						X			
	E06	2488Y-41		9/24/86	OEPA						X			
	E06	2488Y-42		9/24/86	OEPA						X			
	E06	2488Y-43		9/24/86	OEPA						X			
	E07	2488Y-44		9/24/86	OEPA						X			
	E07	2488Y-45		9/24/86	OEPA						X			
	E08	2488Y-50		9/25/86	OEPA						X			
	E08	2488Y-51		9/25/86	OEPA						X			
	E09	2488Y-52		9/25/86	OEPA						X			
	E09	2488Y-53		9/25/86	OEPA						X			
	E09	2488Y-54		9/25/86	OEPA						X			
	E10	2488Y-58		9/25/86	OEPA						X			
	E11	2488Y-59		9/25/86	OEPA						X			
	E12	2488Y-61		9/25/86	OEPA						X			
	E13	2488Y-62		9/25/86	OEPA						X			
	E14	2488Y-63		9/25/86	OEPA						X			
	E14	2488Y-64		9/25/86	OEPA						X			
	E15	2488Y-65		9/25/86	OEPA						X			
	E15	2488Y-66		9/25/86	OEPA						X			
	E15	2488Y-67		9/25/86	OEPA						X			

NOTE: See last page of this table for footnotes.

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TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

NOTE

This table does not include results from reanalysis of EPA split or split duplicate samples

bls = Below land surface
pH = Acidity/alkalinity
BHC = Hexachlorocyclohexane
QACODE = Quality assurance designation
DEPA = Duplicate EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original
SEPA = Split samples analyzed by EPA

(a) = Soil samples were analyzed for metals using one or more of the following methods:
EPA-202.1
EPA-204.1
EPA-204.1
EPA-206.3
EPA-208.1
EPA-210.1
EPA-213.1
EPA-215.1
EPA-218.1
EPA-219.1
EPA-220.1
EPA-229.1
EPA-236.1
EPA-239.1
EPA-242.1
EPA-242.1
EPA-243.1
EPA-245.1
EPA-249.1
EPA-258.1
EPA-270.3
EPA-272.1
EPA-279.1
EPA-282.2
EPA-286.1
EPA-335.3

(b) = Above grade

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

Part 2 Phase 1
Round 1
1986

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
NS001	NS001	0.3	5/20/86	OEPA							X	X	X
NS001	NS001	0.3	5/20/86	ORG							X	X	X
NS001	NS001	0.3	5/20/86	SEPA							X	X	X
NS002	NS002	0.3	5/20/86	ORG							X		
NS002	NS018	0.3	5/20/86	FD							X		
NS003	NS003	0.3	5/20/86	ORG							X		
NS004	NS004	0.3	5/20/86	ORG							X		
NS005	NS005	0.3	5/20/86	ORG							X		
NS006	NS006	0.3	5/20/86	ORG							X		
NS007	NS007	0.3	5/20/86	ORG							X		
NS008	NS008	0.3	5/21/86	ORG							X		
NS008	NS019	0.3	5/21/86	FD							X		
NS009	NS009	0.3	5/21/86	ORG							X		
NS010	NS010	0.3	5/21/86	ORG							X		
NS011	NS011	0.3	5/20/86	ORG							X		
NS012	NS012	0.3	5/20/86	ORG							X		
NS013	NS013	0.3	5/20/86	OEPA							X	X	X
NS013	NS013	0.3	5/20/86	ORG							X	X	X
NS013	NS013	0.3	5/20/86	SEPA							X	X	X
NS014	NS014	0.3	5/20/86	ORG							X		
NS015	NS015	0.3	5/20/86	ORG							X		
NS016	NS016	0.3	5/20/86	ORG							X		
NS017	NS017	0.3	5/20/86	ORG							X		

NOTE: See last page of this table for footnotes.

TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
LA019	LA019-3.0	3.0	9/12/88	ORG	X						X		
T021B	T021B-0.75	0.8	9/15/88	ORG							X		
T021B	T021B-2.5	2.5	9/15/88	ORG							X		
T021B	T021B-4.5	4.5	9/15/88	ORG							X		
T021B	T021-4.5-5.0	5.0	9/15/88	ORG							X		
T021B	T021B-6.5	6.5	9/15/88	ORG							X		
T021B	T021B-8.5	8.5	9/15/88	ORG							X		
T021B	T021B-9.0	9.0	9/15/88	FD							X		
T022	T022-0.75	0.8	9/15/88	ORG	X						X		
T022	T022-2.5	2.5	9/15/88	ORG	X						X		
T022	T022-4.5	4.5	9/15/88	ORG	X						X		
T022	T022-6.5	6.5	9/15/88	ORG	X						X		
T022	T022-8.5	8.5	9/15/88	ORG	X						X		
T023	T023-0.75	0.8	9/15/88	ORG	X						X		
T023	T023-1.25	1.3	9/15/88	FD	X						X		
T023	T023-2.5	2.5	9/15/88	ORG	X						X		
T023	T023-4.5	4.5	9/15/88	ORG	X						X		
T023	T023-6.5	6.5	9/15/88	ORG	X						X		
T023	T023-8.5	8.5	9/15/88	ORG	X						X		
T023	T023-8.5-9.0	9.0	9/15/88	SEPA							X		
T024	T024-0.75	0.8	9/15/88	ORG	X						X		
T024	T024-0.75-1.25	1.3	9/15/88	OEPA							X		
T024	T024-0.75-1.25	1.3	9/15/88	SEPA							X		
T024	T024-2.5	2.5	9/15/88	ORG	X						X		
T024	T024-4.5	4.5	9/15/88	ORG	X						X		
T024	T024-6.5	6.5	9/15/88	ORG	X						X		
T024	T024-7.0	7.0	9/15/88	FD	X						X		
T024	T024-8.5	8.5	9/15/88	ORG	X						X		
T025	T025-0.75	0.8	9/15/88	ORG	X						X		
T025	T025-2.5	2.5	9/15/88	ORG	X						X		
T025	T025-4.5	4.5	9/15/88	ORG	X						X		
T025	T025-6.5	6.5	9/15/88	ORG	X						X		
T025	T025-8.5	8.5	9/15/88	ORG	X						X		
T026	T026-0.75	0.8	9/15/88	ORG	X						X		
T026	T026-2.5	2.5	9/15/88	ORG	X						X		
T026	T026-4.5	4.5	9/15/88	ORG	X						X		
T026	T026-6.5	6.5	9/15/88	ORG	X						X		
T026	T026-8.5	8.5	9/15/88	ORG	X						X		
T027	T027-0.75	0.8	9/15/88	ORG	X						X		
T027	T027-2.5	2.5	9/15/88	ORG	X						X		
T027	T027-2.5-3.0	3.0	9/16/88	SEPA							X		
T027	T027-4.5	4.5	9/15/88	ORG	X						X		
T027	T027-6.5	6.5	9/15/88	ORG	X						X		
T027	T027-8.5	8.5	9/15/88	ORG	X						X		
T027	T027-9.0	9.0	9/15/88	FD	X						X		

NOTE: See last page of this table for footnotes.

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TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

Part 2 Phase 2A
1988

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
T033	T033-9.5	9.5	9/16/88	ORG	X						X	X	
T033	T033-9.5-10.0	10.0	9/16/88	OEPA							X	X	
T033	T033-9.5-10.0	10.0	9/16/88	SEPA							X	X	
T033	T033-12.5	12.5	9/16/88	ORG							X		
T033	T033-15.5	15.5	9/16/88	ORG							X		
T033	T033-18.5	18.5	9/16/88	ORG							X		
T033	T033-21.5	21.5	9/16/88	ORG							X		
T034	T034-1.5	1.5	9/16/88	ORG	X						X	X	
T034	T034-2.5	2.5	9/16/88	ORG	X						X	X	
T034	T034-3.5	3.5	9/16/88	ORG	X						X	X	
T034	T034-4.5	4.5	9/16/88	ORG	X						X	X	
T034	T034-5.5	5.5	9/16/88	ORG	X						X		
T034	T034-6.0	6.0	9/16/88	FD	X						X		
T042	T042-10.25	10.3	9/13/88	ORG	X						X		
T042	T042-13.75	13.8	9/13/88	ORG	X						X		
T042	T042-16.25	16.3	9/13/88	ORG	X						X	X	
T042	T042-19.25	19.3	9/13/88	ORG	X						X		
T042	T042-22.25	22.3	9/13/88	ORG	X						X		
T042	T042-22.75	22.8	9/13/88	FD	X						X		
T046	T046-11.25	11.3	9/13/88	ORG	X						X	X	
T046	T046-16.25	16.3	9/13/88	ORG	X						X	X	
T046	T046-21.25	21.3	9/13/88	ORG	X						X	X	
T046	21.75	21.8	9/13/88	OEPA							X	X	
T046	T046-26.25	26.3	9/13/88	ORG	X							X	
T046	T046-30.75	30.8	9/13/88	ORG	X						X	X	
T046	T046-31.25	31.3	9/13/88	FD	X						X	X	
T046	T046-35.75	35.8	9/13/88	ORG	X							X	
T046	T046-41.25	41.3	9/13/88	ORG	X						X	X	
T046	41.75	41.8	9/13/88	OEPA							X	X	
T046	T046-45.75	45.8	9/13/88	ORG	X							X	
T046	T046-51.25	51.3	9/13/88	ORG	X						X	X	
T046	T046-55.75	55.8	9/13/88	ORG	X							X	
T046	T046-60.75	60.8	9/13/88	ORG	X						X	X	
T052	0.5MINUS200	0.5	9/14/88	ORG							X		
T052	0.5PLUS200	0.5	9/14/88	ORG							X		
T052	2MINUS200	2.0	9/14/88	ORG							X		
T052	T052-2PLUS200	2.0	9/14/88	ORG							X		
T052	T052-11.25	11.3	9/14/88	ORG							X	X	
T052	T052-16.25	16.3	9/14/88	ORG							X	X	
T052	T052-21.25	21.3	9/14/88	ORG							X	X	
T052	T052-26.25	26.3	9/14/88	ORG								X	
T052	T052-31.25	31.3	9/14/88	ORG							X	X	
T052	T052-31.75	31.8	9/14/88	FD							X	X	
T052	T052-35.75	35.8	9/14/88	ORG								X	
T052	T052-40.75	40.8	9/14/88	ORG							X	X	
T052	T052-45.25	45.3	9/14/88	ORG								X	

NOTE: See last page of this table for footnotes.

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TABLE B.1
ANALYTICAL METHODS FOR SOIL SAMPLES

BORING IDENTIFIER	SAMPLE IDENTIFIER	SAMPLE DEPTH Feet (bls)	SAMPLE DATE	QACODE	Moisture using EPA Method 106.3 or Method	Electrical Conductivity using EPA Methods 9050 or 120.1	pH using EPA Methods 9040 or 150.1	Metals (a)	Total Organic Carbon using EPA Methods 9060 or 90.3 or PLB-1981	Organochlorine Pesticides using EPA Method 8080 w/o BHC	Organochlorine Pesticides using EPA Method 8080 with BHC	Volatile Organic Compounds using EPA Methods 8020, 8240, or 8260	Base/Neutral Acid Organic Compounds using EPA Method 8270
T052	T052-51.25	51.3	9/14/88	ORG							X	X	
T052	T052-55.75	55.8	9/14/88	ORG								X	
T052	T052-61.25	61.3	9/14/88	ORG							X	X	
T052	61.75	61.8	9/14/88	OEPA							X	X	
T064	T064-10.25	10.3	9/14/88	ORG							X	X	
T064	T064-13.25	13.3	9/14/88	ORG							X	X	
T064	T064-16.25	16.3	9/14/88	ORG							X	X	
T064	T064-19.25	19.3	9/14/88	ORG							X	X	
T064	T064-19.75	19.8	9/14/88	FD							X	X	
T064	T064-22.25	22.3	9/14/88	ORG							X	X	
T064	22.75	22.8	9/14/88	OEPA							X	X	
SP003	SP003-1.5	1.5	9/16/88	ORG							X		
SP003	SP003-2.25	2.3	9/16/88	ORG							X		
SP003	SP003-2.25-2.75	2.8	9/16/88	OEPA							X		
SP003	SP003-3.25	3.3	9/16/88	ORG							X		
SP003	SP003-4.5	4.5	9/16/88	ORG							X		
SP003	SP003-5.5	5.5	9/16/88	ORG							X		
SP004	SP004-3.5	3.5	9/16/88	ORG							X		
SP004	SP004-4.0	4.0	9/16/88	FD							X		
SP004	SP004-4.5	4.5	9/16/88	ORG							X		
SP004	SP004-5.5	5.5	9/16/88	ORG							X		
SP004A	SP004A-2.0	2.0	9/16/88	ORG							X		
SP005	SP005-1.5	1.5	9/16/88	ORG							X		
SP005	SP005-2.5	2.5	9/16/88	ORG							X		
SP005	SP005-3.5	3.5	9/16/88	ORG							X		
SP005	SP005-4.5	4.5	9/16/88	ORG							X		
SP005	SP005-5.5	5.5	9/16/88	ORG							X		
SP005	SP005-5.5-6.0	6.0	9/16/88	SEPA							X		
LA015	LA015-0.5	0.5	9/17/88	ORG	X						X		
LA015	LA015-2.0	2.0	9/17/88	ORG	X						X		
LA015	LA015-2.6	2.6	9/17/88	FD	X						X		
LA015	LA015-3.5	3.5	9/17/88	ORG	X						X		
LA016	LA016-0.5	0.5	9/12/88	ORG	X	X	X		X		X		
LA016	LA016-1.5	1.5	9/12/88	ORG	X						X		
LA016	LA016-2.0-2.5	2.5	9/12/88	OEPA							X		
LA016	LA016-3.0	3.0	9/12/88	ORG	X	X	X		X		X		
LA017	LA017-0.5	0.5	9/17/88	ORG							X		
LA017	LA017-2.0	2.0	9/17/88	ORG	X						X		
LA017	LA017-3.5	3.5	9/17/88	ORG	X						X		
LA018	LA018-0.5	0.5	9/12/88	ORG	X						X		
LA018	LA018-1.5	1.5	9/12/88	ORG	X						X		
LA018	LA018-3.0	3.0	9/12/88	ORG	X						X		
LA019	LA019-0.5	0.5	9/12/88	ORG	X						X		
LA019	LA019-0.6-1.0	1.0	9/12/88	OEPA							X		
LA019	LA019-1.7	1.7	9/12/88	ORG	X						X		
LA019	LA019-2.3	2.3	9/12/88	FD	X						X		

NOTE: See last page of this table for footnotes.

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APPENDIX C

MONITORING WELL CONSTRUCTION DATA

APPENDIX C

MONITORING WELL CONSTRUCTION DATA

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Table

C-1 WELL CONSTRUCTION DATA, UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1985

C-2 WELL CONSTRUCTION DATA, BELLFLOWER SAND AND GAGE AQUIFER MONITORING WELLS, 1986

C-3 WELL CONSTRUCTION DATA, UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1988 - 1989

C-4 WELL CONSTRUCTION DATA, BELLFLOWER SAND, GAGE AND LYNWOOD AQUIFER MONITORING WELLS, 1989

C-5 WELL CONSTRUCTION DATA, UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1990

C-6 WELL CONSTRUCTION DATA, UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1991

C-7 WELL CONSTRUCTION DATA, BELLFLOWER SAND, GAGE AQUIFER, AND LYNWOOD AQUIFER MONITORING WELLS, 1991

C-8 WELL CONSTRUCTION DATA, BELLFLOWER SAND MONITORING WELL BF-32A, 1993

TABLE C-1

WELL CONSTRUCTION DATA
UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1985

WELL IDENTIFIER	DATE DRILLED	DEPTH OF WELL (ft bls)(a)	PERFORATED INTERVAL (ft bls)	TOP OF SAND PACK (ft bls)	LAND SURFACE ELEVATION (ft msl)	REFERENCE POINT ELEVATION (ft msl)(b)
MW-1	4-26-85	76.6	63.0-73.0	57.5	42.84	42.77
MW-2	4-27-85	77.5	66.7-76.7	59.7	49.43	48.77
MW-3	4-26-85	75.0	64.4-74.4	55.9	47.50	47.66
MW-4	4-26-85	75.3	64.9-74.9	56.7	46.89	47.08
MW-5	4-25-85	72.4	61.5-72.5	55.0	45.36	45.16

NOTES: Land surface elevations are referenced to City of Los Angeles elevation grid.

(a) Indicates drilled depth; in some cases, caving was severe and prevented placing of casing to bottom of hole.
(b) Reference point is top of PVC casing.

ft bls = Feet below land surface
msl = Mean sea level

TABLE C-2

WELL CONSTRUCTION DATA
BELLFLOWER SAND AND GAGE AQUIFER MONITORING WELLS, 1986

WELL ID	DATE COMPLETED	TOTAL DEPTH DRILLED (feet bls)	14-INCH DIAMETER CONDUCTOR CASING DEPTH (feet bls)	4-INCH DIAMETER PVC BLANK CASING INTERVAL (feet bls)	4-INCH DIAMETER 316L BLANK CASING INTERVAL (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL (feet bls)	FILTER PACK INTERVAL (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK SIZE(a)	BENTONITE/SAND SEAL INTERVAL (feet bls)	INTER-CASING CEMENT GROUT SEAL (feet bls)
BF-1	12/11/86	126.5	65.5	0.0-73.5	73.5-113.5	113.5-124.0	110.5-126.5	0.045	No. 6-16	102-110.5	0.0-102
BF-2	12/09/86	128.0	66.2	0.0-54.0	54.0-114.0	114.0-124.5	111-128.0	0.045	No. 6-16	103.5-111	0.0-103.5
BF-3	12/05/86	125.5	65.5	0.0-51.5	51.5-113.5	113.5-124.0	110-125.5	0.045	No. 6-16	102-110	0.0-102
BF-4	12/08/86	126.0	42.0	0.0-51.0	51.0-112.0	112.0-123.0	108.5-126.0	0.045	No. 6-16	100-108.5	0.0-100
G-1	11/26/86	164.5	135.1	0.0-60.0	60.0-140.5	140.5-161.0	136-164.5	0.020	No. 8-20	127-136	0.0-127
G-2	11/16/86	180.0	140.4	0.0-60.0	60.0-155.0	155.0-175.5	153-180.0	0.020	No. 8-20	118-153	0.0-118
G-3	12/01/86	170.0	130.0	0.0-60.5	60.5-145.5	145.5-166.0	143-170.0	0.020	No. 8-20	127-143	0.0-127
LG-1	11/12/86	211.0	172.2	0.0-63.5	63.5-188.5	188.5-209.0	180.0-211.0	0.010	No. 30-50	167.5-180	0.0-167.5

(a) Filter pack consists of Monterey sand; filter size is given in U.S. Sieve Numbers.

bls = Below land surface

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TABLE C-3
WELL CONSTRUCTION DATA
UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1988-1989

WELL ID	DATE COMPLETED	TOTAL DEPTH DRILLED (a) (FEET BLS)	4-INCH DIAMETER PVC BLANK CASING INTERVAL (FEET BLS)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL (A) (FEET BLS)	SCREEN SLOT	FILTER PACK INTERVAL (a) (FEET BLS)	FILTER PACK SIZE (b)	BENTONITE SEAL INTERVAL (a) (FEET BLS)	GROUT FILTER INTERVAL (a) (FEET BLS)	CEMENTED INTERVAL (a) (FEET BLS)
MW-6	11/17/88	85	0-65	65-80	0.020	60-84	1C	57-60	55-57	0-55
MW-7	11/18/88	85	0-65	65-80	0.020	60-85	1C	57-60	55-57	0-55
MW-8	05/10/89	85	0-65	65-80	0.020	62-85	1C	58-62	57-58	0-57
MW-9	05/09/89	85	0-66	66-81	0.020	61-85	1C	58-61	53-58	0-53
MW-10	11/22/88	83	0-62	62-77	0.020	56-83	1C	53-56	52-53	0-52
MW-11	11/23/88	84	0-62	62-77	0.020	58-83	1C	55-58	53-55	0-53
MW-12	11/19/88	85	0-61	61-76	0.020	54-85	1C	51-54	49-51	0-49
MW-13	11/15/88	81	0-62	62-77	0.020	59-78	1C	57-59	56-57	0-56
MW-14	11/21/88	80	0-58	58-73	0.020	54-80	1C	48-54	45-48	0-45
MW-15	11/21/88	83	0-62	62-77	0.020	57-83	1C	54-57	52-54	0-52
MW-23	08/03/89	80	0-60	60-75	0.020	58-80	1C	52-55	55-58	0-52
MW-24	08/04/89	68	0-49	49-64	0.010	47.66	1C	41-44	44-47	0-41
MW-25	08/05/89	75	0-56	56-71	0.020	53-74	1C	47-50	50-53	0-
MW-26	08/06/89	80	0-59	59-74	0.020	56-76	1C	51-53	53-56	0-51

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand; filter pack sizes are Lone Star Lapis Lustre size designations.

TABLE C-4

WELL CONSTRUCTION DATA
BELLFLOWER SAND, GAGE AND LYNWOOD AQUIFER MONITORING WELLS, 1989

WELL ID	DATE COMPLETED	TOTAL DEPTH DRILLED(a) (feet bls)	13-3/4-INCH DIAMETER BORING(a) (feet bls)	8-5/8-INCH O.D. STEEL CONDUCTOR CEMENTED CASING(a) (feet bls)	12-INCH DIAMETER BORING(a) (feet bls)	4-INCH DIAMETER PVC BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK INTERVAL(a) (feet bls)	FILTER PACK SIZE(b)	GROUT FILTER PACK INTERVAL(a) (feet bls)	INTERCASING GROUT SEAL(a) (feet bls)
BF-5	01/14/89	135	0-112	0-112	112-132	0-112	112-122	122-132	0.045	119-135	MA	112-119(c)	0-112
BF-6	12/03/88	132	0-101	0-101	101-129	0-105	105-115	115-125	0.020	111-132	#1C	110-111	0-110
BF-7	12/09/88	119	0-101	0-101	101-118	0-96	96-106	106-116	0.020	102-119	#1C	96-102	0-96
BF-8	01/06/89	126	0-100	0-100	100-125	0-104	104-115	115-125	0.045	112-126	MA	110-112	0-110
BF-9	01/03/89	129	0-104	0-104	104-128	0-47(d)	47-107(d)	107-118(d)	0.030	105-117	#3	95-105	0-95
								118-128(d)	0.045	117-129	MA		
BF-10	12/01/89	131	0-110	0-109	110-131	0-110	110-120	120-130	0.045	113-130	MA	111-118	0-111
BF-11	12/06/89	124	0-102	0-102	102-124	0-94	94-104	104-124	0.020	102-124	2 X 12	99-102	0-99
BF-12	11/30/89	120	0-105	0-103	105-120	0-100	100-110	110-120	0.045	107-120	MA	105-107	0-105
BF-13	11/01/89	138	0-113	0-113	113-138	0-107	107-117	117-137	0.020	113-138	#1C	110-113	0-110
BF-14	10/04/89	122	0-105	0-105	105-121	0-100	100-111	111-121	0.045	103-122	MA	101-103	0-101
BF-15	10/10/89	114	0-91	0-91	91-114	0-88	88-98	98-103	0.045	90-114	MA	85-90	0-85
								103-113	0.020				
BF-16	12/16/89	130	0-100	0-100	100-125	0-92	92-103	103-124	0.045	102-126	MA	98-102	0-98
BF-17	12/18/89	124	0-97	0-97	97-120	0-90	90-100	100-120	0.045	98-120	MA	95-98	0-95
G-4	01/17/89	195	0-148	0-148	148-194	0-144	144-154	154-194	0.020	151-195	#1C	148-151(c)	0-148
G-5	12/07/88	194	0-145	0-145	145-192	0-141	141-151	151-190	0.020	128-194	#1C	126-128	0-126
G-6	12/12/88	192	0-144	0-144	144-191	0-139	139-149	149-190	0.020	149-192	#1C	148-149	0-148
G-7	01/11/89	181	0-136	0-136	136-180	0-130	130-140	140-180	0.020	136-181	#1C	134-136	0-134
G-8	12/13/89	181	0-136	0-136	136-181	0-130	130-140	140-180	0.020	129-181	#1C	126-129	0-126
G-9	12/04/89	213	0-168	0-168	168-213	0-162	162-172	171-213	0.020	169-213	#1C	165-169	0-165
G-11	11/04/89	218	0-174	0-174	174-218	0-166	166-177	177-217	0.020	175-218	#1C	169-175	0-169
G-12	10/21/89	198	0-153	0-152	152-198	0-147	147-158	158-198	0.020	150-198	MA	148-150	0-148
G-13	10/07/89	197	0-152	0-152	152-197	0-147	147-157	157-197	0.020	121-197	#1C	118-121	0-118
LG-2	12/21/88	207	0-175	0-175	175-206	0-105	105-185	185-205	0.020	179-207	#1C	177-179	0-177
LW-1	08/24/89	251	0-225(e)	0-224(f)	225-251(g)	1-190	190-230	230-250	0.020	225-251	#1C	204-225	0-204
LW-2	08/31/89	253	0-225(e)	0-223(f)	225-253(g)	1-192	192-232	232-252	0.020	230-253	#1C	221-230	0-221
LW-3	11/18/89	261	0-225	0-225	225-261	1-198	198-238	238-259	0.020	236-259	#1C	220-236	0-220

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand; filter pack sizes are Lone Star Lapis Lustre size designations.
(c) 6-inch diameter well casing and screen installed in monitoring well BF-9
(d) No grout filter emplaced; granular bentonite emplaced on top of filter pack.
(e) 16-inch diameter boring
(f) 10-1/4-inch outside diameter conductor casing
(g) 9-3/4-inch boring

bls = Below land surface

TABLE C-5

WELL CONSTRUCTION DATA
UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1990

WELL IDENTIFIER	DEPTH DRILLED(a) (feet bls)	DATE COMPLETED	4-INCH DIAMETER PVC BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK INTERVAL(a) (feet bls)	FILTER PACK SIZE(b)	GROUT FILTER INTERVAL (feet bls)	BENTONITE SEAL INTERVAL(a) (feet bls)	CEMENTED INTERVAL(a) (feet bls)
MW-16	78	03/31/90	1-59	59-76	0.010	58-76	1C	55-58	52-55	0-52
MW-17	83	04/02/90	1-65	65-81	0.020	63-81	1C	61-63	58-61	0-58
MW-18	84	03/29/90	1-68	68-83	0.020	67-84	1C	64-67	61-64	0-61
MW-19	80	03/30/90	1-63	63-79	0.020	62-79	1C	60-62	57-60	0-57
MW-20	74	04/04/90	0-57(c,d)	57-73(d)	0.010	54-73	1C	52-54	50-52	0-50
MW-21	73	03/28/90	1-54	54-70	0.010	53-71	1C	49-53	42-49	0-48
MW-22	74	04/01/90	0-57(a,d)	57-73	0.020	56-74	1C	54-56	52-54	2-52

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand, filter pack sizes are Lone Star Lapis Lustre size designations.
(c) Monitoring well is temporarily completed with top of casing 1.5 feet above land surface.
(d) 2-inch-diameter casing and screen
(e) Monitoring well is temporarily completed with top of casing 0.8 above land surface.

bls = Below land surface

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TABLE C-6

WELL CONSTRUCTION DATA
.UPPER BELLFLOWER AQUITARD MONITORING WELLS, 1991

WELL IDENTIFIER	TOTAL DEPTH DRILLED(a) (feet bls)	DATE COMPLETED	4-INCH DIAMETER PVC BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK INTERVAL(a) (feet bls)	FILTER PACK SIZE(b)	FINE SAND SEAL INTERVAL(a) (feet bls)	BENTONITE SEAL INTERVAL(a) (feet bls)	CEMENTED INTERVAL(a) (feet bls)
MW-27	77	09/19/91	1-59	59-75	0.020	58-77	1C	55-58	54-55	1-54
MW-28	74	11/16/91	1-54	54-71	0.020	53-74	1C	50-53	49-50	1-49
MW-29	75	09/18/91	1-54	57-73	0.020	55-75	1C	54-55	52-54	1-52
MW-30	80	09/20/91	1-54	54-70	0.020	53-70	1C	51-53	50-51	1-50

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand, filter pack sizes are Lone Star Lapis Lustre size designations.

bls = Below land surface
PVC = Polyvinylchloride

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TABLE C-7 (continued)
WELL CONSTRUCTION DATA
BELLFLOWER SAND, GAGE AQUIFER, AND LYNWOOD AQUIFER MONITORING WELLS, 1991

WELL IDENTIFIER	DATE COMPLETED	TOTAL DEPTH DRILLED(a) (feet bls)	12-5/8-INCH DIAMETER BORING(a) (feet bls)	8-5/8-INCH OK STEEL CONDUCTOR CASING(a) (feet bls)	10-INCH DIAMETER BORING(a) (feet bls)	4-INCH DIAMETER PVC BLANK CASING INTERVAL (a) (feet bls)	4-INCH DIAMETER 316L BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK SIZE(b)	FILTER PACK INTERVAL(a) (feet bls)	FINE SAND SEAL INTERVAL(a) (feet bls)	BENTONITE SEAL INTERVAL(a) (feet bls)	INTERCASING GROUT SEAL(a) (feet bls)
G-10	07/29/91	198	0-155	1-155	155-197	1-147	147-157	157-197	0.020	1C	152-198	149-152	143-149	1-143
G-14	08/30/91	196	0-153	1-153	153-195	1-145	145-155	155-195	0.020	1C	152-195	151-152	148-151	1-148
G-15	08/09/91	184	0-136	1-136	136-182	1-132	132-142	142-182	0.020	1C	139-184	137-139	132-137	1-132
G-16	06/06/91	187	0-140	1-140	140-187	1-135	135-145	145-185	0.020	1C	142-187	141-142	135-141	1-135
G-17	06/29/91	213	0-164	1-164	164-212	1-162	162-172	172-212	0.020	1C	168-213	167-168	161-167	1-161
G-18	05/30/91	202	0-152	1-152	154-201	1-151	151-161	161-201	0.020	1C	159-202	157-159	153-157	1-153
G-19	07/25/91	187	0-141	1-141	141-185	1-135	135-145	145-185	0.020	1C	136-185	134-136	127-134	1-127
LW-4	09/09/91	246	0-210	0-208(d)	210-245	1-215	215-225	225-245	0.020	1C	225-246	223-225	221-223	1-121
LW-5	09/17/91	251	0-215	1-215	215-250	1-220	220-230	230-250	0.020	1C	228-251	226-228	220-226	1-220
LW-6	09/21/91	256	0-229	0-229	229-255	1-225	225-235	235-255	0.020	1C	233-256	232-233	222-232	1-222
LW-7	09/24/91	251	0-213	1-213	213-250	1-220	220-230	230-250	0.020	1C	228-251	226-228	222-226	1-222

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand; filter pack sizes are Lone Star Lapis Lustre size designations.
(c) Conductor casing was not installed.
(d) Monitoring well is completed with top of casing above land surface.

bls = Below land surface
MA = Medium aquarium
NA = Not applicable

TABLE C-7
WELL CONSTRUCTION DATA
BELLFLOWER SAND, GAGE AQUIFER, AND LYNWOOD AQUIFER MONITORING WELLS, 1991

WELL IDENTIFIER	DATE COMPLETED	TOTAL DEPTH DRILLED(a) (feet bls)	12-5/8-INCH DIAMETER BORING(a) (feet bls)	8-5/8-INCH OK STEEL CONDUCTOR CASING(a) (feet bls)	10-INCH DIAMETER BORING(a) (feet bls)	4-INCH DIAMETER PVC BLANK CASING INTERVAL (a) (feet bls)	4-INCH DIAMETER 316L BLANK CASING INTERVAL(a) (feet bls)	4-INCH DIAMETER 316L WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK SIZE(b)	FILTER PACK INTERVAL(a) (feet bls)	FINE SAND SEAL INTERVAL(a) (feet bls)	BENTONITE SEAL INTERVAL(a) (feet bls)	INTERCASING GROUT SEAL(a) (feet bls)
BF-18	08/02/91	145	0-91	1-91	91-143	1-103	103-113	113-143	0.020	1C	109-144	108-109	104-108	1-104
BF-19	06/26/91	135	0-125	1-125	125-134	1-118	118-128	128-133	0.020	1C	124-135	123-124	117-123	1-117
BF-20	08/14/91	130	0-89	1-89	89-129	1-99	99-110	110-129	0.045	MA	106-130	104-106	99-104	1-99
BF-21	05/24/91	123	0-92	1-92	92-122	1-86	86-96	96-121	0.020	1C	96-123	94-96	89-94	1-89
BF-22	06/12/91	120	0-85	1-85	85-117	1-67	77-87	87-117	0.045	MA	77-120	71-77	67-71	1-67
BF-23	06/17/91	120	0-100	1-100	100-116	1-91	91-101	101-116	0.020	1C	98-120	95-98	88-95	1-88
BF-24	05/17/91	122	0-90	1-90	90-122	1-86	86-96	96-121	0.020	1C	95-122	93-95	87-93	1-87
BF-25	06/20/91	115	0-94	1-94	94-105	1-84	84-94	94-104	0.045	MA	92-106	90-92	83-90	1-83
BF-26	08/28/91	110	0-89	1-89	89-105	1-80	80-90	90-105	0.020	1C	90-110	88-90	85-88	1-85
BF-27	07/11/91	122	0-88	1-88	88-121	1-81	81-101	101-121	0.020	1C	97-121	96-97	86-96	1-86
BF-28	07/18/91	115	0-90	1-90	90-110	1-110	85-95	95-110	0.045	MA	92-110	91-92	85-91	1-85
BF-29	08/06/91	128	0-86	1-86	86-120	1-90	90-100	100-120	0.020	1C	97-121	95-97	91-95	1-91
BF-30	08/19/91	120	0-80	1-80	82-112	1-72	72-82	82-113	0.020	1C	79-113	77-79	69-77	1-69
BF-31	08/22/91	135	0-100	1-100	100-136	1-95	95-105	105-135	0.020	1C	104-135	102-104	99-102	1-99
BF-32	10/01/91	120	NA	NA	0-118	1-65	NA	65-115	0.020	1C	63-120	62-63	60-62	1-60(c)
BF-33	09/05/91	101	NA	NA	0-102	1-50	50-60	60-100	0.020	1C	58-101	55-58	53-55	1-53(c)

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand; filter pack sizes are Lone Star Lapis Lustre size designations.
(c) Conductor casing was not installed.
(d) Monitoring well is completed with top of casing above land surface.

bls = Below land surface
MA = Medium aquarium
NA = Not applicable

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TABLE C-8

WELL CONSTRUCTION DATA
BELLFLOWER SAND MONITORING WELL BF-32A, 1993

WELL IDENTIFIER	DATE COMPLETED	TOTAL DEPTH DRILLED(a) (feet bls)	10-INCH DIAMETER BORING (a) (feet bls)	4-INCH DIAMETER PVC BLANK CASING INTERVAL (a) (feet bls)	4-INCH DIAMETER 304 WIRE WRAP SCREEN INTERVAL(a) (feet bls)	SCREEN SLOT SIZE (inches)	FILTER PACK SIZE(b)	FILTER PACK INTERVAL(a) (feet bls)	FINE SAND SEAL INTERVAL(a) (feet bls)	BENTONITE SEAL INTERVAL(a) (feet bls)	INTERCASING GROUT SEAL(a) (feet bls)
BF-32A	12/09/93	120	0 - 120	1 - 65	65 - 115	0.020	#3	46 - 120	41 - 46(c)	41 - 46(c)	1 - 41(d)

(a) Dimensions reported to the nearest foot.
(b) Filter pack consists of Monterey sand; filter pack sizes are Lone Star Lapis Lustre size designations.
(c) Estimated
(d) Conductor casing was not installed.

bls = Below land surface

APPENDIX D

QUALIFIED DATA

APPENDIX D

QUALIFIED DATA

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D.20 QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SURFACE WATER

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D.26 SPLIT SAMPLE RESULTS COMMON IONS IN GROUNDWATER

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	MW002 52 ft bls 85/04/27 BAC/ORG	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG	MW003 72 ft bls 85/04/27 BAC/ORG
2,4'-DDD	0.88[EH]	0.07[EH]	11[EH]	14[EH]	1.5[EH]	64[EH]	15[EH]	11[EH]	72[EH]	<0.05[EH]	<0.05[EH]	<0.05[EH]	0.06[EH]
2,4'-DDE	0.1[EH]	<0.05[EH]	0.46[EH]	0.85[EH]	0.07[EH]	1.9[EH]	0.45[EH]	0.99[EH]	6.5[EH]	<0.05[EH]	<0.05[EH]	<0.05[EH]	<0.05[EH]
2,4'-DDT	1.6[EH]	0.55[EH]	160[EH]	230[EH]	23[EH]	1300[EH]	300[EH]	150[EH]	1100[EH]	0.33[EH]	0.26[EH]	0.45[EH]	<0.2[EH]
4,4'-DDD	1.4[EH]	0.08[EH]	42[EH]	52[EH]	8.3[EH]	250[EH]	54[EH]	39[EH]	280[EH]	0.06[EH]	0.06[EH]	0.22[EH]	<0.05[EH]
4,4'-DDE	0.07[EH]	<0.05[EH]	8.5[EH]	11[EH]	2.2[EH]	211[EH]	12[EH]	12[EH]	120[EH]	0.27[EH]	<0.05[EH]	0.22[EH]	<0.05[EH]
4,4'-DDT	2.3[EH]	1.3[EH]	560[EH]	690[EH]	120[EH]	6800[EH]	770[EH]	560[EH]	3400[EH]	1.1[EH]	1.2[EH]	2.5[EH]	0.29[EH]
Chloral	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]
Total DDT	6.35[EH]	2[EH]	801.96[EH]	997.85[EH]	153.07[EH]	8616.9[EH]	1151.45[EH]	772.99[EH]	4977.5[EH]	1.76[EH]	1.51[EH]	3.39[EH]	0.35[EH]

NOTE: Data on this page collected during Pre Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW003 77 ft bls 85/04/27 BAC/ORG	S101 32 ft bls 85/05/01 BAC/ORG	S101 37 ft bls 85/05/01 BAC/ORG	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
2,4'-DDD	<0.05[EH]	72[EH]	100[EH]	230[EH]	47[EH]	70[EH]
2,4'-DDE	<0.05[EH]	3.6[EH]	6.2[EH]	11[EH]	2.7[EH]	3.7[EH]
2,4'-DDT	<0.2[EH]	810[EH]	1500[EH]	2800[EH]	650[EH]	970[EH]
4,4'-DDD	<0.05[EH]	230[EH]	510[EH]	870[EH]	190[EH]	290[EH]
4,4'-DDE	<0.05[EH]	60[EH]	190[EH]	210[EH]	58[EH]	66[EH]
4,4'-DDT	0.37[EH]	3000[EH]	7100[EH]	8500[EH]	2300[EH]	3600[EH]
Chlorat	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]
Total DDT	0.37[EH]	4175.6[EH]	9406.2[EH]	12621[EH]	3247.7[EH]	5019.7[EH]

NOTE: Data on this page collected during Pre Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	12D 6.5 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 6.5 ft bls 85/06/25 CAL/OEPA	13D 8 ft bls 85/06/25 CAL/OEPA	14D 9.5 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	23D 4.5 ft bls 85/06/25 CAL/OEPA	23D 6.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	35D 2 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA
4,4'-DDD		26[EH]			370[EH]	72[EH]			30[EH]	67[EH]	130[EH]	34[EH]	17[EH]	34[EH]	28[EH]
4,4'-DDE	0.029(J)	290[EH]	0.079(J)	0.023(J)	300[EH]	260[EH]	0.034(J)	0.036(J)	830[EH]	250[EH]	530[EH]	65[EH]	94[EH]	170[EH]	72[EH]
4,4'-DDT	0.11(J)	<1800[EH]		0.1(J)	6200[EH]	2600[EH]	0.12(J)	0.086(J)	1300[EH]	1900[EH]	3800[EH]	880[EH]	630[EH]	1400[EH]	890[EH]
Aldrin		<12[EH]			<120[EH]	<12[EH]			<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
alpha-BHC		<12[EH]			<120[EH]	<12[EH]			16[EH]	29[EH]	<12[EH]	<12[EH]	15[EH]	16[EH]	<12[EH]
alpha-Endosulfan		<12[EH]			<120[EH]	<12[EH]			<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
beta-BHC		<12[EH]			<120[EH]	<12[EH]			4.4[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
beta-Endosulfan		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Chlordane		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<12[EH]	<120[EH]	<12[EH]	<120[EH]
delta-BHC		<12[EH]			<120[EH]	<12[EH]			2.4[EH]	8.9[EH]	<12[EH]	<12[EH]	8[EH]	10[EH]	<12[EH]
Dieldrin		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Endosulfan 1		<12[EH]			<120[EH]	<12[EH]			<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
Endosulfan 2		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Endosulfan sulfate		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Endrin		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Endrin aldehyde		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
Endrin Ketone		<24[EH]			<240[EH]	<24[EH]			<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]	<24[EH]
gamma-BHC		<12[EH]			<120[EH]	<12[EH]			3.9[EH]	14[EH]	<12[EH]	<12[EH]	4[EH]	9.1[EH]	<12[EH]
Heptachlor		<12[EH]			<120[EH]	<12[EH]			<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
Heptachlor epoxide		<12[EH]			<120[EH]	<12[EH]			<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]	<12[EH]
Methoxychlor		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1016		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1221		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1232		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1242		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1248		<120[EH]			<1200[EH]	<120[EH]			<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]	<120[EH]
PCB 1254		<240[EH]			<2400[EH]	<240[EH]			<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]
PCB 1260		<240[EH]			<2400[EH]	<240[EH]			<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]
Total BHC		<1.2[EH]			<120[EH]	<1.2[EH]			26.7[EH]	51.9[EH]	<12[EH]	<12[EH]	27[EH]	35.1[EH]	<12[EH]
Total DDT		316[EH]			6870[EH]	2932[EH]			1960[EH]	2217[EH]	4460[EH]	979[EH]	741[EH]	1604[EH]	990[EH]
Toxaphene		<240[EH]			<240[EH]	<240[EH]			<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<240[EH]	<12[EH]

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	VANNESS ft bls 85/06/19 CAL/OEPA
4,4'-DDD	0.011(J)
4,4'-DDE	
4,4'-DDT	
Aldrin	
alpha-BHC	
alpha-Endosulfan	
beta-BHC	
beta-Endosulfan	
Chlordane	
delta-BHC	
Dieldrin	
Endosulfan 1	
Endosulfan 2	
Endosulfan sulfate	
Endrin	
Endrin aldehyde	
Endrin Ketone	
gamma-BHC	
Heptachlor	
Heptachlor epoxide	
Methoxychlor	
PCB 1016	
PCB 1221	
PCB 1232	
PCB 1242	
PCB 1248	
PCB 1254	
PCB 1260	
Total BHC	
Total DDT	
Toxaphene	

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S201 16.5 ft bls 86/09/26 BAC/ORG	S201 20.5 ft bls 86/09/26 BAC/ORG	S201 35.5 ft bls 86/09/26 BAC/ORG	S201 46.5 ft bls 86/09/26 BAC/ORG	S201 51 ft bls 86/09/26 BAC/ORG	S201 60.5 ft bls 86/09/26 BAC/ORG	S202 20.5 ft bls 86/09/30 BAC/ORG	S202 25.5 ft bls 86/09/30 BAC/ORG	S202 30.5 ft bls 86/09/30 BAC/ORG	S202 35.5 ft bls 86/09/30 BAC/ORG	S202 43.5 ft bls 86/09/30 BAC/ORG	S202 50.5 ft bls 86/09/30 BAC/ORG	S202 60.5 ft bls 86/09/30 BAC/ORG
4,4'-DDT							1[EP]	0.22[EP]	0.12[EP]	2[EP]	0.14[EP]	0.25[EP]	2.2[EP]
Total BHC	1.7[EP]	1[EP]	0.05[EP]	0.8[EP]	8[EP]	10[EP]						0.03[EP]	
Total DDT							3.6[EP]	0.67[EP]	0.37[EP]	4.5[EP]	0.26[EP]	0.5[EP]	4.9[EP]

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	5-5-S-B ft bls 86/05/05 BAC/ORG	JC001 5.75 ft bls 86/05/01 BAC/ORG	JC001 6.25 ft bls 86/05/01 BAC/ORG	JC003 1.75 ft bls 86/05/01 BAC/ORG	JC003 2.25 ft bls 86/05/01 BAC/ORG	JC003 2.75 ft bls 86/05/01 BAC/ORG	JC003 3.75 ft bls 86/05/01 BAC/ORG	JC003 4.25 ft bls 86/05/01 BAC/ORG	JC003 5.5 ft bls 86/05/01 BAC/ORG	JC004 1.25 ft bls 86/05/01 BAC/ORG	JC004 2.33 ft bls 86/05/01 BAC/ORG	JC004 3 ft bls 86/05/01 BAC/ORG	JC004 4 ft bls 86/05/01 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<10(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.03(J)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	0.04(NJB)	<0.01(J)	41(NJB)	37(NJ)	3(NJ)	<0.01(J)	<0.01(J)	0.03(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<3(J)	<30(J)	<3(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.01(J)	0.02(NJB)	<0.01(J)	170(NJB)	110(NJ)	22(NJ)	<0.01(J)	<0.01(J)	0.02(NJB)	<0.01(J)	0.04(NJ)	<0.01(J)	<0.01(J)
4,4'-DDE	0.09(NJB)	0.04(NJB)	<0.01(J)	210(NJB)	150(NJ)	14(NJ)	0.08(NJ)	<0.01(J)	0.02(NJB)	<0.01(J)	0.04(NJ)	<0.01(J)	<0.01(J)
4,4'-DDT	0.06(NJB)	<0.03(J)	0.13(NJ)	340(NJB)	260(NJ)	130(NJ)	0.28(NJ)	<0.03(J)	0.05(NJB)	0.08(NJ)	0.04(NJ)	<0.03(J)	<0.03(J)
Aldrin													
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan													
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin Ketone													
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(J)	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	0.15(NJB)	0.1(NJB)	0.13(NJ)	760(NJB)	560(NJ)	170(NJ)	0.36(NJ)	<0.03(J)	0.12(NJB)	0.08(NJ)	0.12(NJ)	<0.03(J)	<0.03(J)
Toxaphene													

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	JC004 5.5 ft bls 86/05/01 BAC/ORG	JC005 3.5 ft bls 86/04/30 BAC/ORG	LA001 1 ft bls 86/05/08 BAC/ORG	LA001 1.5 ft bls 86/05/08 VILO/RSED	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 2 ft bls 86/05/08 BAC/ORG	LA001 3.25 ft bls 86/05/08 BAC/ORG	LA001 3.75 ft bls 86/05/08 VILO/DSE	LA001 4.25 ft bls 86/05/08 BAC/ORG	LA001 5.25 ft bls 86/05/08 BAC/ORG	LA001 5.75 ft bls 86/05/08 BAC/ORG	LA002 5.5 ft bls 86/05/02 BAC/ORG	LA002 6 ft bls 86/05/02 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	2.4(R)			0.05(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(J)	4.4(R)			0.07(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.03(J)	<0.03(J)	5.9(R)			0.06(R)	<0.03(R)		<0.03(R)	0.06(R)	<0.03(R)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.03(J)	<0.01(J)	2(R)			<0.01(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
4,4'-DDE	<0.01(J)	<0.01(J)	26(R)			0.76(R)	<0.01(R)		<0.01(R)	0.01(R)	<0.01(R)	<0.01(J)	0.04(NJB)
4,4'-DDT	0.06(NJ)	<0.03(J)	23(R)			0.16(R)	<0.03(R)	<0.01(J)	<0.03(R)	0.26(R)	<0.03(R)	0.14(NJB)	<0.03(J)
Aldrin				<0.0053(J)	<0.002(J)								
alpha-BHC	<0.01(J)	<0.01(J)	<0.1(R)			<0.01(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
alpha-Endosulfan													
beta-BHC	<0.01(J)	<0.01(J)	0.6(R)			0.04(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<0.01(J)	<0.1(R)			<0.01(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin Ketone													
gamma-BHC	<0.01(J)	<0.01(J)	<0.1(R)	<0.0053(J)	<0.002(J)	<0.01(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	<0.01(J)	0.5(R)			0.04(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)
Total DDT	0.06(NJ)	<0.03(J)	64(R)			1.1(R)	<0.03(R)		<0.03(R)	0.33(R)	<0.03(R)	0.14(NJB)	0.04(NJB)
Toxaphene													

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA003 1 ft bls 86/05/06 VILO/OEPA	LA003 1.5 ft bls 86/05/06 BAC/ORG	LA003 2.25 ft bls 86/05/06 BAC/ORG	LA003 2.75 ft bls 86/05/06 VILO/DEP	LA003 3.25 ft bls 86/05/06 BAC/ORG	LA003 4.5 ft bls 86/05/06 BAC/ORG	LA003 5 ft bls 86/05/06 BAC/ORG	LA004 1 ft bls 86/05/02 BAC/ORG	LA004 1.5 ft bls 86/05/02 BAC/ORG	LA004 3.25 ft bls 86/05/02 BAC/ORG	LA004 4.5 ft bls 86/05/02 BAC/ORG	LA004 5.5 ft bls 86/05/02 BAC/ORG	LA005 1 ft bls 86/05/02 BAC/ORG
2,4'-DDD		<1(J)	<0.01(J)			<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE		4(NJB)	0.02(NJB)			<0.01(J)	<0.01(J)	<0.1(J)	0.03(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT		<3(J)	<0.03(J)			<0.03(J)	<0.03(J)	<0.3(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.0115[EH]	26(NJB)[EA]	0.07(NJB)[EA]	28.9[EH]	0.02[EA]	<0.01(J)	<0.01(J)	0.2(NJB)	0.02(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	0.04(NJB)
4,4'-DDE	1.34[EH]	44(NJB)	0.17(NJB)	57.6[EH]		<0.01(J)	<0.01(J)	1.3(NJB)	0.29(NJB)	0.03(NJB)	<0.01(J)	<0.01(J)	0.46(NJB)
4,4'-DDT	0.444(J)[EH]	170(NJB)	0.2(NJB)	600[EH]		<0.03(J)	<0.03(J)	1.2(NJB)	0.06(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	0.27(NJB)
Aldrin	<0.00576[EH]			<0.00548[EH]									
alpha-BHC	<0.00576[EH]	<1(J)	<0.01(J)	H]		<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan	<0.00576[EH]			<0.00548[EH]									
beta-BHC	0.0106[EH]	<1(J)	<0.01(J)	0.563[EH]		<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan	<0.0115[EH]			<0.011[EH]									
Chlordane	<0.0115[EH]			<0.011[EH]									
delta-BHC	<0.00576[EH]	<1(J)	<0.01(J)	0.046(J)[EH]		<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin	<0.0115[EH]			<0.011[EH]									
Endosulfan 1	<0.00576[EH]			<0.00548[EH]									
Endosulfan 2	<0.0115[EH]			<0.011[EH]									
Endosulfan sulfate	<0.0115[EH]			<0.011[EH]									
Endrin	<0.0115[EH]			<0.011[EH]									
Endrin Ketone	<0.0115[EH]			<0.011[EH]									
gamma-BHC	<0.00576[EH]	<1(J)	<0.01(J)	H]		<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor	<0.00576[EH]			<0.00548[EH]									
Heptachlor epoxide	<0.00576[EH]			<0.00548[EH]									
Methoxychlor	<0.0115[EH]			<0.011[EH]									
PCB 1016	<0.0576[EH]			<0.0548[EH]									
PCB 1221	<0.0576[EH]			<0.0548[EH]									
PCB 1232	<0.0576[EH]			<0.0548[EH]									
PCB 1242	<0.0576[EH]			<0.0548[EH]									
PCB 1248	<0.0576[EH]			<0.0548[EH]									
PCB 1254	<0.12[EH]			<0.11[EH]									
PCB 1260	<0.12[EH]			<0.11[EH]									
Total BHC	0.0106[EH]	<1(J)	<0.01(J)	0.609[EH]		<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	1.784[EH]	240(NJB)	0.46(NJB)	686.5[EH]		<0.03(J)	<0.03(J)	2.7(NJB)	0.4(NJB)	0.03(NJB)	<0.03(J)	<0.03(J)	0.77(NJB)
Toxaphene	<0.12[EH]			<0.11[EH]									

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA005 2.25 ft bls 86/05/02 BAC/ORG	LA005 4 ft bls 86/05/02 BAC/ORG	LA005 4.5 ft bls 86/05/02 BAC/ORG	LA005 5 ft bls 86/05/02 BAC/ORG	LA006 1 ft bls 86/05/06 BAC/ORG	LA006 3.25 ft bls 86/05/06 BAC/ORG	LA006 4.5 ft bls 86/05/06 BAC/ORG	LA006 5 ft bls 86/05/06 VILO/DEPA	LA006 5.5 ft bls 86/05/06 BAC/ORG	LA007 2.25 ft bls 86/05/06 BAC/ORG	LA007 2.75 ft bls 86/05/06 VILO/SEP	LA007 3.25 ft bls 86/05/06 BAC/ORG	LA007 4.25 ft bls 86/05/06 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	8.9(NJ)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.3(J)	<0.03(J)	<0.03(J)		<0.03(J)	<0.03(J)		<0.03(J)	<0.03(J)
4,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	1.4(NJ)[EA]	<0.01(J)	<0.01(J)	<0.0114[EH]	<0.01(J)	<0.01(J)	<0.011[EH]	<0.01(J)	<0.01(J)
4,4'-DDE	0.08(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	1.6(NJ)	<0.01(J)	<0.01(J)	<0.0114[EH]	<0.01(J)	<0.01(J)	<0.011[EH]	<0.01(J)	<0.01(J)
4,4'-DDT	0.04(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	41(NJ)	<0.03(J)	<0.03(J)	<0.0114[EH]	<0.03(J)	<0.03(J)	<0.011[EH]	<0.03(J)	<0.03(J)
Aldrin								<0.00572[EH]			<0.0055[EH]		
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)
alpha-Endosulfan								<0.00572[EH]			<0.0055[EH]		
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)
beta-Endosulfan								<0.0114[EH]			<0.011[EH]		
Chlordane								<0.0114[EH]			<0.011[EH]		
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)
Dieldrin								<0.0114[EH]			<0.011[EH]		
Endosulfan 1								<0.00572[EH]			<0.0055[EH]		
Endosulfan 2								<0.0114[EH]			<0.011[EH]		
Endosulfan sulfate								<0.0114[EH]			<0.011[EH]		
Endrin								<0.0114[EH]			<0.011[EH]		
Endrin Ketone								<0.0114[EH]			<0.011[EH]		
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)
Heptachlor								<0.00572[EH]			<0.0055[EH]		
Heptachlor epoxide								<0.00572[EH]			<0.0055[EH]		
Methoxychlor								<0.0114[EH]			<0.011[EH]		
PCB 1016								<0.0572[EH]			<0.055[EH]		
PCB 1221								<0.0572[EH]			<0.055[EH]		
PCB 1232								<0.0572[EH]			<0.055[EH]		
PCB 1242								<0.0572[EH]			<0.055[EH]		
PCB 1248								<0.0572[EH]			<0.055[EH]		
PCB 1254								<0.11[EH]			<0.11[EH]		
PCB 1260								<0.11[EH]			<0.11[EH]		
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01(J)	<0.0056[EH]	<0.01(J)	<0.01(J)
Total DDT	0.12(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	53(NJ)	<0.03(J)	<0.03(J)	<0.0114[EH]	<0.03(J)	<0.03(J)	<0.011[EH]	<0.03(J)	<0.03(J)
Toxaphene								<0.11[EH]			<0.11[EH]		

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA007 4.75 ft bls 86/05/06 BAC/ORG	LA007 5.25 ft bls 86/05/06 BAC/ORG	LA008 1 ft bls 86/05/05 BAC/ORG	LA008 1.5 ft bls 86/05/05 BAC/ORG	LA008 2.75 ft bls 86/05/05 BAC/ORG	LA008 3.25 ft bls 86/05/05 BAC/ORG	LA008 4.75 ft bls 86/05/05 BAC/ORG	LA008 5.25 ft bls 86/05/05 BAC/ORG	LA009 0.5 ft bls 86/05/05 BAC/ORG	LA009 1.5 ft bls 86/05/05 BAC/ORG	LA009 2.75 ft bls 86/05/05 BAC/ORG	LA009 4.25 ft bls 86/05/05 BAC/ORG	LA009 5.25 ft bls 86/05/05 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.06(NJB)[EA]	<0.01(J)	<0.01(J)	<0.01(J)	0.03(NJB)[EA]
4,4'-DDE	<0.01(J)	<0.01(J)	0.1(NJB)	0.04(NJB)	0.03(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	0.58(NJB)	0.12(NJB)	0.03(NJB)	<0.01(J)	0.04(NJB)
4,4'-DDT	<0.03(J)	<0.03(J)	0.04(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	0.41(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	0.14(NJB)
Aldrin													
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan													
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin Ketone													
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	<0.03(J)	<0.03(J)	0.14(NJB)	0.04(NJB)	0.03(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	1(NJB)	0.12(NJB)	0.03(NJB)	<0.03(J)	0.21(NJB)
Toxaphene													

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T061 5.25 ft bls 86/05/07 BAC/FD	T062 0.75 ft bls 86/05/07 BAC/ORG	T062 1.75 ft bls 86/05/07 BAC/ORG	T062 2.75 ft bls 86/05/07 BAC/ORG	T062 3.75 ft bls 86/05/07 BAC/ORG	T062 5 ft bls 86/05/07 BAC/ORG	T063 1.25 ft bls 86/05/07 BAC/ORG	T063 1.75 ft bls 86/05/07 BAC/ORG	T063 2.75 ft bls 86/05/07 BAC/ORG	T063 3.75 ft bls 86/05/07 BAC/ORG	T063 5.25 ft bls 86/05/07 BAC/ORG	T064 1 ft bls 86/05/07 BAC/ORG	T064 2 ft bls 86/05/07 BAC/ORG
2,4'-DDD	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	3.8(R)	3.7(NJB)
2,4'-DDE	<0.01(J)	55(NJB)	0.2(NJB)	0.05(NJB)	<0.01(J)	<0.01(J)	18(R)	1.2(R)	<0.01(R)	<0.01(R)	<0.01(R)	1.3(R)	1(NJB)
2,4'-DDT	<0.03(J)	<30(J)	<0.3(J)	<0.03(J)	<0.03(J)	<0.03(J)	<3(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	2.3(R)	2.5(NJB)
4,4'-DDD	<0.01(J)	130(NJB)	1.2(NJB)	0.21(NJB)	<0.01(J)	<0.01(J)	24(R)	1.6(R)	0.04(R)	<0.01(R)	<0.01(R)	0.2(R)	0.3(NJB)
4,4'-DDE	<0.01(J)	250(NJB)[EA]	1.6(NJB)[EA]	0.23(NJB)	<0.01(J)	<0.01(J)	3.2(R)[EA]	0.14(R)[EA]	0.07(R)[EA]	0.04(R)[EA]	<0.01(R)	0.3(R)[EA]	0.3(NJB)[EA]
4,4'-DDT	<0.03(J)	180(NJB)	2.9(NJB)	0.07(NJB)	<0.03(J)	<0.03(J)	34(R)	3.5(R)	0.04(R)	<0.03(R)	<0.03(R)	4.3(R)	4.6(NJB)
Aldrin													
alpha-BHC	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)
alpha-Endosulfan													
beta-BHC	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin Ketone													
gamma-BHC	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	<10(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)
Total DDT	<0.03(J)	620(NJB)	6.1(NJB)	0.56(NJB)	<0.03(J)	<0.03(J)	78(R)	6.4(R)	0.15(R)	<0.03(R)	<0.03(R)	12(R)	12(NJB)
Toxaphene													

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T064 3 ft bls 86/05/07 BAC/ORG	T064 4 ft bls 86/05/07 BAC/ORG	T064 5.25 ft bls 86/05/07 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	
2,4'-DDE	0.06(NJB)	0.03(NJB)	
2,4'-DDT	<0.03(J)	<0.03(J)	
4,4'-DDD	0.49(NJB)	0.05(NJB)	
4,4'-DDE	0.96(NJB)[EA]	0.13(NJB)[EA]	0.04[EA]
4,4'-DDT	1.9(NJB)	0.12(NJB)	
Aldrin			
alpha-BHC	<0.01(J)	<0.01(J)	
alpha-Endosulfan			
beta-BHC	<0.01(J)	<0.01(J)	
beta-Endosulfan			
Chlordane			
delta-BHC	<0.01(J)	<0.01(J)	
Dieldrin			
Endosulfan 1			
Endosulfan 2			
Endosulfan sulfate			
Endrin			
Endrin Ketone			
gamma-BHC	<0.01(J)	<0.01(J)	
Heptachlor			
Heptachlor epoxide			
Methoxychlor			
PCB 1016			
PCB 1221			
PCB 1232			
PCB 1242			
PCB 1248			
PCB 1254			
PCB 1260			
Total BHC	<0.01(J)	<0.01(J)	
Total DDT	3.4(NJB)	0.33(NJB)	
Toxaphene			

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	NS001 0.25 ft bls 86/05/20 VILO/SEPA	NS013 0.25 ft bls 86/05/20 VILO/SEPA
4,4'-DDD	<0.01[EH]	<0.01[EH]
4,4'-DDE	2.1[EH]	1.9[EH]
4,4'-DDT	6[EH]	2.9[EH]
Aldrin	<0.005[EH]	<0.0051[EH]
alpha-BHC	<0.005[EH]	<0.0051[EH]
alpha-Endosulfan	<0.005[EH]	<0.0051[EH]
beta-BHC	<0.005[EH]	<0.0051[EH]
beta-Endosulfan	<0.01[EH]	<0.01[EH]
Chlordane	28[EH]	<0.01[EH]
delta-BHC	<0.005[EH]	<0.0051[EH]
Dieldrin	<0.01[EH]	<0.01[EH]
Endosulfan 1	<0.005[EH]	<0.0051[EH]
Endosulfan 2	<0.01[EH]	<0.01[EH]
Endosulfan sulfate	<0.01[EH]	<0.01[EH]
Endrin	<0.01[EH]	<0.01[EH]
Endrin Ketone	<0.01[EH]	<0.01[EH]
gamma-BHC	<0.005[EH]	<0.0051[EH]
Heptachlor	0.28[EH]	<0.0051[EH]
Heptachlor epoxide	<0.005[EH]	<0.0051[EH]
Methoxychlor	<0.01[EH]	<0.01[EH]
PCB 1016	<0.05[EH]	<0.051[EH]
PCB 1221	<0.05[EH]	<0.051[EH]
PCB 1232	<0.05[EH]	<0.051[EH]
PCB 1242	<0.05[EH]	<0.051[EH]
PCB 1248	<0.05[EH]	<0.051[EH]
PCB 1254	<0.1[EH]	<0.1[EH]
PCB 1260	<0.1[EH]	<0.1[EH]
Total BHC	<0.005[EH]	<0.0051[EH]
Total DDT	8.1[EH]	3[EH]
Toxaphene	<0.1[EH]	<0.1[EH]

NOTE: Data on this page collected during Part 2 Phase 1 Round 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S101A 126.5 ft bls 88/11/02 BAC/ORG	S101A 69.3 ft bls 88/11/01 BAC/ORG	S101A 89.3 ft bls 88/11/01 BAC/ORG	S301 28 ft bls 88/10/24 BAC/ORG	S301 39.2 ft bls 88/10/25 BAC/ORG	S301A 127.8 ft bls 88/10/15 BAC/ORG	S301A 72.6 ft bls 88/10/14 BAC/ORG	S301A 79.6 ft bls 88/10/14 BAC/ORG	S301A 82.1 ft bls 88/10/14 BAC/ORG	S301A 89.7 ft bls 88/10/14 BAC/ORG	S301B 9.2 ft bls 88/10/28 BAC/ORG	S302E 8.3 ft bls 88/10/27 BAC/ORG	S302E 8.8 ft bls 88/10/27 BAC/FD
2,4'-DDD	<50(J)	<5000(J)	<10000(J)	<25(J)	<500(J)						<20(J)	<2000(J)	<500(J)
2,4'-DDE													
2,4'-DDT	<25(J)	<2500(J)	<5000(J)	<13(J)	<250(J)						<10(J)	<1000(J)	<250(J)
4,4'-DDD							0.64(J)		2.9(J)				
4,4'-DDE													
4,4'-DDT						1.5(J)[EA]	2.1(J)[EA]	3900[EA]	9.3(J)[EA]	3800[EA]			
Aldrin													
alpha-BHC											<8[EA]		
gamma-BHC													
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S302F 21.8 ft bls 88/10/28 BAC/ORG	S302F 31.3 ft bls 88/10/28 BAC/ORG	S302F 39.2 ft bls 88/10/28 BAC/ORG	S302F 39.7 ft bls 88/10/28 BAC/FD	S302F 49.2 ft bls 88/10/28 BAC/ORG	S302F 59.2 ft bls 88/10/28 BAC/ORG	S302F 9.1 ft bls 88/10/28 BAC/ORG	S303 18.4 ft bls 88/09/19 BAC/ORG	S303 25.7 ft bls 88/09/19 BAC/ORG	S303 36.7 ft bls 88/09/19 BAC/ORG	S303 48 ft bls 88/09/19 BAC/ORG	S303 54.7 ft bls 88/09/19 BAC/ORG	S303 55.2 ft bls 88/09/19 BAC/FD
2,4'-DDD	<0.2(J)	<2(J)	<2(J)	<1(J)	<25(J)	<250(J)	<10(J)						
2,4'-DDE													
2,4'-DDT	<0.1(J)	<1(J)	<1(J)	<0.5(J)	<13(J)	<130(J)	<5(J)						<1(J)
4,4'-DDD													
4,4'-DDE													
4,4'-DDT								14(J)	1.9(J)	0.32(J)	0.06(J)	3.1(J)	
Aldrin													
alpha-BHC	<0.08[EA]	<0.8[EA]	<0.8[EA]	<0.4[EA]	<10[EA]	<100[EA]	<4[EA]						
gamma-BHC													
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S303 8.4 ft bls 88/09/19 BAC/ORG	S303A 63.5 ft bls 88/10/27 BAC/ORG	S303A 89.1 ft bls 88/10/27 BAC/ORG	S303A 91.6 ft bls 88/10/27 BAC/ORG	S304 19.7 ft bls 88/10/26 BAC/ORG	S304 29.6 ft bls 88/10/26 BAC/ORG	S304 30.1 ft bls 88/10/26 BAC/FD	S304 38.3 ft bls 88/10/26 BAC/ORG	S304 44.1 ft bls 88/10/26 BAC/ORG	S304 51.7 ft bls 88/10/26 BAC/ORG	S304 58.8 ft bls 88/10/26 BAC/ORG	S304 9.2 ft bls 88/10/26 BAC/ORG	S304A 78.3 ft bls 88/10/13 BAC/ORG
2,4'-DDD		<1(J)	<1(J)	<5(J)	<250(J)	<1000(J)	<1000(J)	<200(J)	<200(J)	<2.6(J)	<1(J)	<500(J)	<25000(J)
2,4'-DDE													
2,4'-DDT		<0.5(J)	<0.5(J)	<2.5(J)	<130(J)	<500(J)	<500(J)	<100(J)	<100(J)	<1.3(J)	<0.5(J)	<250(J)	
4,4'-DDD													
4,4'-DDE													
4,4'-DDT	650(J)												
Aldrin													
alpha-BHC					<100[EA]	<400[EA]	<400[EA]	<80[EA]	<80[EA]	<1[EA]	<0.4[EA]	<200[EA]	
gamma-BHC													
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S304A 81 ft bls 88/10/13 BAC/ORG	S305 14.6 ft bls 88/09/26 BAC/ORG	S305 34.3 ft bls 88/09/26 BAC/ORG	S305 37 ft bls 88/09/26 BAC/ORG	S305 44.3 ft bls 88/09/26 BAC/ORG	S305 44.8 ft bls 88/09/26 BAC/ORG	S305 54.3 ft bls 88/09/26 BAC/ORG	S305 64.3 ft bls 88/09/26 BAC/ORG	S305 74.7 ft bls 88/09/26 BAC/ORG	S305 8.3 ft bls 88/09/26 CAL/DEPA	S305 8.3 ft bls 88/09/26 CAL/DEPA	S305A 129.3 ft bls 88/10/17 BAC/ORG	S305A 73.2 ft bls 88/10/16 BAC/ORG
2,4'-DDD	<25000(J)						<0.1(J)	<1(J)					
2,4'-DDE							<0.05(J)	<0.5(J)					
2,4'-DDT		<2500(J)	<2500(J)	<500(J)	<2500(J)	<2500(J)	<0.05(J)	<0.5(J)	<250(J)				
4,4'-DDD													
4,4'-DDE											200(J)		
4,4'-DDT												24[EA]	130[EA]
Aldrin													
alpha-BHC													
gamma-BHC													
Gamma-Chlordane										0.17(J)			

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S305A 81.5 ft bls 88/10/16 BAC/ORG	S305A 90.9 ft bls 88/10/16 BAC/ORG	SP003 1.5 ft bls 88/09/16 ATI/ORG	SP003 2.25 ft bls 88/09/16 ATI/ORG	SP003 2.75 ft bls 88/09/16 E3I/OEPA	SP003 3.25 ft bls 88/09/16 ATI/ORG	SP003 4.5 ft bls 88/09/16 ATI/ORG	SP003 5.5 ft bls 88/09/16 ATI/ORG	SP004 3.5 ft bls 88/09/16 ATI/ORG	SP004 4 ft bls 88/09/16 ATI/FD	SP004 4.5 ft bls 88/09/16 ATI/ORG	SP004 5.5 ft bls 88/09/16 ATI/ORG	SP004A 2 ft bls 88/09/16 ATI/ORG
2,4'-DDD													
2,4'-DDE													
2,4'-DDT													
4,4'-DDD													
4,4'-DDE					0.0038(J)								
4,4'-DDT	8.4(J)[EA]	24000[EA]											
Aldrin			<0.025[EA]	<1.3[EA]		<0.025[EA]	<0.01[EA]	<6[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]
alpha-BHC													
gamma-BHC													
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	SP005 1.5 ft bls 88/09/16 ATI/ORG	SP005 6 ft bls 88/09/16 E3I/SEPA	T021B 2.5 ft bls 88/09/15 ATI/ORG	T022 4.5 ft bls 88/09/15 ATI/ORG	T022 6.5 ft bls 88/09/15 ATI/ORG	T022 8.5 ft bls 88/09/15 ATI/ORG	T023 0.75 ft bls 88/09/15 ATI/ORG	T023 1.25 ft bls 88/09/15 ATI/FD	T023 4.5 ft bls 88/09/15 ATI/ORG	T024 2.5 ft bls 88/09/15 ATI/ORG	T024 4.5 ft bls 88/09/15 ATI/ORG	T024 6.5 ft bls 88/09/15 ATI/ORG	T025 2.5 ft bls 88/09/15 ATI/ORG
2,4'-DDD													
2,4'-DDE													
2,4'-DDT													
4,4'-DDD													
4,4'-DDE													
4,4'-DDT			0.011[EA]	0.011[EA]	0.003[EA]	0.028[EA]	0.051[EA]	0.058[EA]	0.003[EA]	0.015[EA]	0.003[EA]	0.002[EA]	0.003[EA]
Aldrin	<0.05[EA]												
alpha-BHC		0.0085(J)											
gamma-BHC													
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T025 4.5 ft bls 88/09/15 ATI/ORG	T025 6.5 ft bls 88/09/15 ATI/ORG	T026 0.75 ft bls 88/09/15 ATI/ORG	T026 2.5 ft bls 88/09/15 ATI/ORG	T026 4.5 ft bls 88/09/15 ATI/ORG	T026 6.5 ft bls 88/09/15 ATI/ORG	T027 0.75 ft bls 88/09/15 ATI/ORG	T027 2.5 ft bls 88/09/15 ATI/ORG	T027 3 ft bls 88/09/16 E3I/QEPA	T027 4.5 ft bls 88/09/15 ATI/ORG	T027 6.5 ft bls 88/09/15 ATI/ORG	T027 8.5 ft bls 88/09/15 ATI/ORG	T027 9 ft bls 88/09/15 ATI/FD
2,4'-DDD													
2,4'-DDE													
2,4'-DDT													
4,4'-DDD													
4,4'-DDE													
4,4'-DDT	0.011[EA]	0.011[EA]	0.095[EA]	0.005[EA]	0.002[EA]	0.054[EA]							
Aldrin							<0.05[EA]	<0.1[EA]		<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]
alpha-BHC													
gamma-BHC									0.0026(J)				
Gamma-Chlordane													

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T033 12.5 ft bls 88/09/16 ATI/ORG	T033 15.5 ft bls 88/09/16 ATI/ORG	T033 18.5 ft bls 88/09/16 ATI/ORG	T033 21.5 ft bls 88/09/16 ATI/ORG	T033 9.5 ft bls 88/09/16 ATI/ORG	T034 1.5 ft bls 88/09/16 ATI/ORG	T034 2.5 ft bls 88/09/16 ATI/ORG	T034 3.5 ft bls 88/09/16 ATI/ORG	T034 4.5 ft bls 88/09/16 ATI/ORG	T034 5.5 ft bls 88/09/16 ATI/ORG	T034 6 ft bls 88/09/16 ATI/FD
2,4'-DDD											
2,4'-DDE											
2,4'-DDT											
4,4'-DDD											
4,4'-DDE											
4,4'-DDT											
Aldrin	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.01[EA]	<15[EA]	<13[EA]	<13[EA]	<1.5[EA]	<13[EA]	<13[EA]
alpha-BHC											
gamma-BHC											
Gamma-Chlordane											

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.1
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SOIL

NOTES: Soil samples analyzed for organochlorine pesticides using EPA Method 8080.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

ATI = Analytical Technologies, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
E3I = Energy & Env. Eng. INC.
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate Sample
OEPA = Original EPA Sample
ORG = Original Sample
QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates
RSED = Reanalysis of EPA split duplicate sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
[EA] = Estimated quantity due to accuracy goals not met.
[EH] = Estimated, Due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	MW002 52 ft bls 85/04/27 BAC/ORG	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG
1,1,1-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
1,2-Dichloroethylene												
1,2-Dichloropropane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Acrolein	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<6[EH]	<300[EH]	<60[EH]	<60[EH]	<300[EH]	<30[EH]	<30[EH]	<30[EH]
Acrylonitrile	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<6[EH]	<300[EH]	<60[EH]	<60[EH]	<300[EH]	<30[EH]	<30[EH]	<30[EH]
Benzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Bromodichloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Bromoform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Bromomethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Carbon Tetrachloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Chlorobenzene	14[EH]	1[EH]	96[EH]	420[EH]	38[EH]	4100[EH]	590[EH]	200[EH]	7400[EH]	9[EH]	6[EH]	24[EH]
Chloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Chloroform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Chloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Dibromochloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Ethylbenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Methylene Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Tetrachloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Toluene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Trichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]
Vinyl Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<3[EH]	<3[EH]	<3[EH]

NOTE: Data on this page collected during Pre Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW003 72 ft bls 85/04/27 BAC/ORG	MW003 77 ft bls 85/04/27 BAC/ORG	S101 32 ft bls 85/05/01 BAC/ORG	S101 37 ft bls 85/05/01 BAC/ORG	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
1,1,1-Trichloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1,2,2-Tetrachloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1,2-Trichloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1-Dichloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1-Dichloroethylene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,2-Dichloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,2-Dichloroethylene			30[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]
1,2-Dichloropropane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
2-Chloroethylvinyl ether	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Acrolein	<6[EH]	<6[EH]	<300[EH]	<300[EH]	<60[EH]	<60[EH]	<60[EH]
Acrylonitrile	<6[EH]	<6[EH]	<300[EH]	<300[EH]	<60[EH]	<60[EH]	<60[EH]
Benzene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromodichloromethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromoform	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromomethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Carbon Tetrachloride	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chlorobenzene	2[EH]	1[EH]	3400[EH]	3500[EH]	3800[EH]	1800[EH]	2900[EH]
Chloroethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chloroform	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chloromethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
cis-1,3-Dichloropropylene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Dibromochloromethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Ethylbenzene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Methylene Chloride	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Tetrachloroethylene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Toluene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
trans-1,2-Dichloroethylene	<0.6[EH]	<0.6[EH]	30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
trans-1,3-Dichloropropylene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Trichloroethylene	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Trichlorofluoromethane	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Vinyl Chloride	<0.6[EH]	<0.6[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]

NOTE: Data on this page collected during Pre Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	11D 2 ft bls 85/06/26 CAL/OEPA	11D 3.5 ft bls 85/06/26 CAL/OEPA	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 6.5 ft bls 85/06/26 CAL/OEPA	11D 8 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 2 ft bls 85/06/25 CAL/OEPA	12D 3.5 ft bls 85/06/25 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/DEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 6.5 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,1,2,2-Tetrachloroethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,1,2-Trichloroethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,1-Dichloroethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,1-Dichloroethylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,2-Dichloroethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
1,2-Dichloropropane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
2-Chloroethylvinyl ether				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
2-Hexanone				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
4-Methyl-2-Pentanone				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
Acetone			0.045(J)	0.043(J)[EH]			0.045(J)[EH]			0.048(J)[EH]	0.043(J)[EH]	
Benzene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Bromodichloromethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Bromoform				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Bromomethane				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
Carbon Disulfide				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Carbon Tetrachloride				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Chlorobenzene	0.44(J)	0.34(J)		<0.005[EH]	<0.05(J)	<0.05(J)	<0.005[EH]	0.87(J)	<0.05(J)	0.1(J)[EH]	0.082(J)[EH]	<0.05(J)
Chloroethane				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
Chloroform				<0.005[EH]			<0.005[EH]			<0.005[EH]	0.005(J)[EH]	
Chloromethane				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
cis-1,3-Dichloropropylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Dibromochloromethane				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Ethylbenzene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Methyl Ethyl Ketone			0.02(J)	0.02(J)[EH]			0.024(J)[EH]			0.02(J)[EH]	0.021(J)[EH]	
Methylene Chloride			0.005(J)	0.01(J)[EH]			0.0055(J)[EH]			0.016(J)[EH]	0.0066(J)[EH]	
Styrene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
TDC Benzene	<0.25(J)	<0.25(J)			<0.25(J)	<0.25(J)		<0.25(J)	<0.25(J)			<0.25(J)
Tetrachloroethylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Toluene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Total Xylenes				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
trans-1,2-Dichloroethylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
trans-1,3-Dichloropropylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Trichloroethylene				<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]	
Vinyl Acetate				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	
Vinyl Chloride				<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]	

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	12D 8 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 1.5 ft bls 85/06/25 CAL/OEPA	13D 2 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 4.5 ft bls 85/06/25 CAL/DEPA	13D 5 ft bls 85/06/25 CAL/OEPA	13D 6.5 ft bls 85/06/25 CAL/OEPA	13D 8 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	15D 9.5 ft bls 85/06/19 CAL/OEPA
1,1,1-Trichloroethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,1,2,2-Tetrachloroethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,1,2-Trichloroethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,1-Dichloroethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,1-Dichloroethylene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,2-Dichloroethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
1,2-Dichloropropane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
2-Chloroethylvinyl ether		<0.01[EH]	<0.01[EH]								<0.01[EH]	
2-Hexanone		<0.01[EH]	<0.01[EH]								<0.01[EH]	
4-Methyl-2-Pentanone		<0.01[EH]	<0.01[EH]								<0.01[EH]	
Acetone		0.024(J)[EH]	0.048(J)[EH]			0.099(J)					0.04(J)[EH]	0.049[J]
Benzene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Bromodichloromethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Bromoform		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Bromomethane		<0.01[EH]	<0.01[EH]								<0.01[EH]	
Carbon Disulfide		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Carbon Tetrachloride		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Chlorobenzene	<0.05(J)	0.041(J)[EH]	0.078(J)[EH]	0.26(J)	0.61(J)	1.9(J)	2.9(J)	0.44(J)	<0.05(J)	<0.05(J)	0.04(J)[EH]	
Chloroethane		<0.01[EH]	<0.01[EH]								<0.01[EH]	
Chloroform		<0.005[EH]	0.005(J)[EH]			0.016(J)					0.005(J)[EH]	
Chloromethane		<0.01[EH]	<0.01[EH]								<0.01[EH]	
cis-1,3-Dichloropropylene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Dibromochloromethane		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Ethylbenzene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Methyl Ethyl Ketone		0.012(J)[EH]	0.02(J)[EH]			0.023(J)					0.022(J)[EH]	
Methylene Chloride		0.018(J)[EH]	0.026(J)[EH]			0.005(J)					0.073(J)[EH]	
Styrene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
TDC Benzene	<0.26(J)			0.34(J)	1.1(J)		0.73(J)	<0.25(J)	<0.25(J)	<0.25(J)		
Tetrachloroethylene		<0.005[EH]	<0.005[EH]			0.005(J)					<0.005[EH]	
Toluene		<0.005[EH]	<0.005[EH]			0.0063(J)					<0.005[EH]	
Total Xylenes		<0.005[EH]	<0.005[EH]			0.0088(J)					<0.005[EH]	
trans-1,2-Dichloroethylene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
trans-1,3-Dichloropropylene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Trichloroethylene		<0.005[EH]	<0.005[EH]								<0.005[EH]	
Vinyl Acetate		<0.01[EH]	<0.01[EH]								<0.01[EH]	
Vinyl Chloride		<0.01[EH]	<0.01[EH]								<0.01[EH]	

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	21D 0.5 ft bls 85/06/24 CAL/DEPA	21D 2 ft bls 85/06/24 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA	21D 6 ft bls 85/06/24 CAL/DEPA	21D 6.5 ft bls 85/06/24 CAL/OEPA	21D 8 ft bls 85/06/24 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 1.5 ft bls 85/06/26 CAL/OEPA	22D 2 ft bls 85/06/26 CAL/OEPA	22D 3 ft bls 85/06/26 CAL/DEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 5 ft bls 85/06/26 CAL/OEPA
1,1,1-Trichloroethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,1,2,2-Tetrachloroethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,1,2-Trichloroethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,1-Dichloroethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,1-Dichloroethylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,2-Dichloroethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
1,2-Dichloropropane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
2-Chloroethylvinyl ether			<0.01[EH]				<0.01[EH]				<0.01[EH]	
2-Hexanone			<0.01[EH]				<0.01[EH]				<0.01[EH]	
4-Methyl-2-Pentanone			<0.01[EH]				<0.01[EH]				<0.01[EH]	
Acetone			0.03(J)[EH]				0.048(J)[EH]				0.046(J)[EH]	
Benzene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Bromodichloromethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Bromoform			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Bromomethane			<0.01[EH]				<0.01[EH]				<0.01[EH]	
Carbon Disulfide			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Carbon Tetrachloride			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Chlorobenzene	0.72(J)	1.4(J)	<0.005[EH]	<0.05(J)	<0.05(J)	<0.05(J)	<0.005[EH]	0.43(J)	0.67(J)	<0.05(J)	<0.005[EH]	<0.05(J)
Chloroethane			<0.01[EH]				<0.01[EH]				<0.01[EH]	
Chloroform			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Chloromethane			<0.01[EH]				<0.01[EH]				<0.01[EH]	
cis-1,3-Dichloropropylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Dibromochloromethane			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Ethylbenzene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Methyl Ethyl Ketone			0.018(J)[EH]				0.024(J)[EH]				0.02(J)[EH]	
Methylene Chloride			0.0077(J)[EH]				0.0088(J)[EH]				0.024(J)[EH]	
Styrene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
TDC Benzene	1.9(J)	0.89(J)		<0.25(J)	<0.25(J)	<0.25(J)		<0.25(J)	0.53(J)	<0.25(J)		<0.25(J)
Tetrachloroethylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Toluene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Total Xylenes			<0.005[EH]				<0.005[EH]				<0.005[EH]	
trans-1,2-Dichloroethylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
trans-1,3-Dichloropropylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Trichloroethylene			<0.005[EH]				<0.005[EH]				<0.005[EH]	
Vinyl Acetate			<0.01[EH]				<0.01[EH]				<0.01[EH]	
Vinyl Chloride			<0.01[EH]				<0.01[EH]				<0.01[EH]	

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	22D 6.5 ft bls 85/06/26 CAL/OEPA	22D 8 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 1.5 ft bls 85/06/25 CAL/OEPA	23D 2 ft bls 85/06/25 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 4.5 ft bls 85/06/25 CAL/OEPA	23D 6.5 ft bls 85/06/25 CAL/OEPA	23D 8 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 1.5 ft bls 85/06/25 CAL/OEPA	24D 11 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane			<0.005[EH]			<0.005[EH]				0.005(J)		
1,1,2,2-Tetrachloroethane			<0.005[EH]			<0.005[EH]						
1,1,2-Trichloroethane			<0.005[EH]			<0.005[EH]						
1,1-Dichloroethane			<0.005[EH]			<0.005[EH]				<0.005(J)		
1,1-Dichloroethylene			<0.005[EH]			<0.005[EH]						
1,2-Dichloroethane			<0.005[EH]			<0.005[EH]						
1,2-Dichloropropane			<0.005[EH]			<0.005[EH]						
2-Chloroethylvinyl ether			<0.01[EH]			<0.01[EH]						
2-Hexanone			<0.01[EH]			<0.01[EH]						
4-Methyl-2-Pentanone			<0.01[EH]			<0.01[EH]						
Acetone			0.036(J)[EH]			0.063[EH]				0.045(J)		
Benzene			<0.005[EH]			<0.005[EH]						
Bromodichloromethane			<0.005[EH]			<0.005[EH]						
Bromoform			<0.005[EH]			<0.005[EH]						
Bromomethane			<0.01[EH]			<0.01[EH]						
Carbon Disulfide			<0.005[EH]			<0.005[EH]						
Carbon Tetrachloride			<0.005[EH]			<0.005[EH]						
Chlorobenzene	<0.05(J)	<0.05(J)	<0.005[EH]	1.6(J)	1.1(J)	0.1(J)[EH]	<0.05(J)	0.13(J)	<0.05(J)	0.14(J)	1.1(J)	16000(J)
Chloroethane			<0.01[EH]			<0.01[EH]						
Chloroform			<0.005[EH]			<0.005[EH]				0.0088(J)		
Chloromethane			<0.01[EH]			<0.01[EH]						
cis-1,3-Dichloropropylene			<0.005[EH]			<0.005[EH]						
Dibromochloromethane			<0.005[EH]			<0.005[EH]						
Ethylbenzene			<0.005[EH]			<0.005[EH]						
Methyl Ethyl Ketone			0.02(J)[EH]			0.034[EH]				0.023(J)		
Methylene Chloride			0.005(J)[EH]			0.005[EH]				0.03(J)		
Styrene			<0.005[EH]			<0.005[EH]						
TDC Benzene	<0.25(J)	<0.25(J)		<0.25(J)	<0.25(J)		<0.25(J)	<0.25(J)	0.64(J)		0.37(J)	370(J)
Tetrachloroethylene			<0.005[EH]			<0.005[EH]				0.005(J)		
Toluene			<0.005[EH]			<0.005[EH]						
Total Xylenes			<0.005[EH]			<0.005[EH]						
trans-1,2-Dichloroethylene			<0.005[EH]			<0.005[EH]						
trans-1,3-Dichloropropylene			<0.005[EH]			<0.005[EH]						
Trichloroethylene			<0.005[EH]			<0.005[EH]				0.0069(J)		
Vinyl Acetate			<0.01[EH]			<0.01[EH]						
Vinyl Chloride			<0.01[EH]			<0.01[EH]						

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 14.5 ft bls 85/06/25 CAL/OEPA	24D 16 ft bls 85/06/25 CAL/OEPA	24D 16.5 ft bls 85/06/25 CAL/DEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 19.5 ft bls 85/06/25 CAL/OEPA	24D 2 ft bls 85/06/25 CAL/DEPA	24D 3 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 6.5 ft bls 85/06/25 CAL/OEPA	24D 8 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,1,2,2-Tetrachloroethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,1,2-Trichloroethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,1-Dichloroethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,1-Dichloroethylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,2-Dichloroethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
1,2-Dichloropropane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
2-Chloroethylvinyl ether	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
2-Hexanone	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
4-Methyl-2-Pentanone	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
Acetone	<1000(J)[EH]				<200[EH]				4.6(J)[EH]	0.037(J)[EH]		
Benzene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Bromodichloromethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Bromoform	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Bromomethane	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
Carbon Disulfide	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Carbon Tetrachloride	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Chlorobenzene	12000(J)[EH]	3300(J)	2600(J)	2900(J)	4600(J)[EH]	29(J)	7(J)	7.1(J)	20(J)[EH]	0.16(J)[EH]	0.26(J)	2.7(J)
Chloroethane	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
Chloroform	<500[EH]				<100[EH]				<1[EH]	0.051(J)[EH]		
Chloromethane	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
cis-1,3-Dichloropropylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Dibromochloromethane	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Ethylbenzene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Methyl Ethyl Ketone	<1000(J)[EH]				<200[EH]				5.1(J)[EH]	0.02(J)[EH]		
Methylene Chloride	<500(J)[EH]				<100[EH]				<1[EH]	0.017(J)[EH]		
Styrene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
TDC Benzene		65(J)	66(J)	42(J)		2.2(J)	1.5(J)	0.69(J)			<0.25(J)	0.3(J)
Tetrachloroethylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Toluene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Total Xylenes	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
trans-1,2-Dichloroethylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
trans-1,3-Dichloropropylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Trichloroethylene	<500[EH]				<100[EH]				<1[EH]	<0.005[EH]		
Vinyl Acetate	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		
Vinyl Chloride	<1000[EH]				<200[EH]				<2[EH]	<0.01[EH]		

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	24D 9.5 ft bls 85/06/25 CAL/OEPA	34D 1.5 ft bls 85/06/25 CAL/OEPA	34D 2 ft bls 85/06/25 CAL/OEPA	34D 3.5 ft bls 85/06/25 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 6.5 ft bls 85/06/25 CAL/OEPA	34D 7.5 ft bls 85/06/25 CAL/OEPA	34D 8 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 1.5 ft bls 85/06/25 CAL/OEPA	35A 3.5 ft bls 85/06/25 CAL/OEPA	35A 4.5 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane												
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane												
1,1-Dichloroethane												
1,1-Dichloroethylene												
1,2-Dichloroethane												
1,2-Dichloropropane												
2-Chloroethylvinyl ether												
2-Hexanone												
4-Methyl-2-Pentanone												
Acetone	0.097(J)				0.048(J)				0.047(J)			
Benzene									<0.005(J)			
Bromodichloromethane												
Bromoform												
Bromomethane												
Carbon Disulfide												
Carbon Tetrachloride												
Chlorobenzene	1.1(J)	3.2(J)	3.7(J)	0.31(J)	0.83(J)	0.48(J)	0.29(J)	0.33(J)	0.032(J)	11(J)	<0.05(J)	<0.05(J)
Chloroethane												
Chloroform	0.021(J)				0.0052(J)				0.028(J)			
Chloromethane												
cis-1,3-Dichloropropylene												
Dibromochloromethane												
Ethylbenzene												
Methyl Ethyl Ketone	0.025(J)				0.023(J)				0.022(J)			
Methylene Chloride	0.005(J)				0.015(J)				0.005(J)			
Styrene												
TOC Benzene		<0.25(J)	<0.25(J)	0.45(J)		0.64(J)	<0.25(J)	<0.25(J)		0.65(J)	<0.25(J)	<0.25(J)
Tetrachloroethylene					0.015(J)				0.021(J)			
Toluene												
Total Xylenes					0.0078(J)							
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene												
Trichloroethylene												
Vinyl Acetate												
Vinyl Chloride												

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	35A 5 ft bls 85/06/25 CAL/OEPA	35A 6 ft bls 85/06/25 CAL/OEPA	35A 6.5 ft bls 85/06/25 CAL/OEPA	35A 8 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA	VANNESS 0.25 ft bls 85/06/19 CAL/OEPA
1,1,1-Trichloroethane						
1,1,2,2-Tetrachloroethane						
1,1,2-Trichloroethane						
1,1-Dichloroethane						
1,1-Dichloroethylene						
1,2-Dichloroethane						
1,2-Dichloropropane						
2-Chloroethylvinyl ether						
2-Hexanone						
4-Methyl-2-Pentanone						
Acetone	0.05(J)				0.059(J)	0.046(J)
Benzene						
Bromodichloromethane						
Bromoform						
Bromomethane						
Carbon Disulfide						
Carbon Tetrachloride						
Chlorobenzene	0.046(J)	0.33(J)	<0.05(J)	<0.05(J)	0.11(J)	
Chloroethane						
Chloroform	0.015(J)				0.023(J)	
Chloromethane						
cis-1,3-Dichloropropylene						
Dibromochloromethane						
Ethylbenzene						
Methyl Ethyl Ketone	0.026(J)				0.024(J)	
Methylene Chloride	0.01(J)				0.041(J)	
Styrene						
TDC Benzene		0.31(J)	<0.25(J)	<0.25(J)		
Tetrachloroethylene						
Toluene						
Total Xylenes						
trans-1,2-Dichloroethylene						
trans-1,3-Dichloropropylene						
Trichloroethylene						
Vinyl Acetate						
Vinyl Chloride						

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	5-8-S-B ft bls 86/05/08 BAC/ORG	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC002 5 ft bls 86/05/01 BAC/ORG	JC002 5.5 ft bls 86/05/01 BAC/ORG	JC004 3.5 ft bls 86/05/01 VILO/SEPA	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA003 1 ft bls 86/05/06 VILO/OEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA005 4.5 ft bls 86/05/02 BAC/ORG	LA005 5 ft bls 86/05/02 BAC/ORG
1,1,1-Trichloroethane												
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane												
1,1-Dichloroethane												
1,1-Dichloroethylene												
1,2-Dichlorobenzene	<0.3[EH]		<0.3[EH]	<0.3[EH]							<0.3[EH]	<0.3[EH]
1,2-Dichloroethane												
1,2-Dichloropropane												
1,3-Dichlorobenzene	<0.3[EH]		<0.3[EH]	<0.3[EH]							<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]		<0.3[EH]	<0.3[EH]							<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether												
2-Hexanone												
4-Methyl-2-Pentanone												
Acetone	<3[EH]	0.01(J)	<3[EH]	<3[EH]			0.009(J)	0.01(J)	0.008(J)		<3[EH]	<3[EH]
Acrolein												
Acrylonitrile												
Benzene		0.003(J)										
Bromodichloromethane												
Bromoform												
Bromomethane												
Carbon Disulfide												
Carbon Tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform					0.001(J)							
Chloromethane												
cis-1,3-Dichloropropylene												
Dibromochloromethane												
Ethylbenzene		0.002(J)										
Hexamethylcyclotrisiloxane												
Methyl Ethyl Ketone												
Methylene Chloride						0.003(J)		0.002(J)	0.002(J)			
N-Methyl-Benzenethanamine												
Styrene												
Tetrachloroethylene												
Toluene							0.002(J)			0.004(J)		
Total Xylenes												
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene												
Trichloroethylene					0.002(J)							
Trichlorofluoromethane												
Trimethyl Silanol												
w/method)												
Vinyl Acetate												
Vinyl Chloride												

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA006 2.75 ft bls 86/05/06 VILO/OEPA	LA006 5 ft bls 86/05/06 VILO/DEPA	LA007 2.75 ft bls 86/05/06 VILO/OEPA	LA009 2.75 ft bls 86/05/05 BAC/ORG	LA009 4.25 ft bls 86/05/05 BAC/ORG	LA009 5.25 ft bls 86/05/05 BAC/ORG	MD002 1 ft bls 86/04/30 VILO/OEPA	MD002 5 ft bls 86/04/30 BAC/ORG	MD002 5.5 ft bls 86/04/30 BAC/ORG	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 5.75 ft bls 86/04/29 BAC/ORG	NS001 0.25 ft bls 86/05/20 VILO/OEPA
1,1,1-Trichloroethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,1,2,2-Tetrachloroethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,1,2-Trichloroethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,1-Dichloroethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,1-Dichloroethylene							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,2-Dichlorobenzene				<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]	<0.3[EH]		<0.3[EH]	
1,2-Dichloroethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,2-Dichloropropane							<0.006[EH]			<0.006[EH]		<0.005[EH]
1,3-Dichlorobenzene				<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]	<0.3[EH]		<0.3[EH]	
1,4-Dichlorobenzene				<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]	<0.3[EH]		<0.3[EH]	
2-Chloroethylvinyl ether							<0.012[EH]			<0.012[EH]		<0.01[EH]
2-Hexanone							<0.012[EH]			<0.012[EH]		<0.01[EH]
4-Methyl-2-Pentanone							<0.012[EH]			<0.012[EH]		0.17[EH]
Acetone	0.009(J)			<3[EH]	<3[EH]	<3[EH]	<0.012[EH]	<3[EH]	<3[EH]	0.032[EH]	<3[EH]	<0.01[EH]
Acrolein												
Acrylonitrile												
Benzene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Bromodichloromethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
Bromoform							<0.006[EH]			<0.006[EH]		<0.005[EH]
Bromomethane							<0.012[EH]			<0.012[EH]		<0.01[EH]
Carbon Disulfide							<0.006[EH]			<0.006[EH]		<0.005[EH]
Carbon Tetrachloride							<0.006[EH]			<0.006[EH]		<0.005[EH]
Chlorobenzene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Chloroethane							<0.012[EH]			<0.012[EH]		<0.01[EH]
Chloroform							<0.006[EH]			<0.006[EH]		<0.005[EH]
Chloromethane							<0.012[EH]			<0.012[EH]		<0.01[EH]
cis-1,3-Dichloropropylene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Dibromochloromethane							<0.006[EH]			<0.006[EH]		<0.005[EH]
Ethylbenzene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Hexamethylcyclotrisiloxane										0.007(J)[EH]		
Methyl Ethyl Ketone							<0.012[EH]			<0.012[EH]		<0.01[EH]
Methylene Chloride		0.002(J)	0.004(J)				<0.006[EH]			0.007[EH]		<0.005[EH]
N-Methyl-Benzeneethanaamine							0.012(J)[EH]					
Styrene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Tetrachloroethylene			0.002(J)				<0.006[EH]			0.007[EH]		<0.005[EH]
Toluene			0.002(J)				0.005(J)[EH]			0.005(J)[EH]		0.056(J)[EH]
Total Xylenes							<0.006[EH]			<0.006[EH]		<0.005[EH]
trans-1,2-Dichloroethylene							<0.006[EH]			<0.006[EH]		<0.005[EH]
trans-1,3-Dichloropropylene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Trichloroethylene							<0.006[EH]			<0.006[EH]		<0.005[EH]
Trichlorofluoromethane												
Trimethyl Silanol										0.006(J)[EH]		
w/method)												0.02(J)[EH]
Vinyl Acetate							<0.012[EH]			<0.012[EH]		<0.01[EH]
Vinyl Chloride							<0.012[EH]			<0.012[EH]		<0.01[EH]

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	NS013 0.25 ft bls 86/05/20 VILO/OEPA	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 61 ft bls 86/09/26 RMAL/OEPA	S203 20.5 ft bls 86/10/01 BAC/ORG	S203 42.5 ft bls 86/10/01 BAC/ORG	S203 50.5 ft bls 86/10/01 BAC/ORG	S204 26.5 ft bls 86/09/23 BAC/ORG	S204 30.5 ft bls 86/09/25 BAC/ORG	S204 42 ft bls 86/09/25 BAC/ORG	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 50.5 ft bls 86/09/25 BAC/ORG
1,1,1-Trichloroethane	<0.005[EH]											
1,1,2,2-Tetrachloroethane	<0.005[EH]											
1,1,2-Trichloroethane	<0.005[EH]											
1,1-Dichloroethane	<0.005[EH]											
1,1-Dichloroethylene	<0.005[EH]											
1,2-Dichlorobenzene												
1,2-Dichloroethane	<0.005[EH]											
1,2-Dichloropropane	<0.005[EH]											
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2-Chloroethylvinyl ether	<0.01[EH]											
2-Hexanone	<0.01[EH]											
4-Methyl-2-Pentanone	1.8[EH]											
Acetone	0.059(J)[EH]	11(J)	2.1(J)	86(J)								
Acrolein												
Acrylonitrile												
Benzene	<0.005[EH]											
Bromodichloromethane	<0.005[EH]											
Bromoform	<0.005[EH]											
Bromomethane	<0.01[EH]											
Carbon Disulfide	<0.005[EH]											
Carbon Tetrachloride	<0.005[EH]											
Chlorobenzene	<0.005[EH]							1[EP]	0.5[EP]	4[EP]		1[EP]
Chloroethane	<0.01[EH]											
Chloroform	<0.005[EH]				1[EA]	1[EA]	0.5[EA]				0.14(J)	
Chloromethane	<0.01[EH]											
cis-1,3-Dichloropropylene	<0.005[EH]											
Dibromochloromethane	<0.005[EH]											
Ethylbenzene	<0.005[EH]		2.1(J)									
Hexamethylcyclotrisiloxane												
Methyl Ethyl Ketone	1.33[EH]		2.2(J)								0.79(J)	
Methylene Chloride	0.041(J)[EH]	4.9(J)	1.3(J)	21(J)							0.26(J)	
N-Methyl-Benzeneethanamine												
Styrene	<0.005[EH]											
Tetrachloroethylene	<0.005[EH]											
Toluene	0.055[EH]											
Total Xylenes	<0.005[EH]											
trans-1,2-Dichloroethylene	<0.005[EH]											
trans-1,3-Dichloropropylene	<0.005[EH]											
Trichloroethylene	<0.005[EH]											
Trichlorofluoromethane												
Trimethyl Silanol												
w/method)												
Vinyl Acetate	<0.01[EH]											
Vinyl Chloride	<0.01[EH]											

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S204 51 ft bls 86/09/25 RMAL/OEPA	S204 60 ft bls 86/09/25 BAC/ORG	SP001A 6 ft bls 86/05/07 BAC/ORG	SP001A 7.5 ft bls 86/05/07 BAC/ORG	T031 1.5 ft bls 86/05/08 VILO/DSEP	T032 1 ft bls 86/05/08 VILO/SEPA	T033 3.25 ft bls 86/05/08 BAC/ORG	T033 3.75 ft bls 86/05/08 VILO/DSEP	T033 4.25 ft bls 86/05/08 BAC/ORG	T033 5.75 ft bls 86/05/08 BAC/ORG	T045 2 ft bls 86/05/09 BAC/ORG
1,1,1-Trichloroethane											<0.3[EH]
1,1,2,2-Tetrachloroethane											<0.3[EH]
1,1,2-Trichloroethane											<0.3[EH]
1,1-Dichloroethane											<0.3[EH]
1,1-Dichloroethylene											<0.3[EH]
1,2-Dichlorobenzene			<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloroethane											<0.3[EH]
1,2-Dichloropropane											<0.3[EH]
1,3-Dichlorobenzene			<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene			<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether											<0.3[EH]
2-Hexanone											
4-Methyl-2-Pentanone											
Acetone			<0.3[EH]	<0.3[EH]	0.012(J)		<3[EH]	0.013(J)	<3[EH]	<3[EH]	<3[EH]
Acrolein											<3[EH]
Acrylonitrile											<3[EH]
Benzene											<0.3[EH]
Bromodichloromethane											<0.3[EH]
Bromoform											<0.3[EH]
Bromomethane											<0.3[EH]
Carbon Disulfide											
Carbon Tetrachloride											<0.3[EH]
Chlorobenzene	0.2(J)	2400[EP]									0.8[EH]
Chloroethane											<0.3[EH]
Chloroform								0.005(J)			<0.3[EH]
Chloromethane											<0.3[EH]
cis-1,3-Dichloropropylene											<0.3[EH]
Dibromochloromethane											<0.3[EH]
Ethylbenzene											<0.3[EH]
Hexamethylcyclotrisiloxane											
Methyl Ethyl Ketone	1.1(J)										
Methylene Chloride	0.28(J)				0.004(J)	0.006(J)		0.005(J)			<0.3[EH]
N-Methyl-Benzeneethanaamine											
Styrene											
Tetrachloroethylene											<0.3[EH]
Toluene	0.17(J)					0.005(J)		0.004(J)			<0.3[EH]
Total Xylenes											
trans-1,2-Dichloroethylene											<0.3[EH]
trans-1,3-Dichloropropylene											<0.3[EH]
Trichloroethylene											<0.3[EH]
Trichlorofluoromethane											<0.3[EH]
Trimethyl Silanol											
w/method)											
Vinyl Acetate											
Vinyl Chloride											<0.3[EH]

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S101A 126.5 ft bls 88/11/02 BAC/ORG	S101A 69.3 ft bls 88/11/01 BAC/ORG	S101A 89.3 ft bls 88/11/01 BAC/ORG	S301 19.7 ft bls 88/10/24 BAC/ORG	S301 28 ft bls 88/10/24 BAC/ORG	S301 39.2 ft bls 88/10/25 BAC/ORG	S301 39.7 ft bls 88/10/25 BAC/FD	S301 50.3 ft bls 88/10/25 BAC/ORG	S301 60.4 ft bls 88/10/25 BAC/ORG	S301A 127.8 ft bls 88/10/15 BAC/ORG	S301A 72.6 ft bls 88/10/14 BAC/ORG	S301A 79.6 ft bls 88/10/14 BAC/ORG
1,1,1-Trichloroethane							<3(J)	<0.6(J)	<0.3(J)			<150(J)
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane						<150(J)						
1,1-Dichloroethane												
1,1-Dichloroethylene	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)
1,2-Dichlorobenzene											<0.3(J)	
1,2-Dichloroethane												
1,2-Dichloropropane												
1,3-Dichlorobenzene											<0.3(J)	
1,4-Dichlorobenzene											<0.3(J)	<150(J)
2-Chloroethylvinyl ether				<1100(J)	<22(J)							<2300(J)
Acetone	<6(J)	<3000(J)	<12000(J)			<600(J)	<60(J)	<12(J)	<6(J)			<3000(J)
Acrolein	<8(J)	<3800(J)	<15000(J)	<1900(J)	<38(J)	<750(J)	<75(J)	<15(J)	<8(J)	<8(J)	<8(J)	<3800(J)
Acrylonitrile	<3(J)	<1500(J)	<6000(J)	<750(J)	<15(J)	<300(J)	<30(J)	<6(J)	<3(J)	<3(J)	<3(J)	<1500(J)
Benzene												
Bromodichloromethane												
Bromoform	<0.3(J)	<150(J)	<600(J)			<30(J)	<3(J)	<0.6(J)	<0.3(J)			
Bromomethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)
Carbon Tetrachloride	<0.3(J)	<150(J)	<600(J)			<30(J)	<3(J)	<0.6(J)				<150(J)
Chlorobenzene												
Chloroethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)		<0.3(J)	<0.3(J)	<0.3(J)	<150(J)
Chloroform												
Chloromethane				<380(J)	<8(J)			<3(J)		<2(J)		
cis-1,3-Dichloropropylene						<150(J)	<15(J)	<3(J)	<2(J)			<750(J)
Methylene Chloride												
Tetrachloroethylene												
Toluene												
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene				<380(J)	<8(J)					<2(J)	<2(J)	
Trichloroethylene												
Trichlorofluoromethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)
Vinyl Chloride				<75(J)	<2(J)					<0.3(J)		

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S301A 82.1 ft bls 88/10/14 BAC/ORG	S301A 89.7 ft bls 88/10/14 BAC/ORG	S301B 9.2 ft bls 88/10/28 BAC/ORG	S302A 125.3 ft bls 88/10/18 BAC/ORG	S302A 73.5 ft bls 88/10/17 BAC/ORG	S302A 79.6 ft bls 88/10/18 BAC/ORG	S302E 8.3 ft bls 88/10/27 BAC/ORG	S302E 8.8 ft bls 88/10/27 BAC/FD	S302F 21.8 ft bls 88/10/28 BAC/ORG	S302F 31.3 ft bls 88/10/28 BAC/ORG	S302F 39.2 ft bls 88/10/28 BAC/ORG	S302F 39.7 ft bls 88/10/28 BAC/FD
1,1,1-Trichloroethane		<300(J)	<3(J)			<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
1,1,2,2-Tetrachloroethane				<1.2(J)								
1,1,2-Trichloroethane				<8(J)								
1,1-Dichloroethane												
1,1-Dichloroethylene	<0.3(J)	<300(J)	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
1,2-Dichlorobenzene	<0.3(J)											
1,2-Dichloroethane			<3(J)				<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)		
1,2-Dichloropropane				<1.2(J)								
1,3-Dichlorobenzene	<0.3(J)				<0.6(J)							
1,4-Dichlorobenzene	<0.3(J)					<0.3(J)						
2-Chloroethylvinyl ether				<20(J)		<5(J)						
Acetone			<60(J)	<24(J)	<12(J)	<6(J)	<12(J)	<6(J)	<6(J)	<6(J)		
Acrolein	<8(J)	<7500(J)	<75(J)	<32(J)	<16(J)	<8(J)	<15(J)	<8(J)	<8(J)	<8(J)	<8(J)	<8(J)
Acrylonitrile	<3(J)	<3000(J)	<30(J)	<12(J)	<6(J)	<3(J)	<6(J)	<3(J)	<3(J)	<3(J)	<3(J)	<3(J)
Benzene				<2.4(J)								
Bromodichloromethane				<1.2(J)								
Bromoform			<3(J)		<0.6(J)		<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
Bromomethane	<0.3(J)	<300(J)	<3(J)		<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
Carbon Tetrachloride		<300(J)	<3(J)			<0.3(J)			<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
Chlorobenzene				51(J)								
Chloroethane	<0.3(J)	<300(J)	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
Chloroform												
Chloromethane			<15(J)	<8(J)			<3(J)	<2(J)	<2(J)	<2(J)		
cis-1,3-Dichloropropylene			<16(J)			<2(J)			<2(J)	<2(J)		
Methylene Chloride				<12(J)			<6(J)	<3(J)				
Tetrachloroethylene											<0.3(J)	<0.3(J)
Toluene				<2.4(J)								
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene	<2(J)			<8(J)	<4(J)							
Trichloroethylene												
Trichlorofluoromethane	<0.3(J)	<300(J)	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)
Vinyl Chloride				<1.2(J)			<0.6(J)	<0.3(J)				

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S302F 49.2 ft bls 88/10/28 BAC/ORG	S302F 59.2 ft bls 88/10/28 BAC/ORG	S302F 9.1 ft bls 88/10/28 BAC/ORG	S303 129.6 ft bls 88/09/21 BAC/ORG	S303 16.4 ft bls 88/09/19 BAC/ORG	S303 25.7 ft bls 88/09/19 BAC/ORG	S303 36.7 ft bls 88/09/19 BAC/ORG	S303 48 ft bls 88/09/19 BAC/ORG	S303 48.5 ft bls 88/09/19 E3I/OEPA	S303 54.7 ft bls 88/09/19 BAC/ORG	S303 55.2 ft bls 88/09/19 BAC/FD	S303 8.4 ft bls 88/09/19 BAC/ORG
1,1,1-Trichloroethane			<0.3(J)									
1,1,2,2-Tetrachloroethane				<0.3(J)								
1,1,2-Trichloroethane												
1,1-Dichloroethane					<3(J)			<0.3(J)		<0.3(J)	<0.3(J)	
1,1-Dichloroethylene	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)	<3(J)	<0.3(J)	<0.3(J)	<0.3(J)		<0.3(J)	<0.3(J)	<0.3(J)
1,2-Dichlorobenzene												
1,2-Dichloroethane			<0.3(J)									
1,2-Dichloropropane												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene		<60(J)										
2-Chloroethylvinyl ether												
Acetone	<30(J)	<1200(J)	<6(J)	<3(J)								
Acrolein	<36(J)	<1500(J)	<8(J)	<6(J)	<60(J)	<8(J)	<8(J)	<8(J)		<8(J)	<8(J)	<8(J)
Acrylonitrile	<15(J)	<600(J)	<3(J)	<3(J)	<30(J)	<3(J)	<3(J)	<3(J)		<3(J)	<3(J)	<3(J)
Benzene												
Bromodichloromethane												
Bromoform	<1.5(J)		<0.3(J)									
Bromomethane	<1.5(J)	<60(J)	<0.3(J)			<0.3(J)	<0.3(J)					
Carbon Tetrachloride	<1.5(J)		<0.3(J)									
Chlorobenzene									0.3(J)			
Chloroethane	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)	<3(J)	<0.3(J)	<0.3(J)	<0.3(J)		<0.3(J)	<0.3(J)	<0.3(J)
Chloroform												
Chloromethane		<300(J)	<2(J)	<2(J)		<2(J)	<2(J)					
cis-1,3-Dichloropropylene		<300(J)	<2(J)	<2(J)								
Methylene Chloride						<3(J)	<3(J)					
Tetrachloroethylene												
Toluene									0.38(J)			
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene				<2(J)	<20(J)	<2(J)	<2(J)	<2(J)		<2(J)	<2(J)	<2(J)
Trichloroethylene												
Trichlorofluoromethane	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)	<3(J)	0.4(J)	0.4(J)	1.2(J)		<0.3(J)	<0.3(J)	<0.3(J)
Vinyl Chloride						<0.3(J)	<0.3(J)					

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S303A 83.5 ft bls 88/10/27 BAC/ORG	S303A 89.1 ft bls 88/10/27 BAC/ORG	S303A 91.6 ft bls 88/10/27 BAC/ORG	S304 19.7 ft bls 88/10/26 BAC/ORG	S304 29.6 ft bls 88/10/26 BAC/ORG	S304 30.1 ft bls 88/10/26 BAC/FD	S304 38.3 ft bls 88/10/26 BAC/ORG	S304 44.1 ft bls 88/10/26 BAC/ORG	S304 51.7 ft bls 88/10/26 BAC/ORG	S304 58.8 ft bls 88/10/26 BAC/ORG	S304 9.2 ft bls 88/10/26 BAC/ORG	S304A 78.3 ft bls 88/10/13 BAC/ORG
1,1,1-Trichloroethane		<0.3(J)				<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane												
1,1-Dichloroethane		<0.3(J)										
1,1-Dichloroethylene	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)
1,2-Dichlorobenzene												
1,2-Dichloroethane	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)			<60(J)				
1,2-Dichloropropane												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2-Chloroethylvinyl ether												
Acetone		<6(J)						<1200(J)				
Acrolein	<8(J)	<8(J)	<8(J)	<360(J)	<1500(J)	<1500(J)	<800(J)	<1500(J)	<8(J)	<8(J)	<3800(J)	<3000(J)
Acrylonitrile	<3(J)	<3(J)	<3(J)	<150(J)	<600(J)	<600(J)	<300(J)	<600(J)	<3(J)	<3(J)	<1500(J)	<1200(J)
Benzene												
Bromodichloromethane												
Bromoform		<0.3(J)				<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	
Bromomethane	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)
Carbon Tetrachloride						<60(J)	<30(J)		<0.3(J)	<0.3(J)	<150(J)	
Chlorobenzene		<0.3[EA]	<0.3[EA]						4.5(J)	1.5(J)		
Chloroethane	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)
Chloroform		<0.3(J)										
Chloromethane		<2(J)						<300(J)				<600(J)
cis-1,3-Dichloropropylene	<2(J)		<2(J)	<75(J)	<300(J)	<300(J)	<200(J)		<2(J)	<2(J)	<750(J)	
Methylene Chloride		<3(J)						<600(J)		<3(J)		
Tetrachloroethylene												
Toluene			1(J)									
trans-1,2-Dichloroethylene		<0.3(J)										
trans-1,3-Dichloropropylene												<600(J)
Trichloroethylene												
Trichlorofluoromethane	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)
Vinyl Chloride		<0.3(J)						<60(J)				<120(J)

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S304A 81 ft bls 88/10/13 BAC/ORG	S305 14.6 ft bls 88/09/26 BAC/ORG	S305 24.3 ft bls 88/09/26 BAC/ORG	S305 34.3 ft bls 88/09/26 BAC/ORG	S305 37 ft bls 88/09/26 BAC/ORG	S305 44.3 ft bls 88/09/26 BAC/ORG	S305 44.8 ft bls 88/09/26 BAC/FD	S305 54.3 ft bls 88/09/26 BAC/ORG	S305 64.3 ft bls 88/09/26 BAC/ORG	S305 7.8 ft bls 88/09/26 BAC/ORG	S305 74.7 ft bls 88/09/26 BAC/ORG	S305 8.3 ft bls 88/09/26 CAL/DEPA
1,1,1-Trichloroethane			<60(J)	<60(J)		<120(J)	<600(J)	<120(J)		<60(J)		
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane												
1,1-Dichloroethane												
1,1-Dichloroethylene	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)	<0.3(J)	<60(J)	<6(J)	
1,2-Dichlorobenzene												
1,2-Dichloroethane												
1,2-Dichloropropane												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2-Chloroethylvinyl ether												
Acetone									<6(J)			0.17(J)
Acrolein	<3000(J)	<3000(J)	<1500(J)	<1500(J)	<1500(J)	<3000(J)	<15000(J)	<600(J)	<8(J)	<1500(J)	<150(J)	
Acrylonitrile	<1200(J)	<1200(J)	<600(J)	<600(J)	<600(J)	<1200(J)	<6000(J)	<1200(J)	<3(J)	<600(J)	<60(J)	
Benzene			<120(J)	<120(J)		<240(J)	<1200(J)	<240(J)		<120(J)		
Bromodichloromethane												
Bromoform												
Bromomethane	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)		<60(J)	<6(J)	
Carbon Tetrachloride			<60(J)	<60(J)		<120(J)	<600(J)	<120(J)		<60(J)		
Chlorobenzene		6900(J)	2800(J)	4700(J)	2700(J)	5600(J)	7700(J)	6000(J)		1600(J)	370(J)	
Chloroethane	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)	<0.3(J)	<60(J)	<6(J)	
Chloroform												
Chloromethane	<600(J)	<600(J)			<300(J)				<2(J)		<30(J)	
cis-1,3-Dichloropropylene									<2(J)			
Methylene Chloride									<3(J)			
Tetrachloroethylene									<0.3(J)			
Toluene												
trans-1,2-Dichloroethylene												
trans-1,3-Dichloropropylene	<600(J)	<600(J)	<300(J)	<300(J)	<300(J)	<600(J)	<3000(J)	<600(J)	<2(J)	<300(J)	<30(J)	
Trichloroethylene			<60(J)	<60(J)		<120(J)	<600(J)	<120(J)		<60(J)		
Trichlorofluoromethane	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)	<0.3(J)	<60(J)	<6(J)	
Vinyl Chloride	<120(J)		<60(J)	<60(J)		<120(J)	<600(J)	<120(J)	<0.3(J)	<60(J)		

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S305A 129.3 ft bls 88/10/17 BAC/ORG	S305A 73.2 ft bls 88/10/16 BAC/ORG	S305A 81.5 ft bls 88/10/16 BAC/ORG	S305A 90.9 ft bls 88/10/16 BAC/ORG	T003 10 ft bls 88/09/16 E3I/OEPA	T046 21.75 ft bls 88/09/13 E3I/OEPA	T046 41.75 ft bls 88/09/13 E3I/OEPA	T052 61.75 ft bls 88/09/14 E3I/OEPA	T064 22.75 ft bls 88/09/14 E3I/OEPA
1,1,1-Trichloroethane			<0.3(J)						
1,1,2,2-Tetrachloroethane									
1,1,2-Trichloroethane									
1,1-Dichloroethane									
1,1-Dichloroethylene	<0.3(J)	<6(J)	<0.3(J)	<1500(J)					
1,2-Dichlorobenzene									
1,2-Dichloroethane									
1,2-Dichloropropane									
1,3-Dichlorobenzene				<1500(J)					
1,4-Dichlorobenzene			<0.3(J)						
2-Chloroethylvinyl ether			<5(J)						
Acetone			<6(J)	<30000(J)					
Acrolein	<8(J)	<150(J)	<8(J)	<38000(J)					
Acrylonitrile	<3(J)	<60(J)	<3(J)	<16000(J)					
Benzene									
Bromodichloromethane									
Bromoform				<1500(J)					
Bromomethane	<0.3(J)	<6(J)		<1500(J)					
Carbon Tetrachloride			<0.3(J)						
Chlorobenzene									
Chloroethane	<0.3(J)	<6(J)	<0.3(J)	<1500(J)					
Chloroform									
Chloromethane	<2(J)	<30(J)	<2(J)						
cis-1,3-Dichloropropylene			<2(J)						
Methylene Chloride									
Tetrachloroethylene									
Toluene					0.58(J)	0.6(J)	0.5(J)	0.37(J)	0.63(J)
trans-1,2-Dichloroethylene									
trans-1,3-Dichloropropylene	<2(J)	<30(J)		<7500(J)					
Trichloroethylene									
Trichlorofluoromethane	<0.3(J)	<6(J)	<0.3(J)	<1500(J)					
Vinyl Chloride	<0.3(J)	<6(J)							

NOTE: Data on this page collected during Part 2 Phase 2A (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.2
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SOIL

NOTES: Soil samples analyzed for volatile organic compounds using EPA Method 8020, 8240, or 8260.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell
CAL = California Analytical
E3I = Energy & Env. Eng. INC.
RMAL = Rocky Mountain Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate Sample
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA.

(J) = Estimated: Qualitatively correct but quantitatively suspect.
[EA] = Estimated quantity due to accuracy goals not met.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/DEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA
Bis(2-ethylhexyl) phthalate	0.33(J)		0.33(J)	0.33(J)	0.33(J)		0.33(J)		0.33(J)	0.33(J)	0.33(J)	0.33(J)
Di-n-butyl phthalate	0.33(J)	0.33(J)	0.33(J)			0.33(J)	0.33(J)	0.33(J)	0.33(J)			0.33(J)

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 5 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA
Bis(2-ethylhexyl) phthalate	0.5(J)			0.66(J)	0.33(J)	0.33(J)	0.33(J)
Di-n-butyl phthalate	0.33(J)	13(J)	20(J)	0.66(J)			

NOTE: Data on this page collected during Part 1 (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC003 5.5 ft bls 86/05/01 VILO/OEPA	JC003 6 ft bls 86/05/01 VILO/DEPA	JC004 3.5 ft bls 86/05/01 VILO/SEPA	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA003 1 ft bls 86/05/06 VILO/OEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA004 5 ft bls 86/05/02 VILO/SEPA	LA005 2.75 ft bls 86/05/02 VILO/SEPA
(E)-2-Methyl-3-Heptene									0.25(J)			
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1-Propenyl-Benzene				0.23(J)			0.17(J)					
2,4'-DDE					0.6(J)							
2,4,6-Trichlorophenol												
2,4-Dichlorophenol												
2-Chlorophenol												
3,4-Benzofluoranthene												
Pentanone	29(J)	8.1(J)	23(J)	21(J)			60(J)	29(J)	9.4(J)	20(J)	2.7(J)	64(J)
4-Methyl-3-Penten-2-One	3.9(J)		3.4(J)		0.41(J)		4.7(J)	4(J)	0.25(J)		3.8(J)	5.5(J)
Acenaphthylene												
Aldol Condensation Product												
Chloro-					0.35(J)							
(Chloroethenylidene)					0.5(J)							
Alpha					1.8(J)							
Benzo(a)anthracene												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzoic Acid												
Bis(2-ethylhexyl) phthalate	0.21(J)			0.13(J)								
Butyl benzyl phthalate												
Di-n-butyl phthalate					0.038(J)	0.061(J)						
Fluoranthene												
Heptane, 2,3-Dimethyl					0.96(J)				0.81(J)			
Heptane, 4-(1-Methylethyl)-					2.1(J)				1.8(J)			
Isopropyl Benzene	3.2(J)		2.9(J)	6.4(J)	4.7(J)		5.3(J)	3.9(J)	4.3(J)	4.6(J)		5.3(J)
o-Xylene/Ortho Xylene												
Octane, 4-methyl-					1.4(J)							
Pyrene												
Toluene												
w/method)	3.44(J)	8.7(J)	4.43(J)	12.51(J)	3.61(J)		7.196(J)	4.03(J)	4.5(J)	6.3(J)	8.31(J)	7.13(J)
Unknown DDT Isomer					6.9(J)							
Unknown DDT Metabolite										7.21(J)		
Unknown Hydrocarbon	3.3(J)	3.42(J)	3.31(J)	1.4(J)			1.15(J)	3.6(J)	0.7(J)	6.12(J)	2.14(J)	0.74(J)
Unknown PAH												
Unknown Pesticide					6.22(J)							
Unknown Substituted Benzene		3.2(J)										0.17(J)
Unknown Substituted PAH												

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA006 2.75 ft bls 86/05/06 VILO/OEPA	LA006 5 ft bls 86/05/06 VILO/DEPA	LA007 2.75 ft bls 86/05/06 VILO/OEPA	MD002 1 ft bls 86/04/30 VILO/OEPA	MD002 3.25 ft bls 86/04/30 VILO/DEPA	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 1.5 ft bls 86/04/29 VILO/OEPA	NS001 0.25 ft bls 86/05/20 VILO/OEPA	NS013 0.25 ft bls 86/05/20 VILO/OEPA	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 61 ft bls 86/09/26 RMAL/OEPA
(E)-2-Methyl-3-Heptene		0.34(J)	0.33(J)									
1,2,4-Trichlorobenzene										0.12(J)		
1,2-Dichlorobenzene											0.15(J)	
1,3-Dichlorobenzene												0.089(J)
1,4-Dichlorobenzene											0.28(J)	
1-Propenyl-Benzene												
2,4'-DDE												
2,4,6-Trichlorophenol											0.21(J)	
2,4-Dichlorophenol										0.26(J)	0.17(J)	
2-Chlorophenol										0.32(J)		
3,4-Benzofluoranthene									0.61(J)			
Pentanone	30(J)	4.5(J)	4.6(J)	17(J)	18(J)	20(J)	57(J)					
4-Methyl-3-Penten-2-One			0.37(J)									
Acenaphthylene									0.42(J)			
Aldol Condensation Product												
Chloro-												
(Chloroethenylidene)												
Alpha												
Benzo(a)anthracene					0.32(J)				0.61(J)			
Benzo(b)fluoranthene									0.61(J)			
Benzo(k)fluoranthene					0.37(J)				0.57(J)			
Benzoic Acid												0.2(J)
Bis(2-ethylhexyl) phthalate				0.11(J)							0.14(J)	
Butyl benzyl phthalate								0.97(J)				
Di-n-butyl phthalate												
Fluoranthene					0.26(J)							
Heptane, 2,3-Dimethyl		0.83(J)	0.93(J)									
Heptane, 4-(1-Methylethyl)-		2(J)	2(J)									
Isopropyl Benzene	5.2(J)	4.3(J)	4.3(J)	6.2(J)	6.7(J)		6.8(J)					
o-Xylene/Ortho Xylene	0.15(J)											
Octane, 4-methyl-		1.6(J)	1.5(J)									
Pyrene					0.21(J)							
Toluene	1.2(J)	0.89(J)	0.91(J)									
w/method)	4.46(J)	3.41(J)	3.78(J)	13.23(J)	12.21(J)	6.8(J)	11.4(J)					
Unknown DDT Isomer												
Unknown DDT Metabolite												
Unknown Hydrocarbon	5.05(J)	0.33(J)		1.6(J)	1.03(J)	5.99(J)						
Unknown PAH					1.1(J)							
Unknown Pesticide												
Unknown Substituted Benzene				0.42(J)	0.21(J)	2.2(J)	0.2(J)					
Unknown Substituted PAH						0.41(J)						

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 51 ft bls 86/09/25 RMAL/OEPA	SP002 1.5 ft bls 86/05/08 VILO/RASE	T031 1.5 ft bls 86/05/08 VILO/DSEP	T031 3.25 ft bls 86/05/08 VILO/SEPA	T032 1 ft bls 86/05/08 VILO/SEPA	T032 3.75 ft bls 86/05/08 VILO/DEPA	T033 1.5 ft bls 86/05/08 VILO/SEPA	T033 3.75 ft bls 86/05/08 VILO/DSEP
(E)-2-Methyl-3-Heptene									
1,2,4-Trichlorobenzene									
1,2-Dichlorobenzene									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
1-Propenyl-Benzene									
2,4'-DDE									
2,4,6-Trichlorophenol									
2,4-Dichlorophenol									
2-Chlorophenol	0.067(J)	0.046(J)							
3,4-Benzofluoranthene					<0.38(J)				
Pentanone									
4-Methyl-3-Penten-2-One			3(J)	0.21(J)				0.29(J)	
Acenaphthylene					<0.38(J)				
Aldol Condensation Product				7.1(J)				8.5(J)	
Chloro-									
(Chloroethenylidene)									
Alpha									
Benzo(a)anthracene					<0.38(J)				
Benzo(b)fluoranthene					<0.38(J)				
Benzo(k)fluoranthene					<0.38(J)				
Benzoic Acid									
Bis(2-ethylhexyl) phthalate	0.059(J)	0.053(J)							
Butyl benzyl phthalate									
Di-n-butyl phthalate				0.076(J)		0.064(J)	0.056(J)	0.083(J)	0.078(J)
Fluoranthene									
Heptane, 2,3-Dimethyl				0.3(J)				0.69(J)	
Heptane, 4-(1-Methylethyl)-				1.1(J)					
Isopropyl Benzene				2.7(J)				3.4(J)	
o-Xylene/Ortho Xylene									
Octane, 4-methyl-				0.81(J)				1(J)	
Pyrene									
Toluene									
w/method)			9.32(J)	3.34(J)				3.67(J)	
Unknown DDT Isomer				0.72(J)				0.44(J)	
Unknown DDT Metabolite									
Unknown Hydrocarbon			11.76(J)					1.1(J)	
Unknown PAH									
Unknown Pesticide				1.2(J)				0.78(J)	
Unknown Substituted Benzene									
Unknown Substituted PAH									

NOTE: Data on this page collected during Part 2 Phase 1 (See RI Report Tables 2.4 and 2.5).
See last page of this table for footnotes.

TABLE D.3
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

NOTES: Soil samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG= Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

CAL = California Analytical
RMAL = Rocky Mountain Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
OEPA = Original EPA Sample
RASE = Reanalysis of EPA split Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.

TABLE D.4
QUALIFIED DATA, TRACE METALS IN SOIL

COMPOUND (MG/KG)	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	14D 5 ft bls 85/06/19 CAL/OEPA	14D 9.5 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 9.5 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/OEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA
Antimony										<6.5(J)							
Arsenic				81(J)	78(J)	64(J)	75(J)	98(J)	67(J)	65(J)							
Barium				176(J)	219(J)	171(J)	199(J)	171(J)	122(J)	131(J)							
Cyanide				<2.2(J)	<2.2(J)	<2.2(J)	<2.1(J)	<2.2(J)	<2.1(J)	<2(J)							
Mercury																	
Potassium	2554(E)	5159(E)	5698(E)												4111(E)	5573(E)	3226(E)
Sodium				<2181(J)	2794(J)	<972(J)	<856(J)	<654(J)	<273(J)	<76(J)							
Thallium																	
Tin											<10.7(J)	26(J)	<10.5(J)	25(J)			

NOTE: Data on this page collected during Part I (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.4
QUALIFIED DATA, TRACE METALS IN SOIL

COMPOUND (MG/KG)	24D 18 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 5 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA	35D 2 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA	35D 9.5 ft bls 85/06/18 CAL/OEPA	36D 4.5 ft bls 85/06/19 CAL/OEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 9.5 ft bls 85/06/19 CAL/OEPA	46D 10.5 ft bls 85/06/19 CAL/DEPA
Antimony																		
Arsenic				79(J)	71(J)	69(J)	91(J)	<3(J)				83(J)	88(J)	60(J)	83(J)	70(J)	79(J)	77(J)
Barium				223(J)	182(J)	220(J)	212(J)					171(J)	208(J)	172(J)	266(J)	143(J)	190(J)	187(J)
Cyanide				<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)					<2.2(J)	<2.2(J)	<2.1(J)	<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)
Mercury																		
Potassium	5482(E)	3092(E)	3798(E)					3115(E)	4641(E)	4274(E)	5498(E)							
Sodium				<245(J)	<45(J)	<615(J)						<961(J)	<501(J)	<546(J)	<324(J)	<339(J)	<602(J)	<543(J)
Thallium																		
Tin																		

NOTE: Data on this page collected during Part I (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.4
QUALIFIED DATA, TRACE METALS IN SOIL

COMPOUND (MG/KG)	46D 11 ft bls 85/06/18 CAL/OEPA	46D 6 ft bls 85/06/18 CAL/OEPA	ARTESIA 0.25 ft bls 85/06/19 CAL/OEPA	VANNESS 0.25 ft bls 85/06/19 CAL/OEPA
Antimony			<6.1(J)	
Arsenic	93(J)	83(J)		
Barium	244(J)	188(J)		
Cyanide	<2.2(J)	<2.2(J)	<1.8(J)	<1.8(J)
Mercury			0.4(J)	
Potassium			4404(J)	<1999(J)
Sodium	<1884(J)	<572(J)		
Thallium			<6.1(J)	
Tin				

NOTE: Data on this page collected during Part I (See RI Report Tables 2.3 and 2.4).
See last page of this table for footnotes.

TABLE D.4
QUALIFIED DATA, TRACE METALS IN SOIL

NOTES: Soil samples analyzed for trace metal compounds using one or more of the following methods:

EPA-206.3
EPA-208.1
EPA-335.3
EPA-245.1
EPA-258.1
EPA-273.1
EPA-310.1
EPA-204.1
EPA-282.2
EPA-278.1

Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG= Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

CAL = California Analytical

DEPA = Duplicate EPA Sample
OEPA = Original EPA Sample

(J) = Estimated: Qualitatively correct but quantitatively suspect.
(E) = Estimated: Analyte concentration exceeds the calibration range.

TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-01 85/07/01 BAC/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-01 87/02/26 BAC/ORG	MW-01 87/03/31 BAC/ORG	MW-01 87/11/17 BAC/ORG	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/18 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-02 85/08/13 CAL/OEPA	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-02 87/02/26 BAC/FD	MW-02 87/02/26 BAC/LD	MW-02 87/02/26 BAC/ORG
2,4'-DDD		<1(J)	<1(J)	<0.1(J)	<0.1(J)			<5(J)					2(NJ)	<1(J)	<0.1(R)	<0.01(R)	<0.1(R)
2,4'-DDE		<1(J)	<1(J)	<0.1(J)	<0.1(J)			<5(J)					<1(J)	<1(J)	<0.1(R)	<0.01(R)	<0.1(R)
2,4'-DDT		<1(J)	<1(J)	<0.2(J)	<0.2(J)			<5(J)					3(NJ)	<2(J)	<0.2(R)	<0.02(R)	<0.2(R)
4,4'-DDD	<0.5[EH]	2.2(NJ)	2.7(NJ)	<0.1(J)	<0.1(J)			<5(J)	0.84(J)				3(NJ)	5.6(NJB)	5.4(R)	8.9(R)	3.3(R)
4,4'-DDE	<0.5[EH]	<1(J)	<1(J)	<0.1(J)	<0.1(J)							65(J)	11(NJ)	<1(J)	<0.1(R)	1(R)	0.31(R)
4,4'-DDT	17[EH]	2.4(NJ)	3.1(NJ)	<0.2(J)	<0.2(J)		19[EB]						11(NJ)	7.3(NJB)	8.2(R)	16(R)	5.2(R)[EP]
Aldrin	4.3[EH]								16(J)								
alpha-BHC	220[EH]	39(NJ)	140(NJ)	8.3(NJB)	2.7(NJB)	52[EA]		67(J)	<0.053(J)				260(NJ)	330(NJB)			
alpha-Endosulfan	<0.5[EH]																
beta-BHC	29[EH]	13(NJ)	2.4(NJ)	3.1(NJB)	1.6(NJB)				<0.053(J)				<1(J)	<1(J)	5(R)	0.75(R)	0.69(R)
beta-Endosulfan	<0.5[EH]								<0.11(J)								
Chloral	<0.5[EH]																
Chlordane	<3[EH]																
delta-BHC	6.6[EH]	16(NJ)	16(NJ)	2.5(NJB)	0.98(NJB)				<0.053(J)				<1(J)	3.2(NJB)	3.8(R)	3.3(R)	3.3(R)
Dieldrin	<0.5[EH]																
Endosulfan 1	<0.5[EH]																
Endosulfan 2	<0.5[EH]								<0.11(J)								
Endosulfan sulfate	<1[EH]																
Endrin	<1[EH]								<0.11(J)								
Endrin aldehyde	<1[EH]																
gamma-BHC	33[EH]	53(NJ)	13(NJ)	10(NJB)	3.6(NJB)			200(J)		150(EP)	160[EP]		1.5(NJ)	<1(J)	5.7(R)	1.2(R)	1.1(R)
Heptachlor	<1[EH]																
Heptachlor epoxide	<1(EH)								<0.053(J)								
PCB 1016	<10[EH]																
PCB 1221	<10[EH]																
PCB 1232	<10[EH]																
PCB 1242	<10[EH]																
PCB 1248	<10[EH]																
PCB 1254	<10[EH]																
PCB 1260	<10[EH]																
PCB 1262	<10[EH]																
Total BHC		120(NJ)	170(NJ)	24(NJB)	8.9(NJB)								260(NJ)	330(NJB)	14(R)	5.3(R)	5.1(R)
Total DDT		4.6(NJ)	5.8(NJ)	<0.2(J)	<0.2(J)		19[EB]						30(NJ)	13(NJB)	15(R)	<0.02(R)	5.8(R)[EP]
Toxephene	<10[EH]																

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-02 87/04/02 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-03 87/01/09 BAC/ORG	MW-03 87/01/14 BAC/ORG	MW-03 87/02/26 BAC/ORG	MW-03 87/04/01 BAC/ORG	MW-03 89/02/08 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-04 87/02/26 BAC/ORG	MW-04 87/04/01 BAC/ORG	MW-04 88/10/13 BAC/ORG	MW-04 89/02/08 BAC/ORG	MW-04 89/05/18 BAC/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG
2,4'-DDD	<0.1(R)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(J)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)			<0.2(J)	<1(J)	<1(J)
2,4'-DDE	<0.1(R)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(J)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)		<0.5(J)	<0.2(J)	<1(J)	<1(J)
2,4'-DDT	<0.2(R)		<0.2(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.05(J)		<0.1(J)	<0.02(J)	<0.02(J)	<0.02(J)		<0.5(J)		<2(J)	<2(J)
4,4'-DDD	15(R)		1.6(NJB)	0.37(NJB)	<0.01(J)	0.13(NJ)	<0.05(J)	0.15(J)	0.35(NJB)	0.12(NJB)	<0.01(J)	<0.01(J)				2.4(NJB)	1.7(NJB)
4,4'-DDE	0.54(R)		0.2(NJB)	<0.01(J)	<0.01(J)	<0.01(J)			<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)				<1(J)	<1(J)
4,4'-DDT	17(R)		2.4(NJB)	0.22(NJB)	<0.02(J)	<0.02(J)			0.65(NJB)	0.17(NJB)	<0.02(J)	<0.02(J)	13[ET]			4.8(NJB)	3.3(NJB)
Aldrin																	
alpha-BHC		0.04(J)	<0.05(J)	<0.005(J)	<0.005(J)	<0.005(J)	<0.05(J)		<0.05(J)	1.6(NJB)	<0.005(J)	<0.005(J)		<0.5(J)		78(NJB)	48(NJB)
alpha-Endosulfan																	
beta-BHC	0.76(R)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)			<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)		<0.5(J)	<0.2(J)	1.1(NJB)	<1(J)
beta-Endosulfan																	
Chloral																	
Chlordane																	
delta-BHC	5.8(R)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)			<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)				11(NJB)	7.1(NJB)
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin																	
Endrin aldehyde																	
gamma-BHC	1.2(R)[EP]		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)			<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)				8(NJB)	4.8(NJB)
Heptachlor																	
Heptachlor epoxide																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
PCB 1262																	
Total BHC	7.8(R)		<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)			<0.1(J)	1.6(NJB)	<0.01(J)	<0.01(J)				99(NJB)	60(NJB)
Total DDT	33(R)[EP]		4.2(NJB)	0.59(NJB)	<0.02(J)	0.13(NJ)			1(NJB)	0.29(NJB)	<0.02(J)	<0.02(J)	13[ET]			7.2(NJB)	5(NJB)
Toxaphene																	

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-05 87/01/12 BAC/ORG	MW-05 87/02/26 BAC/ORG	MW-05 87/04/02 BAC/ORG	MW-05 87/11/18 BAC/ORG	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 89/02/08 BAC/ORG	MW-06 89/10/27 BAC/ORG	MW-06 90/02/24 BAC/ORG	MW-07 89/02/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG
2,4'-DDD	<1(J)	<0.1(R)	<0.1(R)		<5(J)							<0.04[E]	<0.5(J)				
2,4'-DDE	<1(J)	<0.1(R)	<0.1(R)							<0.5(J)		<0.04[E]					
2,4'-DDT	<2(J)	<0.2(R)	<0.2(R)		<5(J)					<0.5(J)		<0.04[E]	<0.5(J)	<5(J)			
4,4'-DDD	0.73(NJ)	<0.1(R)	0.94(R)		<5(J)	1.1(J)	0.48(J)	<0.02(J)	<0.02(J)			<0.04[E]		<5(J)			
4,4'-DDE	<1(J)	<0.1(R)	0.88(R)		<5(J)							<0.04[E]					
4,4'-DDT	0.28(NJ)	<0.2(R)	0.29(R)			0.39(J)	0.17(J)					<0.04[E]				0.03[EB]	0.03[EB]
Aldrin						0.082(J)											
alpha-BHC	90(NJ)	16(R)	<0.05(R)					<0.02(J)	<0.02(J)	<0.5(J)		<0.4[E]			<0.02(J)	<0.02(J)	<0.02(J)
alpha-Endosulfan																	
beta-BHC	15(NJ)	0.26(R)	1.2(R)		<5(J)					1(J)		0.73[E]	<0.5(J)	<5(J)			
beta-Endosulfan																	
Chloral																	
Chlordane																	
delta-BHC	18(NJ)	1.2(R)	9.8(R)								0.4[EA]	0.25[E]					
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin						0.15(J)											
Endrin aldehyde																	
gamma-BHC	100(NJ)	1.1(R)	8.2(R)[EP]	11[EA]			1.7(J)	0.88(J)	0.9(J)		1[EP]	1.2[E]					
Heptachlor						0.098(J)	0.068(J)										
Heptachlor epoxide																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
PCB 1262																	
Total BHC	220(NJ)	19(R)	19(R)									2.2[E]					
Total DDT	1(NJ)	<0.2(R)	2.1(R)[EP]									<0.04[E]				0.03[EB]	0.03[EB]
Toxaphene																	

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-08 89/10/27 BAC/ORG	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/17 BAC/ORG	MW-09 89/10/27 BAC/ORG	MW-09 90/04/20 BAC/ORG	MW-10 89/02/03 BAC/ORG	MW-10 89/02/10 BAC/FD	MW-10 89/02/10 BAC/ORG	MW-10 89/10/27 BAC/ORG	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-11 89/02/10 BAC/ORG	MW-11 89/10/27 BAC/ORG	MW-12 89/02/02 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-12 90/02/24 BAC/ORG
2,4'-DDD						<0.04[EH]	<0.05(J)[EH]				<0.5(J)	<0.05(R)			<0.5(J)	<0.5(J)	<0.04[E]
2,4'-DDE						<0.04[EH]	<0.05[EH]					<0.05(R)					<0.04[E]
2,4'-DDT						<0.04[EH]	<0.05(J)[EH]	<0.05(J)	<0.05(J)		<0.5(J)	<0.05(R)	<5(J)		<0.5(J)	<0.5(J)	<0.04[E]
4,4'-DDD						<0.04[EH]	<0.05[EH]	<0.05(J)	<0.05(J)			<0.05(R)	<5(J)			<0.5(J)	<0.04[E]
4,4'-DDE						<0.04[EH]	<0.05[EH]					<0.05(R)				<0.5(J)	<0.04[E]
4,4'-DDT				<0.02(J)		0.05[EH]	<0.05[EH]					<0.05(R)					<0.04[E]
Aldrin																	
alpha-BHC		<0.2(J)	<0.2(J)			<8[EH]	0.21[EH]					<0.05(R)					<0.8[E]
alpha-Endosulfan																	
beta-BHC						<8[EH]	<0.05(J)[EH]	<0.05(J)	<0.05(J)		<0.5(J)	<0.05(R)	<5(J)		<0.5(J)	<0.5(J)	<0.04[E]
beta-Endosulfan																	
Chloral																	
Chlordane																	
delta-BHC						<8[EH]	<0.05[EH]					<0.05(R)		2[EA]			<0.04[E]
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin																	
Endrin aldehyde																	
gamma-BHC	<0.04[EA]				<0.4(EA)	<8[EH]	<0.05[EH]			<0.04[EA]		<0.05(R)		13[EP]			<0.04[E]
Heptachlor																	
Heptachlor epoxide																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
PCB 1262																	
Total BHC						<8[EH]	0.21[EH]					<0.05[UT]					<0.04[E]
Total DDT						0.05[EH]	<0.05[EH]										<0.04[E]
Toxaphene																	

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-13 89/02/01 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-13 90/02/24 BAC/ORG	MW-13 90/04/21 BAC/ORG	MW-14 89/02/01 BAC/ORG	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-14 90/02/24 BAC/ORG	MW-15 89/01/30 BAC/ORG	MW-15 89/02/08 BAC/ORG	MW-17 90/04/16 BAC/ORG	MW-20 90/04/06 BAC/ORG	MW-22 90/04/19 BAC/ORG
2,4'-DDD	<0.02(J)	<0.05(J)	<0.04[E]		<0.02(J)					<0.04[E]					
2,4'-DDE		<0.05(J)	<0.04[E]							<0.04[E]		<0.5(J)			
2,4'-DDT		<0.05(J)	<0.04[E]			<0.05(J)	<0.05(J)			<0.04[E]	<0.05(J)	<0.5(J)			
4,4'-DDD	<0.02(J)	<0.05(J)	<0.04[E]		<0.02(J)	<0.05(J)	<0.05(J)			<0.04[E]	<0.05(J)		0.12[EB]		
4,4'-DDE	<0.02(J)		<0.04[E]		<0.02(J)					<0.04[E]					
4,4'-DDT	<0.02(J)		<0.04[E]		<0.02(J)					<0.04[E]			0.14[UB]	0.4[EP]	
Aldrin															
alpha-BHC	0.29[EA]	0.29(J)	0.29[E]	0.19[EA]	<0.02[EA]					<0.04[E]		0.93(J)			<0.04[EA]
alpha-Endosulfan															
beta-BHC			<0.04[E]			<0.05(J)	<0.05(J)	0.52[EP]	<0.04[EP]	<0.04[E]		<0.5(J)			
beta-Endosulfan															
Chloral															
Chlordane															
delta-BHC			<0.04[E]					0.13[EA]	0.17[EA]	<0.04[E]					
Dieldrin															
Endosulfan 1															
Endosulfan 2															
Endosulfan sulfate															
Endrin															
Endrin aldehyde															
gamma-BHC			<0.04[E]							<0.04[E]	1.6(J)				
Heptachlor															
Heptachlor epoxide															
PCB 1016															
PCB 1221															
PCB 1232															
PCB 1242															
PCB 1248															
PCB 1254															
PCB 1260															
PCB 1262															
Total BHC			0.29[E]							<0.04[E]					
Total DDT			<0.04[E]							<0.04[E]			0.26[EB]		
Toxaphene															

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD	BF-01 87/01/13 BAC/ORG	BF-01 87/02/27 BAC/ORG	BF-01 87/04/01 BAC/ORG	BF-01 88/10/14 BAC/ORG	BF-01 89/02/08 BAC/ORG	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG	BF-02 87/02/27 BAC/ORG	BF-02 87/04/01 BAC/ORG	BF-02 88/10/13 BAC/ORG	BF-02 89/02/08 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-03 87/02/27 BAC/ORG	BF-03 87/04/01 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)	<0.1(J)	0.07(R)	<0.01(R)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)	<0.1(J)	<0.01(R)	<0.01(R)	<0.01(J)
2,4'-DDT	0.14(NJ)	<0.02(R)	<0.02(R)	<0.02(R)	<0.02(J)		<0.05(J)	<0.02(J)	<0.02(R)	<0.02(R)	<0.02(J)		<0.05(J)	<0.2(J)	0.22(R)	<0.02(R)	<0.02(J)
4,4'-DDD	0.14(NJ)	0.07(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)	0.17(NJB)	0.21(R)	<0.01(R)	0.15(NJ)	4.7(UT)	<0.05(J)	<0.1(J)	0.23(R)	0.095(R)	0.3(NJ)
4,4'-DDE	0.04(NJ)	0.04(R)	<0.01(R)	<0.01(R)	<0.01(J)			0.03(NJB)	0.02(R)	<0.01(R)	<0.01(J)			<0.1(J)	<0.01(R)	<0.01(R)	<0.01(J)
4,4'-DDT	0.06(NJ)	0.06(R)[EP]	0.07(R)[EP]	<0.02(R)	<0.02(J)	18(UT)		<0.02(J)	0.08(R)[EP]	<0.02(R)	<0.02(J)	10(UT)		0.43(NJB)	0.52(R)[EP]	0.095(R)	0.25(NJ)
alpha-BHC	0.08(NJ)	0.12(R)	0.08(R)	<0.005(R)	<0.005(J)		<0.05(J)	0.72(NJB)	0.37(R)	0.37(R)	<0.005(J)		<0.05(J)	0.72(NJB)	1.3(R)	0.21(R)	0.031(NJ)
beta-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)			0.11(NJB)	0.13(R)	0.18(R)	0.056(NJ)			<0.1(J)	0.24(R)	0.062(R)	0.078(NJ)
delta-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)			0.16(NJB)	0.17(R)	0.2(R)	0.021(NJ)			0.29(NJB)	0.19(R)	0.092(R)	0.052(NJ)
gamma-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)			0.23(NJB)	0.09(R)	0.17(R)	0.065(NJ)			0.46(NJB)	0.71(R)	0.12(R)	0.18(NJ)
Total BHC	0.08(NJ)	0.12(R)	0.08(R)	<0.01(R)	<0.01(J)			1.2(NJB)	0.76(R)	0.92(R)	0.14(NJ)			1.5(NJB)	2.4(R)	0.48(R)	0.34(NJ)
Total DDT	0.38(NJ)	0.19(R)[EP]	0.07(R)[EP]	<0.02(R)	<0.02(J)	18(UT)		0.2(NJB)	0.31(R)[EP]	<0.02(R)	0.15(NJ)	15(UT)		0.43(NJB)	1(R)[EP]	0.19(R)	0.55(NJ)

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	BF-03 87/11/18 BAC/ORG	BF-03 88/10/14 BAC/FD	BF-03 88/10/14 BAC/ORG	BF-03 89/02/08 BAC/ORG	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-04 87/02/27 BAC/ORG	BF-04 87/04/02 BAC/FD	BF-04 87/04/02 BAC/LD	BF-04 87/04/02 BAC/ORG	BF-04 88/04/21 ATI/SPT	BF-04 89/02/08 BAC/ORG	BF-05 89/02/02 BAC/ORG	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG	BF-05 89/05/16 BAC/ORG	BF-08 89/02/01 BAC/FD
2,4'-DDD				<0.05(J)	<0.1(J)	0.84(NJB)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)			<0.5(J)	<0.05(J)	<0.05(J)		<0.02(J)
2,4'-DDE				<0.05(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)		<0.5(J)					
2,4'-DDT				<0.05(J)	0.06(NJB)	0.5(NJB)	<0.2(R)	<0.2(R)	<0.2(R)	<0.2(R)		<0.5(J)	<0.5(J)	<0.05(J)	<0.05(J)		
4,4'-DDD				<0.05(J)	0.08(NJB)	0.5(NJB)	<0.1(R)	1.2(R)	0.96(R)	1.5(R)				<0.05(J)	<0.05(J)		<0.02(J)
4,4'-DDE					0.16(NJB)	<0.1(J)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)				<0.05(J)	<0.05(J)		<0.02(J)
4,4'-DDT		43[UT]	23[UT]		<0.1(J)	0.7(NJB)	<0.2(R)	<0.2(R)	<0.2(R)	<0.2(R)							<0.02(J)
alpha-BHC				<0.05(J)	5(NJB)	8.7(NJB)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)		<0.5(J)				<0.02(J)	0.16[EA]
beta-BHC					<0.1(J)	<0.1(J)	0.037(R)	0.25(R)	0.26(R)	0.34(R)		<0.5(J)	<0.5(J)	<0.05(J)	<0.05(J)		
delta-BHC					0.11(NJB)	0.2(NJB)	0.027(R)	1.3(R)	1.2(R)	1.4(R)							
gamma-BHC	0.072[EA]				0.15(NJB)	0.3(NJB)	0.013(R)	0.28(R)[EP]	0.22(R)	0.32(R)[EP]							
Total BHC	0.19[EP]				5.3(NJB)	7.2(NJB)	0.077(R)	1.8(R)	1.7(R)	2.1(R)	4.3[UT]						
Total DDT		43[UT]	23[UT]		0.32(NJB)	2.3(NJB)	<0.2(R)	1.2(R)[EP]	0.96(R)	1.5(R)[EP]							

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	BF-06 89/02/01 BAC/ORG	BF-06 89/02/08 BAC/DRG	BF-06 90/02/24 BAC/ORG	BF-07 89/02/01 BAC/ORG	BF-07 89/02/09 BAC/ORG	BF-07 90/02/24 BAC/FD	BF-07 90/02/24 BAC/ORG	BF-08 89/01/30 BAC/ORG	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG	BF-09 89/02/02 BAC/DRG	BF-09 89/02/09 BAC/ORG	BF-09 90/02/24 BAC/ORG	BF-09 90/04/19 BAC/ORG	BF-12 90/04/19 BAC/ORG	BF-13 90/04/19 BAC/ORG	BF-17 90/04/19 BAC/ORG
2,4'-DDD	<0.02(J)	<0.05(J)	<0.04[E]	<0.2(J)		<0.04[E]	<0.04[E]		<0.05(J)	<0.05(J)	<0.5(J)		<0.8[E]				
2,4'-DDE		<0.05(J)	<0.04[E]	<0.2(J)		<0.04[E]	<0.04[E]		<0.05(J)	<0.05(J)			<0.8[E]				
2,4'-DDT		<0.05(J)	<0.04[E]	<0.2(J)	<0.5(J)	<0.04[E]	<0.04[E]	<0.05(J)	<0.05(J)	<0.05(J)	<0.5(J)	<0.5(J)	<0.8[E]				
4,4'-DDD	<0.02(J)	<0.05(J)	<0.04[E]	<0.2(J)	<0.5(J)	<0.04[E]	<0.04[E]	<0.05(J)	<0.05(J)	<0.05(J)		<0.5(J)	11[E]				
4,4'-DDE	<0.02(J)		<0.04[E]	<0.2(J)		<0.04[E]	<0.04[E]						0.82[E]				
4,4'-DDT	<0.02(J)		<0.04[E]	<0.2(J)		<0.04[E]	<0.04[E]						1.9[E]				
alpha-BHC	0.14[EA]	0.13(J)	0.13[E]	<0.2[EA]		<0.4[E]	<0.4[E]		<0.05(J)	<0.05(J)			<0.8[E]	<2[EA]	<0.04[EA]	<0.04[EA]	<0.04[EA]
beta-BHC			<0.04[E]		<0.5(J)	0.1[E]	0.1[E]				<0.5(J)	<0.5(J)	<0.8[E]				
delta-BHC			<0.04[E]			<0.04[E]	<0.04[E]						<0.8[E]				
gamma-BHC			<0.04[E]			<0.04[E]	<0.04[E]						<0.8[E]				
Total BHC			0.13[E]			0.1[E]	0.1[E]						<0.8[E]				
Total DDT			<0.04[E]			<0.04[E]	<0.04[E]						14[E]				

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-01 87/02/27 BAC/ORG	G-01 87/04/01 BAC/ORG	G-01 87/11/17 BAC/LD	G-01 88/10/13 BAC/ORG	G-01 89/02/07 BAC/ORG	G-02 87/01/07 BAC/ORG	G-02 87/01/12 BAC/ORG	G-02 87/02/26 BAC/ORG	G-02 87/04/01 BAC/FD	G-02 87/04/01 BAC/LD	G-02 87/04/01 BAC/ORG	G-02 88/10/13 BAC/ORG	G-02 89/02/08 BAC/ORG	G-03 87/01/07 BAC/ORG
2,4'-DDD	<0.1(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)			<0.05(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)		<0.05(J)	<0.01(J)
2,4'-DDE	<0.1(R)	<0.01(J)	0.05(R)	<0.01(R)	<0.01(J)				<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)		<0.05(J)	<0.01(J)
2,4'-DDT	<0.2(R)	<0.02(J)	0.1(R)	<0.02(R)	<0.02(J)			<0.05(J)	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)		<0.05(J)	<0.02(J)
4,4'-DDD	<0.1(R)	0.04(NJ)	0.11(R)	<0.01(R)	<0.01(J)		15[UT]	<0.05(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)		<0.05(J)	<0.01(J)
4,4'-DDE	<0.1(R)	0.06(NJ)	<0.01(R)	<0.01(R)	0.12(NJ)			<0.05(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)			<0.01(J)
4,4'-DDT	<0.2(R)	0.03(NJ)	0.09(R)[EP]	<0.02(R)	0.063(NJ)		37[UT]		<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	18[UT]		<0.02(J)
Aldrin																	
alpha-BHC	<0.05(R)	<0.005(J)	<0.005(R)	<0.005(R)	<0.005(J)				0.02(NJB)	<0.005(J)	<0.005(R)	<0.005(J)	<0.005(J)	<0.005(J)		<0.05(J)	0.02(NJB)
alpha-Endosulfan																	
beta-BHC	<0.1(R)	<0.01(J)	0.03(R)	<0.01(R)	<0.01(J)	0.03[UB]		<0.05(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)			<0.01(J)
beta-Endosulfan																	
Chlordane																	
delta-BHC	<0.1(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	0.02[UB]			<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)			<0.01(J)
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin																	
Endrin Ketone																	
gamma-BHC	<0.1(R)	<0.01(J)	0.02(R)	<0.01(R)	<0.01(J)				<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)			<0.01(J)
Heptachlor																	
Heptachlor epoxide																	
Methoxychlor																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
Total BHC	<0.1(R)	<0.01(J)	0.05(R)	<0.01(R)	<0.01(J)	0.05[UB]			0.02(NJB)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)			0.02(NJB)
Total DDT	<0.2(R)	0.13(NJ)	0.35(R)[EP]	<0.02(R)	0.18(NJ)		52[UT]		<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	18[UT]		<0.02(J)
Toxaphene																	

NOTE: See last page of this table for footnotes.

TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	G-03 87/01/13 BAC/LD	G-03 87/01/13 BAC/ORG	G-03 87/02/27 BAC/FD	G-03 87/02/27 BAC/ORG	G-03 87/04/01 BAC/ORG	G-03 88/10/13 BAC/ORG	G-03 89/02/08 BAC/ORG	G-03 90/04/19 BAC/ORG	G-04 89/02/02 BAC/ORG	G-04 89/02/07 BAC/ORG	G-04 89/05/16 BAC/ORG	G-04 90/02/24 BAC/ORG	G-05 89/02/01 BAC/ORG	G-05 89/02/08 BAC/FD	G-05 89/02/08 BAC/ORG	G-05 90/04/21 BAC/FD	G-05 90/04/21 BAC/ORG
2,4'-DDD	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)		<0.5(J)	<0.05(J)		<0.04[E]	<0.02(J)	<0.05(J)	<0.05(J)		
2,4'-DDE	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.05(J)					<0.04[E]		<0.05(J)	<0.05(J)		
2,4'-DDT	<0.02(R)	<0.02(R)	<0.02(R)	<0.02(R)	<0.02(J)		<0.05(J)		<0.5(J)	<0.05(J)		<0.04[E]		<0.05(J)	<0.05(J)		
4,4'-DDD	<0.01(R)	<0.01(R)	0.15(R)	<0.01(R)	<0.01(J)		<0.05(J)			<0.05(J)		<0.04[E]	<0.02(J)	<0.05(J)	<0.05(J)		
4,4'-DDE	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)					<0.05(J)		<0.04[E]	<0.02(J)				
4,4'-DDT	0.08(R)	0.14(R)[EP]	0.052(R)	<0.02(R)	<0.02(J)	7[UT]						<0.04[E]	<0.02(J)				
Aldrin																	
alpha-BHC	<0.005(R)	<0.005(R)	<0.005(R)	<0.005(R)	<0.005(J)		<0.05(J)	<0.04[EA]			<0.02(J)	<0.04[E]	<0.02[EA]	<0.05(J)	<0.05(J)	<0.04[EA]	<0.04[EA]
alpha-Endosulfan																	
beta-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)				<0.5(J)	<0.05(J)		<0.04[E]					
beta-Endosulfan																	
Chlordane																	
delta-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)							<0.04[E]					
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin																	
Endrin Ketone																	
gamma-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)							<0.04[E]					
Heptachlor																	
Heptachlor epoxide																	
Methoxychlor																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
Total BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)							<0.04[E]					
Total DDT	0.08(R)	0.14(R)[EP]	0.2(R)	<0.02(R)	<0.02(J)	7[UT]						<0.04[E]					
Toxaphene																	

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	G-06 89/02/01 BAC/ORG	G-06 89/02/09 BAC/ORG	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/05/17 BAC/ORG	G-11 90/02/23 BAC/FD	G-11 90/04/18 BAC/ORG	G-12 89/10/27 BAC/FD	G-12 89/10/27 BAC/ORG	G-12 90/04/19 BAC/ORG	G-13 90/04/19 BAC/ORG	G-18 91/10/16 ATI/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LG-01 87/02/26 BAC/ORG
2,4'-DDD	<0.02(J)				<0.05(J)								<0.02[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
2,4'-DDE					<0.05(J)								<0.02[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
2,4'-DDT		<0.05(J)	<0.05(J)	<0.05(J)	<0.05(J)								<0.02[E]	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)
4,4'-DDD	<0.02(J)	<0.05(J)	0.46(J)	0.45(J)	<0.05(J)								<0.02[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
4,4'-DDE	<0.02(J)												<0.02[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
4,4'-DDT	<0.02(J)					0.07(J)							<0.02[E]	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)
Aldrin													<0.05[E]				
alpha-BHC	<0.02[EA]				<0.05(J)			<0.04[EA]			<0.04[EA]	<0.04[EA]	<0.01[E]	<0.005(J)	0.02(NJ)	0.01(NJ)	<0.005(R)
alpha-Endosulfan													<0.05[E]				
beta-BHC		<0.05(J)											<0.01[E]	<0.01(J)	0.04(NJ)	0.02(NJ)	<0.01(R)
beta-Endosulfan													<0.1[E]				
Chlordane													<0.5[E]				
delta-BHC													<0.01[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
Dieldrin													<0.1[E]				
Endosulfan 1													<0.05[E]				
Endosulfan 2													<0.1[E]				
Endosulfan sulfate													<0.1[E]				
Endrin													<0.1[E]				
Endrin Ketone													<0.1[E]				
gamma-BHC									<0.04[EA]	<0.04[EA]			<0.01[E]	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)
Heptachlor													<0.05[E]				
Heptachlor epoxide													<0.05[E]				
Methoxychlor													<0.5[E]				
PCB 1016													<0.5[E]				
PCB 1221													<0.5[E]				
PCB 1232													<0.5[E]				
PCB 1242													<0.5[E]				
PCB 1248													<0.5[E]				
PCB 1254													<0.5[E]				
PCB 1260													<0.5[E]				
Total BHC													<0.01[E]	<0.01(J)	0.06(NJ)	0.03(NJ)	<0.01(R)
Total DDT							0.31[UT]						<0.02[E]	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)
Toxaphene													<1[E]				

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	LG-01 87/03/31 BAC/ORG	LG-01 87/11/17 BAC/ORG	LG-01 88/10/13 BAC/ORG	LG-01 89/02/08 BAC/DRG	LG-02 89/02/02 BAC/FD	LG-02 89/02/02 BAC/ORG	LG-02 89/02/09 BAC/ORG	LG-02 90/04/19 BAC/ORG
2,4'-DDD	<0.01(J)			<0.05(J)	<0.5(J)	<0.5(J)		
2,4'-DDE	<0.01(J)			<0.05(J)				
2,4'-DDT	<0.02(J)			<0.05(J)	<0.5(J)	<0.5(J)	<0.05(J)	
4,4'-DDD	<0.01(J)			<0.05(J)			<0.05(J)	
4,4'-DDE	<0.01(J)							
4,4'-DDT	<0.02(J)		13[UT]					
Aldrin								
alpha-BHC	<0.005(J)			<0.05(J)				<0.04[EA]
alpha-Endosulfan								
beta-BHC	<0.01(J)				<0.5(J)	<0.5(J)	<0.05(J)	
beta-Endosulfan								
Chlordane								
delta-BHC	<0.01(J)	0.02[UB]						
Dieldrin								
Endosulfan 1								
Endosulfan 2								
Endosulfan sulfate								
Endrin								
Endrin Ketone								
gamma-BHC	<0.01(J)							
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
PCB 1016								
PCB 1221								
PCB 1232								
PCB 1242								
PCB 1248								
PCB 1254								
PCB 1260								
Total BHC	<0.01(J)	0.02[UB]						
Total DDT	<0.02(J)		13[UT]					
Toxaphene								

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	LW-01 90/04/19 BAC/FD	LW-01 90/04/19 BAC/ORG	LW-02 90/04/21 BAC/ORG
alpha-BHC	<0.04[EA]	<0.04[EA]	<0.04[EA]

NOTE: See last page of this table for footnotes.

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TABLE D.5
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

NOTES: Groundwater samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Well Identifier, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.

UG/L= Micrograms per liter
< = Less than; Numerical value is the limit of detection for this analysis.

ATI = Analytical Technologies, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity. QC criteria not met during data assessment; Limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, Due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; No QC problem identified.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 CAL/SEPA	MW-01 87/02/26 BAC/ORG	MW-01 88/01/19 BAC/ORG	MW-01 88/04/19 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 CAL/SEPA	MW-02 87/02/26 BAC/FD	MW-02 87/02/26 BAC/ORG	MW-02 87/04/02 BAC/ORG
1,1,1-Trichloroethane					<200[EH]		<200(J)								
1,1,2,2-Tetrachloroethane					<200[EH]										
1,1,2-Trichloroethane					<200[EH]										
1,1-Dichloroethane					<200[EH]										
1,1-Dichloroethylene					<200[EH]										
1,2-Dichlorobenzene					<200[EH]										
1,2-Dichloroethane					<200[EH]		<200(J)								
1,2-Dichloropropane					<200[EH]										
1,3-Dichlorobenzene					<200[EH]										
1,4-Dichlorobenzene					<200[EH]										
2-Chloroethylvinyl ether			<5000(R)		<200[EH]							<10000(R)			
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone					<2000[EH]				<2000(J)						
Acrolein					<2000[EH]		<4000(J)								
Acrylonitrile					<2000[EH]										
Benzene					10000[EH]	10000[EP]									
Bis(chloromethyl)ether					<200[EH]										
Bromochloromethane															
Bromodichloromethane			<2500(R)		<200[EH]		<200(J)					<5000(R)			
Bromoform					<200[EH]		<200(J)								
Bromomethane					<200[EH]										
Butane															
Carbon Disulfide															
Carbon Tetrachloride					220[EH]		<200(J)								
Chlorobenzene				18000[EP]	25000[EH]								250000[EP]	270000[EP]	
Chloroethane					<200[EH]										
Chloroform				5600[EP]	7500[EH]		7100(J)			8200(J)			7000[EP]	7500[EP]	7100[EA]
Chloromethane					<200[EH]										
cis & trans 1,3-Dichloropropene					<200[EH]										
cis-1,3-Dichloropropylene					<200[EH]										
Cyclopentane															
Dibromochloromethane					<200[EH]		<200(J)								
Dichlorodifluoromethane					<200[EH]										
Dimethyl Butane															
Dimethylcyclopropane															
Ethylbenzene					<200[EH]										
Methyl Ethyl Ketone			<5000(R)					<2500(J)				10000(R)			
Methylcyclohexane															
Methylcyclopentane															
Methylene Chloride		1600(J)			420[EH]		<200(J)	810(J)			3.5(J)				
Pentane															
Styrene															
Tetrachloroethylene		2400(J)	2500(J)		4100[EH]		3200(J)								
Toluene	110(J)				<200[EH]										
Total Xylenes															
trans-1,2-Dichloroethylene					<200[EH]		<200(J)								
trans-1,3-Dichloropropylene					<200[EH]		<200(J)								
Trichloroethylene					<200[EH]										
Trichlorofluoromethane					<200[EH]		<200(J)								
Trimethylbenzene															
Vinyl Acetate			<5000(R)					<2500(J)				<10000(R)			
Vinyl Chloride					<200[EH]		<200(J)								

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-03 85/08/13 CAL/SEPA	MW-03 86/08/13 BAC/ORG	MW-03 87/02/26 BAC/ORG	MW-03 87/11/18 BAC/FD	MW-03 88/10/12 ATI/SPT	MW-03 89/02/08 BAC/ORG	MW-03 89/10/28 BAC/ORG	MW-04 85/05/02 BAC/FD	MW-04 85/08/13 BAC/FD	MW-04 85/08/13 CAL/SEPA	MW-04 86/08/13 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-04 87/02/26 BAC/ORG	MW-04 87/04/01 BAC/ORG	MW-04 89/02/08 BAC/ORG
1,1,1-Trichloroethane		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
1,1,2,2-Tetrachloroethane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
1,1,2-Trichloroethane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
1,1-Dichloroethane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
1,1-Dichloroethylene		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
1,2-Dichlorobenzene		<10[EH]					<50[E/EH]				<100[EH]				
1,2-Dichloroethane		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
1,2-Dichloropropane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
1,3-Dichlorobenzene		<10[EH]					<50[E/EH]				<100[EH]				
1,4-Dichlorobenzene		<10[EH]					<50[E/EH]				<100[EH]				
2-Chloroethylvinyl ether	<50(R)	<10[EH]					<50[E/EH]	<5[EH]		<50(R)	<100[EH]				
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone	150(J)	<100[EH]	1800[UT]		1400[UT]		<500[E/EH]			64(J)	<1000[EH]				
Acrolein		<100[EH]				<200(J)	<1000[E/EH]	<50[EH]			<1000[EH]				<100(J)
Acrylonitrile		<100[EH]					<1000[E/EH]	<50[EH]			<1000[EH]				
Benzene		70[EH]					<50[E/EH]	<5[EH]			660[EH]				
Bis(chloromethyl)ether		<10[EH]									<100[EH]				
Bromochloromethane															
Bromodichloromethane	<25(R)	<10[EH]				<10(J)	<50[E/EH]	<5[EH]		<25(R)	<100[EH]				<5(J)
Bromoform		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
Bromomethane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
Butane		200[EH]													
Carbon Disulfide										25(J)					
Carbon Tetrachloride	25(J)	11[EH]				<10(J)	<50[E/EH]	10[EH]		25(J)	<100[EH]				<5(J)
Chlorobenzene		<10[EH]					<50[E/EH]	360[EH]	3[UT]		1600[EH]		58[EP]		
Chloroethane		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
Chloroform		560[EH]	670[EP]			540(J)	410[E/EH]	3300[EH]			7300[EH]	2900[EA]	31[EP]	59[EA]	28(J)
Chloromethane		<10[EH]					<100[E/EH]	<5[EH]			<100[EH]				
cis & trans 1,3-Dichloropropene		<10[EH]									<100[EH]				
cis-1,3-Dichloropropylene		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
Cyclopentene		20[EH]													
Dibromochloromethane		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
Dichlorodifluoromethane		<10[EH]									<100[EH]				
Dimethyl Butane		60[EH]													
Dimethylcyclopropane		100[EH]													
Ethylbenzene		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
Methyl Ethyl Ketone	50(R)									50(R)					
Methylcyclohexane		20[EH]													
Methylcyclopentane		100[EH]													
Methylene Chloride		<10[EH]					<50[E/EH]	<5[EH]			<100[EH]				
Pentane		100[EH]													
Styrene															
Tetrachloroethylene		38[EH]				23(J)	<50[E/EH]	850[EH]			1700[EH]				350(J)
Toluene		<10[EH]		11[EB]			<50[E/EH]	<5[EH]			<100[EH]				
Total Xylenes	25(J)	40[EH]													
trans-1,2-Dichloroethylene		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
trans-1,3-Dichloropropylene		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
Trichloroethylene		55[EH]					<50[E/EH]	<5[EH]		25(J)	<100[EH]				
Trichlorofluoromethane		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)
Trimethylbenzene															
Vinyl Acetate	<50(R)									<50(R)					
Vinyl Chloride		<10[EH]				<10(J)	<50[E/EH]	<5[EH]			<100[EH]				<5(J)

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-04 89/05/18 BAC/FD	MW-04 89/05/18 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 87/02/28 BAC/ORG	MW-05 87/04/02 BAC/ORG	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 89/02/06 BAC/ORG	MW-06 90/02/24 BAC/ORG	MW-06 91/04/25 BAC/ORG
1,1,1-Trichloroethane											<100(J)	<50(J)	<50(J)	<100[E]	
1,1,2,2-Tetrachloroethane														<100[E]	
1,1,2-Trichloroethane														<100[E]	
1,1-Dichloroethane														<100[E]	
1,1-Dichloroethylene														<100[E]	
1,2-Dichlorobenzene														<100[E]	
1,2-Dichloroethane											<100(J)	<50(J)	<50(J)	<100[E]	
1,2-Dichloropropane							<1000(J)							<100[E]	
1,3-Dichlorobenzene														<100[E]	
1,4-Dichlorobenzene														100[E]	
2-Chloroethylvinyl ether			<5000(R)	<5000(R)										<100[E]	
2-Hexanone										<500(J)					
4-Methyl-2-Pentanone															
Acetone	<100(J)	<100(J)								<500(J)				<1000[E]	
Acrolein	<200(J)	<200(J)					<20000(J)				<1000(J)	<1000(J)	<1000(J)	<2000[E]	
Acrylonitrile	<200(J)	<200(J)												<2000[E]	
Benzene			2500(J)	2500(J)										1400[E]	
Bis(chloromethyl)ether															
Bromochloromethane														<100[E]	
Bromodichloromethane			<2500(R)	<2500(R)							<100(J)	<50(J)	<50(J)		
Bromoform													<50(J)	<100[E]	
Bromomethane														<100[E]	
Butane															
Carbon Disulfide															
Carbon Tetrachloride							<1000(J)				740(J)	660(J)	470(J)	990[E]	
Chlorobenzene					110000[EP]									13000[E]	7800[EA]
Chloroethane														<100[E]	
Chloroform					45000(EP)	40000(EA)							4000(J)	8300[E]	
Chloromethane							<2000(J)							<200[E]	
cis & trans 1,3-Dichloropropene															
cis-1,3-Dichloropropylene														<100[E]	
Cyclopentene															
Dibromochloromethane											<100(J)	<50(J)	<50(J)	<100[E]	
Dichlorodifluoromethane															
Dimethyl Butane															
Dimethylcyclopropane															
Ethylbenzene														<100[E]	
Methyl Ethyl Ketone			5000(R)	<5000(R)				<5000(J)	<10000(J)	<500(J)					
Methylcyclohexane															
Methylcyclopentane															
Methylene Chloride	<10(J)	<10(J)					<1000(J)	1600(J)	3600(J)				<50(J)	<100[E]	
Pentane															
Styrene															
Tetrachloroethylene			2500(J)	2500(J)									1500(J)	3700[E]	
Toluene														<100[E]	
Total Xylenes															
trans-1,2-Dichloroethylene							<1000(J)				<100(J)	<50(J)	<50(J)	<100[E]	
trans-1,3-Dichloropropylene											<100(J)	<50(J)	<50(J)	<100[E]	
Trichloroethylene														300[E]	
Trichlorofluoromethane							<1000(J)				<100(J)	<50(J)	<50(J)	<100[E]	
Trimethylbenzene															
Vinyl Acetate			<5000(R)	<5000(R)				<5000(J)	<10000(J)						
Vinyl Chloride							<1000(J)				<100(J)	<50(J)	<50(J)	<100[E]	

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-07 89/02/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-07 90/02/24 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-08 90/02/22 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/SEPA	MW-09 89/05/17 BAC/ORG	MW-10 89/02/03 BAC/ORG	MW-10 89/02/10 BAC/FD
1,1,1-Trichloroethane		<200(J)	<500[E]						<1000[EH]			<1300(J)		<100(J)	
1,1,2,2-Tetrachloroethane			<500[E]						<1000[EH]			<1300(J)			
1,1,2-Trichloroethane			<500[E]						<1000[EH]			<1300(J)			
1,1-Dichloroethane			<500[E]						<1000[EH]			<1300(J)			
1,1-Dichloroethylene			<500[E]						<1000[EH]			590(J)			
1,2-Dichlorobenzene			<500[E]									<2500(J)			
1,2-Dichloroethane			3800[E]						<1000[EH]			<1300(J)		<100(J)	<10(J)
1,2-Dichloropropane		<200(J)	<500[E]						<1000[EH]			<1300(J)			
1,3-Dichlorobenzene			<500[E]									<2500(J)			
1,4-Dichlorobenzene			<500[E]									<2500(J)			
2-Chloroethylvinyl ether			<500[E]						<10000[EH]				<1000(J)		
2-Hexanone									<10000[EH]			<2500(J)			
4-Methyl-2-Pentanone									<10000[EH]			<2500(J)			
Acetone			<5000[E]	<10(J)	<10(J)	<10(J)	<10(J)		<10000(J)[EH]	<10000(J)	<10000(J)	1700(J)	<10000(J)	<1000(J)	
Acrolein	<5000(J)	<4000(J)	<10000[E]	<20(J)		<20(J)	<20(J)			<20000(J)	<20000(J)		<20000(J)	<2000(J)	<200(J)
Acrylonitrile			<10000[E]	<20(J)		<20(J)	<20(J)			<20000(J)	<20000(J)		<20000(J)		
Benzene			28000[E]					<1[EP]	<1000[EH]			590(J)			
Bis(chloromethyl)ether															
Bromochloromethane			<500[E]												
Bromodichloromethane									<1000[EH]			<1300(J)			
Bromoform	<250(J)	<200(J)	<500[E]	2(J)					<5000[EH]	<1000(J)	<1000(J)	<1300(J)			
Bromomethane	<250(J)		<500[E]						<10000[EH]			<2500(J)			
Butane															
Carbon Disulfide									<1000[EH]			<1300(J)			
Carbon Tetrachloride	<250(J)	<200(J)	<500[E]						<1000[EH]			28(J)		<100(J)	<10(J)
Chlorobenzene			630[E]						200000[EH]			150000(J)			
Chloroethane			<500[E]						<1000[EH]			<2500(J)			
Chloroform			840[E]						90000[EH]			120000(J)			
Chloromethane	<500(J)	<400(J)	<1000[E]			<2(J)	<2(J)		<10000[EH]			<2500(J)			<20(J)
cis & trans 1,3-Dichloropropene															
cis-1,3-Dichloropropylene			<500[E]						<1000[EH]			<1300(J)			
Cyclopentane															
Dibromochloromethane			<500[E]						<1000[EH]			<1300(J)			
Dichlorodifluoromethane															
Dimethyl Butane															
Dimethylcyclopropane															
Ethylbenzene			2200[E]						<1000[EH]			<1300(J)			
Methyl Ethyl Ketone									<10000[EH]			<2500(J)			
Methylcyclohexane															
Methylcyclopentane															
Methylene Chloride		<200(J)	<500[E]	2(J)[UB]	<5(J)	2(J)[UB]	2(J)[UB]		<5000(J)[EH]	<1000(J)	<1000(J)	1300(J)	<1000(J)		
Pentane															
Styrene									<1000[EH]			<1300(J)			
Tetrachloroethylene	<250(J)		<500[E]						<1000[EH]			100(J)		<100(J)	
Toluene			34000[E]	<1(J)		3(J)[UB]	3(J)[UB]		<1000(J)[EH]			230(J)			10(J)[EB]
Total Xylenes									<1000[EH]			<1300(J)			
trans-1,2-Dichloroethylene	<250(J)	<200(J)	<500[E]						<1000[EH]			<1300(J)		<100(J)	<10(J)
trans-1,3-Dichloropropylene			<500[E]						<1000[EH]			<1300(J)	<1000(J)	<100(J)	
Trichloroethylene			<500[E]						<1000[EH]			370(J)			
Trichlorofluoromethane	<250(J)	<200(J)	<500[E]											<100(J)	<10(J)
Trimethylbenzene															
Vinyl Acetate									<10000[EH]			<2500(J)			
Vinyl Chloride	<250(J)	<200(J)	<500[E]						<1000[EH]			<2500(J)		<100(J)	<10(J)

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-10 89/02/10 BAC/ORG	MW-10 90/02/22 BAC/ORG	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-11 89/02/10 BAC/ORG	MW-11 90/02/25 BAC/ORG	MW-12 89/02/02 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/10/25 BAC/ORG	MW-12 90/02/24 BAC/ORG	MW-13 89/02/01 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-13 89/05/17 ATI/SPT
1,1,1-Trichloroethane				<100(J)		<100(J)						<100[E]		<500(J)	
1,1,2,2-Tetrachloroethane												<100[E]			
1,1,2-Trichloroethane												<100[E]			
1,1-Dichloroethane												<100[E]			
1,1-Dichloroethylene												<100[E]			
1,2-Dichlorobenzene												<100[E]			
1,2-Dichloroethane				<100(J)	<200(J)				<100(J)			<100[E]		<500(J)	
1,2-Dichloropropane						<100(J)						<100[E]			
1,3-Dichlorobenzene												<100[E]			
1,4-Dichlorobenzene												<100[E]			
2-Chloroethylvinyl ether												<100[E]			
2-Hexanone			<2000(J)												
4-Methyl-2-Pentanone															
Acetone			<2000(J)	<1000(J)						7800(J)[UT]		<1000[E]			<1000(J)
Acrolein	<200(J)			<2000(J)	<4000(J)	<2000(J)		<4000(J)	<2000(J)			<2000[E]	<2000(J)	<10000(J)	
Acrylonitrile												<2000[E]			
Benzene							2100[ET]					11000[E]			
Bis(chloromethyl)ether															
Bromochloromethane												<100[E]			
Bromodichloromethane														<500(J)	
Bromoform					<200(J)	<100(J)		<200(J)				<100[E]		<500(J)	
Bromomethane								<200(J)				<100[E]			
Butane															
Carbon Disulfide															
Carbon Tetrachloride	<10(J)			<100(J)	<200(J)	<100(J)		<200(J)	<100(J)			<100[E]	<100(J)	<500(J)	
Chlorobenzene		870[EA]										5700[E]			
Chloroethane												<100[E]			
Chloroform											8100[ET]	5700[E]		1000(J)	
Chloromethane						<200(J)		<400(J)	<200(J)			<200[E]	<200(J)		
cis & trans 1,3-Dichloropropene															
cis-1,3-Dichloropropylene												<100[E]			
Cyclopentene															
Dibromochloromethane												<100[E]		<500(J)	
Dichlorodifluoromethane															
Dimethyl Butane															
Dimethylcyclopropane															
Ethylbenzene												1300[E]			
Methyl Ethyl Ketone			<2000(J)												
Methylcyclohexane															
Methylcyclopentane															
Methylene Chloride					470(J)	<100(J)						<100[E]	110(J)	<500(J)	
Pentane															
Styrene															
Tetrachloroethylene				690(J)	690(J)			<200(J)				<100[E]		<500(J)	
Toluene	17(J)											8100[E]			
Total Xylenes															
trans-1,2-Dichloroethylene	<10(J)			<100(J)	<200(J)	<100(J)		<200(J)	<100(J)			<100[E]	<100(J)	<500(J)	
trans-1,3-Dichloropropylene				<100(J)	<200(J)							<100[E]	<100(J)	<500(J)	
Trichloroethylene												<100[E]			
Trichlorofluoromethane	<10(J)			<100(J)	<200(J)	<100(J)		<200(J)	<100(J)			<100[E]	<100(J)	<500(J)	
Trimethylbenzene												1000[E]			
Vinyl Acetate															
Vinyl Chloride	<10(J)			<100(J)	<200(J)	<100(J)		<200(J)	<100(J)			<100[E]	<100(J)	<500(J)	

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-13 90/02/24 BAC/ORG	MW-14 89/02/01 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 ATI/SPT	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-14 90/02/24 BAC/ORG	MW-15 89/01/30 BAC/ORG	MW-15 89/02/08 BAC/ORG	MW-15 89/10/24 BAC/ORG	MW-16 90/11/30 BAC/ORG	MW-16 91/04/25 BAC/ORG	MW-19 91/04/25 BAC/ORG
1,1,1-Trichloroethane	<200[E]	<25(J)		<100(J)	<25(J)				<100[E]		<200(J)				
1,1,2,2-Tetrachloroethane	<200[E]								<100[E]						
1,1,2-Trichloroethane	<200[E]								<100[E]						
1,1-Dichloroethane	<200[E]								<100[E]						
1,1-Dichloroethylene	<200[E]								<100[E]						
1,2-Dichlorobenzene	<200[E]								<100[E]						
1,2-Dichloroethane	<200[E]	<25(J)			450(J)				500[E]		<200(J)				
1,2-Dichloropropane	<200[E]	<25(J)		<100(J)					<100[E]						
1,3-Dichlorobenzene	<200[E]								<100[E]						
1,4-Dichlorobenzene	<200[E]								<100[E]						
2-Chloroethylvinyl ether	<200[E]								<100[E]						
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone	<2000[E]		<250(J)						<1000[E]		<2000(J)				
Acrolein	<4000[E]	<500(J)		<2000(J)	<500(J)				<2000[E]	<4000(J)	<4000(J)				
Acrylonitrile	<4000[E]								<2000[E]						
Benzene	18000[E]						6500[EP]	9500[EP]	9200[E]			<1000[EP]			
Bis(chloromethyl)ether															
Bromochloromethane	<200[E]								<100[E]						
Bromodichloromethane		<25(J)			<25(J)										
Bromoform	<200[E]			<100(J)	<25(J)				<100[E]						
Bromomethane	<200[E]								<100[E]						
Butane															
Carbon Disulfide															
Carbon Tetrachloride	<200[E]	<25(J)		<100(J)	<25(J)				<100[E]	<200(J)	<200(J)				
Chlorobenzene	2700[E]					<50[UT]			900[E]			32000[EP]			
Chloroethane	<200[E]				<25(J)				<100[E]						
Chloroform	1000[E]				<25(J)				<100[E]					120[EB]	52[EB]
Chloromethane	<400[E]			<200(J)					<200[E]	<400(J)					
cis & trans 1,3-Dichloropropene															
cis-1,3-Dichloropropylene	<200[E]								<100[E]						
Cyclopentane															
Dibromochloromethane	<200[E]	<25(J)			<25(J)				<100[E]						
Dichlorodifluoromethane															
Dimethyl Butane															
Dimethylcyclopropane															
Ethylbenzene	1700[E]						1000[EP]	1500[EP]	1500[E]			<1000[EP]			
Methyl Ethyl Ketone															
Methylcyclohexane															
Methylcyclopentane															
Methylene Chloride	<200[E]		<125(J)	<100(J)	<25(J)				<100[E]						
Pentane															
Styrene															
Tetrachloroethylene	<200[E]	<25(J)			<25(J)				<100[E]		330(J)				
Toluene	12000[E]	<25(J)							200[E]						
Total Xylenes															
trans-1,2-Dichloroethylene	<200[E]	<25(J)		<100(J)	<25(J)				<100[E]	<200(J)	<200(J)				
trans-1,3-Dichloropropylene	<200[E]	<25(J)			<25(J)				<100[E]	<200(J)	<200(J)				
Trichloroethylene	490[E]								<100[E]						
Trichlorofluoromethane	<200[E]	<25(J)		<100(J)	<25(J)				<100[E]	<200(J)	<200(J)		8[EB]		
Trimethylbenzene									1000[E]						
Vinyl Acetate															
Vinyl Chloride	<200[E]	<25(J)		<100(J)	<25(J)				<100[E]	<200(J)	<200(J)				

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-25 89/10/28 BAC/ORG	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG	MW-25 90/02/22 BAC/FD	MW-25 90/02/22 BAC/ORG	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-26 89/11/15 BAC/ORG	MW-26 90/02/24 BAC/ORG	MW-27 91/10/09 APPL/SPT
1,1,1-Trichloroethane									<1[E]	
1,1,2,2-Tetrachloroethane									<1[E]	
1,1,2-Trichloroethane									<1[E]	
1,1-Dichloroethane									<1[E]	
1,1-Dichloroethylene									<1[E]	
1,2-Dichlorobenzene									<1[E]	
1,2-Dichloroethane									<1[E]	
1,2-Dichloropropane									<1[E]	
1,3-Dichlorobenzene									<1[E]	
1,4-Dichlorobenzene									<1[E]	
2-Chloroethylvinyl ether									<1[E]	
2-Hexanone										
4-Methyl-2-Pentanone										
Acetone									<10[E]	
Acrolein									<20[E]	
Acrylonitrile									<20[E]	
Benzene									<1[E]	
Bis(chloromethyl)ether										
Bromochloromethane									<1[E]	
Bromodichloromethane										
Bromoform									<1[E]	
Bromomethane									<1[E]	
Butane										
Carbon Disulfide										
Carbon Tetrachloride									<1[E]	
Chlorobenzene	990[EB]			860[EA]	920[EA]	7[EB]	4[EB]		8[E]	
Chloroethane									<1[E]	
Chloroform									<1[E]	
Chloromethane									<2[E]	
cis & trans 1,3-Dichloropropene										
cis-1,3-Dichloropropylene									<1[E]	
Cyclopentene										
Dibromochloromethane									<1[E]	
Dichlorodifluoromethane										
Dimethyl Butane										
Dimethylcyclopropane										
Ethylbenzene									<1[E]	
Methyl Ethyl Ketone								10[UB]		
Methylcyclohexane										
Methylcyclopentane										
Methylene Chloride									<1[E]	29[EB]
Pentane										
Styrene										
Tetrachloroethylene									<1[E]	
Toluene		2200[EP]	1500[EP]			1[E]			<1[E]	
Total Xylenes										
trans-1,2-Dichloroethylene									<1[E]	
trans-1,3-Dichloropropylene									<1[E]	
Trichloroethylene									<1[E]	
Trichlorofluoromethane									<1[E]	
Trimethylbenzene										
Vinyl Acetate										
Vinyl Chloride									<1[E]	

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	BF-01 88/04/19 BAC/ORG	BF-01 88/10/14 BAC/ORG	BF-01 89/02/08 BAC/ORG	BF-01 89/05/19 BAC/FD	BF-01 89/05/19 BAC/ORG	BF-02 89/02/08 BAC/ORG	BF-03 89/02/08 BAC/ORG	BF-04 89/02/08 BAC/ORG	BF-04 89/10/28 BAC/ORG	BF-05 89/02/02 BAC/ORG	BF-05 89/02/08 SWL/SEPA	BF-05 89/02/07 ATI/SPT	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG	BF-05 89/05/16 BAC/FD	BF-05 89/05/16 BAC/ORG
1,1,1-Trichloroethane			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]							
1,1,2,2-Tetrachloroethane									<500[E/EH]							
1,1,2-Trichloroethane									<500[E/EH]							
1,1-Dichloroethane									<500[E/EH]							
1,1-Dichloroethylene									<500[E/EH]							
1,2-Dichlorobenzene									<500[E/EH]							
1,2-Dichloroethane			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]				<20(J)	<20(J)		
1,2-Dichloropropane									<500[E/EH]							
1,3-Dichlorobenzene									<500[E/EH]							
1,4-Dichlorobenzene									<500[E/EH]							
2-Chloroethylvinyl ether									<500[E/EH]							
2-Hexanone												<100(J)				
Acetone				<50(J)	<50(J)				<5000[E/EH]			<100(J)			<100(J)	<100(J)
Acrolein			<100(J)	<100(J)	<100(J)	<4000(J)	<4000(J)	<10000(J)	<10000[E/EH]	<400(J)			<400(J)	<400(J)	<200(J)	<200(J)
Acrylonitrile				<100(J)	<100(J)				<10000[E/EH]						<200(J)	<200(J)
Benzene	10[EP]								<500[E/EH]							
Bromochloromethane																
Bromodichloromethane			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]							
Bromoform			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)						
Bromomethane									<500[E/EH]	<20(J)						
Carbon Tetrachloride			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)			<20(J)	<20(J)		
Chlorobenzene									29000[E/EH]					115(UTET)		
Chloroethane									<500[E/EH]							
Chloroform			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]							
Chloromethane				<10(J)	<10(J)				<1000[E/EH]	<40(J)			<40(J)	<40(J)		
cis-1,3-Dichloropropylene									<500[E/EH]							
Dibromochloromethane			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]							
Ethylbenzene									<500[E/EH]							
Methyl Ethyl Ketone		70[EB]									<170(J)	<100(J)				
Methylene Chloride			<5(J)	<5(J)	<5(J)		240(J)		<500[E/EH]	32(J)[EB]	88(J)				<10(J)	<10(J)
Tetrachloroethylene			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)						
Toluene									<500[E/EH]							10(J)[EB]
trans-1,2-Dichloroethylene			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)			<20(J)	<20(J)		
trans-1,3-Dichloropropylene			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]							
Trichloroethylene									<500[E/EH]							
Trichlorofluoromethane			<5(J)			<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)			<20(J)	<20(J)		
Vinyl Acetate											<170(J)					
Vinyl Chloride			<5(J)	<5(J)	<5(J)	<200(J)	<200(J)	<500(J)	<500[E/EH]	<20(J)			<20(J)	<20(J)		

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	BF-05 90/02/24 BAC/ORG	BF-06 89/02/01 ATI/SPT	BF-06 89/02/01 BAC/FD	BF-06 89/02/01 BAC/ORG	BF-06 89/02/08 BAC/ORG	BF-08 90/02/24 BAC/ORG	BF-07 89/02/01 BAC/ORG	BF-07 89/02/09 BAC/ORG	BF-07 89/10/24 BAC/ORG	BF-07 90/02/24 ATI/SPT	BF-07 90/02/24 BAC/FD	BF-07 90/02/24 BAC/ORG	BF-08 89/01/30 BAC/ORG	BF-08 89/02/06 ATI/SPT	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG
1,1,1-Trichloroethane					<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
1,1,2,2-Tetrachloroethane						<100[E]					<500[E]	<500[E]				
1,1,2-Trichloroethane						<100[E]					<500[E]	<500[E]				
1,1-Dichloroethane						<100[E]					<500[E]	<500[E]				
1,1-Dichloroethylene						<100[E]					<500[E]	<500[E]				
1,2-Dichlorobenzene						<100[E]					<500[E]	<500[E]				
1,2-Dichloroethane					<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
1,2-Dichloropropane						<100[E]	<500(J)				<500[E]	<500[E]				
1,3-Dichlorobenzene						<100[E]					<500[E]	<500[E]				
1,4-Dichlorobenzene						<100[E]					<500[E]	<500[E]				
2-Chloroethylvinyl ether						<100[E]					<500[E]	<500[E]				
2-Hexanone		<2000(J)												<400(J)		
Acetone		<2000(J)				<1000[E]					<5000[E]	<5000[E]		<400(J)	<1000(J)	<2500(J)
Acrolein			<5000(J)	<4000(J)	<4000(J)	<2000[E]	<10000(J)	<10000(J)			<10000[E]	<10000[E]	<1000(J)		<2000(J)	<5000(J)
Acrylonitrile						<2000[E]					<10000[E]	<10000[E]				
Benzene						200[E]			18000[EP]		<500[E]	<500[E]				
Bromochloromethane						<100[E]					<500[E]	<500[E]				
Bromodichloromethane					<200(J)		<500(J)	<500(J)					<50(J)			
Bromoform					<200(J)	<100[E]		<500(J)			<500[E]	<500[E]				
Bromomethane						<100[E]					<500[E]	<500[E]				
Carbon Tetrachloride			<200(J)	<200(J)	<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
Chlorobenzene	1600[EB]					28000[E]				4900[ET]	42000[E]	45000[E]				
Chloroethane						<100[E]		<500(J)			<500[E]	<500[E]				
Chloroform					<200(J)	<100[E]		<500(J)			<500[E]	<500[E]				
Chloromethane			<1000(J)	<400(J)		<200[E]					<1000[E]	<1000[E]				
cis-1,3-Dichloropropylene						<100[E]					<500[E]	<500[E]				
Dibromochloromethane					<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)			
Ethylbenzene						<100[E]			4500[EP]		<500[E]	<500[E]				
Methyl Ethyl Ketone		<2000(J)												<400(J)		
Methylene Chloride					<200(J)	<100[E]	530(J)	<500(J)			<500[E]	<500[E]				
Tetrachloroethylene					<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]			<100(J)	<250(J)
Toluene						<100[E]	<500(J)				<500[E]	<500[E]				
trans-1,2-Dichloroethylene			<200(J)	<200(J)	<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
trans-1,3-Dichloropropylene			<1000(J)	<200(J)	<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
Trichloroethylene						<100[E]					<500[E]	<500[E]				
Trichlorofluoromethane			<200(J)	<200(J)	<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)
Vinyl Acetate																
Vinyl Chloride			<200(J)	<200(J)	<200(J)	<100[E]	<500(J)	<500(J)			<500[E]	<500[E]	<50(J)		<100(J)	<250(J)

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	BF-08 89/10/24 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-09 89/02/02 BAC/ORG	BF-09 89/02/09 BAC/ORG	BF-09 89/05/18 ATI/SPT	BF-09 90/02/24 BAC/ORG	BF-15 90/02/22 BAC/ORG	BF-29 91/08/08 APPL/SPT
1,1,1-Trichloroethane			<200(J)	<200(J)		<100[E]		
1,1,2,2-Tetrachloroethane						<100[E]		
1,1,2-Trichloroethane						<100[E]		
1,1-Dichloroethane						<100[E]		
1,1-Dichloroethylene						<100[E]		
1,2-Dichlorobenzene						<100[E]		
1,2-Dichloroethane			<200(J)			<100[E]		
1,2-Dichloropropane				<200(J)		<100[E]		
1,3-Dichlorobenzene						<100[E]		
1,4-Dichlorobenzene						<100[E]		
2-Chloroethylvinyl ether						<100[E]		
2-Hexanone								
Acetone					<500(J)	<1000[E]		500[ET]
Acrolein			<4000(J)	<4000(J)		<2000[E]		
Acrylonitrile						<2000[E]		
Benzene	<100[EP]					<100[E]	<500[EP]	
Bromochloromethane						<100[E]		
Bromodichloromethane			<200(J)					
Bromoform			<200(J)	<200(J)		<100[E]		
Bromomethane						<100[E]		
Carbon Tetrachloride			<200(J)	<200(J)		<100[E]		
Chlorobenzene						11000[E]		
Chloroethane						<100[E]		
Chloroform						260[E]		
Chloromethane				<400(J)		<200[E]		
cis-1,3-Dichloropropylene						<100[E]		
Dibromochloromethane			<200(J)			<100[E]		
Ethylbenzene	<100[EP]					<100[E]		
Methyl Ethyl Ketone								
Methylene Chloride		100[EB]		<200(J)		<100[E]		
Tetrachloroethylene						<100[E]		
Toluene						<100[E]		
trans-1,2-Dichloroethylene			<200(J)	<200(J)		<100[E]		
trans-1,3-Dichloropropylene			<200(J)			<100[E]		
Trichloroethylene						<100[E]		
Trichlorofluoromethane		80[EB]	<200(J)	<200(J)		<100[E]		
Vinyl Acetate								
Vinyl Chloride			<200(J)	<200(J)		<100[E]		

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	G-01 87/11/17 BAC/FD	G-01 87/11/17 BAC/LD	G-01 87/11/17 BAC/ORG	G-01 88/10/13 BAC/ORG	G-01 89/02/07 BAC/ORG	G-01 89/05/18 BAC/FD	G-01 89/05/18 BAC/ORG	G-02 87/02/26 BAC/ORG	G-02 89/02/08 BAC/ORG	G-03 88/07/25 ATI/SPT	G-03 88/10/13 BAC/ORG	G-03 89/02/08 BAC/ORG	G-03 89/05/18 BAC/FD	G-03 89/05/18 BAC/ORG
1,1,1-Trichloroethane									<200(J)	<5[EH]		<5(J)		
1,1,2,2-Tetrachloroethane										<5[EH]				
1,1,2-Trichloroethane										<5[EH]				
1,1-Dichloroethane										<5[EH]				
1,1-Dichloroethylene										<5[EH]				
1,2-Dichlorobenzene														
1,2-Dichloroethane					<5(J)				<200(J)	<5[EH]		<5(J)		
1,2-Dichloropropane										<5[EH]				
1,3-Dichlorobenzene														
1,4-Dichlorobenzene														
2-Chloroethylvinyl ether										<50[EH]				
2-Hexanone										<50[EH]				
4-Methyl-2-Pentanone										<50[EH]				
Acetone						<50(J)	<50(J)			<50[EH]			<50(J)	<50(J)
Acrolein					<100(J)	<100(J)	<100(J)		<4000(J)			<100(J)	<100(J)	<100(J)
Acrylonitrile						<100(J)	<100(J)						<100(J)	<100(J)
Benzene										<5[EH]				
Bromochloromethane														
Bromodichloromethane									<200(J)	<5[EH]		<5(J)		
Bromoform									<200(J)	<25[EH]		<5(J)		
Bromomethane										<50[EH]				
Carbon Disulfide										<5[EH]				
Carbon Tetrachloride					<5(J)				<200(J)	<5[EH]		<5(J)		
Chlorobenzene								15000[EP]		810[EH]				
Chloroethane										<5[EH]		<5(J)		
Chloroform				5[EB]					<200(J)	<5[EH]	5[EB]	<5(J)		
Chloromethane					<10(J)					<50[EH]				
cis-1,3-Dichloropropylene										<5[EH]				
Dibromochloromethane									<200(J)	<5[EH]		<5(J)		
Ethylbenzene										<5[EH]				
Methyl Ethyl Ketone										<50[EH]				
Methylene Chloride	3[UB]	2[UB]	3[UB]			<5(J)	<5(J)			<25[EH]		<5(J)	<5(J)	<5(J)
Styrene										<5[EH]				
Tetrachloroethylene									<200(J)	<5[EH]		<5(J)		
Toluene	2[UB]		1[UB]			5(J)[EB]				<5[EH]				
Total Xylenes										<5[EH]				
trans-1,2-Dichloroethylene					<5(J)				<200(J)	<5[EH]		<5(J)		
trans-1,3-Dichloropropylene									<200(J)	<5[EH]		<5(J)		
Trichloroethylene										<5[EH]				
Trichlorofluoromethane					<5(J)				<200(J)			<5(J)		
Vinyl Acetate										<50[EH]				
Vinyl Chloride					<5(J)				<200(J)	<5[EH]		<5(J)		

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	G-04 89/02/02 BAC/ORG	G-04 89/02/07 BAC/ORG	G-04 89/05/16 BAC/FD	G-04 89/05/16 BAC/ORG	G-04 90/02/24 BAC/ORG	G-05 89/02/01 BAC/ORG	G-05 89/02/08 ATI/SPT	G-05 89/02/08 BAC/FD	G-05 89/02/08 BAC/ORG	G-05 89/10/25 BAC/ORG	G-05 90/02/24 BAC/ORG	G-06 89/02/01 BAC/ORG	G-06 89/02/09 BAC/ORG	G-06 89/10/24 BAC/ORG
1,1,1-Trichloroethane					<25[E]			<100(J)	<250(J)			<20(J)	<20(J)	
1,1,2,2-Tetrachloroethane					<25[E]									
1,1,2-Trichloroethane					<25[E]									
1,1-Dichloroethane					<25[E]									
1,1-Dichloroethylene					<25[E]									
1,2-Dichlorobenzene					<25[E]									
1,2-Dichloroethane		<1(J)			<25[E]			<100(J)	<250(J)			<20(J)	<20(J)	
1,2-Dichloropropane					<25[E]							<20(J)		
1,3-Dichlorobenzene					<25[E]									
1,4-Dichlorobenzene					<25[E]									
2-Chloroethylvinyl ether					<25[E]									
2-Hexanone							<1000(J)							
4-Methyl-2-Pentanone														
Acetone			<200(J)	<200(J)	<250[E]		<1000(J)							
Acrolein	<400(J)	<20(J)	<400(J)	<400(J)	<500[E]	<2000(J)		<2000(J)	<5000(J)			<400(J)	<400(J)	
Acrylonitrile			<400(J)	<400(J)	<500[E]									
Benzene					<25[E]									<100[EP]
Bromochloromethane					<25[E]									
Bromodichloromethane								<100(J)	<250(J)			<20(J)	<20(J)	
Bromoform	<20(J)		<20(J)	<20(J)	<25[E]			<100(J)	<250(J)				<20(J)	
Bromomethane	<20(J)				<25[E]									
Carbon Disulfide														
Carbon Tetrachloride	<20(J)	<1(J)			<25[E]	<100(J)		<100(J)	<250(J)			<20(J)	<20(J)	
Chlorobenzene					1600[E]					1700[ET]	11000[EB]			
Chloroethane					<25[E]								<20(J)	
Chloroform					<25[E]			<100(J)	<250(J)				<20(J)	
Chloromethane	<40(J)	<2(J)			<50[E]	<200(J)								
cis-1,3-Dichloropropylene					<25[E]									
Dibromochloromethane					<25[E]			<100(J)	<250(J)			<20(J)	<20(J)	
Ethylbenzene					<25[E]									<100[EP]
Methyl Ethyl Ketone							<1000(J)							
Methylene Chloride	48(J)[EB]		<20(J)	<20(J)	<25[E]	120(J)		<100(J)				28(J)[EB]	<20(J)	
Styrene														
Tetrachloroethylene	<20(J)				<25[E]			<100(J)	<250(J)			<20(J)	<20(J)	
Toluene					<25[E]							<20(J)		
Total Xylenes														
trans-1,2-Dichloroethylene	<20(J)	<1(J)			<25[E]	<100(J)		<100(J)	<250(J)			<20(J)	<20(J)	
trans-1,3-Dichloropropylene					<25[E]	<100(J)		<100(J)	<250(J)			<20(J)	<20(J)	
Trichloroethylene					<25[E]									
Trichlorofluoromethane	<20(J)	<1(J)			<25[E]	<100(J)		<100(J)	<250(J)			<20(J)	<20(J)	
Vinyl Acetate														
Vinyl Chloride	<20(J)	<1(J)			<25[E]	<100(J)		<100(J)	<250(J)			<20(J)	<20(J)	

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	G-08 90/02/24 BAC/ORG	G-07 89/01/30 ATI/SPT	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/02/06 SWL/SEPA	G-07 89/05/17 BAC/FD	G-07 89/05/17 BAC/ORG	G-07 89/10/24 BAC/ORG	G-09 90/08/05 ATI/SPT	G-11 89/11/06 BAC/ORG	G-11 89/11/16 BAC/ORG	G-13 90/11/30 BAC/FD	LG-01 87/02/26 BAC/ORG
1,1,1-Trichloroethane	<25[E]			<1(J)	<1(J)							<1[E/EH]		
1,1,2,2-Tetrachloroethane	<25[E]											<1[E/EH]		
1,1,2-Trichloroethane	<25[E]											<1[E/EH]		
1,1-Dichloroethane	<25[E]											<1[E/EH]		
1,1-Dichloroethylene	<25[E]											<1[E/EH]		
1,2-Dichlorobenzene	<25[E]											<1[E/EH]		
1,2-Dichloroethane	<25[E]			<1(J)	<1(J)							<1[E/EH]		
1,2-Dichloropropane	<25[E]											<1[E/EH]		
1,3-Dichlorobenzene	<25[E]											<1[E/EH]		
1,4-Dichlorobenzene	<25[E]											<1[E/EH]		
2-Chloroethylvinyl ether	<25[E]											<1[E/EH]		
2-Hexanone		<10(J)												
4-Methyl-2-Pentanone														
Acetone	<250[E]	<10(J)	<10(J)	<10(J)	<10(J)		<10(J)	<10(J)				<10[E/EH]		
Acrolein	<500[E]		<20(J)	<20(J)	<20(J)		<20(J)	<20(J)				<20[E/EH]		
Acrylonitrile	<500[E]						<20(J)	<20(J)				<20[E/EH]		
Benzene	<25[E]								<1[EP]	370[ET]		<1[E/EH]		
Bromochloromethane	<25[E]													
Bromodichloromethane												<1[E/EH]		
Bromoform	<25[E]											<1[E/EH]		
Bromomethane	<25[E]											<1[E/EH]		
Carbon Disulfide														
Carbon Tetrachloride	<25[E]		<1(J)	<1(J)	<1(J)							<1[E/EH]		
Chlorobenzene	2200[E]								71[EP]			<1[E/EH]		70[EP]
Chloroethane	<25[E]											<1[E/EH]		
Chloroform	<25[E]											<1[E/EH]		
Chloromethane	<50[E]						<2(J)	<2(J)				<2[E/EH]		
cis-1,3-Dichloropropylene	<25[E]											<1[E/EH]		
Dibromochloromethane	<25[E]											<1[E/EH]		
Ethylbenzene	<25[E]								<1[EP]			<1[E/EH]		
Methyl Ethyl Ketone		<10(J)				<10(J)								
Methylene Chloride	<25[E]						2(J)[UB]	3(J)[UB]				<1[E/EH]		
Styrene														
Tetrachloroethylene	<25[E]				<1(J)							<1[E/EH]		
Toluene	<25[E]						2(J)[UB]	9(J)[UB]			22[EB]	<1[E/EH]		
Total Xylenes														
trans-1,2-Dichloroethylene	<25[E]		<1(J)	<1(J)	<1(J)							<1[E/EH]		
trans-1,3-Dichloropropylene	<25[E]		<1(J)	<1(J)	<1(J)							<1[E/EH]		
Trichloroethylene	<25[E]											<1[E/EH]		
Trichlorofluoromethane	<25[E]		<1(J)	<1(J)	<1(J)							<1[E/EH]	20[EB]	
Vinyl Acetate						<10(J)								
Vinyl Chloride	<25[E]		<1(J)	<1(J)	<1(J)							<1[E/EH]		

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	LG-01 87/11/17 BAC/ORG	LG-01 88/01/19 BAC/ORG	LG-01 88/07/28 BAC/ORG	LG-01 89/02/08 BAC/ORG	LG-01 89/05/19 BAC/FD	LG-01 89/05/19 BAC/ORG	LG-02 89/02/02 ATI/SPT	LG-02 89/02/02 BAC/FD	LG-02 89/02/02 BAC/ORG	LG-02 89/02/09 BAC/ORG	LG-02 89/05/19 BAC/FD	LG-02 89/05/19 BAC/ORG	LG-02 90/02/24 BAC/ORG
1,1,1-Trichloroethane				<1(J)					<5(J)	<5(J)			<5[E]
1,1,2,2-Tetrachloroethane													<5[E]
1,1,2-Trichloroethane													<5[E]
1,1-Dichloroethane													<5[E]
1,1-Dichloroethylene													<5[E]
1,2-Dichlorobenzene													<5[E]
1,2-Dichloroethane				<1(J)					<5(J)				<5[E]
1,2-Dichloropropane										<5(J)			<5[E]
1,3-Dichlorobenzene													<5[E]
1,4-Dichlorobenzene													<5[E]
2-Chloroethyl vinyl ether													<5[E]
2-Hexanone							<20(J)						
4-Methyl-2-Pentanone													
Acetone					<10(J)	<10(J)	<20(J)				<50(J)	<50(J)	<50[E]
Acrolein				<20(J)	<20(J)	<20(J)		<100(J)	<100(J)	<100(J)	<100(J)	<100(J)	<100[E]
Acrylonitrile					<20(J)	<20(J)					<100(J)	<100(J)	<100[E]
Benzene													<5[E]
Bromochloromethane													<5[E]
Bromodichloromethane				<1(J)					<5(J)				
Bromoform				<1(J)				<5(J)	<5(J)	<5(J)			<5[E]
Bromomethane								<5(J)					<5[E]
Carbon Disulfide													
Carbon Tetrachloride				<1(J)				<5(J)	<5(J)	<5(J)			<5[E]
Chlorobenzene													180[E]
Chloroethane													<5[E]
Chloroform				<1(J)									<5[E]
Chloromethane					<2(J)	<2(J)		<10(J)		<10(J)			<10[E]
cis-1,3-Dichloropropylene													<5[E]
Dibromochloromethane				<1(J)					<5(J)				<5[E]
Ethylbenzene													<5[E]
Methyl Ethyl Ketone							<20(J)						
Methylene Chloride	4[UB]	1[UB]			4(J)[UB]	4(J)[UB]				<5(J)	<5(J)	<5(J)	<5[E]
Styrene													
Tetrachloroethylene				<1(J)				<5(J)					<5[E]
Toluene			8[UB]		2(J)[UB]	2(J)[UB]							<5[E]
Total Xylenes													
trans-1,2-Dichloroethylene				<1(J)				<5(J)	<5(J)	<5(J)	<5(J)	<5(J)	<5[E]
trans-1,3-Dichloropropylene				<1(J)					<5(J)				<5[E]
Trichloroethylene													<5[E]
Trichlorofluoromethane				<1(J)				<5(J)	<5(J)	<5(J)			<5[E]
Vinyl Acetate													
Vinyl Chloride				<1(J)	<1(J)	<1(J)		<5(J)	<5(J)	<5(J)			<5[E]

NOTE: See last page of this table for footnotes.

TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	LW-01 89/10/25 BAC/ORG	LW-01 90/02/25 ATI/SPT	LW-01 90/02/25 BAC/FD	LW-01 90/02/25 BAC/ORG	LW-02 89/11/16 BAC/ORG	LW-02 90/02/24 BAC/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/10/08 APPL/SPT	LW-07 91/10/17 ATI/ORG
1,1,1-Trichloroethane					<1[E/EH]	<1[E]			
1,1,2,2-Tetrachloroethane					<1[E/EH]	<1[E]			
1,1,2-Trichloroethane					<1[E/EH]	<1[E]			
1,1-Dichloroethane					<1[E/EH]	<1[E]			
1,1-Dichloroethylene					<1[E/EH]	<1[E]			
1,2-Dichlorobenzene					<1[E/EH]	<1[E]			
1,2-Dichloroethane					<1[E/EH]	<1[E]			
1,2-Dichloropropane					<1[E/EH]	<1[E]			
1,3-Dichlorobenzene					<1[E/EH]	<1[E]			
1,4-Dichlorobenzene					<1[E/EH]	<1[E]			
2-Chloroethylvinyl ether					<1[E/EH]	<1[E]			
Acetone					<10[E/EH]	<10[E]			
Acrolein					<20[E/EH]	<20[E]			
Acrylonitrile					<20[E/EH]	<20[E]			
Benzene					<1[E/EH]	<1[E]			
Bromochloromethane						<1[E]			
Bromodichloromethane					<1[E/EH]				
Bromoform					<1[E/EH]	<1[E]			
Bromomethane					<1[E/EH]	<1[E]			
Carbon Tetrachloride					<1[E/EH]	<1[E]			
Chlorobenzene	1[UB]	2[EP]	<1[EP]	<1[EP]	<1[E/EH]	<1[E]			
Chloroethane					<1[E/EH]	<1[E]			
Chloroform					<1[E/EH]	<1[E]	2[UB]		1[UB]
Chloromethane					<2[E/EH]	<2[E]			
cis-1,3-Dichloropropylene					<1[E/EH]	<1[E]			
Dibromochloromethane					<1[E/EH]	<1[E]			
Ethylbenzene					<1[E/EH]	<1[E]			
Methylene Chloride					<1[E/EH]	<1[E]		42[EB]	
Tetrachloroethylene					<1[E/EH]	<1[E]			
Toluene					<1[E/EH]	<1[E]			
trans-1,2-Dichloroethylene					<1[E/EH]	<1[E]			
trans-1,3-Dichloropropylene					<1[E/EH]	<1[E]			
Trichloroethylene					<1[E/EH]	<1[E]			
Trichlorofluoromethane					<1[E/EH]	<1[E]			
Vinyl Chloride					<1[E/EH]	<1[E]			

NOTE: See last page of this table for footnotes

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TABLE D.6
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for volatile organic compounds using EPA Methods 8010, 8240, 8240, or 8260.
Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

UG/L = Micrograms per liter
< = Less than; Numerical value is the limit of detection for this analysis.

APPL = Agricultural and Priority Pollutant Laboratories
ATI = Analytical Tech. Inc.
BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory; data unusable for any purpose.
[E] = Estimated quantity, QC criteria not met during data assessment; Limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, Due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; No QC problem identified.

TABLE D.7
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 CAL/OEPA	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 CAL/SEPA	MW-03 85/08/13 CAL/OEPA	MW-03 90/11/28 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 90/11/27 BAC/FD
1,2,4-Trichlorobenzene							<10[E]			35(J)	
1,2-Dichlorobenzene							<10[E]		21(J)	20(J)	
1,2-Diphenylhydrazine							<10[E]				
1,3-Dichlorobenzene			10(J)				<10[E]				
1,4-Dichlorobenzene				300(J)			<10[E]				
2,4,5-Trichlorophenol							<10[E]				
2,4,6-Trichlorophenol							<10[E]				
2,4-Dichlorophenol							<10[E]				
2,4-Dimethylphenol							<10[E]				
2,4-Dinitrophenol					<50(R)		<25[E]				
2,4-Dinitrotoluene							<10[E]				
2,6-Dinitrotoluene							<10[E]				
2-Chloronaphthalene							<10[E]				
2-Chlorophenol	7.8(J)	10(J)	10(J)				<10[E]				<10[EPEA]
2-Methylnaphthalene							<10[E]				
2-Methylphenol							<10[E]				
2-Nitroaniline							<50[E]				
2-Nitrophenol							<10[E]				
3,3'-Dichlorobenzidine			<20(R)		<20(R)	<20(R)	<10[E]	<20(R)	<20(R)	<20(R)	
3,4-Benzofluoranthene							<10[E]				
3-Nitroaniline							<50[E]				
4,6-Dinitro-2-methylphenol					<50(R)		<50[E]				
4-Bromophenyl phenyl ether							<10[E]				
4-Chloroaniline							<20[E]				
4-Chlorophenyl phenyl ether							<10[E]				
4-Methylphenol							<10[E]				
4-Nitroaniline							<50[E]				
4-Nitrophenol					<50(R)		<25[E]				
Acenaphthene							<10[E]				
Acenaphthylene							<10[E]				
Aniline							<20[E]				
Anthracene							<10[E]				
Benzidine			<80(R)		<80(R)	<80(R)	<40[E]	<80(R)	<80(R)	<80(R)	
Benzo(a)anthracene							<10[E]				
Benzo(a)pyrene							<10[E]				
Benzo(b)fluoranthene							<10[E]				
Benzo(ghi)perylene							<10[E]				
Benzo(k)fluoranthene							<10[E]				
Benzoic Acid							<50[E]				
Benzyl Alcohol							<20[E]				
Bis(2-chloroethoxy)methane							<10[E]				
Bis(2-chloroethyl) ether							<10[E]				
Bis(2-chloroisopropyl)ether							<10[E]				
Bis(2-ethylhexyl) phthalate							<10[E]				
Butyl benzyl phthalate							<10[E]				
Chrysene							<10[E]				
Di-n-butyl phthalate			10(J)		<10(J)	10(J)	<50[E]		10(J)	10(J)	
Di-n-octyl phthalate							<10[E]				
Dibenzo(a,h)anthracene							<10[E]				
Dibenzofuran							<10[E]				
Diethyl phthalate							<10[E]				
Dimethylphthalate							<25[E]				
Fluoranthene							<10[E]				
Fluorene							<10[E]				
Hexachlorobenzene							<10[E]				
Hexachlorobutadiene							<10[E]				
Hexachlorocyclopentadiene							<10[E]				
Hexachloroethane							<10[E]				
Indeno(1,2,3-cd) pyrene							<10[E]				
Isophorone							<10[E]				
N-Nitrosdi-n-propylamine							<40[E]				
N-Nitrosdimethylamine							<80[E]				
N-Nitrosdiphenylamine							<10[E]				
Naphthalene	12(J)	12(J)	14(J)				<10[E]				
Nitrobenzene							<10[E]				
p-Chloro-m-cresol							<10[E]				
Pentachlorophenol					<50(R)		<10[E]				
Phenanthrene							<10[E]				
Phenol			10(J)				<10[E]				
Pyrene							<10[E]				

NOTE: See last page of this table for footnotes.

TABLE D.7
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	MW-05 90/11/27 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-14 90/12/02 BAC/ORG	BF-04 90/11/29 BAC/ORG	G-01 90/12/01 BAC/ORG	G-02 90/12/02 BAC/ORG	G-08 90/12/03 BAC/ORG
1,2,4-Trichlorobenzene				<10[E]			<10[E]
1,2-Dichlorobenzene				<10[E]			<10[E]
1,2-Diphenylhydrazine				<10[E]			<10[E]
1,3-Dichlorobenzene				<10[E]			<10[E]
1,4-Dichlorobenzene				59[ET]			<10[E]
2,4,5-Trichlorophenol				<10[E]			<10[E]
2,4,6-Trichlorophenol				<10[E]			<10[E]
2,4-Dichlorophenol				<10[E]			<10[E]
2,4-Dimethylphenol				<10[E]			<10[E]
2,4-Dinitrophenol				<25[E]			<25[E]
2,4-Dinitrotoluene				<10[E]			<10[E]
2,6-Dinitrotoluene				<10[E]			<10[E]
2-Chloronaphthalene				<10[E]			<10[E]
2-Chlorophenol	260[EPEA]			<10[E]			<10[E]
2-Methylnaphthalene				<10[E]			<10[E]
2-Methylphenol				<10[E]			<10[E]
2-Nitroaniline				<50[E]			<50[E]
2-Nitrophenol				<10[E]			<10[E]
3,3'-Dichlorobenzidine				<10[E]			<10[E]
3,4-Benzofluoranthene				<10[E]			<10[E]
3-Nitroaniline				<50[E]			<50[E]
4,6-Dinitro-2-methylphenol				<50[E]			<50[E]
4-Bromophenyl phenyl ether				<10[E]			<10[E]
4-Chloroaniline				<20[E]			<20[E]
4-Chlorophenyl phenyl ether				<10[E]			<10[E]
4-Methylphenol				<10[E]			<10[E]
4-Nitroaniline				<50[E]			<50[E]
4-Nitrophenol				<25[E]			<25[E]
Acenaphthene				<10[E]			<10[E]
Acenaphthylene				<10[E]			<10[E]
Aniline				<20[E]			<20[E]
Anthracene				<10[E]			<10[E]
Benzidine				<40[E]			<40[E]
Benzo(a)anthracene				<10[E]			<10[E]
Benzo(a)pyrene				<10[E]			<10[E]
Benzo(b)fluoranthene				<10[E]			<10[E]
Benzo(ghi)perylene				<10[E]			<10[E]
Benzo(k)fluoranthene				<10[E]			<10[E]
Benzoic Acid				<50[E]			<50[E]
Benzyl Alcohol				<20[E]			<20[E]
Bis(2-chloroethoxy)methane				<10[E]			<10[E]
Bis(2-chloroethyl) ether				<10[E]			<10[E]
Bis(2-chloroisopropyl)ether				<10[E]			<10[E]
Bis(2-ethylhexyl) phthalate		27[EB]	59[EB]	25[UB]	60[EB]	31[EB]	<10[E]
Butyl benzyl phthalate				<10[E]			<10[E]
Chrysene				<10[E]			<10[E]
Di-n-butyl phthalate				<50[E]			<50[E]
Di-n-octyl phthalate				<10[E]			<10[E]
Dibenzo(a,h)anthracene				<10[E]			<10[E]
Dibenzofuran				<10[E]			<10[E]
Diethyl phthalate				<10[E]			<10[E]
Dimethylphthalate				<25[E]			<25[E]
Fluoranthene				<10[E]			<10[E]
Fluorene				<10[E]			<10[E]
Hexachlorobenzene				<10[E]			<10[E]
Hexachlorobutadiene				<10[E]			<10[E]
Hexachlorocyclopentadiene				<10[E]			<10[E]
Hexachloroethane				<10[E]			<10[E]
Indeno(1,2,3-cd) pyrene				<10[E]			<10[E]
Isophorone				<10[E]			<10[E]
N-Nitrosdi-n-propylamine				<40[E]			<40[E]
N-Nitrosdimethylamine				<80[E]			<80[E]
N-Nitrosdiphenylamine				<10[E]			<10[E]
Naphthalene				<10[E]			<10[E]
Nitrobenzene				<10[E]			<10[E]
p-Chloro-m-cresol				<10[E]			<10[E]
Pentachlorophenol				<10[E]			<10[E]
Phenanthrene				<10[E]			<10[E]
Phenol				<10[E]			<10[E]
Pyrene				<10[E]			<10[E]

NOTE: See last page of this table for footnotes.

TABLE D.7
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

UG/L= Micrograms per liter
< = Less than; Numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton

DSEP = Duplicate Split EPA Sample
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity, QC criteria not met during data assessment; Limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EP] = Estimated quantity due to precision goals not met.

TABLE D.8
QUALIFIED DATA, TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	BF-22 91/10/16 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-33 91/10/16 ATI/ORG	G-16 91/10/17 ATI/ORG	LW-07 91/10/17 ATI/ORG
Copper		0.02[UB]	0.04(EB)		
Iron	0.01(UB)		0.02(UB)		0.02[UB]
Nickel				0.01[UB]	0.01[UB]

NOTES: Groundwater samples analyzed for trace metal compounds using EPA Methods 220.1 or 6010.

Sample heading provides the following information: Well Identifier, Sample Date (YY, MM, DD), and Analytical Laboratory/Quality Assurance Co.

MG/L = Milligrams per liter

< = Less than; Numerical value is the limit of detection for this analysis.

ATI = Analytical Tech, Inc.

ORG = Original Sample

[EB] = Estimated quantity due to blank contamination.

[UB] = Data unusable due to blank contamination.

TABLE D.9
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	BGS BGS-2.0-2.5 88/09/03 CAL/OEPA	KD01 KD01 86/05/29 BAC/ORG	KD03 KD03 86/05/29 BAC/ORG	KD04 KD04 86/05/29 BAC/ORG	KD04 KD08 86/05/29 BAC/FD	KD05 KD05 86/05/29 BAC/ORG	KD07 KD07 86/05/29 BAC/ORG	SED06 SED06 86/05/29 BAC/ORG	SED07 SED07 86/05/29 BAC/ORG	SED08 SED08 86/05/29 BAC/ORG	SED09 SED09 86/05/29 BAC/ORG	SED10 SED10 86/05/30 BAC/ORG	SED10 SED30 86/05/30 BAC/FD	SED11 SED11 86/05/28 BAC/ORG
2,4'-DDD			<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(J)
2,4'-DDE			<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
2,4'-DDT			<3(J)	<0.3(J)	<0.3(J)	<0.3(R)	<0.3(J)	<3(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(J)
4,4'-DDD	<0.01[EH]	0.06(J)[EH]	10(NJB)	4.5(NJB)	4.5(NJB)	7.4(R)	4.1(NJB)	15(R)	0.05(R)	0.16(R)	0.22(R)	0.19(R)	0.21(R)	0.35(R)	0.41(NJB)
4,4'-DDE	<0.01[EH]	0.024(J)[EH]	16(NJB)	5.6(NJB)	3.6(NJB)	1.6(R)	1.5(NJB)	11(R)	0.08(R)	0.24(R)	0.3(R)	0.24(R)	0.23(R)	0.3(R)	0.94(NJB)
4,4'-DDT	0.4[EH]	0.047(J)[EH]	33(NJB)	1.9(NJB)	3.9(NJB)	5.6(R)	0.4(NJB)	61(R)	0.11(R)	0.12(R)	0.69(R)	0.22(R)	0.8(R)	0.25(R)	0.81(NJB)
Aldrin	<0.005[EH]	<0.14[EH]													
alpha-BHC	<0.005[EH]	<0.14[EH]	<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
Alpha-Chlordane		<1.4[EH]													
alpha-Endosulfan	<0.005[EH]	<0.14[EH]													
beta-BHC	<0.005[EH]	<0.14[EH]	<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
beta-Endosulfan	<0.01[EH]	<0.28[EH]													
Chlordane	1.6[EH]														
delta-BHC	<0.005[EH]	<0.14[EH]	<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
Dieldrin	<0.01[EH]	<0.28[EH]													
Endosulfan 1	<0.005[EH]	<0.14[EH]													
Endosulfan 2	<0.01[EH]	<0.28[EH]													
Endosulfan sulfate	<0.01[EH]	<0.28[EH]													
Endrin	<0.01[EH]	<0.28[EH]													
Endrin Ketone	<0.01[EH]	<0.28[EH]													
gamma-BHC	<0.005[EH]	<0.14[EH]	<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
Gamma-Chlordane		<1.4[EH]													
Heptachlor	<0.005[EH]	<0.14[EH]													
Heptachlor epoxide	<0.005[EH]	<0.14[EH]													
Methoxychlor	<0.01[EH]	<1.4[EH]													
PCB 1016	<0.051[EH]	<1.4[EH]													
PCB 1221	<0.051[EH]	<1.4[EH]													
PCB 1232	<0.051[EH]	<1.4[EH]													
PCB 1242	<0.051[EH]	<1.4[EH]													
PCB 1248	<0.051[EH]	<1.4[EH]													
PCB 1254	<0.1[EH]	<2.8[EH]													
PCB 1260	<0.1[EH]	<2.8[EH]													
Total BHC			<1(J)	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)
Total DDT			59(NJB)	12(NJB)	12(NJB)	15(R)	6(NJB)	87(R)	0.24(R)	0.52(R)	1.2(R)	0.65(R)	1.2(R)	0.9(R)	2.2(NJB)
Toxaphene	<0.1[EH]	<2.8[EH]													

NOTE: See last page of this table for footnotes.

TABLE D.9
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (MG/KG)	SED11 SED11 86/05/28 VILO/SEPA	SED12 SED12 86/05/30 BAC/ORG	SED13 SED13 86/05/30 BAC/ORG	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA	SED14 SED14-25-60-COMPOSITE 86/06/11 BAC/ORG	SED14 SED37-25-60-COMPOSITE 86/06/11 BAC/FD	SED15 SED15-30-50-95-COMPOSITE 86/06/11 BAC/ORG	SED17 SED17-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED18-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED33-0-20-COMPOSITE 86/06/05 BAC/FD
2,4'-DDD		<0.01(R)	<0.1(R)			<0.01(R)	<0.01(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)
2,4'-DDE		<0.01(R)	<0.1(R)			<0.01(R)	<0.01(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)
2,4'-DDT		<0.03(R)	<0.3(R)			<0.03(R)	<0.03(R)	<0.03(J)	<0.03(R)	<0.03(R)	<0.03(R)
4,4'-DDD	<0.016[EH]	0.24(R)	9.6(R)	0.65[EH]	0.84[EH]	<0.01(R)	<0.01(R)	<0.01(J)	0.08(R)	0.08(R)	0.07(R)
4,4'-DDE	<0.016[EH]	0.21(R)	2.7(R)	0.37[EH]	0.26[EH]	<0.01(R)	<0.01(R)	<0.01(J)	0.19(R)	0.18(R)	0.21(R)
4,4'-DDT	<0.016[EH]	0.18(R)	0.7(R)	<0.016[EH]	0.58[EH]	<0.03(R)	<0.03(R)	<0.03(J)	0.1(R)	0.14(R)	0.07(R)
Aldrin	<0.0082[EH]			<0.008[EH]	<0.0077[EH]						
alpha-BHC	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]	<0.0077[EH]	<0.01(R)	<0.01(R)	0.02(NJB)	<0.01(R)	<0.01(R)	<0.01(R)
Alpha-Chlordane											
alpha-Endosulfan	<0.0082[EH]			<0.008[EH]	<0.0077[EH]						
beta-BHC	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)
beta-Endosulfan	<0.016[EH]			<0.016[EH]	<0.015[EH]						
Chlordane	<0.016[EH]			<0.016[EH]	<0.015[EH]						
delta-BHC	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)
Dieldrin	<0.016[EH]			<0.016[EH]	<0.015[EH]						
Endosulfan 1	<0.0082[EH]			<0.008[EH]	<0.0077[EH]						
Endosulfan 2	<0.016[EH]			<0.016[EH]	<0.015[EH]						
Endosulfan sulfate	<0.016[EH]			<0.016[EH]	<0.015[EH]						
Endrin	<0.016[EH]			<0.016[EH]	<0.015[EH]						
Endrin Ketone	<0.016[EH]			<0.016[EH]	<0.015[EH]						
gamma-BHC	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)
Gamma-Chlordane											
Heptachlor	<0.0082[EH]			<0.008[EH]	<0.0077[EH]						
Heptachlor epoxide	<0.0082[EH]			<0.008[EH]	<0.0077[EH]						
Methoxychlor	<0.016[EH]			<0.016[EH]	<0.015[EH]						
PCB 1016	<0.082[EH]			<0.08[EH]	<0.077[EH]						
PCB 1221	<0.082[EH]			<0.08[EH]	<0.077[EH]						
PCB 1232	<0.082[EH]			<0.08[EH]	<0.077[EH]						
PCB 1242	<0.082[EH]			<0.08[EH]	<0.077[EH]						
PCB 1248	<0.082[EH]			<0.08[EH]	<0.077[EH]						
PCB 1254	<0.16[EH]			<0.16[EH]	<0.15[EH]						
PCB 1260	<0.16[EH]			<0.16[EH]	<0.15[EH]						
Total BHC		<0.01(R)	<0.1(R)			<0.01(R)	<0.01(R)	0.02(NJB)	<0.01(R)	<0.01(R)	<0.01(R)
Total DDT		0.63(R)	13(R)			<0.03(R)	<0.03(R)	<0.03(J)	0.37(R)	0.4(R)	0.35(R)
Toxaphene	<0.16[EH]			<0.16[EH]	<0.15[EH]						

NOTE: See last page of this table for footnotes.

TABLE D.9
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (MG/KG)	SED19 SED19-0-20-COMPOSITE 86/06/04 BAC/ORG	SED19 SED30-0-20-COMPOSITE 86/06/04 BAC/FD	SED20 SED20-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED21-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED35-0-20-COMPOSITE 86/06/06 BAC/FD	SED22 SED22-0-20-COMPOSITE 86/06/08 BAC/ORG	SED23 SED23-0-20-COMPOSITE 86/06/07 BAC/ORG	SED24 SED24-0-20-COMPOSITE 86/06/06 BAC/ORG	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA
2,4'-DDD	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		
2,4'-DDE	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		
2,4'-DDT	<0.03(R)	<0.03(R)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(R)	<0.03(R)	<0.03(J)		
4,4'-DDD	0.08(R)	0.09(R)	0.05(NJB)	0.06(NJB)	0.08(NJB)	<0.01(R)	0.01(R)	0.08(NJB)		
4,4'-DDE	0.16(R)	0.16(R)	0.13(NJB)	0.16(NJB)	0.2(NJB)	<0.01(R)	<0.01(R)	0.18(NJB)	0.21(J)	0.26(J)
4,4'-DDT	0.12(R)	0.12(R)	0.14(NJB)	0.15(NJB)	0.3(NJB)	<0.03(R)	0.03(R)	0.25(NJB)		
Aldrin										
alpha-BHC	<0.01(R)	<0.01(R)	0.02(NJB)	0.06(NJB)	0.05(NJB)	<0.01(R)	<0.01(R)	0.05(NJB)		
Alpha-Chlordane										
alpha-Endosulfan										
beta-BHC	<0.01(R)	<0.01(R)	0.44(NJB)	0.6(NJB)	1(NJB)	<0.01(R)	<0.01(R)	1(NJB)		
beta-Endosulfan										
Chlordane										
delta-BHC	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		
Dieldrin										
Endosulfan 1										
Endosulfan 2										
Endosulfan sulfate										
Endrin										
Endrin Ketone										
gamma-BHC	<0.01(R)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)		
Gamma-Chlordane										
Heptachlor										
Heptachlor epoxide										
Methoxychlor										
PCB 1016										
PCB 1221										
PCB 1232										
PCB 1242										
PCB 1248										
PCB 1254										
PCB 1260										
Total BHC	<0.01(R)	<0.01(R)	0.46(NJB)	0.66(NJB)	1(NJB)	<0.01(R)	<0.01(R)	1(NJB)		
Total DDT	0.36(R)	0.37(R)	0.32(NJB)	0.37(NJB)	0.58(NJB)	<0.03(R)	0.04(R)	0.41(NJB)		
Toxaphene										

NOTE: See last page of this table for footnotes.

TABLE D.9
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (MG/KG)	SED25 SED25-0-20-COMPOSITE 86/06/07 BAC/ORG	SED25 SED36-0-20-COMPOSITE 86/06/07 BAC/FD	T03B T03B-1.0-1.5 88/09/02 ACC/SEPA	T09C T09C-COMPOSITE 88/09/03 ACC/DSEP	T09C T09C-COMPOSITE 88/09/03 ACC/SEPA	T13C T13C-0.5-1.0 88/09/01 ACC/SEPA
2,4'-DDD	<0.01(R)	<0.01(R)				
2,4'-DDE	<0.01(R)	<0.01(R)				
2,4'-DDT	<0.03(R)	<0.03(R)				
4,4'-DDD	<0.01(R)	<0.01(R)	1.3(J)	1(J)		
4,4'-DDE	<0.01(R)	<0.01(R)	0.87(J)	0.63(J)		
4,4'-DDT	<0.03(R)	<0.03(R)	0.87(J)	0.17(J)	0.75(J)	0.045(J)
Aldrin			<0.063(J)	<0.057(J)		
alpha-BHC	<0.01(R)	<0.01(R)	<0.063(J)	<0.057(J)		
Alpha-Chlordane			0.26(J)	0.18(J)	0.13(J)	0.078(J)
alpha-Endosulfan			<0.063(J)	<0.057(J)		
beta-BHC	<0.01(R)	<0.01(R)	<0.063(J)	<0.057(J)		
beta-Endosulfan			<0.13(J)	<0.11(J)		
Chlordane						
delta-BHC	<0.01(R)	<0.01(R)	<0.063(J)	<0.057(J)		
Dieldrin			<0.13(J)	<0.11(J)		
Endosulfan 1			<0.063(J)	<0.057(J)		
Endosulfan 2			<0.13(J)	<0.11(J)		
Endosulfan sulfate			<0.13(J)	<0.11(J)		
Endrin			<0.13(J)	<0.11(J)		
Endrin Ketone			<0.13(J)	<0.11(J)		
gamma-BHC	<0.01(R)	<0.01(R)	<0.063(J)	<0.057(J)		
Gamma-Chlordane			0.18(J)	0.028(J)	0.04(J)	0.049(J)
Heptachlor			<0.063(J)	<0.057(J)		
Heptachlor epoxide			<0.063(J)	<0.057(J)		
Methoxychlor			<0.63(J)	<0.57(J)	<0.57(J)	<0.48(J)
PCB 1016			<0.63(J)	<0.57(J)		
PCB 1221			<0.63(J)	<0.57(J)		
PCB 1232			<0.63(J)	<0.57(J)		
PCB 1242			<0.63(J)	<0.57(J)		
PCB 1248			<0.63(J)	<0.57(J)		
PCB 1254			<1.3(J)	<1.1(J)		
PCB 1260			<1.3(J)	<1.1(J)		
Total BHC	<0.01(R)	<0.01(R)				
Total DDT	<0.03(R)	<0.03(R)				
Toxaphene			<1.3(J)	<1.1(J)		

NOTE: See last page of this table for footnotes.

TABLE D.9
QUALIFIED DATA, ORGANOCHLORINE PESTICIDES IN SEDIMENT

NOTES: Sediment samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per Kilogram
< = Lose than; Numerical value is the limit of detection for this analysis.

ACC = Acurex Corp.
VILO = Versar Inc.
BAC = Brown & Caldwell
CAL = California Analytical

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
(EH) = Estimated, Due to exceeded holding time.

TABLE D.10
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	SED10 SED10 86/05/30 BAC/ORG	SED10 SED30 86/05/30 BAC/FD	SED11 SED11 86/05/28 VILO/OEPA	SED11 SED11-31-62-85-COMPOSITE 86/05/28 BAC/ORG	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA	SED13 SED13-35-85-135-COMPOSIT 86/05/30 VILO/SEPA	SED14 SED14-25-60-COMPOSITE 86/06/11 BAC/ORG	SED14 SED37-25-60-COMPOSITE 86/06/11 BAC/FD	SED15 SED15-30-50-95-COMPOSITE 86/06/11 BAC/ORG
1,1,1-Trichloroethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene		<0.3[EH]	<0.3[EH]		<0.3[EH]				<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene		<0.3[EH]	<0.3[EH]		<0.3[EH]				<0.3[EH]	<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene		<0.3[EH]	<0.3[EH]		<0.3[EH]				<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.01[EH]	<0.3[EH]	<0.3[EH]	<0.016[EH]	<0.3[EH]	<0.162[EH]	<0.015[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Hexanone	<0.01[EH]			<0.016[EH]		<0.162[EH]	<0.015[EH]				
4-Methyl-2-Pentanone	<0.01[EH]			<0.016[EH]		<0.162(J)[EH]	<0.015(J)[EH]				
Acetone	<0.01[EH]	<3[EH]	<3[EH]	<0.016[EH]	5[EH]	<0.162(J)[EH]	<0.015(J)[EH]		<3[EH]	<3[EH]	<3[EH]
Acrolein		<3[EH]	<3[EH]		<3[EH]				<3[EH]	<3[EH]	<3[EH]
Acrylonitrile		<3[EH]	<3[EH]		<3[EH]				<3[EH]	<3[EH]	<3[EH]
Benzene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromoform	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromomethane	<0.01[EH]	<0.3[EH]	<0.3[EH]	<0.016[EH]	<0.3[EH]	<0.162[EH]	<0.015[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Carbon Disulfide	<0.005[EH]			<0.008[EH]		<0.081[EH]	<0.008[EH]				
Carbon Tetrachloride	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroethane	<0.01[EH]	<0.3[EH]	<0.3[EH]	<0.016[EH]	<0.3[EH]	<0.162[EH]	<0.015[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroform	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloromethane	<0.01[EH]	<0.3[EH]	<0.3[EH]	<0.016[EH]	<0.3[EH]	<0.162[EH]	<0.015[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	0.93(J)[EH]	0.12(J)[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Methyl Acetate											
Methyl Ethyl Ketone	<0.01[EH]			<0.016[EH]		<0.162[EH]	<0.015[EH]				
Methylene Chloride	<0.005[EH]	<0.3[EH]	<0.3[EH]	0.009[EH]	<0.3[EH]	<0.081(J)[EH]	<0.008(J)[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Styrene	<0.005[EH]			<0.008[EH]		<0.081[EH]	<0.008[EH]				
Tetrachloroethylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Toluene	0.019[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081(J)[EH]	<0.008(J)[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Total Xylenes	<0.005[EH]			<0.008[EH]		0.31(J)[EH]	0.028(J)[EH]				
trans-1,2-Dichloroethylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.005[EH]	<0.3[EH]	<0.3[EH]	<0.008[EH]	<0.3[EH]	<0.081[EH]	<0.008[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichlorofluoromethane		<0.3[EH]	<0.3[EH]		<0.3[EH]				<0.3[EH]	<0.3[EH]	<0.3[EH]
Unknown (as appropriate w/method)				0.032(J)[EH]		0.81(J)[EH]		0.078(J)[EH]			
Unknown Hydrocarbon						0.64(J)[EH]		0.498(J)[EH]			
Vinyl Acetate	<0.01[EH]			<0.016[EH]		<0.162[EH]	<0.015[EH]				
Vinyl Chloride	<0.01[EH]	<0.3[EH]	<0.3[EH]	<0.016[EH]	<0.3[EH]	<0.162[EH]	<0.015[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]

NOTE: See last page of this table for footnotes.

TABLE D.10
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	SED16 SED16-0-20-COMPOSITE 86/06/05 BAC/ORG	SED17 SED17-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED18-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED33-0-20-COMPOSITE 86/06/05 BAC/FD	SED19 SED19-0-20-COMPOSITE 86/06/04 BAC/ORG	SED19 SED30-0-20-COMPOSITE 86/06/04 BAC/FD	SED20 SED20 86/06/06 VILO/OEPA	SED20 SED20-0-20-COMPOSITE 86/06/06 BAC/ORG	SED20 SED20-0-20-COMPOSITE 86/06/06 VILO/OEPA	SED21 SED21-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED35-0-20-COMPOSITE 86/06/06 BAC/FD
1,1,1-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
2-Hexanone											
4-Methyl-2-Pentanone											
Acetone	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]		<3[EH]	0.16(J)	<3[EH]	<3[EH]
Acrolein	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]			<3[EH]		<3[EH]	<3[EH]
Acrylonitrile	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]			<3[EH]		<3[EH]	<3[EH]
Benzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Bromoform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Bromomethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Carbon Disulfide											
Carbon Tetrachloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Chloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Chloroform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Chloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Methyl Acetate	7[EH]	3[EH]	3[EH]	4[EH]							
Methyl Ethyl Ketone											
Methylene Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Styrene											
Tetrachloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Toluene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Total Xylenes											
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]
Unknown (as appropriate w/method)							0.028(J)				
Unknown Hydrocarbon											
Vinyl Acetate											
Vinyl Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]		<0.3[EH]	<0.3[EH]

NOTE: See last page of this table for footnotes.

TABLE D.10
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	SED22 SED22-0-20-COMPOSITE 86/06/06 BAC/ORG	SED23 SED23-0-20-COMPOSITE 86/06/07 BAC/ORG	SED24 SED24-0-20-COMPOSITE 86/06/06 BAC/ORG	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA	SED25 SED25-0-20-COMPOSITE 86/06/07 BAC/ORG	SED25 SED38-0-20-COMPOSITE 86/06/07 BAC/FD
1,1,1-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
2-Hexanone							
4-Methyl-2-Pentanone							
Acetone	<3[EH]	<3[EH]	<3[EH]			<3[EH]	<3[EH]
Acrolein	<3[EH]	<3[EH]	<3[EH]			<3[EH]	<3[EH]
Acrylonitrile	<3[EH]	<3[EH]	<3[EH]			<3[EH]	<3[EH]
Benzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	1[EH]
Bromoform	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Bromomethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Carbon Disulfide							
Carbon Tetrachloride	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Chloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Chloroform	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Chloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Methyl Acetate							
Methyl Ethyl Ketone							
Methylene Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Styrene							
Tetrachloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Toluene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Total Xylenes							
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
Unknown (as appropriate w/method)				0.032(J)	0.046(J)		
Unknown Hydrocarbon							
Vinyl Acetate							
Vinyl Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]

NOTE: See last page of this table for footnotes.

TABLE D.10
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

NOTES: Sediment samples analyzed for volatile organic compounds using EPA Method 8240.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per Kilogram
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.
BAC = Brown & Caldwell

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
[EH] = Estimated, due to exceeded holding time.

TABLE D.11
QUALIFIED DATA, BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/SEPA	SED13 SED13 86/05/30 VILO/DSEP	SED20 SED20-0-20-COMPOSITE 86/06/06 VILO/SEPA	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA
4-Hydroxy-4-Methyl-2-Pentanone					62(J)
4-Methyl-3-Penten-2-One					4.8(J)
Bis(2-ethylhexyl) phthalate	0.3(J)	28(J)			
Chrysene			1.9(J)		
Fluoranthene	0.37(J)		2.1(J)	1.6(J)	1.7(J)
Pyrene	0.25(J)	<30(J)	2.2(J)		
Unknown (as appropriate w/method)					23.6(J)
Unknown Hydrocarbon					56.6(J)

NOTES: Sediment samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per Kilogram
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.

DSEP = Duplicate Split EPA Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SED16 SW16 86/06/05 BAC/ORG	SED17 SW17 86/06/05 BAC/ORG	SED17 SW31 86/06/05 BAC/FD	SED18 SW18 86/06/05 BAC/ORG	SED19 SW19 86/06/05 BAC/ORG	SED20 SW20-FILTERED 86/06/06 BAC/ORG	SED21 SW21-FILTERED 86/06/06 BAC/ORG	SED21 SW21-UNFILTERED 86/06/06 BAC/ORG	SED21 SW35 86/06/06 BAC/FD	SED23 SW23 86/06/07 BAC/ORG	SED24 SW24-FILTERED 86/06/06 BAC/ORG	SED24 SW24-FILTERED 86/06/06 BAC/RA
2,4'-DDD	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
2,4'-DDE	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
2,4'-DDT	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<0.5[EH]
4,4'-DDD	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
4,4'-DDE	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
4,4'-DDT	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<0.5[EH]
Aldrin												
alpha-BHC	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
alpha-Endosulfan												
beta-BHC	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
beta-Endosulfan												
Chlordane												
delta-BHC	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
Dieldrin												
Endosulfan 1												
Endosulfan 2												
Endosulfan sulfate												
Endrin												
Endrin Ketone												
gamma-BHC	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.25[EH]
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
PCB 1016												
PCB 1221												
PCB 1232												
PCB 1242												
PCB 1248												
PCB 1254												
PCB 1260												
Total BHC	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<0.05(R)	<0.05(R)	<0.05(R)[EH]	<0.05(R)[EH]	<1[EH]
Total DDT	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<0.1(R)	<0.1(R)	<0.1(R)[EH]	<0.1(R)[EH]	<2[EH]
Toxaphene												
Vinyl Chloride												

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SED24 SW24-UNFILTERED 86/06/06 BAC/ORG	SED24 SW24-UNFILTERED 86/06/06 BAC/RA	SED25 SW25 86/06/07 BAC/ORG	SED25 SW37 86/06/07 BAC/FD	SW01 R2-SW01 87/01/04 BAC/ORG	SW01 R3-SW01 87/01/06 BAC/ORG	SW01 R4-SW01 87/02/13 BAC/ORG	SW01 R4-SW100 87/02/13 BAC/FD	SW01 R5-SW01 87/03/06 BAC/ORG	SW01 R5-SW100 87/03/06 BAC/FD	SW02 R1-SW02 88/09/24 BAC/ORG	SW02 R1-SW02-FILTERED 88/09/24 BAC/ORG
2,4'-DDD	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	<0.01(J)	0.28(NJB)	<0.1(J)	<0.1(J)	0.57(NJB)	1.3(NJB)	<0.1(J)	<0.1(J)
2,4'-DDE	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	<0.01(J)	0.043(NJB)	<0.1(J)	<0.1(J)	1.1(NJB)	1.3(NJB)	<0.1(J)	<0.1(J)
2,4'-DDT	<1(R)	<0.5[EH]	<0.1(R)[EH]	<0.1(R)[EH]	<0.02(J)	0.42(NJB)	<0.2(J)	<0.2(J)	<0.02(J)	0.76(NJB)	<0.2(J)	<0.2(J)
4,4'-DDD	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	1.8(NJ)[EA]	0.42(NJB)	2.7(NJB)[EA]	1.3(NJB)[EA]	2.2(NJB)	3.6(NJB)	<0.1(J)	<0.1(J)
4,4'-DDE	6.7(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	0.1(NJ)[EA]	4.3(NJB)	2(NJB)[EA]	0.86(NJB)[EA]	3.5(NJB)	5(NJB)	<0.1(J)	<0.1(J)
4,4'-DDT	<1(R)	<0.5[EH]	<0.1(R)[EH]	<0.1(R)[EH]	2.2(NJ)[EA]	1.3(NJB)	5.6(NJB)[EP]	2.6(NJB)[EP]	2.8(NJB)[EP]	3.3(NJB)[EP]	<0.2(J)	<0.2(J)
Aldrin												
alpha-BHC	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	0.45(NJ)	0.35(NJB)	0.87(NJB)[EA]	0.47(NJB)[EA]	0.42(NJB)	0.48(NJB)	<0.1(J)	<0.1(J)
alpha-Endosulfan												
beta-BHC	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	<0.01(J)	<0.1(J)	<0.1(J)	<0.1(J)	0.57(NJB)	0.65(NJB)	<0.1(J)	<0.1(J)
beta-Endosulfan												
Chlordane												
delta-BHC	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	<0.01(J)	<0.1(J)	0.51(NJB)[EA]	0.26(NJB)[EA]	0.13(NJB)	0.14(NJB)	<0.1(J)	<0.1(J)
Dieldrin												
Endosulfan 1												
Endosulfan 2												
Endosulfan sulfate												
Endrin												
Endrin Ketone												
gamma-BHC	<0.5(R)	<0.25[EH]	<0.05(R)[EH]	<0.05(R)[EH]	<0.01(J)[EA]	0.37(NJB)	A)	]	0.6(NJB)	0.74(NJB)	<0.1(J)	<0.1(J)
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
PCB 1016												
PCB 1221												
PCB 1232												
PCB 1242												
PCB 1248												
PCB 1254												
PCB 1260												
Total BHC	<0.5(R)	<1[EH]	<0.05(R)[EH]	<0.05(R)[EH]	]	0.72(NJB)	1.8(NJB)[EP]	0.92(NJB)[EP]	1.7(NJB)[EP]	2(NJB)[EP]	<0.1(J)	<0.1(J)
Total DDT	6.7(R)	<2[EH]	<0.1(R)[EH]	<0.1(R)[EH]	4.1(NJ)[EP]	6.8(NJB)	10(NJB)[EP]	4.8(NJB)[EP]	10(NJB)[EP]	15(NJB)[EP]	<0.2(J)	<0.2(J)
Toxaphene												
Vinyl Chloride												

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW02 R1-SW200 86/09/24 BAC/FD	SW02 R1-SW200-FILTERED 86/09/24 BAC/FD	SW02 R2-SW02 87/01/04 BAC/ORG	SW02 R2-SW200 87/01/04 BAC/FD	SW02 R3-SW02 87/01/06 BAC/ORG	SW02 R4-SW02 87/02/13 BAC/ORG	SW02 R4-SW02-FILTERED 87/02/13 BAC/ORG	SW02 R5-SW02 87/03/05 BAC/ORG	SW03 R1-SW03 86/09/24 BAC/ORG	SW03 R1-SW03-FILTERED 86/09/24 BAC/ORG	SW03 R2-SW03 87/01/04 BAC/ORG
2,4'-DDD	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	1.1(J)	<0.1(J)	1.7(NJ)
2,4'-DDE	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.05(J)	<0.1(J)	0.08(NJ)
2,4'-DDT	<0.2(J)	<0.2(J)	<0.02(J)	<0.02(J)	0.3(NJB)	<0.02(R)	<0.02(J)	<0.02(J)	3.3(J)	<0.2(J)	1.6(NJ)
4,4'-DDD	<0.1(J)	<0.1(J)	0.89(NJ)[EA]	0.36(NJ)[EA]	0.3(NJB)	0.42(R)[EA]	0.22(NJ)[EA]	0.38(NJB)	1.9(J)	<0.1(J)	1.6(NJ)[EA]
4,4'-DDE	<0.1(J)	<0.1(J)	0.33(NJ)[EA]	0.36(NJ)[EA]	0.25(NJB)	0.31(R)[EA]	0.16(NJ)[EA]	0.35(NJB)	4.8(J)	<0.1(J)	1.4(NJ)[EA]
4,4'-DDT	<0.2(J)	<0.2(J)	2.4(NJ)[EA]	1.6(NJ)[EA]	1.8(NJB)	1.1(R)	0.34(NJ)	0.56(NJB)[EP]	34(J)	<0.2(J)	2.6(NJ)[EA]
Aldrin											
alpha-BHC	<0.1(J)	<0.1(J)	0.03(NJ)[EA]	0.24(NJ)	0.07(NJB)	0.17(R)[EA]	0.12(NJ)[EA]	0.07(NJB)	<0.05(J)	<0.1(J)	0.44(NJ)
alpha-Endosulfan											
beta-BHC	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.05(J)	<0.1(J)	1.2(NJ)
beta-Endosulfan											
Chlordane											
delta-BHC	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	0.1(NJB)	<0.01(R)	<0.01(J)	<0.01(J)	<0.05(J)	<0.1(J)	<0.01(J)
Dieldrin											
Endosulfan 1											
Endosulfan 2											
Endosulfan sulfate											
Endrin											
Endrin Ketone											
gamma-BHC	<0.1(J)	<0.1(J)	]	0.28(NJ)[EPEA]	0.03(NJB)	0.02(R)[EA]	0.07(NJ)[EA]	0.09(NJB)	<0.05(J)	<0.1(J)	0.44(NJ)[EPEA]
Heptachlor											
Heptachlor epoxide											
Methoxychlor											
PCB 1016											
PCB 1221											
PCB 1232											
PCB 1242											
PCB 1248											
PCB 1254											
PCB 1260											
Total BHC	<0.1(J)	<0.1(J)	0.08(NJ)[EP]	0.52(NJ)[EP]	0.2(NJB)	0.19(R)	0.19(NJ)	0.16(NJB)[EP]	<0.05(J)	<0.1(J)	2.1(NJ)[EP]
Total DDT	<0.2(J)	<0.2(J)	3.6(NJ)[EP]	2.32(NJ)[EP]	2.7(NJB)	1.8(R)	0.74(NJ)	1.3(NJB)[EP]	45(J)	<0.2(J)	9.2(NJ)[EP]
Toxaphene											
Vinyl Chloride											

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW03 R2-SW03-FILTERED 87/01/04 BAC/ORG	SW03 R3-SW03 87/01/06 BAC/ORG	SW03 R3-SW300 87/01/06 BAC/FD	SW03 R4-SW03 87/02/13 BAC/ORG	SW03 R4-SW03-FILTERED 87/02/13 BAC/ORG	SW03 R5-SW03 87/03/06 BAC/ORG	SW03 R5-SW300 87/03/06 BAC/FD	SW04 R1-SW04 86/09/24 BAC/ORG	SW04 R1-SW04-FILTERED 86/09/24 BAC/ORG	SW04 R2-SW04 87/01/04 BAC/ORG	SW04 R3-SW04 87/01/06 BAC/ORG	SW04 R4-SW04 87/02/13 BAC/ORG
2,4'-DDD		0.3(N)	0.28(N)	<0.01(R)	<0.01(J)	0.64(NJB)	0.42(NJB)	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(R)
2,4'-DDE		<0.1(J)	<0.1(J)	<0.01(R)	<0.01(J)	0.43(NJB)	0.39(NJB)	<0.1(J)	<0.1(J)	<0.01(J)	0.06(NJB)	<0.01(R)
2,4'-DDT		0.37(N)	0.4(N)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.2(J)	<0.2(J)	<0.02(J)	<0.02(J)	<0.02(R)
4,4'-DDD	<0.1[EA]	0.37(N)	0.4(N)	2.6(R)[EA]	<0.01(J)	1.8(NJB)	1.2(NJB)	<0.1(J)	<0.1(J)	<0.01(J)[EA]	<0.01(J)	<0.01(R)
4,4'-DDE	<0.1[EA]	2(N)	2.1(N)	1(R)[EA]	<0.01(J)	1.8(NJB)	0.85(NJB)	<0.1(J)	<0.1(J)	<0.01(J)[EA]	<0.01(J)	<0.01(R)
4,4'-DDT	<0.2[EA]	1(N)	1.2(N)	5.5(R)	<0.02(J)	2.8(NJB)[EP]	1.6(NJB)[EP]	<0.2(J)	<0.2(J)	0.22(NJ)[EA]	0.1(NJB)	<0.02(R)
Aldrin												
alpha-BHC	<0.05[EA]	0.14(N)	0.14(N)	0.36(R)[EA]	0.027(NJ)[EA]	0.08(NJB)	0.06(NJB)	<0.1(J)	<0.1(J)	0.12(NJ)	0.01(NJB)	0.043(R)[EA]
alpha-Endosulfan												
beta-BHC		0.13(N)	0.16(N)	<0.01(R)	<0.01(J)	0.2(NJB)	0.17(NJB)	<0.1(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(R)
beta-Endosulfan												
Chlordane												
delta-BHC		0.12(N)	0.13(N)	0.48(R)[EA]	<0.01(J)	0.06(NJB)	0.05(NJB)	<0.1(J)	<0.1(J)	<0.01(J)	0.04(NJB)	<0.01(R)
Dieldrin												
Endosulfan 1												
Endosulfan 2												
Endosulfan sulfate												
Endrin												
Endrin Ketone												
gamma-BHC	<0.1[EA]	0.07(N)	0.06(N)	0.23(R)[EA]	0.041(NJ)[EA]	0.16(NJB)	0.1(NJB)	<0.1(J)	<0.1(J)	0.47(NJ)[EPEA]	0.03(NJB)	0.044(R)[EA]
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
PCB 1016												
PCB 1221												
PCB 1232												
PCB 1242												
PCB 1248												
PCB 1254												
PCB 1260												
Total BHC		0.46(N)	0.49(N)	1.1(R)	0.068(NJ)	0.5(NJB)[EP]	0.38(NJB)[EP]	<0.1(J)	<0.1(J)	0.59(NJ)[EP]	0.08(NJB)	0.087(R)
Total DDT		4(N)	4.4(N)	9.1(R)	<0.02(J)	7.5(NJB)[EP]	4.5(NJB)[EP]	<0.2(J)	<0.2(J)	0.22(NJ)[EP]	0.16(NJB)	<0.02(R)
Toxaphene												
Vinyl Chloride												

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW04 R4-SW04-FILTERED 87/02/13 BAC/ORG	SW04 R5-SW04 87/03/06 BAC/ORG	SW05 R1-SW05 86/09/24 BAC/ORG	SW05 R1-SW05-FILTERED 86/09/24 BAC/ORG	SW05 R2-SW05 87/01/04 BAC/ORG	SW05 R3-SW05-FILTERED 87/01/06 BAC/ORG	SW05 R4-SW05 87/02/13 BAC/ORG	SW05 R4-SW500 87/02/13 BAC/FD	SW05 R5-SW05 87/03/06 BAC/ORG	SW05 SW05-FILTERED 86/06/12 BAC/ORG	SW05 SW05-FILTERED 86/06/12 BAC/RA
2,4'-DDD	<0.01(J)	<0.01(J)	<0.1(J)	<0.1(J)	<0.01(J)	<0.01[EH]	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(R)[EH]	<0.25[EH]
2,4'-DDE	<0.01(J)	<0.01(J)	<0.1(J)	<0.1(J)	<0.01(J)	<0.01[EH]	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(R)[EH]	<0.25[EH]
2,4'-DDT	<0.02(J)	<0.02(J)	<0.2(J)	<0.2(J)	<0.02(J)	<0.02[EH]	<0.02(J)	<0.02(J)	<0.02(J)	<0.1(R)[EH]	<0.5[EH]
4,4'-DDD	<0.01(J)	0.12(NJB)	<0.1(J)	<0.1(J)	<0.01(J)[EA]	<0.01[EH]	<0.01(J)	<0.01(J)	0.11(NJB)	0.23(R)[EH]	<0.25[EH]
4,4'-DDE	<0.01(J)	0.13(NJB)	<0.1(J)	<0.1(J)	0.06(NJ)[EA]	<0.01[EH]	<0.01(J)	<0.01(J)	0.13(NJB)	0.39(R)[EH]	<0.25[EH]
4,4'-DDT	<0.02(J)	0.12(NJB)[EP]	<0.2(J)	<0.2(J)	0.17(NJ)[EA]	<0.02[EH]	<0.02(J)	<0.02(J)	0.17(NJB)[EP]	0.9(R)[EH]	<0.5[EH]
Aldrin											
alpha-BHC	0.039(NJ)[EA]	0.021(NJB)	<0.1(J)	<0.1(J)	0.14(NJ)	0.07[EH]	<0.005(J)	<0.005(J)	<0.005(J)	<0.05(R)[EH]	<0.25[EH]
alpha-Endosulfan											
beta-BHC	<0.01(J)	<0.01(J)	<0.1(J)	<0.1(J)	<0.01(J)	0.02[EH]	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(R)[EH]	<0.25[EH]
beta-Endosulfan											
Chlordane											
delta-BHC	<0.01(J)	<0.01(J)	<0.1(J)	<0.1(J)	<0.01(J)	0.1[EH]	<0.01(J)	<0.01(J)	<0.01(J)	<0.05(R)[EH]	<0.25[EH]
Dieldrin											
Endosulfan 1											
Endosulfan 2											
Endosulfan sulfate											
Endrin											
Endrin Ketone											
gamma-BHC	0.037(NJ)[EA]	0.084(NJB)	<0.1(J)	<0.1(J)	0.3(NJ)[EPEA]	0.24[EH]	<0.01(J)	<0.01(J)	0.1(NJB)	<0.05(R)[EH]	<0.25[EH]
Heptachlor											
Heptachlor epoxide											
Methoxychlor											
PCB 1016											
PCB 1221											
PCB 1232											
PCB 1242											
PCB 1248											
PCB 1254											
PCB 1260											
Total BHC	0.076(NJ)	0.11(NJB)[EP]	<0.1(J)	<0.1(J)	0.44(NJ)[EP]	0.43[EH]	<0.01(J)	<0.01(J)	0.1(NJB)[EP]	<0.05(R)[EH]	<1[EH]
Total DDT	<0.02(J)	0.37(NJB)[EP]	<0.2(J)	<0.2(J)	0.23(NJ)[EP]	<0.02[EH]	<0.02(J)	<0.02(J)	0.41(NJB)[EP]	1.5(R)[EH]	<2[EH]
Toxaphene											
Vinyl Chloride											

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW05 SW05-UNFILTERED 86/06/12 BAC/ORG	SW05 SW05-UNFILTERED 86/06/12 BAC/RA	SW05 SW39 86/06/12 BAC/FD	SW06 R4-SW06-COMPOSITE 87/02/13 BAC/ORG	SW06 R5-SW06-COMP-FILTERED 87/03/06 BAC/ORG	SW06 R5-SW06-COMPOSITE 87/03/06 BAC/ORG	SW06 SW06 86/06/12 BAC/ORG	SW07 R4-SW07-COMPOSITE 87/02/13 BAC/ORG
2,4'-DDD	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
2,4'-DDE	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
2,4'-DDT	<0.1[EH]	<0.5[EH]	<0.1[EH]	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1[EH]	<0.02(J)
4,4'-DDD	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
4,4'-DDE	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
4,4'-DDT	<0.1[EH]	<0.5[EH]	<0.1[EH]	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1[EH]	<0.02(J)
Aldrin								
alpha-BHC	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.005(J)	<0.005[EH]	<0.005(J)	<0.05[EH]	<0.005(J)
alpha-Endosulfan								
beta-BHC	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
beta-Endosulfan								
Chlordane								
delta-BHC	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05[EH]	<0.01(J)
Dieldrin								
Endosulfan 1								
Endosulfan 2								
Endosulfan sulfate								
Endrin								
Endrin Ketone								
gamma-BHC	<0.05[EH]	<0.25[EH]	<0.05[EH]	<0.01(J)	0.11[EH]	0.1(NJB)	<0.05[EH]	<0.01(J)
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
PCB 1016								
PCB 1221								
PCB 1232								
PCB 1242								
PCB 1248								
PCB 1254								
PCB 1260								
Total BHC	<0.05[EH]	<1[EH]	<0.05[EH]	<0.01(J)	0.11[EH]	0.1(NJB)	<0.05[EH]	<0.01(J)
Total DDT	<0.1[EH]	<2[EH]	<0.1[EH]	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1[EH]	<0.02(J)
Toxaphene								
Vinyl Chloride								

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW07 R5-SW07-COMP-FILTERED 87/03/06 BAC/ORG	SW07 R5-SW07-COMPOSITE 87/03/06 BAC/ORG	SW07 SW07-FILTERED 86/06/12 BAC/ORG	SW07 SW07-FILTERED 86/06/12 BAC/RA	SW07 SW07-UNFILTERED 86/06/12 BAC/ORG	SW07 SW07-UNFILTERED 86/06/12 BAC/RA	SW08 R4-SW08-COMPOSITE 87/02/13 BAC/ORG	SW08 R5-SW08-COMP-FILTERED 87/03/06 BAC/ORG
2,4'-DDD	<0.01[EH]	<0.01(J)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
2,4'-DDE	<0.01[EH]	<0.01(J)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
2,4'-DDT	<0.02[EH]	<0.02(J)	<0.1(R)[EH]	<0.5[EH]	<0.1[EH]	<0.5[EH]	<0.02(J)	<0.02[EH]
4,4'-DDD	<0.01[EH]	<0.01(J)	0.17(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
4,4'-DDE	<0.01[EH]	<0.01(J)	0.14(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
4,4'-DDT	<0.02[EH]	<0.02(J)	1.2(R)[EH]	<0.5[EH]	<0.1[EH]	<0.5[EH]	<0.02(J)	<0.02[EH]
Aldrin								
alpha-BHC	<0.005[EH]	<0.005(J)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.005(J)	<0.005[EH]
alpha-Endosulfan								
beta-BHC	<0.01[EH]	<0.01(J)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
beta-Endosulfan								
Chlordane								
delta-BHC	<0.01[EH]	<0.01(J)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	<0.01[EH]
Dieldrin								
Endosulfan 1								
Endosulfan 2								
Endosulfan sulfate								
Endrin								
Endrin Ketone								
gamma-BHC	0.07[EH]	0.09(NJB)	<0.05(R)[EH]	<0.25[EH]	<0.05[EH]	<0.25[EH]	<0.01(J)	0.07[EH]
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
PCB 1016								
PCB 1221								
PCB 1232								
PCB 1242								
PCB 1248								
PCB 1254								
PCB 1260								
Total BHC	0.07[EH]	0.09(NJB)	<0.05(R)[EH]	<1[EH]	<0.05[EH]	<1[EH]	<0.01(J)	0.07[EH]
Total DDT	<0.02[EH]	<0.02(J)	1.5(R)[EH]	<2[EH]	<0.1[EH]	<2[EH]	<0.02(J)	<0.02[EH]
Toxaphene								
Vinyl Chloride								

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW08 R5-SW08-COMPOSITE 87/03/06 BAC/ORG	SW08 SW08-FILTERED 86/06/12 BAC/ORG	SW08 SW08-FILTERED 86/06/12 BAC/RA	SW08 SW08-UNFILTERED 86/06/12 BAC/ORG	SW08 SW08-UNFILTERED 86/06/12 BAC/RA	SW09 R4-SW09-COMPOSITE 87/02/13 BAC/ORG	SW09 R5-SW09-COMP-FILTERED 87/03/06 BAC/ORG	SW09 R5-SW09-COMPOSITE 87/03/06 BAC/ORG	SW09 SW09 86/06/12 BAC/ORG
2,4'-DDD	<0.01(J)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
2,4'-DDE	<0.01(J)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
2,4'-DDT	<0.02(J)	<0.1(R)[EH]	<0.6[EH]	<0.1[EH]	<0.6[EH]	<0.02(R)	<0.02[EH]	<0.02(J)	<0.1[EH]
4,4'-DDD	<0.01(J)	0.08(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
4,4'-DDE	<0.01(J)	0.16(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
4,4'-DDT	<0.02(J)	0.4(R)[EH]	<0.6[EH]	<0.1[EH]	<0.6[EH]	<0.02(R)	<0.02[EH]	<0.02(J)	<0.1[EH]
Aldrin									
alpha-BHC	<0.005(J)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.005(R)	<0.005[EH]	<0.005(J)	<0.05[EH]
alpha-Endosulfan									
beta-BHC	<0.01(J)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
beta-Endosulfan									
Chlordane									
delta-BHC	<0.01(J)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	<0.01[EH]	<0.01(J)	<0.05[EH]
Dieldrin									
Endosulfan 1									
Endosulfan 2									
Endosulfan sulfate									
Endrin									
Endrin Ketone									
gamma-BHC	0.11(NJB)	<0.05(R)[EH]	<0.3[EH]	<0.05[EH]	<0.3[EH]	<0.01(R)	0.06[EH]	0.07(NJB)	<0.05[EH]
Heptachlor									
Heptachlor epoxide									
Methoxychlor									
PCB 1016									
PCB 1221									
PCB 1232									
PCB 1242									
PCB 1248									
PCB 1254									
PCB 1260									
Total BHC	0.11(NJB)	<0.05(R)[EH]	<1[EH]	<0.05[EH]	<1[EH]	<0.01(R)	0.06[EH]	0.07(NJB)	<0.05[EH]
Total DDT	<0.02(J)	0.64(R)[EH]	<2[EH]	<0.1[EH]	<2[EH]	<0.02(R)	<0.02[EH]	<0.02(J)	<0.1[EH]
Toxaphene									
Vinyl Chloride									

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW10 R4-SW10-COMPOSITE 87/02/13 BAC/ORG	SW10 R5-SW10-COMP-FILTERED 87/03/06 BAC/ORG	SW10 R5-SW10-COMPOSITE 87/03/06 BAC/ORG	SW10 SW10 86/06/13 BAC/ORG	SW11 R5-SW11 87/03/06 BAC/ORG	SW12 R5-SW12 87/03/06 BAC/ORG	SW13 R5-SW13 87/03/06 BAC/ORG	SW14 R5-SW14 87/03/06 BAC/ORG	SW15 R5-SW15 87/03/06 BAC/ORG	SW16 R5-SW16 87/03/06 BAC/ORG	SW17 R5-SW17 87/03/06 BAC/ORG	SW18 R5-SW18 87/03/06 BAC/ORG	SW19 R5-SW19 87/03/06 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)
4,4'-DDD	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
4,4'-DDE	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
4,4'-DDT	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)
Aldrin													
alpha-BHC	<0.005(J)	<0.005[EH]	<0.005(J)	<0.05(R)	<0.005(J)	<0.05(J)	<0.005(J)	<0.005(J)	<0.005(J)	<0.005(J)	<0.005(J)	<0.005(J)	<0.005(J)
alpha-Endosulfan													
beta-BHC	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<0.01[EH]	<0.01(J)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin Ketone													
gamma-BHC	<0.01(J)	0.08[EH]	0.1(NJB)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	0.08[EH]	0.1(NJB)	<0.05(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	<0.02(J)	<0.02[EH]	<0.02(J)	<0.1(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(J)
Toxaphene													
Vinyl Chloride													

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW20 R5-SW20 87/03/06 BAC/ORG	SW20 SW20-COMPOSITE 86/06/06 VILO/SEPA	SW24 SW24 86/06/06 VILO/DEPA
2,4'-DDD	<0.01(J)		
2,4'-DDE	<0.01(J)		
2,4'-DDT	<0.02(J)		
4,4'-DDD	<0.01(J)	<0.2[EH]	<0.2[EH]
4,4'-DDE	<0.01(J)	<0.2[EH]	<0.2[EH]
4,4'-DDT	<0.02(J)	<0.2[EH]	<0.2[EH]
Aldrin		<0.1[EH]	<0.1[EH]
alpha-BHC	<0.005(J)	<0.1[EH]	<0.1[EH]
alpha-Endosulfan		<0.1[EH]	<0.1[EH]
beta-BHC	<0.01(J)	<0.1[EH]	<0.1[EH]
beta-Endosulfan		<0.2[EH]	<0.2[EH]
Chlordane		<0.2[EH]	<0.2[EH]
delta-BHC	<0.01(J)	<0.1[EH]	<0.1[EH]
Dieldrin		<0.2[EH]	<0.2[EH]
Endosulfan 1		<0.1[EH]	<0.1[EH]
Endosulfan 2		<0.2[EH]	<0.2[EH]
Endosulfan sulfate		<0.2[EH]	<0.2[EH]
Endrin		<0.2[EH]	<0.2[EH]
Endrin Ketone		<0.2[EH]	<0.2[EH]
gamma-BHC	<0.01(J)	<0.1[EH]	<0.1[EH]
Heptachlor		<0.1[EH]	<0.1[EH]
Heptachlor epoxide		<0.1[EH]	<0.1[EH]
Methoxychlor		<0.2[EH]	<0.2[EH]
PCB 1016		<1[EH]	<1[EH]
PCB 1221		<1[EH]	<1[EH]
PCB 1232		<1[EH]	<1[EH]
PCB 1242		<1[EH]	<1[EH]
PCB 1248		<1[EH]	<1[EH]
PCB 1254		<2[EH]	<2[EH]
PCB 1260		<2[EH]	<2[EH]
Total BHC	<0.01(J)		
Total DDT	<0.02(J)		
Toxaphene		<2[EH]	<2[EH]
Vinyl Chloride			

NOTE: See last page of this table for footnotes.

TABLE D.12
QUALIFIED DATA, ORGANOCHLORINE PESTICIDE COMPOUNDS IN SURFACE WATER

NOTES: Surface water samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Surface Water Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

UG/L = Micrograms per Liter
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.
BAC = Brown & Caldwell

DEPA = Duplicate EPA Sample
FD = Field Duplicate
RA = Reanalysis
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
[EA] = Estimated quantity due to accuracy goals not met.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.

TABLE D.13
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SED25 SW25-S-D-COMPOSITE 86/08/07 BAC/ORG	SW01 R3-SW01 87/01/06 BAC/ORG	SW02 R2-SW200 87/01/04 BAC/FD	SW02 R3-SW02 87/01/06 BAC/ORG	SW03 R2-SW03 87/01/04 BAC/ORG	SW03 R3-SW03 87/01/06 BAC/ORG	SW03 R3-SW300 87/01/06 BAC/FD	SW04 R3-SW04 87/01/06 BAC/ORG	SW05 R2-SW05 87/01/04 BAC/ORG	SW24 SW24 86/06/06 VILO/DEPA	SW24 SW24 86/06/06 VILO/DEPA	SW06 R5-SW06-COMPOSITE 87/03/06 BAC/ORG
1,1,1-Trichloroethane	<1[EH]											
1,1,2,2-Tetrachloroethane	<1[EH]											
1,1,2-Trichloroethane	<1[EH]											
1,1-Dichloroethane	<1[EH]											
1,1-Dichloroethylene	<1[EH]											
1,2-Dichlorobenzene	<1[EH]											
1,2-Dichloroethane	<1[EH]											
1,2-Dichloropropane	<1[EH]											
1,3-Dichlorobenzene	<1[EH]											
1,4-Dichlorobenzene	<1[EH]											
2-Chloroethylvinyl ether	<1[EH]											
Acetone	<10[EH]									8(J)		
Acrolein	<10[EH]											
Acrylonitrile	<10[EH]											
Benzene	<1[EH]											
Bromodichloromethane	<1[EH]											
Bromoform	<1[EH]											
Bromomethane	<1[EH]											
Carbon Tetrachloride	<1[EH]											
Chlorobenzene	<1[EH]											0.1 (NJB)
Chloroethane	<1[EH]											
Chloroform	<1[EH]						9[EP]					
Chloromethane	<1[EH]											
cis-1,3-Dichloropropylene	<1[EH]											
Dibromochloromethane	<1[EH]	<1[EA]	<1[EA]	<1[EA]	<1[EA]	<1[EA]		<1[EA]	<1[EA]			
Ethylbenzene	<1[EH]											
Methylene Chloride	<1[EH]										2(J)	
Tetrachloroethylene	<1[EH]											
Toluene	<1[EH]											
Dichloroethylene	<1[EH]											
Dichloropropylene	<1[EH]											0.1 (NJB)
Trichloroethylene	<1[EH]											
Trichlorofluoromethane	<1[EH]											
Vinyl Chloride	<1[EH]											

NOTE: See last page of this table for footnotes.

TABLE D.13
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER

COMPOUND (UG/L)	SW07 R5-SW07-COMPOSITE 87/03/06 BAC/ORG	SW08 R5-SW08-COMPOSITE 87/03/06 BAC/ORG	SW09 R5-SW09-COMPOSITE 87/03/06 BAC/ORG	SW10 R5-SW10-COMPOSITE 87/03/06 BAC/ORG	SW20 SW20-COMPOSITE 86/06/06 VILO/SEPA	SW24 SW24 86/06/06 VILO/DEPA
1,1,1-Trichloroethane						
1,1,2,2-Tetrachloroethane						
1,1,2-Trichloroethane						
1,1-Dichloroethane					<0.2 [EH]	<0.2 [EH]
1,1-Dichloroethylene					<0.2 [EH]	<0.2 [EH]
1,2-Dichlorobenzene					<0.2 [EH]	<0.2 [EH]
1,2-Dichloroethane					<0.1 [EH]	<0.1 [EH]
1,2-Dichloropropane					<0.1 [EH]	<0.1 [EH]
1,3-Dichlorobenzene					<0.1 [EH]	<0.1 [EH]
1,4-Dichlorobenzene					<0.1 [EH]	<0.1 [EH]
2-Chloroethylvinyl ether					<0.2 [EH]	<0.2 [EH]
Acetone					<0.2 [EH]	<0.2 [EH]
Acrolein					<0.1 [EH]	<0.1 [EH]
Acrylonitrile					<0.2 [EH]	<0.2 [EH]
Benzene					<0.1 [EH]	<0.1 [EH]
Bromodichloromethane					<0.2 [EH]	<0.2 [EH]
Bromoform					<0.2 [EH]	<0.2 [EH]
Bromomethane					<0.2 [EH]	<0.2 [EH]
Carbon Tetrachloride					<0.2 [EH]	<0.2 [EH]
Chlorobenzene	0.09 (NJB)	0.11 (NJB)	0.07 (NJB)	0.1 (NJB)	<0.1 [EH]	<0.1 [EH]
Chloroethane					<0.1 [EH]	<0.1 [EH]
Chloroform					<0.1 [EH]	<0.1 [EH]
Chloromethane					<0.2 [EH]	<0.2 [EH]
cis-1,3-Dichloropropylene					<1 [EH]	<1 [EH]
Dibromochloromethane					<1 [EH]	<1 [EH]
Ethylbenzene					<1 [EH]	<1 [EH]
Methylene Chloride					<1 [EH]	<1 [EH]
Tetrachloroethylene					<1 [EH]	<1 [EH]
Toluene					<2 [EH]	<2 [EH]
Dichloroethylene					<2 [EH]	<2 [EH]
Dichloropropylene	0.09 (NJB)	0.11 (NJB)	0.07 (NJB)	0.1 (NJB)		
Trichloroethylene						
Trichlorofluoromethane					<2 [EH]	<2 [EH]
Vinyl Chloride						

NOTE: See last page of this table for footnotes.

TABLE D.13
QUALIFIED DATA, VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER

NOTES: Surface water samples analyzed for volatile organic compounds using EPA Method 8240.
Sample heading provides the following information: Surface Water Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

UG/L = Micrograms per Liter
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.
BAC = Brown & Caldwell

DSEP = Duplicate Split EPA Sample
FQ = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; Tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(EH) = Estimated, due to exceeded holding time.

TABLE D.14
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	LA007 2.75 ft bls 86/05/06 VILO/SEPA	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG	MW003 72 ft bls 85/04/27 BAC/ORG	MW003 77 ft bls 85/04/27 BAC/ORG	S101 32 ft bls 85/05/01 BAC/ORG
2,4'-DDD	0.88 (15)	0.07 (15)	11 (15)	14 (15)	1.5 (15)	54 (16)	15 (16)	11 (16)	72 (16)	<0.05 (16)	<0.05 (16)	<0.05 (16)	0.06 (16)	<0.05 (16)	72 (15)
2,4'-DDE	0.1 (15)	<0.05 (15)	0.46 (15)	0.85 (15)	0.07 (15)	1.9 (16)	0.45 (16)	0.89 (16)	5.5 (16)	<0.05 (16)	<0.05 (16)	<0.05 (16)	<0.05 (16)	<0.05 (16)	3.6 (15)
2,4'-DDT	1.6 (15)	0.55 (15)	180 (15)	230 (15)	23 (15)	1300 (16)	300 (16)	150 (16)	1100 (16)	0.33 (16)	0.25 (16)	0.45 (16)	<0.2 (16)	<0.2 (16)	810 (15)
4,4'-DDD	1.4 (15)	0.08 (15)	42 (15)	52 (15)	6.3 (15)	250 (16)	54 (16)	39 (16)	280 (16)	0.06 (16)	0.06 (16)	0.22 (16)	<0.05 (16)	<0.05 (16)	230 (15)
4,4'-DDE	0.07 (15)	<0.05 (15)	8.5 (15)	11 (15)	2.2 (15)	211 (16)	12 (16)	12 (16)	120 (16)	0.27 (16)	<0.05 (16)	0.22 (16)	<0.05 (16)	<0.05 (16)	60 (15)
4,4'-DDT	2.3 (15)	1.3 (15)	560 (15)	690 (15)	120 (15)	6800 (16)	770 (16)	660 (16)	3400 (16)	1.1 (16)	1.2 (16)	2.5 (16)	0.29 (16)	0.37 (16)	3000 (15)
Chloral	<0.5 (15)	<0.5 (15)	<0.5 (15)	<0.5 (15)	<0.5 (15)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (16)	<0.5 (15)
Total DDT	6.35 (15)	2 (15)	801.96 (15)	997.85 (15)	153.07 (15)	8616.9 (15)	1151.45 (16)	772.99 (16)	4977.5 (16)	1.76 (16)	1.51 (16)	3.39 (16)	0.35 (16)	0.37 (16)	4175.6 (15)

NOTE: See last page of this table for footnotes.

SCO973170036.XLS - LIKE PRE

TABLE D.14
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S101 37 ft bls 85/05/01 BAC/ORG	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
2,4'-DDD	100 (15)	230 (15)	47 (15)	70 (15)
2,4'-DDE	6.2 (15)	11 (15)	2.7 (15)	3.7 (15)
2,4'-DDT	1500 (15)	2600 (15)	650 (15)	970 (15)
4,4'-DDD	510 (15)	870 (15)	180 (15)	290 (15)
4,4'-DDE	190 (15)	210 (15)	58 (15)	86 (15)
4,4'-DDT	7100 (15)	8500 (15)	2300 (15)	3600 (15)
Chloral	<0.5 (15)	<0.5 (15)	<0.5 (15)	<0.5 (15)
Total DDT	9406.2 (15)	12621 (15)	3247.7 (15)	5019.7 (15)

NOTE: See last page of this table for footnotes.

SCO973170036.XLS - LIKE PRE

TABLE D.14
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	13D 3.5 ft bls 85/06/25 CAL/OEPA	14D 8.5 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	LA007 2.75 ft bls 86/05/06 VILO/SEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	35D 2 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA
4,4'-DDD	26 (15)[13](28)	370 (16)[13](29)	72 (16)[13](29)	30 (15)[13](28)	67 (15)[13](28)	130 (15)[13](28)	34 (17)[13](30)	17 (15)[13](28)	34 (17)[12](29)	28 (17)[13](30)
4,4'-DDE	290 (15)[13](28)	300 (16)[13](29)	260 (16)[13](29)	630 (15)[13](28)	250 (15)[13](28)	530 (15)[13](28)	65 (17)[13](30)	94 (15)[13](28)	170 (17)[12](29)	72 (17)[13](30)
4,4'-DDT	<1800 (15)[13](28)	6200 (16)[13](29)	2600 (16)[13](29)	1300 (15)[13](28)	1900 (15)[13](28)	3800 (15)[13](28)	880 (17)[13](30)	630 (15)[13](28)	1400 (17)[12](29)	890 (17)[13](30)
Aldrin	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
alpha-BHC	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	16 (15)[13](28)	29 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	15 (15)[13](28)	16 (17)[12](29)	<12 (17)[13](30)
alpha-Endosulfan	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
beta-BHC	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	4.4 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
beta-Endosulfan	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Chlordane	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<12 (17)[13](30)	<120 (15)[13](28)	<12 (17)[12](29)	<120 (17)[13](30)
delta-BHC	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	2.4 (15)[13](28)	8.9 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	8 (15)[13](28)	10 (17)[12](29)	<12 (17)[13](30)
Dieldrin	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Endosulfan 1	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
Endosulfan 2	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Endosulfan sulfate	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Endrin	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Endrin aldehyde	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
Endrin Ketone	<24 (15)[13](28)	<240 (16)[13](29)	<24 (16)[13](29)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (15)[13](28)	<24 (17)[13](30)	<24 (15)[13](28)	<24 (17)[12](29)	<24 (17)[13](30)
gamma-BHC	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	3.9 (15)[13](28)	14 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	4 (15)[13](28)	8.1 (17)[12](29)	<12 (17)[13](30)
Heptachlor	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
Heptachlor epoxide	<12 (15)[13](28)	<120 (16)[13](29)	<12 (16)[13](29)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	<12 (15)[13](28)	<12 (17)[12](29)	<12 (17)[13](30)
Methoxychlor	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1016	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1221	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1232	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1242	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1248	<120 (15)[13](28)	<1200 (16)[13](29)	<120 (16)[13](29)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (15)[13](28)	<120 (17)[13](30)	<120 (15)[13](28)	<120 (17)[12](29)	<120 (17)[13](30)
PCB 1254	<240 (15)[13](28)	<2400 (16)[13](29)	<240 (16)[13](29)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (17)[13](30)	<240 (15)[13](28)	<240 (17)[12](29)	<240 (17)[13](30)
PCB 1260	<240 (15)[13](28)	<2400 (16)[13](29)	<240 (16)[13](29)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (17)[13](30)	<240 (15)[13](28)	<240 (17)[12](29)	<240 (17)[13](30)
Total BHC	<1.2 (15)[13](28)	<120 (16)[13](29)	<1.2 (16)[13](29)	26.7 (15)[13](28)	51.9 (15)[13](28)	<12 (15)[13](28)	<12 (17)[13](30)	27 (15)[13](28)	35.1 (17)[12](29)	<12 (17)[13](30)
Total DDT	316 (15)[13](28)	6870 (16)[13](29)	2932 (16)[13](29)	1960 (15)[13](28)	2217 (15)[13](28)	4460 (15)[13](28)	979 (17)[13](30)	741 (15)[13](28)	1604 (17)[12](29)	990 (17)[13](30)
Toxaphene	<240 (15)[13](28)	<240 (16)[13](29)	<240 (16)[13](29)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (15)[13](28)	<240 (17)[13](30)	<240 (15)[13](28)	<240 (17)[12](29)	<12 (17)[13](30)

NOTE: See last page of this table for footnotes.

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TABLE D.14
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA003 1 ft bls 86/05/06 VILO/DEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA006 5 ft bls 86/05/06 VILO/DEPA	LA007 2.75 ft bls 86/05/06 VILO/SEPA	NS001 0.25 ft bls 86/05/20 VILO/SEPA	NS010 0.25 ft bls 86/05/20 VILO/SEPA
4,4'-DDD	<0.0115 (16)[40](56)	28.9 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
4,4'-DDE	1.34 (16)[40](56)	57.6 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	2.1 (28)[29](57)	1.9 (28)[29](57)
4,4'-DDT	0.444 (16)[40](56)	600 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	6 (28)[29](57)	2.9 (28)[29](57)
Aldrin	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
alpha-BHC	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
alpha-Endosulfan	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
beta-BHC	0.0106 (16)[40](56)	0.563 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
beta-Endosulfan	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
Chlordane	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	28 (28)[29](57)	<0.01 (28)[29](57)
delta-BHC	<0.00576 (16)[40](56)	0.046 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
Dieldrin	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
Endosulfan 1	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
Endosulfan 2	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
Endosulfan sulfate	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
Endrin	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
Endrin Ketone	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
gamma-BHC	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
Heptachlor	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	0.28 (28)[29](57)	<0.0051 (28)[29](57)
Heptachlor epoxide	<0.00576 (16)[40](56)	<0.00548 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
Methoxychlor	<0.0115 (16)[40](56)	<0.011 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	<0.01 (28)[29](57)	<0.01 (28)[29](57)
PCB 1016	<0.0576 (16)[40](56)	<0.0548 (16)[46](62)	<0.0572 (16)[40](56)	<0.055 (49)[22](71)	<0.05 (28)[29](57)	<0.051 (28)[29](57)
PCB 1221	<0.0576 (16)[40](56)	<0.0548 (16)[46](62)	<0.0572 (16)[40](56)	<0.055 (49)[22](71)	<0.05 (28)[29](57)	<0.051 (28)[29](57)
PCB 1232	<0.0576 (16)[40](56)	<0.0548 (16)[46](62)	<0.0572 (16)[40](56)	<0.055 (49)[22](71)	<0.05 (28)[29](57)	<0.051 (28)[29](57)
PCB 1242	<0.0576 (16)[40](56)	<0.0548 (16)[46](62)	<0.0572 (16)[40](56)	<0.055 (49)[22](71)	<0.05 (28)[29](57)	<0.051 (28)[29](57)
PCB 1248	<0.0576 (16)[40](56)	<0.0548 (16)[46](62)	<0.0572 (16)[40](56)	<0.055 (49)[22](71)	<0.05 (28)[29](57)	<0.051 (28)[29](57)
PCB 1254	<0.12 (16)[40](56)	<0.11 (16)[46](62)	<0.11 (16)[40](56)	<0.11 (49)[22](71)	<0.1 (28)[29](57)	<0.1 (28)[29](57)
PCB 1260	<0.12 (16)[40](56)	<0.11 (16)[46](62)	<0.11 (16)[40](56)	<0.11 (49)[22](71)	<0.1 (28)[29](57)	<0.1 (28)[29](57)
Total BHC	0.0106 (16)[40](56)	0.609 (16)[46](62)	<0.00572 (16)[40](56)	<0.0055 (49)[22](71)	<0.005 (28)[29](57)	<0.0051 (28)[29](57)
Total DDT	1.784 (16)[40](56)	686.5 (16)[46](62)	<0.0114 (16)[40](56)	<0.011 (49)[22](71)	8.1 (28)[29](57)	3 (28)[29](57)
Toxaphene	<0.12 (16)[40](56)	<0.11 (16)[46](62)	<0.11 (16)[40](56)	<0.11 (49)[22](71)	<0.1 (28)[29](57)	<0.1 (28)[29](57)

NOTE: See last page of this table for footnotes.

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TABLE D.14
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SOIL

NOTES: Soil samples analyzed for organochlorine pesticides using EPA Method 8080.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. (5).

( ) = Number of days between the sample date and extraction date .
[ ] = Number of days between the extraction date and the analysis date.
( ) = Number of days between the sample date and the analysis date.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

CAL = California Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
OEPA = Original EPA Sample
SEPA = Split samples analyzed by EPA

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	MW002 52 ft bls 85/04/27 BAC/ORG	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG
1,1,1-Trichloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,1,2,2-Tetrachloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,1,2-Trichloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,1-Dichloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,1-Dichloroethylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,2-Dichloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
1,2-Dichloroethylene												
1,2-Dichloropropane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
2-Chloroethylvinyl ether	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Acrolein	<3 (15)[0](15)	<3 (15)[0](15)	<3 (15)[0](15)	<3 (15)[0](15)	<6 (15)[0](15)	<300 (16)[0](16)	<60 (16)[0](16)	<60 (16)[0](16)	<300 (16)[0](16)	<30 (16)[0](16)	<30 (16)[0](16)	<30 (16)[0](16)
Acrylonitrile	<3 (15)[0](15)	<3 (15)[0](15)	<3 (15)[0](15)	<3 (15)[0](15)	<6 (15)[0](15)	<300 (16)[0](16)	<60 (16)[0](16)	<60 (16)[0](16)	<300 (16)[0](16)	<30 (16)[0](16)	<30 (16)[0](16)	<30 (16)[0](16)
Benzene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](16)	<0.6 (15)[0](16)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Bromodichloromethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](16)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Bromoform	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](16)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Bromomethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](16)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Carbon Tetrachloride	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Chlorobenzene	14 (15)[0](15)	1 (15)[0](15)	96 (15)[0](15)	420 (15)[0](15)	38 (15)[0](15)	4100 (16)[0](16)	590 (16)[0](16)	200 (16)[0](16)	7400 (16)[0](16)	9 (16)[0](16)	6 (16)[0](16)	24 (16)[0](16)
Chloroethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Chloroform	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Chloromethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
cis-1,3-Dichloropropylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Dibromochloromethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Ethylbenzene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Methylene Chloride	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Tetrachloroethylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Toluene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
trans-1,2-Dichloroethylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
trans-1,3-Dichloropropylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Trichloroethylene	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Trichlorofluoromethane	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)
Vinyl Chloride	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.3 (15)[0](15)	<0.6 (15)[0](15)	<30 (16)[0](16)	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)	<3 (16)[0](16)

NOTE: See last page of this table for footnotes.

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW003 72 ft bls 85/04/27 BAC/ORG	MW003 77 ft bls 85/04/27 BAC/ORG	S101 32 ft bls 85/05/01 BAC/ORG	S101 37 ft bls 85/05/01 BAC/ORG	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
1,1,1-Trichloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,1,2,2-Tetrachloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,1,2-Trichloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,1-Dichloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,1-Dichloroethylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,2-Dichloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
1,2-Dichloroethylene			30 (15)	<30 (15)	<30 (15)	<6 (15)	<6 (15)
1,2-Dichloropropane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
2-Chloroethylvinyl ether	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Acrolein	<6 (16)[0](16)	<6 (16)[0](16)	<300 (15)[0](15)	<300 (15)[0](15)	<60 (15)[0](15)	<60 (15)[0](15)	<60 (15)[0](15)
Acrylonitrile	<6 (16)[0](16)	<6 (16)[0](16)	<300 (15)[0](15)	<300 (15)[0](15)	<60 (15)[0](15)	<60 (15)[0](15)	<60 (15)[0](15)
Benzene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Bromodichloromethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Bromoform	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Bromomethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Carbon Tetrachloride	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Chlorobenzene	2 (16)[0](16)	1 (16)[0](16)	3400 (15)[0](15)	3500 (15)[0](15)	3800 (15)[0](15)	1800 (15)[0](15)	2900 (15)[0](15)
Chloroethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Chloroform	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Chloromethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
cis-1,3-Dichloropropylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Dibromochloromethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Ethylbenzene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Methylene Chloride	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Tetrachloroethylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Toluene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
trans-1,2-Dichloroethylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
trans-1,3-Dichloropropylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](16)	<30 (15)[0](16)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Trichloroethylene	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Trichlorofluoromethane	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)
Vinyl Chloride	<0.6 (16)[0](16)	<0.6 (16)[0](16)	<30 (15)[0](15)	<30 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)	<6 (15)[0](15)

NOTE: See last page of this table for footnotes.

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	11D 5 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/DEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA
1,1,1-Trichloroethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,1,2,2-Tetrachloroethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,1,2-Trichloroethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,1-Dichloroethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,1-Dichloroethylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,2-Dichloroethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
1,2-Dichloropropane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
2-Chloroethylvinyl ether	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
2-Hexanone	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
4-Methyl-2-Pentanone	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
Acetone	0.043 (15)[0](15)	0.045 (15)[0](15)	0.049 (16)[0](16)	0.043 (15)[0](15)	0.024 (17)[0](17)	0.048 (16)[0](16)	0.04 (15)[0](15)	0.03 (17)[0](17)	0.048 (17)[0](17)	0.046 (15)[0](15)	0.036 (15)[0](15)
Benzene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Bromodichloromethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Bromoform	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Bromomethane	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
Carbon Disulfide	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Carbon Tetrachloride	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Chlorobenzene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	0.1 (16)[0](16)	0.082 (15)[0](15)	0.041 (17)[0](17)	0.078 (16)[0](16)	0.04 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Chloroethane	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
Chloroform	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	0.005 (15)[0](15)	<0.005 (17)[0](17)	0.005 (16)[0](16)	0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Chloromethane	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
cis-1,3-Dichloropropylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Dibromochloromethane	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Ethylbenzene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Methyl Ethyl Ketone	0.02 (15)[0](15)	0.024 (15)[0](15)	0.02 (16)[0](16)	0.021 (15)[0](15)	0.012 (17)[0](17)	0.02 (16)[0](16)	0.022 (15)[0](15)	0.019 (17)[0](17)	0.024 (17)[0](17)	0.02 (15)[0](15)	0.02 (15)[0](15)
Methylene Chloride	0.01 (15)[0](15)	0.0055 (15)[0](15)	0.016 (16)[0](16)	0.0066 (15)[0](15)	0.018 (17)[0](17)	0.026 (16)[0](16)	0.073 (15)[0](15)	0.0077 (17)[0](17)	0.0088 (17)[0](17)	0.024 (15)[0](15)	0.005 (15)[0](15)
Styrene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Tetrachloroethylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Toluene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](16)
Total Xylenes	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
trans-1,2-Dichloroethylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
trans-1,3-Dichloropropylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Trichloroethylene	<0.005 (15)[0](15)	<0.005 (15)[0](15)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (16)[0](16)	<0.005 (15)[0](15)	<0.005 (17)[0](17)	<0.005 (17)[0](17)	<0.005 (15)[0](15)	<0.005 (15)[0](15)
Vinyl Acetate	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)
Vinyl Chloride	<0.01 (15)[0](15)	<0.01 (15)[0](15)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (16)[0](16)	<0.01 (15)[0](15)	<0.01 (17)[0](17)	<0.01 (17)[0](17)	<0.01 (15)[0](15)	<0.01 (15)[0](15)

NOTE: See last page of this table for footnotes.

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	23D 3.6 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
1,1,2,2-Tetrachloroethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
1,1,2-Trichloroethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
1,1-Dichloroethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
1,1-Dichloroethylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
1,2-Dichloroethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](16)
1,2-Dichloropropane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
2-Chloroethylvinyl ether	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
2-Hexanone	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
4-Methyl-2-Pentanone	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
Acetone	0.063 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	4.6 (15)[0](15)	0.037 (15)[0](15)
Benzene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Bromodichloromethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Bromoform	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Bromomethane	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
Carbon Disulfide	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Carbon Tetrachloride	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Chlorobenzene	0.1 (15)[0](15)	12000 (16)[0](16)	4600 (16)[0](16)	20 (15)[0](15)	0.16 (15)[0](15)
Chloroethane	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
Chloroform	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	0.051 (15)[0](15)
Chloromethane	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
cis-1,3-Dichloropropylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Dibromochloromethane	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Ethylbenzene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Methyl Ethyl Ketone	0.034 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	5.1 (15)[0](15)	0.02 (15)[0](15)
Methylene Chloride	0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	0.017 (15)[0](15)
Styrene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Tetrachloroethylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Toluene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Total Xylenes	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](16)
trans-1,2-Dichloroethylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
trans-1,3-Dichloropropylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Trichloroethylene	<0.005 (15)[0](15)	<500 (16)[0](16)	<100 (16)[0](16)	<1 (15)[0](15)	<0.005 (15)[0](15)
Vinyl Acetate	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)
Vinyl Chloride	<0.01 (15)[0](15)	<1000 (16)[0](16)	<200 (16)[0](16)	<2 (15)[0](15)	<0.01 (15)[0](15)

NOTE: See last page of this table for footnotes.

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	5-8-S-8 ft bls 86/05/08 BAC/ORG	JC002 5 ft bls 86/05/01 BAC/ORG	JC002 5.5 ft bls 86/05/01 BAC/ORG	LA005 4.5 ft bls 86/05/02 BAC/ORG	LA005 5 ft bls 86/05/02 BAC/ORG	LA009 2.75 ft bls 86/05/05 BAC/ORG	LA009 4.25 ft bls 86/05/05 BAC/ORG	LA009 5.25 ft bls 86/05/05 BAC/ORG	MD002 1 ft bls 86/04/30 VILO/OEPA	MD002 5 ft bls 86/04/30 BAC/ORG	MD002 5.5 ft bls 86/04/30 BAC/ORG
1,1,1-Trichloroethane									<0.006 (7)[0](7)		
1,1,2,2-Tetrachloroethane									<0.006 (7)[0](7)		
1,1,2-Trichloroethane									<0.006 (7)[0](7)		
1,1-Dichloroethane									<0.006 (7)[0](7)		
1,1-Dichloroethylene									<0.006 (7)[0](7)		
1,2-Dichlorobenzene	<0.3 (7)[17](24)	<0.3 (7)[26](33)	<0.3 (7)[26](33)	<0.3 (7)[27](34)	<0.3 (7)[27](34)	<0.3 (5)[28](33)	<0.3 (5)[28](33)	<0.3 (5)[28](33)		<0.3 (6)[26](32)	<0.3 (6)[26](32)
1,2-Dichloroethane									<0.006 (7)[0](7)		
1,2-Dichloropropane									<0.006 (7)[0](7)		
1,3-Dichlorobenzene	<0.3 (7)[17](24)	<0.3 (7)[26](33)	<0.3 (7)[26](33)	<0.3 (7)[27](34)	<0.3 (7)[27](34)	<0.3 (5)[28](33)	<0.3 (5)[28](33)	<0.3 (5)[28](33)		<0.3 (6)[26](32)	<0.3 (6)[26](32)
1,4-Dichlorobenzene	<0.3 (7)[17](24)	<0.3 (7)[26](33)	<0.3 (7)[26](33)	<0.3 (7)[27](34)	<0.3 (7)[27](34)	<0.3 (5)[28](33)	<0.3 (5)[28](33)	<0.3 (5)[28](33)		<0.3 (6)[26](32)	<0.3 (6)[26](32)
2-Chloroethylvinyl ether									<0.012 (7)[0](7)		
2-Hexanone									<0.012 (7)[0](7)		
4-Methyl-2-Pentanone									<0.012 (7)[0](7)		
Acetone	<3 (7)[17](24)	<3 (7)[26](33)	<3 (7)[26](33)	<3 (7)[27](34)	<3 (7)[27](34)	<3 (5)[28](33)	<3 (5)[28](33)	<3 (5)[28](33)	<0.012 (7)[0](7)	<3 (6)[26](32)	<3 (6)[26](32)
Acrolein											
Acrylonitrile											
Benzene									<0.006 (7)[0](7)		
Bromodichloromethane									<0.006 (7)[0](7)		
Bromoform									<0.006 (7)[0](7)		
Bromomethane									<0.012 (7)[0](7)		
Carbon Disulfide									<0.006 (7)[0](7)		
Carbon Tetrachloride									<0.006 (7)[0](7)		
Chlorobenzene									<0.006 (7)[0](7)		
Chloroethane									<0.012 (7)[0](7)		
Chloroform									<0.006 (7)[0](7)		
Chloromethane									<0.012 (7)[0](7)		
cis-1,3-Dichloropropylene									<0.006 (7)[0](7)		
Dibromochloromethane									<0.006 (7)[0](7)		
Ethylbenzene									<0.006 (7)[0](7)		
Hexamethylcyclotrisiloxane											
Methyl Ethyl Ketone									<0.012 (7)[0](7)		
Methylene Chloride									<0.006 (7)[0](7)		
Benzenoethanoamine									0.012 (12)[11](23)		
Styrene									<0.006 (7)[0](7)		
Tetrachloroethylene									<0.006 (7)[0](7)		
Toluene									0.005 (7)[0](7)		
Total Xylenes									<0.006 (7)[0](7)		
trans-1,2-Dichloroethylene									<0.006 (7)[0](7)		
trans-1,3-Dichloropropylene									<0.006 (7)[0](7)		
Trichloroethylene									<0.006 (7)[0](7)		
Trichlorofluoromethane											
Trimethyl Silanol											
Unknown (as appropriate w/method)											
Vinyl Acetate									<0.012 (7)[0](7)		
Vinyl Chloride									<0.012 (7)[0](7)		

NOTE: See last page of this table for footnotes.
SCO973170037.XLS - PT 2 PH 1 RND 1 VOCS

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 5.75 ft bls 86/04/29 BAC/ORG	NS001 0.25 ft bls 86/05/20 VILO/OEP	NS013 0.25 ft bls 86/05/20 VILO/OEP	SP001A 6 ft bls 86/05/07 BAC/ORG	SP001A 7.5 ft bls 86/05/07 BAC/ORG	T033 3.25 ft bls 86/05/08 BAC/ORG	T033 4.25 ft bls 86/05/08 BAC/ORG	T033 5.75 ft bls 86/05/08 BAC/ORG	T045 2 ft bls 86/05/09 BAC/ORG
1,1,1-Trichloroethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,1,2,2-Tetrachloroethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,1,2-Trichloroethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,1-Dichloroethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,1-Dichloroethylene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,2-Dichlorobenzene		<0.3 (11)[0](11)			<0.3 (7)[29](36)	<0.3 (7)[29](36)	<0.3 (7)[22](29)	(7)[20](27)	(7)[17](24)	<0.3 (14)[5](19)
1,2-Dichloroethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,2-Dichloropropane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
1,3-Dichlorobenzene		<0.3 (11)[0](11)			<0.3 (7)[29](36)	<0.3 (7)[29](36)	<0.3 (7)[22](29)	(7)[20](27)	(7)[17](24)	<0.3 (14)[5](19)
1,4-Dichlorobenzene		<0.3 (11)[0](11)			<0.3 (7)[29](36)	<0.3 (7)[29](36)	<0.3 (7)[22](29)	(7)[20](27)	(7)[17](24)	<0.3 (14)[5](19)
2-Chloroethylvinyl ether	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						<0.3 (14)[5](19)
2-Hexanone	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						
4-Methyl-2-Pentanone	<0.012 (9)[0](9)		0.17 (10)[0](10)	1.8 (9)[0](9)						
Acetone	0.032 (9)[0](9)	<3 (11)[0](11)	(10)[0](10)	0.059 (9)[0](9)	<0.3 (7)[29](36)	<0.3 (7)[29](36)	<3 (7)[22](29)	<3 (7)[20](27)	<3 (7)[17](24)	<3 (14)[5](19)
Acrolein										<3 (14)[5](19)
Acrylonitrile										<3 (14)[5](19)
Benzene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Bromodichloromethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Bromoform	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Bromomethane	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						<0.3 (14)[5](19)
Carbon Disulfide	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						
Carbon Tetrachloride	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Chlorobenzene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						0.8 (14)[5](19)
Chloroethane	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						<0.3 (14)[5](19)
Chloroform	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Chloromethane	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						<0.3 (14)[5](19)
cis-1,3-Dichloropropylene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Dibromochloromethane	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Ethylbenzene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Hexamethylcyclotrisiloxane	0.007 (13)[16](29)									
Methyl Ethyl Ketone	<0.012 (9)[0](9)		(10)[0](10)	1.33 (9)[0](9)						
Methylene Chloride	0.007 (9)[0](9)		(10)[0](10)	0.041 (9)[0](9)						<0.3 (14)[5](19)
Benzeneethanamine										
Styrene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						
Tetrachloroethylene	0.007 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Toluene	0.005 (9)[0](9)		(10)[0](10)	0.055 (9)[0](9)						<0.3 (14)[5](19)
Total Xylenes	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						
trans-1,2-Dichloroethylene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
trans-1,3-Dichloropropylene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Trichloroethylene	<0.006 (9)[0](9)		(10)[0](10)	<0.005 (9)[0](9)						<0.3 (14)[5](19)
Trichlorofluoromethane										<0.3 (14)[5](19)
Trimethyl Silanol	0.006 (13)[16](29)									
Unknown (as appropriate w/method)			0.02 (11)[11](22)							
Vinyl Acetate	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						
Vinyl Chloride	<0.012 (9)[0](9)		(10)[0](10)	<0.01 (9)[0](9)						<0.3 (14)[5](19)

NOTE: See last page of this table for footnotes.
SCO973170037.XLS - PT 2 PH 1 RND 1 VOCS

TABLE D.15
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SOIL

NOTES: Soil samples analyzed for volatile organic compounds using EPA Method 8240 or 8260.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. (5).

( ) = Number of days between the sample date and extraction date.
[ ] = Number of days between the extraction date and the analysis date.
( ) = Number of days between the sample date and the analysis date.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; Numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell
CAL = California Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
OEPA = Original EPA Sample
ORG = Original Sample

TABLE D.16
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (UG/L)	MW-01 85/07/01 BAC/ORG	MW-09 90/04/20 BAC/ORG	MW-10 89/02/03 BAC/ORG
2,4'-DDD		<0.04 (17)[2](19)	<0.05 (35)[1](36)
2,4'-DDE		<0.04 (17)[2](19)	<0.05 (35)[1](36)
2,4'-DDT		<0.04 (17)[2](19)	<0.05 (35)[1](36)
4,4'-DDD	<0.5 (14)[0](14)	<0.04 (17)[2](19)	<0.05 (35)[1](36)
4,4'-DDE	<0.5 (14)[0](14)	<0.04 (17)[2](19)	<0.05 (35)[1](36)
4,4'-DDT	17 (14)[0](14)	0.05 (17)[2](19)	<0.05 (35)[1](36)
Aldrin	4.3 (14)[0](14)		
alpha-BHC	220 (14)[0](14)	<8 (17)[2](19)	0.21 (35)[1](36)
alpha-Endosulfan	<0.5 (14)[0](14)		
beta-BHC	29 (14)[0](14)	<8 (17)[2](19)	<0.05 (35)[1](36)
beta-Endosulfan	<0.5 (14)[0](14)		
Chloral	<0.5 (14)[0](14)		
Chlordane	<3 (14)[0](14)		
delta-BHC	6.6 (14)[0](14)	<8 (17)[2](19)	<0.05 (35)[1](36)
Dieldrin	<0.5 (14)[0](14)		
Endosulfan 1	<0.5 (14)[0](14)		
Endosulfan 2	<0.5 (14)[0](14)		
Endosulfan sulfate	<1 (14)[0](14)		
Endrin	<1 (14)[0](14)		
Endrin aldehyde	<1 (14)[0](14)		
Endrin Ketone			
gamma-BHC	33 (14)[0](14)	<8 (17)[2](19)	<0.05 (35)[1](36)
Heptachlor	<1 (14)[0](14)		
Heptachlor epoxide	<1 (14)[0](14)		
Methoxychlor			
PCB 1016	<10 (14)[0](14)		
PCB 1221	<10 (14)[0](14)		
PCB 1232	<10 (14)[0](14)		
PCB 1242	<10 (14)[0](14)		
PCB 1248	<10 (14)[0](14)		
PCB 1254	<10 (14)[0](14)		
PCB 1260	<10 (14)[0](14)		
PCB 1262	<10 (14)[0](14)		
Total BHC		<8 (17)[2](19)	0.21 (35)[1](36)
Total DDT		0.05 (17)[2](19)	<0.05 (35)[1](36)
Toxaphene	<10 (14)[0](14)		

NOTES: Groundwater samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. (5).

( ) = Number of days between the sample date and extraction date.
[ ] = Number of days between the extraction date and the analysis date.
( ) = Number of days between the sample date and the analysis date.

UG/L = Micrograms per liter
< = Less than; Numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell

ORG = Original Sample

TABLE D.17
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (UG/L)	BF-04 89/10/26 BAC/ORG	G-03 88/07/25 ATI/SPT	G-11 89/11/16 BAC/ORG	LW-02 89/11/16 BAC/ORG	MW-01 88/01/19 BAC/ORG	MW-03 86/08/13 BAC/ORG	MW-03 89/10/26 BAC/ORG	MW-04 85/05/02 BAC/FD	MW-04 86/08/13 BAC/ORG	MW-09 89/05/12 ATI/SPT
1,1,1-Trichloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,1,2,2-Tetrachloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,1,2-Trichloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,1-Dichloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,1-Dichloroethylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,2-Dichlorobenzene	<500 (16)[0](16)		<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)		<100 (15)[0](15)	
1,2-Dichloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,2-Dichloropropane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
1,3-Dichlorobenzene	<500 (16)[0](16)		<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)		<100 (15)[0](15)	
1,4-Dichlorobenzene	<500 (16)[0](16)		<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)		<100 (15)[0](15)	
2-Chloroethylvinyl ether	<500 (16)[0](16)	<50 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<10000 (15)[0](15)
2-Hexanone		<50 (15)[0](15)								<10000 (15)[0](15)
4-Methyl-2-Pentanone		<50 (15)[0](15)								<10000 (15)[0](15)
Acetone	<5000 (16)[0](16)	<50 (15)[0](15)	<10 (18)[0](18)	<10 (18)[0](18)	<2000 (15)	<100 (15)[0](15)	<500 (16)[0](16)		<1000 (15)[0](15)	<10000 (15)[0](15)
Acrolein	<10000 (16)[0](16)		<20 (18)[0](18)	<20 (18)[0](18)	<2000 (15)	<100 (15)[0](15)	<1000 (16)[0](16)	<50 (15)[0](15)	<1000 (15)[0](15)	
Acrylonitrile	<10000 (16)[0](16)		<20 (18)[0](18)	<20 (18)[0](18)	<2000 (15)	<100 (15)[0](15)	<1000 (16)[0](16)	<50 (15)[0](15)	<1000 (15)[0](15)	
Benzene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	10000 (15)	70 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	660 (15)[0](15)	<1000 (15)[0](15)
Bis(chloromethyl)ether					<200 (15)	<10 (15)[0](15)			<100 (15)[0](15)	
Bromodichloromethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Bromoform	<500 (16)[0](16)	<25 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<5000 (15)[0](15)
Bromomethane	<500 (16)[0](16)	<50 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<10000 (15)[0](15)
Butane						200 (15)[0](15)				
Carbon Disulfide		<5 (15)[0](15)								<1000 (15)[0](15)
Carbon Tetrachloride	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	220 (15)	11 (15)[0](15)	<50 (16)[0](16)	10 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Chlorobenzene	29000 (16)[0](16)	810 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	25000 (15)	<10 (15)[0](15)	<50 (16)[0](16)	360 (15)[0](15)	1600 (15)[0](16)	200000 (15)[0](16)
Chloroethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](16)	<1000 (15)[0](15)
Chloroform	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	7500 (15)	560 (15)[0](15)	410 (16)[0](16)	3300 (15)[0](15)	7300 (15)[0](15)	90000 (15)[0](15)
Chloromethane	<1000 (16)[0](16)	<50 (15)[0](15)	<2 (18)[0](18)	<2 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<100 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](16)	<10000 (15)[0](15)
cis & trans 1,3-Dichloropropene					<200 (15)	<10 (15)[0](15)			<100 (15)[0](15)	
cis-1,3-Dichloropropylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](16)	<1000 (15)[0](16)
Cyclopentene						20 (15)[0](15)				
Dibromochloromethane	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](16)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Dichlorodifluoromethane					<200 (15)	<10 (15)[0](15)			<100 (15)[0](15)	
Dimethyl Butane						60 (15)[0](15)				
Dimethylcyclopropane						100 (15)[0](15)				
Ethylbenzene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Methyl Ethyl Ketone		<50 (15)[0](15)								<10000 (15)[0](15)
Methylcyclohexane						20 (15)[0](15)				
Methylcyclopentene						100 (15)[0](15)				
Methylene Chloride	<500 (16)[0](16)	<25 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	420 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<5000 (15)[0](15)
Pentane						100 (15)[0](15)				
Styrene		<5 (15)[0](15)								<1000 (15)[0](15)
Tetrachloroethylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	4100 (15)	38 (15)[0](15)	<50 (16)[0](16)	850 (15)[0](15)	1700 (15)[0](15)	<1000 (15)[0](15)
Toluene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)

TABLE D.17
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Total Xylenes		<5 (15)[0](15)				40 (15)[0](15)				<1000 (15)[0](15)
trans-1,2-Dichloroethylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
trans-1,3-Dichloropropylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Trichloroethylene	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	55 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)
Trichlorofluoromethane	<500 (16)[0](16)		<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	
Vinyl Acetate		<50 (15)[0](15)								<10000 (15)[0](15)
Vinyl Chloride	<500 (16)[0](16)	<5 (15)[0](15)	<1 (18)[0](18)	<1 (18)[0](18)	<200 (15)	<10 (15)[0](15)	<50 (16)[0](16)	<5 (15)[0](15)	<100 (15)[0](15)	<1000 (15)[0](15)

NOTES:

Groundwater samples analyzed for volatile organic compounds using EPA Methods 8010, 8240, 8240, or 8260.
Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. {5}

()=Number of days between the sample date and extraction date.
[]=Number of days between the extraction date and the analysis date.
{}=Number of days between the sample date and the analysis date.
ug/L=Micrograms per liter
<=Less than;Numerical value is the limit of detection for the analysis.

ATI = Analytical Tech, Inc.
BAC= Brown & Caldwell

FD = Field Duplicate
ORG = Original Simple
SPT = Split Sample

TABLE D.18
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	BGS BGS-2.0-2.5 88/09/03 CAL/OEPA	SED11 SED11 86/05/28 VILO/SEPA	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA
4,4'-DDD	<0.01 (28)[29]{57}	0.06 (33)[4]{37}	<0.016 (20)[29]{49}	0.65 (18)[29]{47}	0.84 (33)[15]{48}
4,4'-DDE	<0.01 (28)[29]{57}	0.024 (33)[4]{37}	<0.016 (20)[29]{49}	0.37 (18)[29]{47}	0.26 (33)[15]{48}
4,4'-DDT	0.4 (28)[29]{57}	0.047 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	0.58 (33)[15]{48}
Aldrin	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
alpha-BHC	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Alpha-Chlordane		<1.4 (33)[4]{37}			
alpha-Endosulfan	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
beta-BHC	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
beta-Endosulfan	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
Chlordane	1.6 (28)[29]{57}		<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
delta-BHC	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Dieldrin	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
Endosulfan 1	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Endosulfan 2	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
Endosulfan sulfate	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
Endrin	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
Endrin Ketone	<0.01 (28)[29]{57}	<0.28 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
gamma-BHC	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Gamma-Chlordane		<1.4 (33)[4]{37}			
Heptachlor	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Heptachlor epoxide	<0.005 (28)[29]{57}	<0.14 (33)[4]{37}	<0.0082 (20)[29]{49}	<0.008 (18)[29]{47}	<0.0077 (33)[15]{48}
Methoxychlor	<0.01 (28)[29]{57}	<1.4 (33)[4]{37}	<0.016 (20)[29]{49}	<0.016 (18)[29]{47}	<0.015 (33)[15]{48}
PCB 1016	<0.051 (28)[29]{57}	<1.4 (33)[4]{37}	<0.082 (20)[29]{49}	<0.08 (18)[29]{47}	<0.077 (33)[15]{48}
PCB 1221	<0.051 (28)[29]{57}	<1.4 (33)[4]{37}	<0.082 (20)[29]{49}	<0.08 (18)[29]{47}	<0.077 (33)[15]{48}
PCB 1232	<0.051 (28)[29]{57}	<1.4 (33)[4]{37}	<0.082 (20)[29]{49}	<0.08 (18)[29]{47}	<0.077 (33)[15]{48}
PCB 1242	<0.051 (28)[29]{57}	<1.4 (33)[4]{37}	<0.082 (20)[29]{49}	<0.08 (18)[29]{47}	<0.077 (33)[15]{48}
PCB 1248	<0.051 (28)[29]{57}	<1.4 (33)[4]{37}	<0.082 (20)[29]{49}	<0.08 (18)[29]{47}	<0.077 (33)[15]{48}
PCB 1254	<0.1 (28)[29]{57}	<2.8 (33)[4]{37}	<0.16 (20)[29]{49}	<0.16 (18)[29]{47}	<0.15 (33)[15]{48}
PCB 1260	<0.1 (28)[29]{57}	<2.8 (33)[4]{37}	<0.16 (20)[29]{49}	<0.16 (18)[29]{47}	<0.15 (33)[15]{48}
Toxaphene	<0.1 (28)[29]{57}	<2.8 (33)[4]{37}	<0.16 (20)[29]{49}	<0.16 (18)[29]{47}	<0.15 (33)[15]{48}

NOTES:

Sediment samples analyzed for organochlorine pesticide compounds using EPA Method 8080.

Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. {5}.

( ) =Number of days between the sample date and extraction date.

[ ] =Number of days between the extraction date and the analysis date.

{ } =Number of days between the sample date and the analysis date.

MG/KG =Milligrams per Kilogram

< =Less than; Numerical value is the limit of detection for this analysis.

VILO =Versar Inc.

CAL = California Analytical

DSEP =Duplicate Split EPA Sample

OEPA =Original EPA Sample

SEPA =Split samples analyzed by EPA

TABLE D.19
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (Milligrams per kilogram)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	SED10 SED10 86/05/30 BAC/ORG	SED10 SED30 86/05/30 BAC/FD	SED11 SED11 86/05/28 VILO/OEPA	SED11 SED11-31-62-85-COMPOSITE 86/05/28 BAC/ORG	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA	SED13 SED13-35-85-135 COMPOSIT 86/05/30 VILO/SEPA	SED14 SED14-25-60-COMPOSITE 86/06/11 BAC/ORG	SED14 SED37-25-60-COMPOSITE 86/06/11 BAC/FD
1,1,1-Trichloroethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,1,2,2-Tetrachloroethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,1,2-Trichloroethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,1-Dichloroethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,1-Dichloroethylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,2-Dichlorobenzene		<0.3 (7)[17](24)	<0.3 (7)[17](24)		<0.3 (8)[18](26)				<0.3 (9)[8](17)	<0.3 (9)[8](17)
1,2-Dichloroethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,2-Dichloropropane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
1,3-Dichlorobenzene		<0.3 (7)[17](24)	<0.3 (7)[17](24)		<0.3 (8)[18](26)				<0.3 (9)[8](17)	<0.3 (9)[8](17)
1,4-Dichlorobenzene		<0.3 (7)[17](24)	<0.3 (7)[17](24)		<0.3 (8)[18](26)				<0.3 (9)[8](17)	<0.3 (9)[8](17)
2-Chloroethylvinyl ether	<0.01 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.016 (13)[0](13)	<0.3 (13)[0](13)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
2-Hexanone	<0.01 (9)[0](9)			<0.016 (13)[0](13)		<0.162 (12)[0](12)	<0.015 (12)[0](12)			
4-Methyl-2-Pentanone	<0.01 (9)[0](9)			<0.016 (13)[0](13)		<0.162 (12)[0](12)	<0.015 (12)[0](12)			
Acetone	<0.01 (9)[0](9)	<3 (7)[17](24)	<3 (7)[17](24)	<0.016 (13)[0](13)	5 (8)[18](26)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<3 (9)[8](17)	<3 (9)[8](17)
Acrolein		<3 (11)[0](11)	<3 (11)[0](11)		<3 (13)[0](13)				<3 (13)[0](13)	<3 (13)[0](13)
Acrylonitrile		<3 (11)[0](11)	<3 (11)[0](11)		<3 (13)[0](13)				<3 (13)[0](13)	<3 (13)[0](13)
Benzene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Bromodichloromethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Bromoform	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Bromomethane	<0.01 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.016 (13)[0](13)	<0.3 (13)[0](13)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Carbon Disulfide	<0.005 (9)[0](9)			<0.008 (13)[0](13)		<0.081 (12)[0](12)	<0.008 (12)[0](12)			
Carbon Tetrachloride	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Chlorobenzene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Chloroethane	<0.01 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.016 (13)[0](13)	<0.3 (13)[0](13)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Chloroform	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Chloromethane	<0.01 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.016 (13)[0](13)	<0.3 (13)[0](13)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
cis-1,3-Dichloropropylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Dibromochloromethane	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Ethylbenzene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	0.93 (12)[0](12)	0.12 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Methyl Acetate										
Methyl Ethyl Ketone	<0.01 (9)[0](9)			<0.016 (13)[0](13)		<0.162 (12)[0](12)	<0.015 (12)[0](12)			
Methylene Chloride	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	0.009 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Styrene	<0.005 (9)[0](9)			<0.008 (13)[0](13)		<0.081 (12)[0](12)	<0.008 (12)[0](12)			
Tetrachloroethylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Toluene	0.019 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Total Xylenes	<0.005 (9)[0](9)			<0.008 (13)[0](13)		353)	0.028 (12)[0](12)			
trans-1,2-Dichloroethylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
trans-1,3-Dichloropropylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Trichloroethylene	<0.005 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.008 (13)[0](13)	<0.3 (13)[0](13)	<0.081 (12)[0](12)	<0.008 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)
Trichlorofluoromethane		<0.3 (11)[0](11)	<0.3 (11)[0](11)		<0.3 (13)[0](13)				<0.3 (13)[0](13)	<0.3 (13)[0](13)
w/method)				0.032 (23)[6](29)		0.81 (21)[6](27)		0.078 (21)[6](27)		
Unknown Hydrocarbon						0.64 (21)[6](27)		0.496 (21)[6](27)		
Vinyl Acetate	<0.01 (9)[0](9)			<0.016 (13)[0](13)		<0.162 (12)[0](12)	<0.015 (12)[0](12)			
Vinyl Chloride	<0.01 (9)[0](9)	<0.3 (11)[0](11)	<0.3 (11)[0](11)	<0.016 (13)[0](13)	<0.3 (13)[0](13)	<0.162 (12)[0](12)	<0.015 (12)[0](12)		<0.3 (13)[0](13)	<0.3 (13)[0](13)

NOTE: See last page of this table for footnotes.

TABLE D.19
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (Milligrams per kilogram)	SED15 SED15-30-50-95-COMPOSITE 86/06/11 BAC/ORG	SED16 SED16-0-20-COMPOSITE 86/06/05 BAC/ORG	SED17 SED17-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED18-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED33-0-20-COMPOSITE 86/06/05 BAC/FD	SED19 SED19-0-20-COMPOSITE 86/06/04 BAC/ORG	SED19 SED30-0-20-COMPOSITE 86/06/04 BAC/FD	SED20 SED20-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED21-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED35-0-20-COMPOSITE 86/06/06 BAC/FD
1,1,1-Trichloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,1,2,2-Tetrachloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,1,2-Trichloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,1-Dichloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,1-Dichloroethylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,2-Dichlorobenzene	<0.3 (9)[6](17)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[13](19)	<0.3 (6)[13](19)	<0.3 (10)[12](22)	<0.3 (10)[12](22)	<0.3 (10)[12](22)
1,2-Dichloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,2-Dichloropropane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
1,3-Dichlorobenzene	<0.3 (9)[6](17)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[13](19)	<0.3 (6)[13](19)	<0.3 (10)[12](22)	<0.3 (10)[12](22)	<0.3 (10)[12](22)
1,4-Dichlorobenzene	<0.3 (9)[6](17)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[12](18)	<0.3 (6)[13](19)	<0.3 (6)[13](19)	<0.3 (10)[12](22)	<0.3 (10)[12](22)	<0.3 (10)[12](22)
2-Chloroethylvinyl ether	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
2-Hexanone										
4-Methyl-2-Pentanone										
Acetone	<3 (9)[6](17)	<3 (6)[12](18)	<3 (6)[12](18)	<3 (6)[12](18)	<3 (6)[12](18)	<3 (6)[13](19)	<3 (6)[13](19)	<3 (10)[12](22)	<3 (10)[12](22)	<3 (10)[12](22)
Acrolein	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (14)[0](14)		<3 (12)[0](12)	<3 (12)[0](12)	<3 (12)[0](12)
Acrylonitrile	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (13)[0](13)	<3 (14)[0](14)		<3 (12)[0](12)	<3 (12)[0](12)	<3 (12)[0](12)
Benzene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Bromodichloromethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Bromoform	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Bromomethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Carbon Disulfide										
Carbon Tetrachloride	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Chlorobenzene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Chloroethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Chloroform	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Chloromethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
cis-1,3-Dichloropropylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Dibromochloromethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Ethylbenzene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Methyl Acetate		7 (13)[0](13)	3 (13)[0](13)	3 (13)[0](13)	4 (13)[0](13)					
Methyl Ethyl Ketone										
Methylene Chloride	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Styrene										
Tetrachloroethylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Toluene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Total Xylenes										
trans-1,2-Dichloroethylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
trans-1,3-Dichloropropylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Trichloroethylene	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
Trichlorofluoromethane	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)
w/method)										
Unknown Hydrocarbon										
Vinyl Acetate										
Vinyl Chloride	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (13)[0](13)	<0.3 (14)[0](14)		<0.3 (12)[0](12)	<0.3 (12)[0](12)	<0.3 (12)[0](12)

NOTE: See last page of this table for footnotes.

TABLE D.19
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (Milligrams per kilogram)	SED22 SED22-0-20-COMPOSITE 86/06/08 BAC/ORG	SED23 SED23-0-20-COMPOSITE 86/06/07 BAC/ORG	SED24 SED24-0-20-COMPOSITE 86/06/06 BAC/ORG	SED25 SED25-0-20-COMPOSITE 86/06/07 BAC/ORG	SED25 SED36-0-20-COMPOSITE 86/06/07 BAC/FD
1,1,1-Trichloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,1,2,2-Tetrachloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,1,2-Trichloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,1-Dichloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,1-Dichloroethylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,2-Dichlorobenzene	<0.3 (10)[10](20)	<0.3 (13)[8](21)	<0.3 (10)[12](22)	<0.3 (13)[8](21)	<0.3 (13)[8](21)
1,2-Dichloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,2-Dichloropropane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
1,3-Dichlorobenzene	<0.3 (10)[10](20)	<0.3 (13)[8](21)	<0.3 (10)[12](22)	<0.3 (13)[8](21)	<0.3 (13)[8](21)
1,4-Dichlorobenzene	<0.3 (10)[10](20)	<0.3 (13)[8](21)	<0.3 (10)[12](22)	<0.3 (13)[8](21)	<0.3 (13)[8](21)
2-Chloroethylvinyl ether	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
2-Hexanone					
4-Methyl-2-Pentanone					
Acetone	<3 (10)[10](20)	<3 (13)[8](21)	<3 (10)[12](22)	<3 (13)[8](21)	<3 (13)[8](21)
Acrolein	<3 (12)[0](12)	<3 (14)[0](14)	<3 (12)[0](12)	<3 (14)[0](14)	<3 (14)[0](14)
Acrylonitrile	<3 (12)[0](12)	<3 (14)[0](14)	<3 (12)[0](12)	<3 (14)[0](14)	<3 (14)[0](14)
Benzene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Bromodichloromethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	1 (14)[0](14)
Bromoform	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Bromomethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Carbon Disulfide					
Carbon Tetrachloride	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Chlorobenzene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Chloroethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Chloroform	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Chloromethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
cis-1,3-Dichloropropylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Dibromochloromethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Ethylbenzene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Methyl Acetate					
Methyl Ethyl Ketone					
Methylene Chloride	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Styrene					
Tetrachloroethylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Toluene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Total Xylenes					
trans-1,2-Dichloroethylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
trans-1,3-Dichloropropylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Trichloroethylene	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
Trichlorofluoromethane	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)
w/method)					
Unknown Hydrocarbon					
Vinyl Acetate					
Vinyl Chloride	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (12)[0](12)	<0.3 (14)[0](14)	<0.3 (14)[0](14)

NOTE: See last page of this table for footnotes.

TABLE D.19
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

NOTES: Sediment samples analyzed for volatile organic compounds using EPA Method 8240.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. (5).

( ) = Number of days between the sample date and extraction date.
[ ] = Number of days between the extraction date and the analysis date.
{ } = Number of days between the sample date and the analysis date.

MG/KG = Milligrams per Kilogram
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.
BAC = Brown & Caldwell

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

TABLE D.20
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SURFACE WATER

COMPOUND (UG/L)	SED20 SW20-FILTERED 86/06/06 BAC/ORG	SED21 SW21-FILTERED 86/06/06 BAC/ORG	SED23 SW23 86/06/07 BAC/ORG	SED24 SW24-FILTERED 86/06/06 BAC/ORG	SED24 SW24-FILTERED 86/06/06 BAC/RA	SED24 SW24-UNFILTERED 86/06/06 BAC/RA	SED25 SW25 86/06/07 BAC/ORG	SED25 SW37 86/06/07 BAC/FD	SW05 R3-SW05-FILTERED 87/01/06 BAC/ORG	SW05 SW05-FILTERED 86/06/12 BAC/ORG	SW05 SW05-FILTERED 86/06/12 BAC/RA
2,4'-DDD	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	<0.01(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
2,4'-DDE	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	<0.01(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
2,4'-DDT	<0.1(10)[10](20)	<0.1(10)[10](20)	<0.1(13)[8](21)	<0.1(10)[10](20)	<0.5(69)[0](69)	<0.5(69)[0](69)	<0.1(13)[8](21)	<0.1(13)[8](21)	<0.02(13)[0](13)	<0.1(8)[8](16)	<0.5(63)[0](63)
4,4'-DDD	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	<0.01(13)[0](13)	0.23(8)[8](16)	<0.25(63)[0](63)
4,4'-DDE	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	<0.01(13)[0](13)	0.39(8)[8](16)	<0.25(63)[0](63)
4,4'-DDT	<0.1(10)[10](20)	<0.1(10)[10](20)	<0.1(13)[8](21)	<0.1(10)[10](20)	<0.5(69)[0](69)	<0.5(69)[0](69)	<0.1(13)[8](21)	<0.1(13)[8](21)	<0.02(13)[0](13)	0.9(8)[8](16)	<0.5(63)[0](63)
Aldrin											
alpha-BHC	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	0.07(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
alpha-Endosulfan											
beta-BHC	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	0.02(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
beta-Endosulfan											
Chlordane											
delta-BHC	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	0.1(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
Dieldrin											
Endosulfan 1											
Endosulfan 2											
Endosulfan sulfate											
Endrin											
Endrin Ketone											
gamma-BHC	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<0.25(69)[0](69)	<0.25(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	0.24(13)[0](13)	<0.05(8)[8](16)	<0.25(63)[0](63)
Heptachlor											
Heptachlor epoxide											
Methoxychlor											
PCB 1016											
PCB 1221											
PCB 1232											
PCB 1242											
PCB 1248											
PCB 1254											
PCB 1260											
Total BHC	<0.05(10)[10](20)	<0.05(10)[10](20)	<0.05(13)[8](21)	<0.05(10)[10](20)	<1(69)[0](69)	<1(69)[0](69)	<0.05(13)[8](21)	<0.05(13)[8](21)	0.43(13)[0](13)	<0.05(8)[8](16)	<1(63)[0](63)
Total DDT	<0.1(10)[10](20)	<0.1(10)[10](20)	<0.1(13)[8](21)	<0.1(10)[10](20)	<2(69)[0](69)	<2(69)[0](69)	<0.1(13)[8](21)	<0.1(13)[8](21)	<0.02(13)[0](13)	1.5(8)[8](16)	<2(63)[0](63)
Toxaphene											

NOTE: See last page of this table for footnotes.

TABLE D.20
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SURFACE WATER

COMPOUND (UG/L)	SW05 SW05-UNFILTERED 86/06/12 BAC/ORG	SW05 SW05-UNFILTERED 86/06/12 BAC/RA	SW05 SW39 86/06/12 BAC/FD	SW06 R5-SW06-COMP-FILTERED 87/03/06 BAC/ORG	SW06 SW06 86/06/12 BAC/ORG	SW07 R5-SW07-COMP-FILTERED 87/03/06 BAC/ORG	SW07 SW07-FILTERED 86/06/12 BAC/ORG	SW07 SW07-FILTERED 86/06/12 BAC/RA	SW07 SW07-UNFILTERED 86/06/12 BAC/ORG	SW07 SW07-UNFILTERED 86/06/12 BAC/RA
2,4'-DDD	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
2,4'-DDE	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
2,4'-DDT	<0.1(8)[8](16)	<0.5(63)[0](63)	<0.1(8)[8](16)	<0.02(14)[0](14)	<0.1(8)[8](16)	<0.02(18)[0](18)	<0.1(8)[8](16)	<0.5(63)[0](63)	<0.1(8)[8](16)	<0.5(63)[0](63)
4,4'-DDD	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	0.17(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
4,4'-DDE	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	0.14(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
4,4'-DDT	<0.1(8)[8](16)	<0.5(63)[0](63)	<0.1(8)[8](16)	<0.02(14)[0](14)	<0.1(8)[8](16)	<0.02(18)[0](18)	1.2(8)[8](16)	<0.5(63)[0](63)	<0.1(8)[8](16)	<0.5(63)[0](63)
Aldrin										
alpha-BHC	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.005(14)[0](14)	<0.05(8)[8](16)	<0.005(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
alpha-Endosulfan										
beta-BHC	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
beta-Endosulfan										
Chlordane										
delta-BHC	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
Dieldrin										
Endosulfan 1										
Endosulfan 2										
Endosulfan sulfate										
Endrin										
Endrin Ketone										
gamma-BHC	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	0.11(14)[0](14)	<0.05(8)[8](16)	0.07(18)[0](18)	<0.05(8)[8](16)	<0.25(63)[0](63)	<0.05(8)[8](16)	<0.25(63)[0](63)
Heptachlor										
Heptachlor epoxide										
Methoxychlor										
PCB 1016										
PCB 1221										
PCB 1232										
PCB 1242										
PCB 1248										
PCB 1254										
PCB 1260										
Total BHC	<0.05(8)[8](16)	<1(63)[0](63)	<0.05(8)[8](16)	0.11(14)[0](14)	<0.05(8)[8](16)	0.07(18)[0](18)	<0.05(8)[8](16)	<1(63)[0](63)	<0.05(8)[8](16)	<1(63)[0](63)
Total DDT	<0.1(8)[8](16)	<2(63)[0](63)	<0.1(8)[8](16)	<0.02(14)[0](14)	<0.1(8)[8](16)	<0.02(18)[0](18)	1.5(8)[8](16)	<2(63)[0](63)	<0.1(8)[8](16)	<2(63)[0](63)
Toxaphene										

NOTE: See last page of this table for footnotes.

TABLE D.20
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SURFACE WATER

COMPOUND (UG/L)	SW08 R5-SW08-COMP-FILTERED 87/03/06 BAC/ORG	SW08 SW08-FILTERED 86/06/12 BAC/ORG	SW08 SW08-FILTERED 86/06/12 BAC/RA	SW08 SW08-UNFILTERED 86/06/12 BAC/ORG	SW08 SW08-UNFILTERED 86/06/12 BAC/RA	SW09 R5-SW09-COMP-FILTERED 87/03/06 BAC/ORG	SW09 SW09 86/06/12 BAC/ORG	SW10 R5-SW10-COMP-FILTERED 87/03/06 BAC/ORG	SW20 SW20-COMPOSITE 86/06/06 VILO/SEPA	SW24 SW24 86/06/06 VILO/DEPA
2,4'-DDD	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)		
2,4'-DDE	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)		
2,4'-DDT	<0.02(14)[0](14)	<0.1(8)[8](16)	<0.6(63)[0](63)	<0.1(8)[8](16)	<0.6(63)[0](63)	<0.02(18)[0](18)	<0.1(8)[8](16)	<0.02(14)[0](14)		
4,4'-DDD	<0.01(14)[0](14)	0.08(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.2(10)[30](40)	<0.2(10)[29](39)
4,4'-DDE	<0.01(14)[0](14)	0.16(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.2(10)[30](40)	<0.2(10)[29](39)
4,4'-DDT	<0.02(14)[0](14)	0.4(8)[8](16)	<0.6(63)[0](63)	<0.1(8)[8](16)	<0.6(63)[0](63)	<0.02(18)[0](18)	<0.1(8)[8](16)	<0.02(14)[0](14)	<0.2(10)[30](40)	<0.2(10)[29](39)
Aldrin									<0.1(10)[30](40)	<0.1(10)[29](39)
alpha-BHC	<0.005(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.005(18)[0](18)	<0.05(8)[8](16)	<0.005(14)[0](14)	<0.1(10)[30](40)	<0.1(10)[29](39)
alpha-Endosulfan									<0.1(10)[30](40)	<0.1(10)[29](39)
beta-BHC	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.1(10)[30](40)	<0.1(10)[29](39)
beta-Endosulfan									<0.2(10)[30](40)	<0.2(10)[29](39)
Chlordane									<0.2(10)[30](40)	<0.2(10)[29](39)
delta-BHC	<0.01(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.01(18)[0](18)	<0.05(8)[8](16)	<0.01(14)[0](14)	<0.1(10)[30](40)	<0.1(10)[29](39)
Dieldrin									<0.2(10)[30](40)	<0.2(10)[29](39)
Endosulfan 1									<0.1(10)[30](40)	<0.1(10)[29](39)
Endosulfan 2									<0.2(10)[30](40)	<0.2(10)[29](39)
Endosulfan sulfate									<0.2(10)[30](40)	<0.2(10)[29](39)
Endrin									<0.2(10)[30](40)	<0.2(10)[29](39)
Endrin Ketone									<0.2(10)[30](40)	<0.2(10)[29](39)
gamma-BHC	0.07(14)[0](14)	<0.05(8)[8](16)	<0.3(63)[0](63)	<0.05(8)[8](16)	<0.3(63)[0](63)	0.06(18)[0](18)	<0.05(8)[8](16)	0.08(14)[0](14)	<0.1(10)[30](40)	<0.1(10)[29](39)
Heptachlor									<0.1(10)[30](40)	<0.1(10)[29](39)
Heptachlor epoxide									<0.1(10)[30](40)	<0.1(10)[29](39)
Methoxychlor									<0.2(10)[30](40)	<0.2(10)[29](39)
PCB 1016									<1(10)[30](40)	<1(10)[29](39)
PCB 1221									<1(10)[30](40)	<1(10)[29](39)
PCB 1232									<1(10)[30](40)	<1(10)[29](39)
PCB 1242									<1(10)[30](40)	<1(10)[29](39)
PCB 1248									<1(10)[30](40)	<1(10)[29](39)
PCB 1254									<2(10)[30](40)	<2(10)[29](39)
PCB 1260									<2(10)[30](40)	<2(10)[29](39)
Total BHC	0.07(14)[0](14)	<0.05(8)[8](16)	<1(63)[0](63)	<0.05(8)[8](16)	<1(63)[0](63)	0.06(18)[0](18)	<0.05(8)[8](16)	0.08(14)[0](14)		
Total DDT	<0.02(14)[0](14)	0.64(8)[8](16)	<2(63)[0](63)	<0.1(8)[8](16)	<2(63)[0](63)	<0.02(18)[0](18)	<0.1(8)[8](16)	<0.02(14)[0](14)		
Toxaphene									<2(10)[30](40)	<2(10)[29](39)

NOTE: See last page of this table for footnotes.

TABLE D.20
QUALIFIED DATA, HOLDING TIMES, ORGANOCHLORINE PESTICIDES IN SURFACE WATER

NOTES: Surface water samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Surface Water Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.
Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. (5).

( ) = Number of days between the sample date and extraction date.
[ ] = Number of days between the extraction date and the analysis date.
( ) = Number of days between the sample date and the analysis date.

UG/L = Micrograms per Liter
< = Less than; Numerical value is the limit of detection for this analysis.

VILO = Versar Inc.
BAC = Brown & Caldwell

DEPA = Duplicate EPA Sample
FD = Field Duplicate
RA = Reanalysis
ORG = Original Sample
SEPA = Split samples analyzed by EPA

TABLE D.21
QUALIFIED DATA, HOLDING TIMES, VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER

COMPOUND (Micrograms per liter)	SED25 SW25-S-D-COMPOSITE 86/06/07 BAC/ORG
1,1,1-Trichloroethane	<1(25)[0](25)
1,1,2,2-Tetrachloroethane	<1(25)[0](25)
1,1,2-Trichloroethane	<1(25)[0](25)
1,1-Dichloroethane	<1(25)[0](25)
1,1-Dichloroethylene	<1(25)[0](25)
1,2-Dichlorobenzene	<1(25)[0](25)
1,2-Dichloroethane	<1(25)[0](25)
1,2-Dichloropropane	<1(25)[0](25)
1,3-Dichlorobenzene	<1(25)[0](25)
1,4-Dichlorobenzene	<1(25)[0](25)
2-Chloroethylvinyl ether	<1(25)[0](25)
Acetone	<10(25)[0](25)
Acrolein	<10(25)[0](25)
Acrylonitrile	<10(25)[0](25)
Benzene	<1(25)[0](25)
Bromodichloromethane	<1(25)[0](25)
Bromoform	<1(25)[0](25)
Bromomethane	<1(25)[0](25)
Carbon Tetrachloride	<1(25)[0](25)
Chlorobenzene	<1(25)[0](25)
Chloroethane	<1(25)[0](25)
Chloroform	<1(25)[0](25)
Chloromethane	<1(25)[0](25)
cis-1,3-Dichloropropylene	<1(25)[0](25)
Dibromochloromethane	<1(25)[0](25)
Ethylbenzene	<1(25)[0](25)
Methylene Chloride	<1(25)[0](25)
Tetrachloroethylene	<1(25)[0](25)
Toluene	<1(25)[0](25)
trans-1,2-Dichloroethylene	<1(25)[0](25)
trans-1,3-Dichloropropylene	<1(25)[0](25)
Trichloroethylene	<1(25)[0](25)
Trichlorofluoromethane	<1(25)[0](25)
Vinyl Chloride	<1(25)[0](25)

NOTES: Surface water samples analyzed for volatile organic compounds using EPA Method 8240.
Sample heading provides the following information: Surface Water Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

Table presents analytical result, number of days between the sample date and extraction date in parentheses e.g. (5), the number of days between the extraction date and analysis date in square brackets e.g. [5], and the number of days between the sample date and analysis date in rounded brackets e.g. {5}.

( ) = Number of days between the sample date and extraction date.
[ ] = Number of days between the extraction date and the analysis date.
{ } = Number of days between the sample date and the analysis date.

UG/L = Micrograms per Liter
< = Less than; Numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell

ORG = Original Sample

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/SEPA	MW-01 88/10/13 ATI/SPT	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT
1,1,1-Trichloroethane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200(J)	<1300	<200
1,1,2,2-Tetrachloroethane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200	<1300	<200
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10	<500	<2500	<100	<2500	<200	<1000	<1000	<200	<1300	<200
1,1-Dichloroethane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200	<1300	<200
1,1-Dichloroethylene	<10	<500	<2500	<100	<2500	<200	<200	<200	<200	<1300	<200
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene							<200	<200	<200	<2500	
1,2-Dichloroethane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200(J)	<1300	<200
1,2-Dichloroethylene										<1300	
1,2-Dichloropropane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200	<1300	<200
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene							<200	<200	<200		
1,4-Dichlorobenzene							<200	<200	<200	<2500	
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<10	<1000	<5000	<100	<5000(R)	<2000	<3000	<3000	<200		<2000
2-Hexanone		<1000	<5000		<5000	<2000				<2500	<2000
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone		<1000	<5000		<5000	<2000				<2500	<2000
A C10 Hydrocarbon											
A C5 Hydrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone		1900	<5000		5100	<2000	<4000	<4000	<2000	<2500	<2000(J)
Acrolein	<100			<1000			<5000	<5000	<4000(J)		
Acrylonitrile	<100			<1000			<2000	<2000	<4000		
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C8											
Benzene	3200	3300	4400	2100	5000	8400	9400	9800	7700	11000	9000
Bis(chloromethyl)ether	<10										
Bromochloromethane											
Bromodichloromethane	<10	<500	<2500	<100	<2500(R)	<200	<200	<200	<200(J)	<1300	<200
Bromoform	<10	<500	<2500	<100	<2500	<1000	<200	<200	<200(J)	<1300	<1000
Bromomethane	<10	<1000	<5000	<100	<5000	<2000	<200	<200	<200	<2500	<2000
Butane											
C5 H10 Hydrocarbon's											
C8 Cyclic Hydrocarbon											
Carbon Disulfide		<500	<2500		<2500	<200				<1300	<200
Carbon Tetrachloride	<10	<500	<2500	<100	<2500	<200	<200	<200	<200(J)	<1300	<200
Chlorobenzene	15000	14000	44000	12000	20000	18000	26000	29000	26000	36000	25000
Chloroethane	<10	<1000	<5000	<100	<5000	<200	<200	<200	<200	<2500	<200
Chloroform	1600	1900	2500	1500	2800	6900	7800	8600	7100(J)	10000	8000
Chloromethane	<10	<1000	<5000	<100	<5000	<2000	<1000	<1000	<400	<2500	<2000
cis & trans 1,3-Dichloropropene	<10			<100							
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<10	<500	<2500	<100	<2500	<200	<1000	<1000	<200	<1300	<200
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<10	<500	<2500	<100	<2500	<200	<200	<200	<200(J)	<1300	<200
Dichlorodifluoromethane	<10			<100							
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	490	<500	<2500	<100	<2500	<200	<200	<200	<200	<1300	<200
Hycrocarbon											
Isobutane											
Isopropyl Benzene											
Methyl Ethyl Ketone		<1000	<5000		<5000(R)	<2000				<2500(J)	<2000
Methylcyclohexane											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/SEPA	MW-01 88/10/13 ATI/SPT	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT
Methylcyclopentane				500							
Methylene Chloride	120	<500	1600(J)	<100	2500	<1000	<2000	<2000	<200(J)	810(J)	<1000
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene		<500	<2500		<2500	<200				<1300	<200
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	950	1200	2400(J)	1000	2500(J)	2100	4000	4400	3200(J)	5500	3600
Toluene	<10	110(J)	<2500	<100	<2500	<200	<400	<400	<200	<1300	<200
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	140	<500	<2500		<2500	<200				<1300	<200
trans-1,2-Dichloroethylene	<10	<500	<2500	<100	<2500	<200	<200	<200	<200(J)		<200
trans-1,3-Dichloropropylene	<10	<500	<2500	<100	<2500	<200	<1000	<1000	<200(J)	<1300	<200
Trichloroethylene	<10	<500	<2500	<100	<2500	200	<200	<200	<200	<1300	<200
Trichlorofluoromethane	<10			<100			<200	<200	<200(J)		
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate		<1000	<5000		<5000(R)	<2000				<2500(J)	<2000
Vinyl Chloride	<10	<1000	<5000	<100	<5000	<200	<200	<200	<200(J)	<2500	<200

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/FD	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-03 85/08/13 BAC/FD	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/SEPA
1,1,1-Trichloroethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,1,2,2-Tetrachloroethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,1-Dichloroethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,1-Dichloroethylene	<200	<200	200	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<200	<200									
1,2-Dichloroethane	<200	<200	150	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,2-Dichloroethylene											
1,2-Dichloropropane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<200	<200									
1,4-Dichlorobenzene	<200	<200									
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<200	<200	<50	<20000	<13	<1000	<500	<10000(R)	<100	<1	<50(R)
2-Hexanone				<20000	<13			<10000			<50
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone				<20000	<13			<10000			<50
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<2000	<2000		<20000	<13			14000			150(J)
Acrolein	<4000	<4000	<500			<10000	<5000		<1000	<10	
Acrylonitrile	<4000	<4000	<500			<10000	<5000		<1000	<10	
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	9400	8800	150	<10000	<6.3	<1000	<500	<5000	2000	<1	80
Bis(chloromethyl)ether			<50				<500			<1	
Bromochloromethane											
Bromodichloromethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000(R)	<100	3	<25(R)
Bromoform	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Bromomethane	<200	<200	<50	<20000	<13	<1000	<500	<10000	<100	<1	<50
Butane											
C5 H10 Hydrocarbon's											
C8 Cyclic Hydrocarbon											
Carbon Disulfide				<10000	<6.3			<5000			<25
Carbon Tetrachloride	240	220	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	25(J)
Chlorobenzene	28000	28000	180000	240000	230	310000	200000	310000	<100	7	<25
Chloroethane	<200	<200	<50	<20000	<13	<1000	<500	<10000	<100	<1	<50
Chloroform	8600	8200	5600	8200(J)	6.8	4000	4500	5900	500	440	750
Chloromethane	<400	<400	<50	<20000	<13	<1000	<500	<10000	<100	<1	<50
cis & trans 1,3-Dichloropropene			<50				<500			<1	
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Dichlorodifluoromethane			<50				<500			<1	
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Hycrocarbon											
Isobutane											
Isopropyl Benzene											
Methyl Ethyl Ketone				<20000	<13			10000(R)			50(R)
Methylcyclohexane											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/FD	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-03 85/08/13 BAC/FD	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/SEPA
Methylcyclopentane*											
Methylene Chloride	<200	<200	400	<10000	3.5(J)	<1000	<500	5000	<100	<1	25
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene				<10000	<6.3			<5000			<25
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	3800	3600	<50	<10000	<6.3	<1000	<500	<5000	<100	50	27
Toluene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Total Ethyl Methyl Benzene Isomers											
Total Xylenes			200	<10000	<6.3			<5000			25(J)
trans-1,2-Dichloroethylene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
trans-1,3-Dichloropropylene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	<1	<25
Trichloroethylene	<200	<200	<50	<10000	<6.3	<1000	<500	<5000	<100	1	45
Trichlorofluoromethane	<200	<200	<50			<1000	<500		<100	<1	
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate				<20000	<13			<10000(R)			<50(R)
Vinyl Chloride	<200	<200	<50	<20000	<13	<1000	<500	<10000	<100	<1	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 86/08/13 BAC/ORG	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/FD	MW-04 85/08/13 BAC/ORG
1,1,1-Trichloroethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,1,2,2-Tetrachloroethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10[EH]	<10	<50	<25	<5	<1	<1	<5	<5	<1	<25
1,1-Dichloroethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,1-Dichloroethylene	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10[EH]		<10	<5	<5						
1,2-Dichloroethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,2-Dichloroethylene											
1,2-Dichloropropane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10[EH]		<10	<5	<5						
1,4-Dichlorobenzene	<10[EH]		<10	<5	<5						
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<10[EH]	<100	<150	<75	<10			<5	<10	<1	<25
2-Hexanone		<100				<10	<10		<10		
2-Methyl Butane C5											
2-Methylbutane			1000	1000	550						
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone		<100				<10	<10		<10		
A C10 Hydrocarbon											
A C5 Hyrdrocarbon		300									
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<100[EH]	1400[UT]	<200	<100	<100	<20	<20		<10		
Acrolein	<100[EH]		<250	<130				<50		<10	<250
Acrylonitrile	<100[EH]		<100	<50				<50		<10	<250
Aliphatic Hydrocarbon C5						500	500				
Aliphatic Hydrocarbon C6						100	100				
Alkene C6		90									
Benzene	70[EH]	35	32	32	28	30	29	<5	<5	<1	<25
Bis(chloromethyl)ether	<10[EH]							<5			<25
Bromochloromethane											
Bromodichloromethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
Bromoform	<10[EH]	<50	<10	<5	<5	<5	<5	<5	<5	<1	<25
Bromomethane	<10[EH]	<100	<10	<5	<10	<10	<10	<5	<10	<1	<25
Butane	200[EH]		200	200							
C5 H10 Hydrocarbon's			300	200							
C6 Cyclic Hydrocarbon											
Carbon Disulfide		<10				<1	<1		<5		
Carbon Tetrachloride	11[EH]	<10	<10	<5	<5	<1	<1	25	<5	<1	<25
Chlorobenzene	<10[EH]	<10	<10	<5	<5	<1	<1	160	<5	3[UT]	300
Chloroethane	<10[EH]	<10	<10	<5	<10	<1	<1	<5	<10	<1	<25
Chloroform	560[EH]	620	630	600	18	20	20	4700	<5	180	680
Chloromethane	<10[EH]	<100	<50	<25	<10	<10	<10	<5	<10	<1	<25
cis & trans 1,3-Dichloropropene	<10[EH]							<5			<25
cis-1,2-Dichloroethene					<5	<1	<1				
cis-1,2-Dimethylcyclopropane					38						
cis-1,3-Dichloropropylene	<10[EH]	<10	<50	<25	<5	<1	<1	<5	<5	<1	<25
Cyclic Hydrocarbon						90	90				
Cyclohexane											
Cyclopentane			300	300							
Cyclopentene	20[EH]										
Dibromochloromethane	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
Dichlorodifluoromethane	<10[EH]							<5			<25
Dimethyl Butane	60[EH]										
Dimethylcyclopropane	100[EH]										
Ethylbenzene	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
Hycrocarbon											
Isobutane											
Isopropyl Benzene											
Methyl Ethyl Ketone	-	<100				<20	<20		<10		
Methylcyclohexane	20[EH]										

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 86/08/13 BAC/ORG	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/FD	MW-04 85/08/13 BAC/ORG
Methylcyclopentane *	100[EH]	100	300	300							
Methylene Chloride	<10[EH]	<50	<100	<50	25	<5	<5	<5	<5	1	<25
n-Propylbenzene											
Naphthalene											
Pentane	100[EH]	200	200	300	180						
Propylbenzene											
S-Butyl Benzene											
Styrene		<10				<1	<1		<5		
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	38[EH]	27	<10	31	24	23	23	1300	<5	22	<25
Toluene	<10[EH]	<10	<20	<10	<5	<2	<2	<5	<5	<1	<25
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	40[EH]	<10			<5	<1	<1		<5		
trans-1,2-Dichloroethylene	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<5	<1	<25
trans-1,3-Dichloropropylene	<10[EH]	<10	<50	<25	<5	<1	<1	<5	<5	<1	<25
Trichloroethylene	55[EH]	32	29	30	34	29	27	5	<5	<1	<25
Trichlorofluoromethane	<10[EH]		<10	<5	<10			<5		<1	<25
Trimethylbenzene											
Unknown (as appropriate w/method)					12						
Vinyl Acetate		<100				<10	<10		<10		
Vinyl Chloride	<10[EH]	<10	<10	<5	<5	<1	<1	<5	<10	<1	<25

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/08/13 CAL/SEPA	MW-04 88/01/19 ATI/SPT	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/07/26 ATI/SPT	MW-04 88/07/26 BAC/FD	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 89/02/07 BAC/ORG
1,1,1-Trichloroethane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
1,1,2,2-Tetrachloroethane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<25	<5	<10	<10	<10	<5	<50	<100	<2500	<2500	<1000
1,1-Dichloroethane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
1,1-Dichloroethylene	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene			<10	<10	<10		<10				<1000
1,2-Dichloroethane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
1,2-Dichloroethylene											
1,2-Dichloropropane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000(J)
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene			<10	<10	<10		<10				<1000
1,4-Dichlorobenzene			<10	<10	<10		<10				<1000
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<50(R)	<50	<10	<10	<10	<50	<150	<100	<5000(R)	<5000(R)	<1000
2-Hexanone	<50	<50				<50			<5000	<5000	
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone	<50	<50				<50			<5000	<5000	
A C10 Hydrocarbon											
A C5 Hydrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	64(J)	<50	200	<100	<100	<50	<100		6800	5800	<10000
Acrolein			<100	<100	<100		<250	<1000			<20000(J)
Acrylonitrile			<100	<100	<100		<100	<1000			<20000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<25	<5	<10	<10	<10	<5	<20	1400	2500(J)	2500(J)	1200
Bis(chloromethyl)ether			<10	<10	<10			<100			
Bromochloromethane											
Bromodichloromethane	<25(R)	<5	<10	<10	<10	<5	<10	<100	<2500(R)	<2500(R)	<1000
Bromoform	<25	<25	<10	<10	<10	<25	<10	<100	<2500	<2500	<1000
Bromomethane	<50	<50	<10	<10	<10	<50	<10	<100	<5000	<5000	<1000
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide	25(J)	<5				<5			<2500	<2500	
Carbon Tetrachloride	25(J)	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000(J)
Chlorobenzene	100	75	77	74	77	330	250	74000	110000	110000	66000
Chloroethane	<50	<5	<10	<10	<10	<5	<10	<100	<5000	<5000	<1000
Chloroform	4400	5	<10	<10	<10	60	54	18000	21000	22000	31000
Chloromethane	<50	<50	<10	<10	<10	<50	<50	<100	<5000	<5000	<2000(J)
cis & trans 1,3-Dichloropropene			<10	<10	<10			<100			
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<25	<5	<10	<10	<10	<5	<50	<100	<2500	<2500	<1000
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
Dichlorodifluoromethane			<10	<10	<10			<100			
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
Hycrocarbon											
Isobutane											
Isopropyl Benzene											
Methyl Ethyl Ketone	50(R)	<50				<50			5000(R)	<5000(R)	
Methylcyclohexane											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/08/13 CAL/SEPA	MW-04 88/01/19 ATI/SPT	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/07/28 ATI/SPT	MW-04 88/07/28 BAC/FD	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 89/02/07 BAC/ORG
Methylcyclopentane*											
Methylene Chloride	25	<25	<10	<10	<10	<25	<100	<100	2500	2500	<1000(J)
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene	<25	<5				<5			<2500	<2500	
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	1000	790	860	870	860	840	590	600	2500(J)	2500(J)	<1000
Toluene	<25	<5	<10	<10	<10	<5	<20	<100	<2500	<2500	<1000
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	<25	<5				<5			<2500	<2500	
trans-1,2-Dichloroethylene	<25	<5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000(J)
trans-1,3-Dichloropropylene	<25	<5	<10	<10	<10	<5	<50	<100	<2500	<2500	<1000
Trichloroethylene	25(J)	5	<10	<10	<10	<5	<10	<100	<2500	<2500	<1000
Trichlorofluoromethane			<10	<10	<10		<10	<100			<1000(J)
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate	<50(R)	<50				<50			<5000(R)	<5000(R)	
Vinyl Chloride	<50	<5	<10	<10	<10	<5	<10	<100	<5000	<5000	<1000(J)

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-05 95/11/28 ATI/SPT	MW-05 95/11/28 BAC/ORG	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 91/04/25 ATI/SPT
1,1,1-Trichloroethane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100(J)	<50(J)	<50
1,1,2,2-Tetrachloroethane	<2500	<5000	<120	<250	<250	<20	<1	<50	<100	<50	<50
1,1,2-Trichloro-1,2,2-Trifluoroethane						<50	<2				
1,1,2-Trichloroethane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100	<50	<50
1,1-Dichloroethane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100	<50	<50
1,1-Dichloroethylene	<2500	<5000	<120	<250	<250	<10	<1	<50	<100	<50	<50
1,2,4-Trimethyl Benzene							<1				
1,2-Dichlorobenzene	<5000	<10000		<250	<250	<50	<1		<100	<50	
1,2-Dichloroethane	<2500	<5000	<120	<250	<250	<10	<0.5	<50	<100(J)	<50(J)	<50
1,2-Dichloroethylene	<2500	<5000									
1,2-Dichloropropane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100	<50	<50
1,3,5-Trimethyl Benzene							<1				
1,3-Dichlorobenzene				<250	<250	<50	<1		<100	<50	
1,4-Dichlorobenzene	<5000	<10000		<250	<250	<50	<1		<100	<50	
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether				<250	<250		<5	<500	<100	<50	
2-Hexanone	<5000	<10000	<1200			<100	<5	<500(J)			<500
2-Methyl Butane C5											8
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone	<5000	<10000	<1200			<100	<5	<500			<500
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<5000	<10000	<1200	<2500	<2500	<100	<20	<500(J)	<1000	<500	<1000
Acrolein				<5000	<5000				<1000(J)	<1000(J)	
Acrylonitrile				<5000	<5000		<50		<1000	<1000	
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<2500	<5000	720	700	700	<10	<1	1100	1040	1100	440
Bis(chloromethyl)ether											
Bromochloromethane											
Bromodichloromethane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100(J)	<50(J)	<50
Bromoform	<2500	<5000	<620	<250	<250	<50	<1	<250	<100	<50	<250
Bromomethane	<5000	<10000	<1200	<250	<250	<100	<1	<500	<100	<50	<500
Butane											
C5 H10 Hydrocarbon's											
C8 Cyclic Hydrocarbon											
Carbon Disulfide	<2500	<5000	<120			<20	<2	<50			<50
Carbon Tetrachloride	<2500	<5000	<120	<250	<250	23	23	550	740(J)	660(J)	460
Chlorobenzene	63000	100000	28000	36000	34000	<10	8.4	5000	6200	5300	8400
Chloroethane	<5000	<10000	<120	<250	<250	<50	<1	<50	<100	<50	<50
Chloroform	30000	35000	22000	16000	16000	1100	760	4400	4900	4500	4700
Chloromethane	<5000	<10000	<1200	<250	<500	<100	9.5	<500	<200	<100	<500
cis & trans 1,3-Dichloropropene											
cis-1,2-Dichloroethene			<120			<10	<1				<50
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<2500	<5000	<120	<250	<250	<10	<1	<50	<100	<50	<50
Cyclic Hydrocarbon											
Cyclohexane							<5				
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<2500	<5000	<120	<250	<250	<10	<1	<50	<100(J)	<50(J)	<50
Dichlorodifluoromethane						<100	<5				
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<2500	<5000	<120	<500	<250	<10	<1	<50	<100	<50	<50
Hycrocarbon											
Isobutane											
Isopropyl Benzene							<1				
Methyl Ethyl Ketone	<5000(J)	<10000(J)	<1200			<100	<5	<500(J)			<1000
Methylcyclohexane											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 88/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-05 95/11/28 ATI/SPT	MW-05 95/11/28 BAC/ORG	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 91/04/25 ATI/SPT
Methylcyclopentane											
Methylene Chloride	1600(J)	3800(J)	<620	<250	<500	<50	<2	<250	<100	<50	<250
n-Propylbenzene							<1				
Naphthalene							<2				
Pentane											
Propylbenzene							<1				
S-Butyl Benzene							<1				
Styrene	<2500	<5000	<120			<10	<1	<50			<50
T-Butyl Benzene							<1				
TDC Benzene			<620								
Tetrachloroethylene	<2500	<5000	<120	300	300	230	190	2100	2600	2500	1900
Toluene	<2500	<5000	<120	<250	<250	<20	<1	<50	<100	<50	<100
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	<2500	<5000	<120			<10	<3	<50			<50
trans-1,2-Dichloroethylene			<120	<250	<250	<10	<1	<50	<100(J)	<50(J)	<50
trans-1,3-Dichloropropylene	<2500	<5000	<120	<250	<250	<10	<1	<50	<100(J)	<50(J)	<50
Trichloroethylene	<2500	<5000	<120	<250	<250	<10	1.1	61	<100	<50	320
Trichlorofluoromethane				<250	<250	<50	<1		<100(J)	<50(J)	
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate	<5000(J)	<10000(J)	<1200				<10	<500			<500
Vinyl Chloride	<5000	<10000	<120	<250	<250	<50	<1	<50	<100(J)	<50(J)	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/SEPA
1,1,1-Trichloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
1,1,2,2-Tetrachloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
1,1,2-Trichloro-1,2,2-Trifluoroethane									
1,1,2-Trichloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
1,1-Dichloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
1,1-Dichloroethylene	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	590(J)
1,2,4-Trimethyl Benzene									
1,2-Dichlorobenzene	<50	<50		<1	<1		<1000	<1000	<2500(J)
1,2-Dichloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
1,2-Dichloroethylene									
1,2-Dichloropropane	<50	<50	<1	<1	<1	<1000(EH)	<1000	<1000	<1300(J)
1,3,5-Trimethyl Benzene									
1,3-Dichlorobenzene	<50	<50		<1	<1		<1000	<1000	<2500(J)
1,4-Dichlorobenzene	200	200		<1	<1		<1000	<1000	<2500(J)
2 C5 Hydrocarbons									
2-Chloroethylvinyl ether	<50	<50	<10	<1	<1	<10000[EH]	<1000	<1000	
2-Hexanone			<10			<10000[EH]			<2500(J)
2-Methyl Butane C5									
2-Methylbutane									
3 C5 Cyclic Hydrocarbons									
4-Methyl-2-Pentanone			<10			<10000(EH)			<2500(J)
A C10 Hydrocarbon									
A C5 Hyrdrocarbon									
A C6 H14 Hydrocarbon									
A Second Hydrocarbon									
A Third Hydrocarbon									
Acetone	<500	<500	<10(J)	<10(J)	<10(J)	EH]	<10000(J)	<10000(J)	1700(J)
Acrolein	<1000	<1000		<20(J)	<20(J)		<20000(J)	<20000(J)	
Acrylonitrile	<1000	<1000		<20(J)	<20(J)		<20000(J)	<20000(J)	
Aliphatic Hydrocarbon C5									
Aliphatic Hydrocarbon C6									
Alkene C6									
Benzene	510	500	<1	<1	<1	<1000[EH]	<1000	<1000	590(J)
Bis(chloromethyl)ether									
Bromochloromethane									
Bromodichloromethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
Bromoform	<50	<50	<5	1	1	<5000[EH]	<1000(J)	<1000(J)	<1300(J)
Bromomethane	<50	<50	<10	<1	<1	<10000[EH]	<1000	<1000	<2500(J)
Butane									
C5 H10 Hydrocarbon's									
C6 Cyclic Hydrocarbon									
Carbon Disulfide			<1			<1000(EH)			<1300(J)
Carbon Tetrachloride	530	500	2	2	2	<1000[EH]	<1000	<1000	28(J)
Chlorobenzene	8500	7800(EA)	<1	<1	<1	200000[EH]	180000	150000	150000(J)
Chloroethane	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<2500(J)
Chloroform	5300	4900	<1	<1	<1	90000[EH]	72000	65000	120000(J)
Chloromethane	<100	<100	<10	<2(J)	<2(J)	<10000[EH]	<2000	<2000	<2500(J)
cis & trans 1,3-Dichloropropene									
cis-1,2-Dichloroethane	<50	<50							
cis-1,2-Dimethylcyclopropane									
cis-1,3-Dichloropropylene	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
Cyclic Hydrocarbon									
Cyclohexane									
Cyclopentane									
Cyclopentene									
Dibromochloromethane	<50	<50	<1	1	<1	<1000[EH]	<1000	<1000	<1300(J)
Dichlorodifluoromethane									
Dimethyl Butane									
Dimethylcyclopropane									
Ethylbenzene	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
Hycrocarbon									
Isobutane									
Isopropyl Benzene									
Methyl Ethyl Ketone			<10			<10000(EH)			<2500(J)
Methylcyclohexane									

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/SEPA
Methylcyclopentane *									
Methylene Chloride	200	200	<5(J)	2(J)[UB]	2(J)[UB]	H]	<1000(J)	<1000(J)	1300(J)
n-Propylbenzene									
Naphthalene									
Pentane									
Propylbenzene									
S-Butyl Benzene									
Styrene			<1			<1000[EH]			<1300(J)
T-Butyl Benzene									
TDC Benzene									
Tetrachloroethylene	2200	2000	<1	<1	<1	<1000[EH]	<1000	<1000	100(J)
Toluene	<50	<50	<1	3(J)[UB]	3(J)[UB]	H]	<1000	<1000	230(J)
Total Ethyl Methyl Benzene Isomers									
Total Xylenes	<250	<250	<1			<1000[EH]			<1300(J)
trans-1,2-Dichloroethylene	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
trans-1,3-Dichloropropylene	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<1300(J)
Trichloroethylene	400	400	<1	<1	<1	<1000[EH]	<1000	<1000	370(J)
Trichlorofluoromethane	<50	<50		<1	<1		<1000	<1000	
Trimethylbenzene									
Unknown (as appropriate w/method)									
Vinyl Acetate			<10			<10000[EH]			<2500(J)
Vinyl Chloride	<50	<50	<1	<1	<1	<1000[EH]	<1000	<1000	<2500(J)

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD
1,1,1-Trichloroethane	<200	<100(J)	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,1,2,2-Tetrachloroethane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,1-Dichloroethane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,1-Dichloroethylene	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene		<100	<200		<200	<200		<100	<100		<100
1,2-Dichloroethane	<200	<100(J)	<200(J)	400	<200	<200	620	390	<100	<50	<100
1,2-Dichloropropane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene		<100	<200		<200	<200		<100	<100		<100
1,4-Dichlorobenzene		<100	<200		<200	<200		<100	<100		<100
2-Chloroethylvinyl ether	<2000	<100	<200	<1000	<200	<200	<50	<100	<100		<100
2-Hexanone	<2000(J)			<1000			<500			<500	
4-Methyl-2-Pentanone	<2000			<1000			<500			<500	
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C8 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<2000(J)	<1000(J)	<2000	7800(J)[UT]	<2000	<2000	<500	<1000	<1000	<500	<1000
Acrolein		<2000(J)	<4000(J)		<4000	<4000		<2000	<2000		<2000
Acrylonitrile		<2000	<4000		<4000	<4000		<2000	<2000		<2000
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	3000	2600	2500	10000	14000	13000	12000	11000	12000	8100	8600
Bromochloromethane								<100	<100		
Bromodichloromethane	<200	<100	<200	<100	<200	<200	<50			<50	<100
Bromoform	<1000	<100	<200(J)	<500	<200	<200	<250	<100	<100	<250	<100
Bromomethane	<2000	<100	<200	<1000	<200	<200	<500	<100	<100	<500	<100
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C8 Cyclic Hydrocarbon											
Carbon Disulfide	<200			<100			<50			<50	
Carbon Tetrachloride	<200	<100(J)	<200(J)	<100	<200	<200	<50	<100	<100	<50	<100
Chlorobenzene	18000	22000	21000	4400	6000	5700	7800	7200	8200	5800	5300
Chloroethane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
Chloroform	2400	2100	2200	6100	9100	8200	7800	4800	5000	6500	5300
Chloromethane	<2000	<200	<400	<1000	<400	<400	<500	<200	<200	<500	<200
cis-1,2-Dichloroethene										<50	
cis-1,3-Dichloropropylene	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6										1000	
Cyclohexane											
Dibromochloromethane	<200	<100	<200	<100	<200	<200	<50	<100	<100	<50	<100
Dichlorodifluoromethane											
Ethyl-Methyl Benzene											
Ethylbenzene	<200	<100	<200	1200	1800	1800	6800	1300	1400	<50	1000
Ethylmethylbenzene Isomers							2500			400	
Hexane											
Hycrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone	<2000(J)			<1000			<500			<500	
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<1000	<100	470(J)	<500	<200	<200	<250	<200	<200	<250	<200
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											
Propane											
Propylbenzene											
S-Butyl Benzene											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD
Styrene	<200			<100			<50			<50	
T-Butyl Benzene											
TDC Benzene							<250			<250	
Tetrachloroethylene	860	690(J)	690(J)	<100	<200	<200	<50	<100	<100	<50	<100
Toluene	<200	2200	<200	11000	16000	16000	9600	9100	10000	3500	3600
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	<200			6500	10000	9600	2400	7400	8000	5000	
trans-1,2-Dichloroethylene	<200	<100(J)	<200(J)	<100	<200	<200	<50	<100	<100	<50	<100
trans-1,3-Dichloropropylene	<200	<100(J)	<200(J)	<100	<200	<200	<50	<100	<100	<50	<100
Trichloroethylene	<200	<100	<200	<100	<200	<200	67	<100	<100	<50	<100
Trichlorofluoromethane		<100(J)	<200(J)		<200	<200		<100	<100		2000
Trimethylbenzene					2000	2000	2600			400	
Trimethylbenzene Isomer											
Vinyl Acetate	<2000			<1000			<500			<500	
Vinyl Chloride	<200	<100(J)	<200(J)	<100	<200	<200	<50	<100	<100	<50	<100

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 ATI/SPT
1,1,1-Trichloroethane	<100	<50	<100	<100	<100	<200	<200	<25	<100(J)	<25(J)	<50
1,1,2,2-Tetrachloroethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25	<50
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25	<50
1,1-Dichloroethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25	<50
1,1-Dichloroethylene	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25	<50
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<100		<100	<100		<200	<200		<100	<25	
1,2-Dichloroethane	<100	<50	400	400	660	650	<200	600	470	460(J)	390
1,2-Dichloropropane	<100	<50	<100	<100	<100	<200	<200	<25	<100(J)	<25	<50
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<100		<100	<100		<200	<200		<100	<25	
1,4-Dichlorobenzene	<100		<100	<100		<200	<200		<100	<25	
2-Chloroethylvinyl ether	<100		<100	<100	<1000	<200	<200	<250	<100	<25	<500
2-Hexanone		<500			<1000			<250			<500
4-Methyl-2-Pentanone		<500			<1000			<250			<500
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic										400	
Acetone	<1000	<1000	<1000	<1000	<1000(J)	<2000	<2000	<250(J)	<1000	<250	<500
Acrolein	<2000		<2000	<2000		<4000	<4000		<2000(J)	<500(J)	
Acrylonitrile	<2000		<2000	<2000		<4000	<4000		<2000	<500	
Aliphatic Hydrocarbon C5		200									
Aromatic Hydrocarbon C10		400									
Benzene	8300	9000	10000	9400	26000	24000	24000	4100	4200	3500	9200
Bromochloromethane											
Bromodichloromethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25(J)	<50
Bromoform	<100	<250	<100	<100	<500	<200	<200	<125	<100(J)	<25(J)	<250
Bromomethane	<100	<500	<100	<100	<1000	<200	<200	<250	<100	<25	<500
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide		<50			<100			<25			<50
Carbon Tetrachloride	<100	<50	<100	<100	<100	<200	<200	<25	<100(J)	<25(J)	<50
Chlorobenzene	5200	5700	6000	5700	2500	2700	2400	200	190	180	<50(UT)
Chloroethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25(J)	<50
Chloroform	5100	4500	5100	5000	1400	1100	1000	<25	<100	<25(J)	<50
Chloromethane	<200	<500	<200	<200	<1000	<400	<400	<250	<200(J)	<50	<500
cis-1,2-Dichloroethene		<50	<100	<100							
cis-1,3-Dichloropropylene	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25	<50
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25(J)	<50
Dichlorodifluoromethane											
Ethyl-Methyl Benzene											300
Ethylbenzene	1000	970	1100	1100	2200	2100	2000	1100	1400	1100	1700
Ethylmethylbenzene Isomers											
Hexane											450
Hycrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone		<1000			<1000			<250			<500
Methylbutane											600
Methylcyclopentane											800
Methylene Chloride	<200	<250	<200	<200	<500	<200	<200	<125(J)	<100(J)	<25(J)	<250
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											400
Propane										300	
Propylbenzene											
S-Butyl Benzene											

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 ATI/SPT
Styrene		<50			<100			<25			<50
T-Butyl Benzene											
TDC Benzene											<250
Tetrachloroethylene	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25(J)	<50
Toluene	3500	4100	4900	4600	18000	18000	16000	<25	<100	28	82
Total Ethyl Methyl Benzene Isomers									2000	2000	
Total Xylenes		5600	5400	5500	10000	9200	9000	1600	2000	2000	1800
trans-1,2-Dichloroethylene	<100	<50	<100	<100	<100	<200	<200	<25	<100(J)	<25(J)	<50
trans-1,3-Dichloropropylene	<100	<50	<100	<100	<100	<200	<200	<25	<100	<25(J)	<50
Trichloroethylene	<100	<50	<100	<100	<100	530	490	74	<100	57	<50
Trichlorofluoromethane	<100		<100	<100		<200	<200		<100(J)	<25(J)	
Trimethylbenzene						2000					
Trimethylbenzene Isomer											
Vinyl Acetate		<500			<1000			<250			<500
Vinyl Chloride	<100	<50	<100	<100	<100	<200	<200	<25	<100(J)	<25(J)	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-16 90/04/16 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG
1,1,1-Trichloroethane	<50	<50	<5	<5	<5	<5	<10	<10
1,1,2,2-Tetrachloroethane	<50	<50	<5	<5	<5	<5	<10	<10
1,1,2-Trichloro-1,2,2-Trifluoroethane								
1,1,2-Trichloroethane	<50	<50	<5	<5	<5	<5	<10	<10
1,1-Dichloroethane	<50	<50	<5	<5	<5	<5	<10	<10
1,1-Dichloroethylene	<50	<50	<5	<5	<5	15	<10	<10
1,2,4-Trimethyl Benzene								
1,2-Dichlorobenzene	<50	<50		<5	<5		<10	<10
1,2-Dichloroethane	380	370	<5	<5	<5	<5	<10	<10
1,2-Dichloropropane	<50	<50	<5	<5	<5	<5	<10	<10
1,3,5-Trimethyl Benzene								
1,3-Dichlorobenzene	<50	<50		<5	<5		<10	<10
1,4-Dichlorobenzene	<50	<50		<5	<5		<10	<10
2-Chloroethylvinyl ether	<50	<50	<5	<5	<5	<5	<10	<10
2-Hexanone			<50			<50		
4-Methyl-2-Pentanone			<50			<50		
A C5 Hyrdrocarbon								
A C6 H12 Hydrocarbon								
A C8 Hydrocarbon								
A C9 H10 Hydrocarbon								
AC9H10 Aromatic								
Acetone	<500	<500	<50	<50	<50	<50	<100	<100
Acrolein	<1000	<1000		<100	<100		<200	<200
Acrylonitrile	<1000	<1000		<100	<100		<200	<200
Aliphatic Hydrocarbon C5								
Aromatic Hydrocarbon C10								
Benzene	6500[EP]	9500[EP]	<5	<5	<5	<5	<10	<10
Bromochloromethane				<5	<5		<10	<10
Bromodichloromethane	<50	<50	<5			<5		
Bromoform	<50	<50	<25	<5	<5	<25	<10	<10
Bromomethane	<50	<50	<50	<5	<5	<50	<10	<10
C4 Hydrocarbon								
C5 Cyclic Hydrocarbon								
C5 Oxygenated Hydrocarbon								
C6 Cyclic Hydrocarbon								
Carbon Disulfide			<5			<5		
Carbon Tetrachloride	<50	<50	<5	<5	<5	<5	<10	<10
Chlorobenzene	340	400	<5	<5	<5	<5	<10	<10
Chloroethane	<50	<50	<5	<5	<5	<5	<10	<10
Chloroform	<50	<50	93	100	110	105	110	110
Chloromethane	<100	<100	<50	<10	<10	<50	<20	<20
cis-1,2-Dichloroethene								
cis-1,3-Dichloropropylene	<50	<50	<5	<5	<5	<5	<10	<10
Cyclic Hydrocarbon								
Cyclic Hydrocarbon C6								
Cyclohexane								
Dibromochloromethane	<50	<50	<5	<5	<5	<5	<10	<10
Dichlorodifluoromethane								
Ethyl-Methyl Benzene								
Ethylbenzene	1000[EP]	1500[EP]	<5	<5	<5	<5	<10	<10
Ethylmethylbenzene Isomers								
Hexane								
Hydrocarbon								
Isopropyl Benzene								
Methyl Ethyl Ketone			<50			<50		
Methylbutane								
Methylcyclopentane								
Methylene Chloride	<50	<50	<25	<10	<10	<25	<20	<20
Methylethylbenzene								
n-Propylbenzene								
Naphthalene								
Pentane								
Propane								
Propylbenzene								
S-Butyl Benzene								

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-16 90/04/16 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG
Styrene			<5			<5		
T-Butyl Benzene								
TDC Benzene			<25			<25		
Tetrachloroethylene	<50	<50	21	30	30	<5	<10	<10
Toluene	62	75	<5	<5	<5	30	<10	<10
Total Ethyl Methyl Benzene Isomers								
Total Xylenes	1100	1500	<5			<5		
trans-1,2-Dichloroethylene	<50	<50	<5	<5	<5	<5	<10	<10
trans-1,3-Dichloropropylene	<50	<50	<5	<5	<5	<5	<10	<10
Trichloroethylene	<50	<50	680	890	920	820	1000	1000
Trichlorofluoromethane	<50	<50		<5	<5		<10	<10
Trimethylbenzene								
Trimethylbenzene Isomer								
Vinyl Acetate			<50			<50		
Vinyl Chloride	<50	<50	<5	<5	<5	<5	<10	<10

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/04/06 BAC/ORG	MW-20 90/08/08 ATI/SPT	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG
1,1,1-Trichloroethane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
1,1,2,2-Tetrachloroethane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10000	<10000	4	4	4	<1	<1	<1	<10	<50	<50
1,1-Dichloroethane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
1,1-Dichloroethylene	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
1,2,3-Trimethylbenzene											
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10000			<1	<1		<1	<1		<50	<50
1,2-Dichloroethane	<10000	<10000	<1	<1	<1	<1	<1	<1	120	140	130
1,2-Dichloropropane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10000			<1	<1		<1	<1		<50	<50
1,4-Dichlorobenzene	<10000			<1	<1		<1	<1		<50	<50
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2-Chloroethylvinyl ether	<10000		<1	<1	<1		<1	<1	<100	<50	<50
2-Hexanone		<100000	<10			<10			<100		
2-Methylbutane											
4-Ethyl-1,2-Dimethylbenzene											
4-Methyl-2-Pentanone		<100000	<10			<10			<100		
A 2nd C5H10 Hydrocarbon											
A C10 Hydrocarbon											
A C5 Hyrdrocarbon										2000	
Acetone	<100000	<100000	<10	<10	<10	<10	<10	<10	<100	<500	<500
Acrolein	<200000			<20	<20		<20	<20		<1000	<1000
Acrylonitrile	<200000			<20	<20		<20	<20		<1000	<1000
Aliphatic Hydrocarbon C4											
Aliphatic Hydrocarbon C5											
Benzene	1100000	1200000	<1	<1	<1	<1	<1	<1	1600	2200	1600
Bromochloromethane	<10000			<1	<1						
Bromodichloromethane		<10000	<1			<1	<1	<1	<10	<50	<50
Bromoform	<10000	<50000	<5	<1	<1	<5	<1	<1	<50	<50	<50
Bromomethane	<10000	<100000	<10	<1	<1	<10	<1	<1	<100	<50	<50
Butane											
C10 Alcohol											
C3 Alkylated Benzenes(3)											
C4 Alkylated Benzene											
C4 Hydrocarbon											
C4 Ketone											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
C7 Cyclic Hydrocarbon											
Carbon Disulfide		<10000	<1			<1			<10		
Carbon Tetrachloride	<10000	<10000	1	1	1	<1	<1	<1	<10	<50	<50
Chlorobenzene	<10000	<10000	<1	<1	<1	<1	<1	<1	760	860	690
Chloroethane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
Chloroform	<10000	<10000	55	47	48	<1	<1	1	410	470	380
Chloromethane	<20000	<100000	<10	<2	<2	<10	<2	<2	<100	<100	<100
cis-1,2-Dichloroethene		<10000				<1					
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
Cyclic Hydrocarbon											
Cyclohexane										800	
Cyclopentane											
Dibromochloromethane	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
Dichlorodifluoromethane											
Ethyl Cyclobutane										1000	
Ethylbenzene	<10000	<10000	<1	<1	<1	<1	<1	<1	58	60	<50
Hexane									600		
Isopropyl Benzene											
Methyl Ethyl Ketone		<100000	<10			<10			<100		
Methylbutane										2000	
Methylcyclohexane											
Methylcyclopentane									500		500

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/04/06 BAC/ORG	MW-20 90/08/06 ATI/SPT	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG
Methylene Chloride	<20000	<50000	<5	<2	<2	<5	<2	<2	<50	<50	<50
Methylpropane									1800		
n-Propylbenzene											
Naphthalene											
Pentane									600		
Pentene (mixed isomers)											
Propylbenzene											
S-Butyl Benzene											
Styrene		<10000	<1			<1			<10		
T-Butyl Benzene											
TDC Benzene		<50000	<5			<5			<50		
Tetrachloroethylene	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
Toluene	<10000	<10000	<1	1	1	<1	<1	<1	1700	2200[EP]	1500[EP]
Total Xylenes		<10000	<1			<1			1700	1400	1300
trans-1,2-Dichloroethylene	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
trans-1,3-Dichloropropylene	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50
Trichloroethylene	<10000	<10000	7	6	7	<1	<1	<1	<10	<50	<50
Trichlorofluoromethane	<10000			<1	<1		<1	<1		<50	<50
Trimethylbenzene											
Unknown (as appropriate w/method)											800
Vinyl Acetate		<100000	<10			<10			<100		
Vinyl Chloride	<10000	<10000	<1	<1	<1	<1	<1	<1	<10	<50	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD	MW-25 90/02/22 BAC/ORG	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD
1,1,1-Trichloroethane	<10	<20	<20	<1	<1	<1	<5	<2
1,1,2,2-Tetrachloroethane	<10	<20	<20	<1	<1	<1	<5	<2
1,1,2-Trichloro-1,2,2-Trifluoroethane								
1,1,2-Trichloroethane	<10	<20	<20	<1	<1	<1	<5	<2
1,1-Dichloroethane	<10	<20	<20	<1	<1	<1	<5	<2
1,1-Dichloroethylene	<10	<20	<20	<1	<1	<1	<5	<2
1,2,3-Trimethylbenzene							67	
1,2,4-Trimethyl Benzene								
1,2-Dichlorobenzene		<20	<20		<1	<1	<5	
1,2-Dichloroethane	150	120	130	<1	<1	<1	<5	<2
1,2-Dichloropropane	<10	<20	<20	<1	<1	<1	<5	<2
1,3,5-Trimethyl Benzene								
1,3-Dichlorobenzene		<20	<20		<1	<1	<5	
1,4-Dichlorobenzene		<20	<20		<1	<1	<5	
1-Ethyl-2-Methyl Benzenze							66	
1-Ethyl-4-Methyl Benzene							33	
2-Chloroethylvinyl ether	<100	<20	<20	<10	<1	<1	<10	
2-Hexanone	<100			<10				<20
2-Methylbutane								
4-Ethyl-1,2-Dimethylbenzene							21	
4-Methyl-2-Pentanone	<100			<10				<20
A 2nd C5H10 Hydrocarbon								
A C10 Hydrocarbon								
A C5 Hyrdrocarbon								
Acetone	<100	<200	<200	<10	<10	<10	<100	<40
Acrolein		<400	<400		<20	<20		
Acrylonitrile		<400	<400		<20	<20		
Aliphatic Hydrocarbon C4	2000							
Aliphatic Hydrocarbon C5								100
Benzene	1900	1600	1800	<1	<1	<1	130	140
Bromochloromethane		<20	<20					
Bromodichloromethane	<10			<1	<1	<1	<5	<2
Bromoform	<50	<20	<20	<5	<1	<1	<5	<10
Bromomethane	<100	<20	<20	<10	<1	<1	<10	<20
Butane								
C10 Alcohol								
C3 Alkylated Benzenes(3)								
C4 Alkylated Benzene								
C4 Hydrocarbon								
C4 Ketone								
C5 H10 Hydrocarbon's								
C6 Cyclic Hydrocarbon								
C7 Cyclic Hydrocarbon								
Carbon Disulfide	<10			<1				<2
Carbon Tetrachloride	<10	<20	<20	<1	<1	<1	<5	<2
Chlorobenzene	1000	660[EA]	920[EA]	5	7[EB]	4[EB]	9.8	9
Chloroethane	<10	<20	<20	<1	<1	<1	<10	<2
Chloroform	490	380	400	<1	<1	<1	91	76
Chloromethane	<100	<40	<40	<10	<2	<2	<10	<20
cis-1,2-Dichloroethene								<2
cis-1,2-Dimethylcyclopropane							98	
cis-1,3-Dichloropropylene	<10	<20	<20	<1	<1	<1	<5	<2
Cyclic Hydrocarbon								100
Cyclohexane							120	
Cyclopentane	400							
Dibromochloromethane	<10	<20	<20	<1	<1	<1	<5	<2
Dichlorodifluoromethane								
Ethyl Cyclobutane								
Ethylbenzene	47	50	50	<1	<1	<1	6.1	<2
Hexane	400							
Isopropyl Benzene								
Methyl Ethyl Ketone	<100			<10				<40
Methylbutane								
Methylcyclohexane	-						27	
Methylcyclopentane								

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD	MW-25 90/02/22 BAC/ORG	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD
Methylene Chloride *	<50	<20	<20	<5	<1	<1	29[EB]	<10
Methylpropane								
n-Propylbenzene								
Naphthalene								
Pentane	500							
Pentene (mixed isomers)								
Propylbenzene								
S-Butyl Benzene								
Styrene	<10			<1				<2
T-Butyl Benzene								
TDC Benzene	<50			<5				
Tetrachloroethylene	<10	<20	<20	<1	1	<1	<5	<2
Toluene	1900	1600	1700	<1	1[E]	<1	150	170
Total Xylenes	1800			<1			180	200
trans-1,2-Dichloroethylene	<10	<20	<20	<1	<1	<1	<5	<2
trans-1,3-Dichloropropylene	<10	<20	<20	<1	<1	<1	<5	<2
Trichloroethylene	<10	<20	<20	<1	<1	<1	9.8	8
Trichlorofluoromethane		<20	<20		<1	<1	<10	
Trimethylbenzene								
Unknown (as appropriate w/method)							150	
Vinyl Acetate	<100			<10				<20
Vinyl Chloride	<10	<20	<20	<1	<1	<1	<10	<2

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-30 91/10/03 APPL/SPT	MW-30 91/10/03 ATI/FD	MW-30 91/10/03 ATI/ORG	MW-30 93/01/26 ATI/FD	MW-30 93/01/26 ATI/ORG	MW-30 93/01/26 ENCO/SPT
1,1,1-Trichloroethane	<5	<1	<1	<1	<1	<5
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<1	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane				<5	<5	
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<5
1,1-Dichloroethane	<5	<1	<1	<1	<1	<5
1,1-Dichloroethylene	<5	<1	<1	<1	<1	<5
1,2,4-Trimethyl Benzene						
1,2-Dichlorobenzene	<5			<5	<5	
1,2-Dichloroethane	<5	<1	<1	<1	<1	<5
1,2-Dichloropropane	<5	<1	<1	<1	<1	<5
1,3,5-Trimethyl Benzene						
1,3-Dichlorobenzene	<5			<5	<5	
1,4-Dichlorobenzene	<5			<5	<5	
2-Chloroethylvinyl ether	<10					<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-Pentanone		<10	<10	<10	<10	<10
Acetone	<100	<20	<20	<10	<10	<10
Acrolein						
Acrylonitrile						
Aromatic Hydrocarbon				40		
Benzene	9.1	10	9	<1	<1	<5
Bromochloromethane						
Bromodichloromethane	<5	<1	<1	<1	<1	<5
Bromoform	<5	<5	<5	<5	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<10
Carbon Disulfide		<1	<1	<1	<1	<5
Carbon Tetrachloride	<5	<1	<1	<1	<1	<5
Chlorobenzene	<5	<1	<1	<1	<1	<5
Chloroethane	<10	<1	<1	<5	<5	<10
Chloroform	<5	<1	<1	<1	<1	<5
Chloromethane	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene		<1	<1	<1	<1	
cis-1,3-Dichloropropylene	<5	<1	<1	<1	<1	<5
Cyclohexane						
Dibromochloromethane	<5	<1	<1	<1	<1	<5
Dichlorodifluoromethane				<10	<10	
Ethylbenzene	<5	<1	<1	<1	<1	<5
Isopropyl Benzene						
Methyl Ethyl Ketone		<20	<20	<10	<10	<10
Methylene Chloride	<5	<5	<5	<5	<5	<5
n-Propylbenzene						
Naphthalene						
Propylbenzene						
S-Butyl Benzene						
Styrene		<1	<1	<1	<1	<5
T-Butyl Benzene						
Tetrachloroethylene	<5	<1	<1	<1	<1	<5
Toluene	<5	<2	<2	<2	<2	<5
Total 1,2-Dichloroethene						<5
Total Xylenes	<5	<1	<1	<2	<2	<5
trans-1,2-Dichloroethylene	<5	<1	<1	<1	<1	
trans-1,3-Dichloropropylene	<5	<1	<1	<1	<1	<5
Trichloroethylene	<5	<1	<1	<1	<1	<5
Trichlorofluoromethane	<10			<5	<5	<5
Unknown (as appropriate w/method)	10					
Vinyl Acetate		<10	<10			<10
Vinyl Chloride	<10	<1	<1	<5	<5	<10

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 88/04/19 ATI/SPT	BF-01 88/04/19 BAC/FD	BF-01 88/04/19 BAC/LD	BF-01 88/04/19 BAC/ORG	BF-01 88/07/27 ATI/SPT	BF-01 88/07/27 BAC/FD	BF-01 88/07/27 BAC/ORG	BF-01 89/11/18 ATI/SPT	BF-01 89/11/18 BAC/FD	BF-01 89/11/18 BAC/ORG	BF-03 88/01/20 ATI/SPT	BF-03 88/01/20 BAC/FD
1,1,1-Trichloroethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Trifluoroethane												
1,1,2-Trichloroethane	<5	<25	<25	<25	<3	<25	<25	<3	<5	<5	<100	<200
1,1-Dichloroethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
1,1-Dichloroethylene	<5	<5	7	<5	<3	<5	<5	<3	<5	<5	<100	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<5	<5	<5		<5	<5		<5	<5		<200
1,2-Dichloroethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<5	<5	<5		<5	<5		<5	<5		<200
1,4-Dichlorobenzene		<5	<5	<5		<5	<5		<5	<5		<200
2-Chloroethylvinyl ether	<50	<75	<75	<75	<30	<75	<75	<30	<5	<5	<1000	<200
2-Hexanone	<50				<30			<30			<1000	
4-Methyl-2-Pentanone	<50				<30			<30			<1000	
Acetone	<50	<100	<100	<100	<30	<50	<50	<30	<50	<50	<1000	<2000
Acrolein		<125	<125	<125		<130	<130		<100	<100		<2000
Acrylonitrile		<50	<50	<50		<50	<50		<100	<100		<2000
Benzene	<5	<10	<10	10[EP]	<3	<10	<10	<3	<5	<5	<100	<200
Bis(chloromethyl)ether												<200
Bromochloromethane												
Bromodichloromethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Bromoform	<25	<5	<5	<5	<15	<5	<5	<15	<5	<5	<500	<200
Bromomethane	<50	<5	<5	<5	<30	<5	<5	<30	<5	<5	<1000	<200
C4 Thiophene												
Carbon Disulfide	<5				<3			<3			<100	
Carbon Tetrachloride	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Chlorobenzene	520	510	580	570	570	510	420	490	540	370	13000	15000
Chloroethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Chloroform	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Chloromethane	<50	<25	<25	<25	<30	<25	<25	<30	<10	<10	<1000	<200
cis & trans 1,3-Dichloropropene												<200
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<5	<25	<25	<25	<3	<25	<25	<3	<5	<5	<100	<200
Cyclohexane												
Dibromochloromethane	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Dichlorodifluoromethane												<200
Ethylbenzene	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Isopropyl Benzene												
Methyl Ethyl Ketone	<50				<30			<30			<1000	
Methylene Chloride	<25	<50	<50	<50	<15	<50	<50	<15	<5	<5	<500	<200
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<5				<3			<3			<100	
T-Butyl Benzene												
TDC Benzene								<15				
Tetrachloroethylene	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Tetrahydrothiophene												
Toluene	<5	<10	<10	<10	3	<10	<10	<3	<5	<5	<100	<200
Total Xylenes	<5				<3			<3			<100	
trans-1,2-Dichloroethylene	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
trans-1,3-Dichloropropylene	<5	<25	<25	<25	<3	<25	<25	<3	<5	<5	<100	<200
Trichloroethylene	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200
Trichlorofluoromethane		<5	<5	<5		<5	<5		<5	<5		<200
Vinyl Acetate	<50				<30			<30			<1000	
Vinyl Chloride	<5	<5	<5	<5	<3	<5	<5	<3	<5	<5	<100	<200

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-03 88/01/20 BAC/LD	BF-03 88/01/20 BAC/ORG	BF-03 88/10/14 ATI/SPT	BF-03 88/10/14 BAC/FD	BF-03 88/10/14 BAC/ORG	BF-04 88/04/21 ATI/SPT	BF-04 88/04/21 BAC/FD	BF-04 88/04/21 BAC/LD	BF-04 88/04/21 BAC/ORG	BF-04 91/11/19 APPL/SPT	BF-04 91/11/19 ATI/FD	BF-04 91/11/19 ATI/ORG
1,1,1-Trichloroethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
1,1,2,2-Tetrachloroethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Trifluorobethane												
1,1,2-Trichloroethane	<200	<200	<100	<1000	<1000	<200	<2500	<2500	<2500	<1000	<400	<200
1,1-Dichloroethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
1,1-Dichloroethylene	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<200	<200		<200	<200		<500	<500	<500	<1000		
1,2-Dichloroethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<200	<200		<200	<200		<500	<500	<500	<1000		
1,4-Dichlorobenzene	<200	<200		<200	<200		<500	<500	<500	<1000		
2-Chloroethylvinyl ether	<200	<200	<1000	<3000	<3000	<2000	<7500	<7500	<7500	<2000		
2-Hexanone			<1000			<2000					<4000	<2000
4-Methyl-2-Pentanone			<1000			<2000					<4000	<2000
Acetone	<2000	<2000	<1000	<4000	<4000	<2000	<10000	<10000	<10000	<20000	<8000	<4000
Acrolein	<2000	<2000		<5000	<5000		<12500	<12500	<12500			
Acrylonitrile	<2000	<200		<2000	<2000		<5000	<5000	<5000			
Benzene	<200	<200	<100	<400	<400	<200	<1000	<1000	<1000	<1000	<400	<200
Bis(chloromethyl)ether	<200	<200										
Bromochloromethane												
Bromodichloromethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Bromoform	<200	<200	<500	<200	<200	<1000	<500	<500	<500	<1000	<2000	<1000
Bromomethane	<200	<200	<1000	<200	<200	<2000	<500	<500	<500	<2000	<4000	<2000
C4 Thiophene												
Carbon Disulfide			<100			<200					<400	<200
Carbon Tetrachloride	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Chlorobenzene	15000	16000	12000	13000	13000	39000	38000	41000	42000	27000	28000	30000
Chloroethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<2000	<400	<200
Chloroform	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Chloromethane	<200	<200	<1000	<1000	<1000	<2000	<2500	<2500	<2500	<2000	<4000	<2000
cis & trans 1,3-Dichloropropene	<200	<200										
cis-1,2-Dichloroethene										<1000	<400	<200
cis-1,3-Dichloropropylene	<200	<200	<100	<1000	<1000	<200	<2500	<2500	<2500	<1000	<400	<200
Cyclohexane												
Dibromochloromethane	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Dichlorodifluoromethane	<200	<200										
Ethylbenzene	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Isopropyl Benzene												
Methyl Ethyl Ketone			<1000			<2000					<8000	<4000
Methylene Chloride	<200	<2000	<500	<2000	<2000	<1000	<5000	<5000	<5000	<1000	<2000	<1000
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene			<100			<200					<400	<200
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Tetrahydrothiophene												
Toluene	<200	<200	<100	<400	<400	<200	<1000	<1000	<1000	<1000	<800	<400
Total Xylenes			<100			<200				<1000	<400	<200
trans-1,2-Dichloroethylene	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
trans-1,3-Dichloropropylene	<200	<200	<100	<1000	<1000	<200	<2500	<2500	<2500	<1000	<400	<200
Trichloroethylene	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200
Trichlorofluoromethane	<200	<200		<200	<200		<500	<500	<500	<2000		
Vinyl Acetate			<1000			<2000					<4000	<2000
Vinyl Chloride	<200	<200	<100	<200	<200	<200	<500	<500	<500	<1000	<400	<200

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-05 89/02/06 SWL/SEPA	BF-05 89/02/07 ATI/SPT	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG	BF-05 89/10/25 ATI/SPT	BF-05 89/10/25 BAC/FD	BF-05 89/10/25 BAC/ORG	BF-06 89/02/01 ATI/SPT	BF-06 89/02/01 BAC/FD	BF-06 89/02/01 BAC/ORG	BF-07 90/02/24 ATI/SPT	BF-07 90/02/24 BAC/FD
1,1,1-Trichloroethane	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
1,1,2,2-Tetrachloroethane	<84	<10	<20	121	<30	<50	<50	<200	<200	<200	<500	<500[E]
Trifluoroethane												
1,1,2-Trichloroethane	<84	<10	<20	<20	<30	<50	<50	<200	<1000	<200	<500	<500[E]
1,1-Dichloroethane	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
1,1-Dichloroethylene	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<170		<20	<20		<50	<50		<200	<200		<500[E]
1,2-Dichloroethane	<84	<10	<20(J)	<20(J)	<30	<50	<50	<200	<200	<200	<500	<500[E]
1,2-Dichloroethylene	<84											
1,2-Dichloropropane	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene			<20	<20		<50	<50		<200	<200		<500[E]
1,4-Dichlorobenzene	<170		<20	<20		<50	<50		<200	<200		<500[E]
2-Chloroethylvinyl ether		<100	<20	<20	<300	<50	<50	<2000	<3000	<200	<5000	<500[E]
2-Hexanone	<170	<100(J)			<300			<2000(J)			<5000	
4-Methyl-2-Pentanone	<170	<100			<300			<2000			<5000	
Acetone	<170	<100(J)	<200	<200	<300	<500	<500	<2000(J)	<4000	<2000	<5000	<5000[E]
Acrolein			<400(J)	<400(J)		<1000	<1000		<5000(J)	<4000(J)		<10000[E]
Acrylonitrile			<400	<400		<1000	<1000		<2000	<4000		<10000[E]
Benzene	<84	<10	<20	<20	<30	<50	<50	230	400	270	<500	<500[E]
Bis(chloromethyl)ether												
Bromochloromethane												<500[E]
Bromodichloromethane	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	
Bromoform	<84	<50	<20	94	<150	<50	<50	<1000	<200	<200	<2500	<500[E]
Bromomethane	<170	<100	<20	<20	<300	<50	<50	<2000	<200	<200	<5000	<500[E]
C4 Thiophene												
Carbon Disulfide	<84	<10			<30			<200			<500	
Carbon Tetrachloride	<84	<10	<20(J)	<20(J)	<30	<50	<50	<200	<200(J)	<200(J)	<500	<500[E]
Chlorobenzene	2200	1200	1400	115(UTET)	2400	2200	2400	31000	36000	33000	4900[ET]	42000[E]
Chloroethane	<170	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
Chloroform	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
Chloromethane	<170	<100	<40(J)	<40(J)	<300	<100	<100	<2000	<1000(J)	<400(J)	<5000	<1000[E]
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<84	<10	<20	<20	<30	<50	<50	<200	<1000	<200	<500	<500[E]
Cyclohexane												
Dibromochloromethane	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
Dichlorodifluoromethane												
Ethylbenzene	<84	<10	<20	120	<30	<50	<50	<200	<200	<200	<500	<500[E]
Isopropyl Benzene												
Methyl Ethyl Ketone	<170(J)	<100(J)			<300			<2000(J)			<5000	
Methylene Chloride	89(J)	<50	<20	<20	<150	<50	<50	<1000	<2000	<200	<2500	<500[E]
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<84	<10			<30			<200			<500	
T-Butyl Benzene												
TDC Benzene					<150						<2500	
Tetrachloroethylene	<84	<10	<20	104	<30	<50	<50	<200	270	<200	<500	<500[E]
Tetrahydrothiophene												
Toluene	<84	<10	43	117	<30	<50	<50	<200	<400	<200	<1000	<500[E]
Total Xylenes	<84	<10			<30			<200			<500	
trans-1,2-Dichloroethylene		<10	<20(J)	<20(J)	<30	<50	<50	<200	<200(J)	<200(J)	<500	<500[E]
trans-1,3-Dichloropropylene	<84	<10	<20	<20	<30	<50	<50	<200	<1000(J)	<200(J)	<500	<500[E]
Trichloroethylene	<84	<10	<20	<20	<30	<50	<50	<200	<200	<200	<500	<500[E]
Trichlorofluoromethane			<20(J)	<20(J)		<50	<50		<200(J)	<200(J)		<500[E]
Vinyl Acetate	<170(J)	<100			<300			<2000			<5000	
Vinyl Chloride	<170	<10	<20(J)	<20(J)	<30	<50	<50	<200	<200(J)	<200(J)	<500	<500[E]

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-07 90/02/24 BAC/ORG	BF-08 89/02/06 ATI/SPT	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG	BF-09 89/05/18 ATI/SPT	BF-09 89/05/18 BAC/FD	BF-09 89/05/18 BAC/ORG	BF-11 90/04/17 ATI/SPT	BF-11 90/04/17 BAC/FD	BF-11 90/04/17 BAC/ORG	BF-13 89/11/06 ATI/SPT	BF-13 89/11/06 BAC/FD
1,1,1-Trichloroethane	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
1,1,2,2-Tetrachloroethane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Trifluoroethane												
1,1,2-Trichloroethane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
1,1-Dichloroethane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
1,1-Dichloroethylene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<500[E]		<100	<250		<200	<200		<10	<10		<500
1,2-Dichloroethane	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
1,2-Dichloroethylene												
1,2-Dichloropropane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<500[E]		<100	<250		<200	<200		<10	<10		<500
1,4-Dichlorobenzene	<500[E]		<100	<250		<200	<200		<10	<10		<500
2-Chloroethylvinyl ether	<500[E]	<400	<100	<250	<500	<200	<200	<10	<10	<10	<2000	<500
2-Hexanone		<400(J)			<500			<100			<2000	
4-Methyl-2-Pentanone		<400			<500			<100			<2000	
Acetone	<5000[E]	<400(J)	<1000(J)	<2500(J)	<500(J)	<2000	<2000	<100	<100	<100	<2000	<5000
Acrolein	<10000[E]		<2000(J)	<5000(J)		<4000	<4000		<200	<200		<10000
Acrylonitrile	<10000[E]		<2000	<5000		<4000	<4000		<200	<200		<10000
Benzene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	32000	48000
Bis(chloromethyl)ether												
Bromochloromethane	<500[E]								<10	<10		
Bromodichloromethane		<40	<100	<250	<50	<200	<200	<10			<200	<500
Bromoform	<500[E]	<200	<100	<250	<250	<200	<200	<50	<10	<10	<1000	<500
Bromomethane	<500[E]	<400	<100	<250	<500	<200	<200	<100	<10	<10	<2000	<500
C4 Thiophene												
Carbon Disulfide		<40			<50			<10			<200	
Carbon Tetrachloride	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
Chlorobenzene	45000[E]	5200	5200	5300	14000	31600	20000	<10	2000	2100	<200	<500
Chloroethane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Chloroform	<500[E]	<40	<100	<250	710	620	620	<10	<10	<10	<200	<500
Chloromethane	<1000[E]	<400	<200	<500	<500	<400	<400	<100	<20	<20	<2000	<1000
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Cyclohexane												
Dibromochloromethane	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Dichlorodifluoromethane												
Ethylbenzene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	650	800
Isopropyl Benzene												
Methyl Ethyl Ketone		<400(J)			<500			<100			<2000	
Methylene Chloride	<500[E]	<200	<100	<250	<250	<200	<200	<50	<20	<20	<1000	<500
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene		<40			<50			<10			<200	
T-Butyl Benzene												
TDC Benzene								<50			<1000	
Tetrachloroethylene	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
Tetrahydrothiophene												
Toluene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Total Xylenes		<40			<50			<10			<200	
trans-1,2-Dichloroethylene	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
trans-1,3-Dichloropropylene	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500
Trichloroethylene	<500[E]	<40	<100	<250	<50	<200	<200	<10	<10	<10	<200	<500
Trichlorofluoromethane	<500[E]		<100(J)	<250(J)		<200	<200		<10	<10		<500
Vinyl Acetate		<400			<500			<100			<2000	
Vinyl Chloride	<500[E]	<40	<100(J)	<250(J)	<50	<200	<200	<10	<10	<10	<200	<500

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-13 89/11/06 BAC/ORG	BF-14 89/10/26 ATI/SPT	BF-14 89/10/26 BAC/FD	BF-14 89/10/26 BAC/ORG	BF-15 89/11/14 ATI/SPT	BF-15 89/11/14 BAC/FD	BF-15 89/11/14 BAC/ORG	BF-16 89/12/19 ATI/SPT	BF-16 89/12/19 BAC/FD	BF-16 89/12/19 BAC/ORG	BF-16 90/08/04 ATI/SPT	BF-16 90/08/04 BAC/FD
1,1,1-Trichloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,1,2,2-Tetrachloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Trifluoroethane												
1,1,2-Trichloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,1-Dichloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,1-Dichloroethylene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<500		<20	<10		<500	<500		<1	<2		<1
1,2-Dichloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<500		<20	<10		<500	<500		<1	<2		<1
1,4-Dichlorobenzene	<500		<20	<10		<500	<500		<1	<2		<1
2-Chloroethylvinyl ether	<500	<30	<20	<10	<1000	<500	<500	<10	<1	<2		<1
2-Hexanone		<30			<1000			<10			<10	
4-Methyl-2-Pentanone		<30			<1000			<10			<10	
Acetone	<5000	300	<200	<100	<1000	<5000	<5000	<10	<10	<20	<10	<10
Acrolein	<10000		<400	<200		<10000	<10000		<20	<40		<20
Acrylonitrile	<10000		<400	<200		<10000	<10000		<20	<40		<20
Benzene	33000	4	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane												<1
Bromodichloromethane	<500	<3	<20	<10	<100	<500	<500	2	2	<2	<1	
Bromoform	<500	<15	<20	<10	<500	<500	<500	<5	1	<2	<5	<1
Bromomethane	<500	<30	<20	<10	<1000	<500	<500	<10	<1	<2	<10	<1
C4 Thiophene												
Carbon Disulfide		<3			<100			<1			<1	
Carbon Tetrachloride	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Chlorobenzene	<500	1100	1100	1300	35000	45000	34000	170	170	180	140	150
Chloroethane	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Chloroform	<500	4	<20	<10	<100	<500	<500	2	2	<2	<1	<1
Chloromethane	<1000	<30	<40	<20	<1000	<1000	<1000	<10	<2	<4	<10	<2
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene											<1	
cis-1,3-Dichloropropylene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Cyclohexane												
Dibromochloromethane	<500	<3	<20	<10	<100	<500	<500	2	3	<2	<1	<1
Dichlorodifluoromethane												
Ethylbenzene	680	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone		<30			<1000			<10			<10	
Methylene Chloride	<500	<15	<20	<10	<500	<500	<500	<5	<1	<2	<5	<2
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene		<3			<100			<1			<1	
T-Butyl Benzene												
TDC Benzene		<15			<500			<5			<5	
Tetrachloroethylene	<500	4	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Tetrahydrothiophene												
Toluene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Total Xylenes		<3			<100			<1			<1	
trans-1,2-Dichloroethylene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
trans-1,3-Dichloropropylene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Trichloroethylene	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1
Trichlorofluoromethane	<500		<20	<10		<500	<500		<1	<2		<1
Vinyl Acetate		<30			<1000			<10			<10	
Vinyl Chloride	<500	<3	<20	<10	<100	<500	<500	<1	<1	<2	<1	<1

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-16 90/08/04 BAC/ORG	BF-17 89/12/20 ATI/SPT	BF-17 89/12/20 BAC/FD	BF-17 89/12/20 BAC/ORG	BF-17 90/11/29 ATI/SPT	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG
1,1,1-Trichloroethane	<1	<20	<20	<20	<20	<50	<50
1,1,2,2-Tetrachloroethane	<1	<20	<20	<20	<20	<50	<50
Trifluoroethane							
1,1,2-Trichloroethane	<1	<20	<20	<20	<20	<50	<50
1,1-Dichloroethane	<1	<20	<20	<20	<20	<50	<50
1,1-Dichloroethylene	<1	<20	<20	<20	<20	<50	<50
1,2,4-Trimethyl Benzene							
1,2-Dichlorobenzene	<1		<20	<20		<50	<50
1,2-Dichloroethane	<1	27	20	30	<20	<50	<50
1,2-Dichloroethylene							
1,2-Dichloropropane	<1	<20	<20	<20	<20	<50	<50
1,3,5-Trimethyl Benzene							
1,3-Dichlorobenzene	<1		<20	<20		<50	<50
1,4-Dichlorobenzene	<1		<20	<20		<50	<50
2-Chloroethylvinyl ether	<1	<200	<20	<20		<50	<50
2-Hexanone		<200			<200		
4-Methyl-2-Pentanone		<200			<200		
Acetone	<10	<200	<200	<200	<200	<500	<500
Acrolein	<20		<400	<400		<1000	<1000
Acrylonitrile	<20		<400	<400		<1000	<1000
Benzene	<1	<20	<20	<20	<20	<50	<50
Bis(chloromethyl)ether							
Bromochloromethane	<1						
Bromodichloromethane		<20	<20	<20	<20	<50	<50
Bromoform	<1	<100	<20	<20	<100	<50	<50
Bromomethane	<1	<200	<20	<20	<200	<50	<50
C4 Thiophene							
Carbon Disulfide		<20			<20		
Carbon Tetrachloride	<1	<20	<20	<20	<20	<50	<50
Chlorobenzene	160	2300	2500	2300	3300	3700	3600
Chloroethane	<1	<20	<20	<20	<20	<50	<50
Chloroform	<1	<20	<20	<20	<20	<50	<50
Chloromethane	<2	<200	<40	<40	<200	<100	<100
cis & trans 1,3-Dichloropropene							
cis-1,2-Dichloroethene					<20		
cis-1,3-Dichloropropylene	<1	<20	<20	<20	<20	<50	<50
Cyclohexane							
Dibromochloromethane	<1	<20	<20	<20	<20	<50	<50
Dichlorodifluoromethane							
Ethylbenzene	<1	<20	<20	<20	<20	<50	<50
Isopropyl Benzene							
Methyl Ethyl Ketone		<200			<200		
Methylene Chloride	<2	<100	<20	<20	<100	<100	<100
n-Propylbenzene							
Naphthalene							
Propylbenzene							
S-Butyl Benzene							
Styrene		<20			<20		
T-Butyl Benzene							
TDC Benzene		<100			<100		
Tetrachloroethylene	<1	<20	<20	<20	<20	<50	<50
Tetrahydrothiophene							
Toluene	<1	<20	<20	<20	<20	<50	<50
Total Xylenes		<20			<20		
trans-1,2-Dichloroethylene	<1	<20	<20	<20	<20	<50	<50
trans-1,3-Dichloropropylene	<1	<20	<20	<20	<20	<50	<50
Trichloroethylene	<1	<20	<20	<20	<20	<50	<50
Trichlorofluoromethane	<1		<20	<20		<50	<50
Vinyl Acetate		<200			<200		
Vinyl Chloride	<1	<20	<20	<20	<20	<50	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-20 91/10/11 APPL/SPT	BF-20 91/10/11 ATI/FD	BF-20 91/10/11 ATI/ORG	BF-21 91/10/17 APPL/SPT	BF-21 91/10/17 ATI/FD	BF-21 91/10/17 ATI/ORG	BF-22 91/10/16 APPL/SPT	BF-22 91/10/16 ATI/FD	BF-22 91/10/16 ATI/ORG	BF-24 91/05/31 APPL/SPT	BF-24 91/05/31 ATI/FD
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,1,2,2-Tetrachloroethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,1-Dichloroethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,1-Dichloroethylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<25			<50			<5			<250	
1,2-Dichloroethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,2-Dichloropropane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<25			<50			<5			<250	
1,4-Dichlorobenzene	<25			<50			<5			<250	
2-Chloroethylvinyl ether	<50			<100			<10			<500	
2-Hexanone		<50	<50		<500	<500		<20	<40		<500
4-Methyl-2-Pentanone		<50	<50		<500	<500		<20	<40		<500
Acetone	<500	<100	<100	<1000	<1000	<1000	<100	<40	<80	<1250	<1000
Acrylonitrile											
Benzene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Bromodichloromethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Bromoform	<25	<25	<25	<50	<250	<250	<5	<10	<20	<250	<250
Bromomethane	<50	<50	<50	<100	<500	<500	<10	<20	<40	<500	<500
Carbon Disulfide		<5	<5		<50	<50		<2	<4		<50
Carbon Tetrachloride	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Chlorobenzene	660	680	720	7800	7900	8900	350	380	360	8560	8300
Chloroethane	<50	<5	<5	<100	<50	<50	<10	<2	<4	<500	<50
Chloroform	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Chloromethane	<50	<50	<50	<100	<500	<500	<10	<20	<40	<500	<500
cis-1,2-Dichloroethene		<5	<5		<50	<50		<2	<4		<50
cis-1,3-Dichloropropylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Cyclohexane											
Dibromochloromethane	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Dichlorodifluoromethane											
Ethylbenzene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Isopropyl Benzene											
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone		<100	<100		<1000	<1000		<40	<80		<1000
Methylene Chloride	<25	<25	<25	<50	<250	<250	10	<10	<20	<250	<250
n-Propylbenzene											
Naphthalene											
o-Xylene/Ortho Xylene											
Propylbenzene											
S-Butyl Benzene											
Styrene		<5	<5		<50	<50		<2	<4		<50
T-Butyl Benzene											
Tetrachloroethylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Toluene	<25	<10	<10	<50	<100	<100	<5	<4	<8	<250	<100
Total 1,2-Dichloroethene											
Total Xylenes	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
trans-1,2-Dichloroethylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
trans-1,3-Dichloropropylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Trichloroethylene	<25	<5	<5	<50	<50	<50	<5	<2	<4	<250	<50
Trichlorofluoromethane	<50			<100			<10			<500	
Unknown (as appropriate w/method)							8				
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate		<50	<50		<500	<500		<20	<40		<500
Vinyl Chloride	<50	<5	<5	<100	<50	<50	<10	<2	<4	<500	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-24 91/05/31 ATI/ORG	BF-26 92/07/21 ATI/ORG	BF-26 92/07/21 ENCO/SPT	BF-26 93/01/28 ATI/FD	BF-26 93/01/28 ATI/ORG	BF-26 93/01/28 ENCO/SPT	BF-26 95/11/27 ATI/SPT	BF-26 95/11/27 BAC/ORG	BF-29 91/08/08 APPL/SPT	BF-29 91/08/08 ATI/FD	BF-29 91/08/08 ATI/ORG
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
1,1,2,2-Tetrachloroethane	<50	<1	<5	<1	<1	<5	<2	<1	<10	<5	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane				<5	<5		<5	<2			
1,1,2-Trichloroethane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
1,1-Dichloroethane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
1,1-Dichloroethylene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
1,2,4-Trimethyl Benzene								<1			
1,2-Dichlorobenzene				<5	<5		<5	<1	<10		
1,2-Dichloroethane	<50	<1	<5	<1	<1	<5	<1	<0.5	<10	<5	<5
1,2-Dichloropropane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
1,3,5-Trimethyl Benzene								<1			
1,3-Dichlorobenzene				<5	<5		<5	<1	<10		
1,4-Dichlorobenzene				<5	<5		<5	<1	<10		
2-Chloroethylvinyl ether			<10			<10		<5	<20		
2-Hexanone	<500	<10	<10	<10	<10	<10	<10	<5		<50	<50
4-Methyl-2-Pentanone	<500	<10	<10	<10	<10	<10	<10	<5		<50	<50
Acetone	<1000	<10	<10	<10	<10	<10	<10	<20	500[ET]	<100	<100
Acrylonitrile								<50			
Benzene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Bromodichloromethane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Bromoform	<250	<5	<5	<5	<5	<5	<5	<1	<10	<25	<25
Bromomethane	<500	<10	<10	<10	<10	<10	<10	<1	<20	<50	<50
Carbon Disulfide	<50	<1	<5	<1	<1	<5	<2	<2		<5	<5
Carbon Tetrachloride	<50	<1	<5	<1	<1	<5	<1	<0.5	<10	<5	<5
Chlorobenzene	8200	20	18	16	15	18	8	7.4	370	650	620
Chloroethane	<50	<5	<10	<5	<5	<10	<5	<1	<20	<5	<5
Chloroform	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Chloromethane	<500	<10	<10	<10	<10	<10	<10	<1	<20	<50	<50
cis-1,2-Dichloroethene	<50	<1		<1	<1		<1	<1		<5	<5
cis-1,3-Dichloropropylene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Cyclohexane								<5			
Dibromochloromethane	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Dichlorodifluoromethane				<10	<10		<10	<5			
Ethylbenzene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Isopropyl Benzene								<1			
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone	<1000	<10	<10	<10	<10	<10	<10	<5		<100	<100
Methylene Chloride	<250	<5	<5	<5	<5	<5	<5	<2	<10	<25	<25
n-Propylbenzene								<1			
Naphthalene								<2			
o-Xylene/Ortho Xylene											
Propylbenzene								<1			
S-Butyl Benzene								<1			
Styrene	<50	<1	<5	<1	<1	<5	<1	<1		<5	<5
T-Butyl Benzene								<1			
Tetrachloroethylene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Toluene	<100	<2	<5	<2	<2	<5	<2	<1	<10	<10	<10
Total 1,2-Dichloroethene			<5			<5					
Total Xylenes	<50	<1	<5	<2	<2	<5	<1	<3	<10	<5	<5
trans-1,2-Dichloroethylene	<50	<1		<1	<1		<1	<1	<10	<5	<5
trans-1,3-Dichloropropylene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Trichloroethylene	<50	<1	<5	<1	<1	<5	<1	<1	<10	<5	<5
Trichlorofluoromethane			<5	<5	<5	<5	<5	<1	<20		
Unknown (as appropriate w/method)											
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate	<500		<10			<10		<10		<50	<50
Vinyl Chloride	<50	<5	<10	<5	<5	<10	<5	<1	<20	<5	<5

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 88/01/19 ATI/SPT	G-03 88/01/19 BAC/FD	G-03 88/01/19 BAC/LD	G-03 88/01/19 BAC/ORG	G-03 88/07/25 ATI/SPT	G-03 88/07/25 BAC/FD	G-03 88/07/25 BAC/ORG	G-04 91/11/21 APPL/SPT	G-04 91/11/21 ATI/FD	G-04 91/11/21 ATI/ORG	G-05 89/02/08 ATI/SPT	G-05 89/02/08 BAC/FD
1,1,1-Trichloroethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
Trifluoroethane												
1,1,2-Trichloroethane	<5	<5	<5	<5	<5[EH]	<25	<25	<50	<10	<10	<100	<100
1,1-Dichloroethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
1,1-Dichloroethylene	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<5	<5	<5		<5	<5	<50				<100
1,2-Dichloroethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<5	<5	<5		<5	<5	<50				<100
1,4-Dichlorobenzene		<5	<5	<5		<5	<5	<50				<100
2-Chloroethylvinyl ether	<50	<5	<5	<5	<50[EH]	<75	<75	<100			<1000	<100
2-Hexanone	<50				<50[EH]				<100	<100	<1000(J)	
4-Methyl-2-Pentanone	<50				<50[EH]				<100	<100	<1000	
Acetone	<50	<50	<50	<50	<50[EH]	<50	<50	<1000	<200	<200	<1000(J)	<1000
Acrolein		<50	<50	<50		<130	<130					<2000(J)
Acrylonitrile		<50	<50	<50		<50	<50					<2000
Benzene	<5	<5	<5	<5	<5[EH]	<10	<10	<50	<10	<10	<100	<100
Bis(chloromethyl)ether		<5	<5	<5								
Bromochloromethane												
Bromodichloromethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
Bromoform	<25	<5	<5	<5	<25[EH]	<5	<5	<50	<50	<50	<500	<100(J)
Bromomethane	<50	<5	<5	<5	<50[EH]	<5	<5	<100	<100	<100	<1000	<100
Carbon Disulfide	<5				<5[EH]				<10	<10	<100	
Carbon Tetrachloride	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
Chlorobenzene	660	780	790	800	810[EH]	680	650	1300	1400	1400	17000	18000
Chloroethane	<5	<5	<5	<5	<5[EH]	<5	<5	<100	<10	<10	<100	<100
Chloroform	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
Chloromethane	<50	<5	<5	<5	<50[EH]	<25	<25	<100	<100	<100	<1000	<200
Dichloropropene		<5	<5	<5								
cis-1,2-Dichloroethene								<50	<10	<10		
cis-1,3-Dichloropropylene	<5	<5	<5	<5	<5[EH]	<25	<25	<50	<10	<10	<100	<100
Cyclohexane												
Dibromochloromethane	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
Dichlorodifluoromethane		<5	<5	<5								
Ethylbenzene	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
Isopropyl Benzene												
Methyl Ethyl Ketone	<50				<50[EH]				<200	<200	<1000(J)	
Methylene Chloride	<25	<5	<5	<5	<25[EH]	<50	<50	59	<50	<50	<500	<100(J)
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<5				<5[EH]				<10	<10	<100	
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
Tetrahydrothiophene												
Toluene	<5	<5	<5	<5	<5[EH]	<10	<10	<50	<20	<20	<100	<100
Total 1,2-Dichloroethane												
Total Xylenes	<5				<5[EH]			<50	<10	<10	<100	
trans-1,2-Dichloroethylene	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)
trans-1,3-Dichloropropylene	<5	<5	<5	<5	<5[EH]	<25	<25	<50	<10	<10	<100	<100(J)
Trichloroethylene	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100
Trichlorofluoromethane		<5	<5	<5		<5	<5	<100				<100(J)
Vinyl Acetate	<50				<50[EH]				<100	<100	<1000	
Vinyl Chloride	<5	<5	<5	<5	<5[EH]	<5	<5	<50	<10	<10	<100	<100(J)

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-05 89/02/08 BAC/ORG	G-05 90/04/21 ATI/SPT	G-05 90/04/21 BAC/FD	G-05 90/04/21 BAC/ORG	G-07 89/01/30 ATI/SPT	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/02/06 SWL/SEPA	G-08 90/01/10 ATI/SPT	G-08 90/01/10 BAC/FD	G-08 90/01/10 BAC/ORG
1,1,1-Trichloroethane	<250(J)	<71	<250	<250	<1	<1	<1(J)	<1(J)	<5	<1	<5	<5
1,1,2,2-Tetrachloroethane	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Trifluoroethane												
1,1,2-Trichloroethane	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
1,1-Dichloroethane	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
1,1-Dichloroethylene	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<250		<250	<250		<1	<1	<1	<10		<5	<5
1,2-Dichloroethane	<250(J)	<71	<250	<250	<1	<1	<1(J)	<1(J)	<5	<1	<5	<5
1,2-Dichloroethylene									<5			
1,2-Dichloropropane	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<250		<250	<250		<1	<1	<1			<5	<5
1,4-Dichlorobenzene	<250		<250	<250		<1	<1	<1	<10		<5	<5
2-Chloroethylvinyl ether	<250	<71	<250	<250	<10	<1	<1	<1		<10	<5	<5
2-Hexanone		<710			<10(J)				<10	<10		
4-Methyl-2-Pentanone		<710			<10				<10	<10		
Acetone	<2500	<710	<2500	<2500	<10(J)	<10(J)	<10(J)	<10(J)	<10	<10	<50	<50
Acrolein	<5000(J)		<5000	<5000		<20(J)	<20(J)	<20(J)			<100	<100
Acrylonitrile	<5000		<5000	<5000		<20	<20	<20			<100	<100
Benzene	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Bis(chloromethyl)ether												
Bromochloromethane			<250	<250								
Bromodichloromethane	<250(J)	<71			<1	<1	<1	<1	<5	<1	<5	<5
Bromoform	<250(J)	<355	<250	<250	<5	<1	<1	<1	<5	<5	<5	<5
Bromomethane	<250	<710	<250	<250	<10	<1	<1	<1	<10	<10	<5	<5
Carbon Disulfide		<71			<1				<5	<1		
Carbon Tetrachloride	<250(J)	<71	<250	<250	<1	<1(J)	<1(J)	<1(J)	<5	<1	<5	<5
Chlorobenzene	14000	14000	14000	14000	92	89	87	82	94	106	130	110
Chloroethane	<250	<71	<250	<250	<1	<1	<1	<1	<10	<1	<5	<5
Chloroform	<250(J)	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Chloromethane	<500	<710	<500	<500	<10	<2	<2	<2	<10	<10	<10	<10
Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Cyclohexane												
Dibromochloromethane	<250(J)	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Dichlorodifluoromethane												
Ethylbenzene	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Isopropyl Benzene												
Methyl Ethyl Ketone		<710			<10(J)				<10(J)	<10		
Methylene Chloride	<250	<355	<500	<500	<5	<1	<1	<1	<5	<5	<5	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene		<71			<1				<5	<1		
T-Butyl Benzene												
TDC Benzene		<355								<5		
Tetrachloroethylene	<250(J)	<71	<250	<250	<1	<1	<1	<1(J)	<5	<1	<5	<5
Tetrahydrothiophene												
Toluene	<250	<71	<250	<250	<1	15	2	2	<5	<1	<5	<5
Total 1,2-Dichloroethene												
Total Xylenes		<71			<1				<5	<1		
trans-1,2-Dichloroethylene	<250(J)	<71	<250	<250	<1	<1(J)	<1(J)	<1(J)		<1	<5	<5
trans-1,3-Dichloropropylene	<250(J)	<71	<250	<250	<1	<1(J)	<1(J)	<1(J)	<5	<1	<5	<5
Trichloroethylene	<250	<71	<250	<250	<1	<1	<1	<1	<5	<1	<5	<5
Trichlorofluoromethane	<250(J)		<250	<250		<1(J)	<1(J)	<1(J)			<5	<5
Vinyl Acetate		<710			<10				<10(J)	<10		
Vinyl Chloride	<250(J)	<71	<250	<250	<1	<1(J)	<1(J)	<1(J)	<10	<1	<5	<5

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-08 91/04/24 ATI/SPT	G-08 91/04/24 BAC/FD	G-08 91/04/24 BAC/ORG	G-09 90/08/05 ATI/SPT	G-09 90/08/05 BAC/FD	G-09 90/08/05 BAC/ORG	G-09 93/01/27 ATI/FD	G-09 93/01/27 ATI/ORG	G-09 93/01/27 ENCO/SPT	G-11 90/02/23 ATI/SPT	G-11 90/02/23 BAC/FD	G-11 90/02/23 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Trifluoroethane							<25	<10				
1,1,2-Trichloroethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<1	<1		<10	<10	<25	<10			<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<1	<1		<10	<10	<25	<10			<1	<1
1,4-Dichlorobenzene		<1	<1		<10	<10	<25	<10			<1	<1
2-Chloroethylvinyl ether		<1	<1		<10	<10			<50	<10	<1	<1
2-Hexanone	<10			<1			<50	<20	<50	<10		
4-Methyl-2-Pentanone	<10			<10			<50	<20	<50	<10		
Acetone	<20	<10	<10	<10	<100	<100	<50	<20	<50	<10	<10	<10
Acrolein		<20	<20		<200	<200					<20	<20
Acrylonitrile		<20	<20		<200	<200					<20	<20
Benzene	<1	<1	<1	370[ET]	1000	1000	360	380	400	<1	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane					<10	<10					<1	<1
Bromodichloromethane	<1	<1	<1	<1			<5	<2	<25	<1		
Bromoform	<5	<1	<1	<5	<10	<10	<25	<10	<25	<5	<1	<1
Bromomethane	<10	<1	<1	<10	<10	<10	<50	<20	<50	<10	<1	<1
Carbon Disulfide	<1			<1			<5	<2	<25	<1		
Carbon Tetrachloride	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Chlorobenzene	87	73	73	<1	<10	<10	<5	<2	<25	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<10	<10	<25	<10	<50	<1	<1	<1
Chloroform	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Chloromethane	<10	<2	<2	<10	<20	<20	<50	<20	<50	<10	<2	<2
Dichloropropane												
cis-1,2-Dichloroethene	<1						<5	<2				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Dichlorodifluoromethane							<50	<20				
Ethylbenzene	<1	<1	<1	21	20	20	42	47	49	<1	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone	<20			<10			<50	<20	<50	<10		
Methylene Chloride	<5	<2	<2	<5	<20	<20	<25	<10	<25	<5	<1	<1
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<1			<1			<5	<2	<25	<1		
T-Butyl Benzene												
TDC Benzene				<5						<5		
Tetrachloroethylene	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Tetrahydrothiophene				6								
Toluene	<2	<1	<1	<1	<10	<10	<10	<4	<25	<1	<1	<1
Total 1,2-Dichloroethene									<25			
Total Xylenes	<1			<1			<10	<4	<25	<1		
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<10	<10	<5	<2		<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<10	<10	<5	<2	<25	<1	<1	<1
Trichlorofluoromethane		<1	<1		<10	<10	<25	<10	<25		<1	<1
Vinyl Acetate	<10			<10					<50	<10		
Vinyl Chloride	<1	<1	<1	<1	<10	<10	<25	<10	<50	<1	<1	<1

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-12 89/10/27 ATI/SPT	G-12 89/10/27 BAC/FD	G-12 89/10/27 BAC/ORG	G-13 89/11/15 ATI/SPT	G-13 89/11/15 BAC/FD	G-13 89/11/15 BAC/ORG	G-13 90/11/30 ATI/SPT	G-13 90/11/30 BAC/FD	G-13 90/11/30 BAC/ORG	G-19 91/10/10 APPL/SPT	G-19 91/10/10 ATI/FD	G-19 91/10/10 ATI/ORG
1,1,1-Trichloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,1,2,2-Tetrachloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Trifluoroethane												
1,1,2-Trichloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,1-Dichloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,1-Dichloroethylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<50	<10		<50	<50		<20	<20	<5		
1,2-Dichloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<50	<10		<50	<50		<20	<20	<5		
1,4-Dichlorobenzene		<50	<10		<50	<50		<20	<20	<5		
2-Chloroethylvinyl ether	<30	<50	<10	<100	<50	<50		<20	<20	<10		
2-Hexanone	<30			<100			<100				<10	<10
4-Methyl-2-Pentanone	<30			<100			<100				<10	<10
Acetone	<30	<500	<100	<100	<500	<500	<100	<200	<200	<100	<20	<20
Acrolein		<1000	<200		<1000	<1000		<400	<400			
Acrylonitrile		<1000	<200		<1000	<1000		<400	<400			
Benzene	19	<50	23	<10	<50	<50	<10	<20	<20	<5	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane												
Bromodichloromethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Bromoform	<15	<50	<10	<50	<50	<50	<50	<20	<20	<5	<5	<5
Bromomethane	<30	<50	<10	<100	<50	<50	<100	<20	<20	<10	<10	<10
Carbon Disulfide	<3			<10			<10				<1	<1
Carbon Tetrachloride	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Chlorobenzene	1100	1200	1100	1400	1200	1200	1400	1400	1400	18	19	23
Chloroethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<10	<1	<1
Chloroform	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Chloromethane	<30	<100	<20	<100	<100	<100	<100	<40	<40	<10	<10	<10
Dichloropropane												
cis-1,2-Dichloroethene							<10				<1	<1
cis-1,3-Dichloropropylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Cyclohexane												
Dibromochloromethane	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Dichlorodifluoromethane												
Ethylbenzene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone	<30			<100			<100				<20	<20
Methylene Chloride	<15	<50	<10	<50	<50	<50	<50	<40	40	8.5	<5	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<3			<10			<10				<1	<1
T-Butyl Benzene												
TDC Benzene	<15			<50			<50					
Tetrachloroethylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Tetrahydrothiophene												
Toluene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<2	<2
Total 1,2-Dichloroethene												
Total Xylenes	<3			<10			<10			<5	<1	<1
trans-1,2-Dichloroethylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
trans-1,3-Dichloropropylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Trichloroethylene	<3	<50	<10	<10	<50	<50	<10	<20	<20	<5	<1	<1
Trichlorofluoromethane		<50	<10		<50	<50		20[EB]	20	<10		
Vinyl Acetate	<30			<100			<100				<10	<10
Vinyl Chloride	<3	<50	<10	<10	<50	<50	<10	<20	<20	<10	<1	<1

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-19 92/07/23 ATI/FD	G-19 92/07/23 ATI/ORG	G-19 92/07/23 ENCO/SPT	LG-01 88/04/20 ATI/SPT	LG-01 88/04/20 BAC/FD	LG-01 88/04/20 BAC/LD	LG-01 88/04/20 BAC/ORG	LG-01 90/08/03 ATI/SPT	LG-01 90/08/03 BAC/FD	LG-01 90/08/03 BAC/ORG	LG-02 89/02/02 ATI/SPT	LG-02 89/02/02 BAC/FD
1,1,1-Trichloroethane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
1,1,2,2-Tetrachloroethane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
Trifluoroetnane												
1,1,2-Trichloroethane	<2	<2	<5	<1	<5	<5	<5	<1	<1	<1	<2	<5
1,1-Dichloroethane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
1,1-Dichloroethylene	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene					<1	<1	<1		<1	<1		<5
1,2-Dichloroethane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene					<1	<1	<1		<1	<1		<5
1,4-Dichlorobenzene					<1	<1	<1		<1	<1		<5
2-Chloroethylvinyl ether			<10	<10	<15	<15	<15		<1	<1	<20	<5
2-Hexanone	<20	<20	<10	<10				<10			<20(J)	
4-Methyl-2-Pentanone	<20	<20	<10	<10				<10			<20	
Acetone	<20	<20	<10	<10	<20	<20	<20	<10	<10	<10	<20(J)	<50
Acrolein					<25	<25	<25		<20	<20		<100(J)
Acrylonitrile					<10	<10	<10		<20	<20		<100
Benzene	<2	<2	<5	<1	<2	<1	<2	<1	<1	<1	<2	<5
Bis(chloromethyl)ether												
Bromochloromethane									<1	<1		
Bromodichloromethane	<2	<2	<5	<1	<1	<1	<1	<1			<2	<5
Bromoform	<10	<10	<5	<5	<1	<1	<1	<5	<1	<1	<10	<5(J)
Bromomethane	<20	<20	<10	<10	<1	<1	<1	<10	<1	<1	<20	<5(J)
Carbon Disulfide	<2	<2	<5	<1				<1			<2	
Carbon Tetrachloride	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5(J)
Chlorobenzene	210	180	220	50	40	38	40	68	65	70	240	210
Chloroethane	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<2	<5
Chloroform	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
Chloromethane	<20	<20	<10	<10	<5	<5	<5	<10	<2	<2	<20	<10(J)
Dichloropropene												
cis-1,2-Dichloroethane	<2	<2						<1				
cis-1,3-Dichloropropylene	<2	<2	<5	<1	<5	<5	<5	<1	<1	<1	<2	<5
Cyclohexane												
Dibromochloromethane	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
Dichlorodifluoromethane												
Ethylbenzene	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
Isopropyl Benzene												
Methyl Ethyl Ketone	<20	<20	<10	<10				<10			<20(J)	
Methylene Chloride	<10	<10	<5	<5	<10	<10	<10	<5	<1	<1	<10	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<2	<2	<5	<1				<1			<2	
T-Butyl Benzene												
TDC Benzene								<5				
Tetrachloroethylene	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5(J)
Tetrahydrothiophene												
Toluene	<4	<4	<5	<1	<2	<2	<2	<1	<1	<1	<2	<5
Total 1,2-Dichloroethene			<5									
Total Xylenes	<2	<2	<5	<1				<1			<2	
trans-1,2-Dichloroethylene	<2	<2		<1	<1	<1	<1	<1	<1	<1	<2	<5(J)
trans-1,3-Dichloropropylene	<2	<2	<5	<1	<5	<5	<5	<1	<1	<1	<2	<5
Trichloroethylene	<2	<2	<5	<1	<1	<1	<1	<1	<1	<1	<2	<5
Trichlorofluoromethane			<5		<1	<1	<1		<1	<1		<5(J)
Vinyl Acetate			<10	<10				<10			<20	
Vinyl Chloride	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<2	<5(J)

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LG-02 89/02/02 BAC/ORG
1,1,1-Trichloroethane	<5(J)
1,1,2,2-Tetrachloroethane	<5
Trifluoroethane	
1,1,2-Trichloroethane	<5
1,1-Dichloroethane	<5
1,1-Dichloroethylene	<5
1,2,4-Trimethyl Benzene	
1,2-Dichlorobenzene	<5
1,2-Dichloroethane	<5(J)
1,2-Dichloroethylene	
1,2-Dichloropropane	<5
1,3,5-Trimethyl Benzene	
1,3-Dichlorobenzene	<5
1,4-Dichlorobenzene	<5
2-Chloroethylvinyl ether	<5
2-Hexanone	
4-Methyl-2-Pentanone	
Acetone	<50
Acrolein	<100(J)
Acrylonitrile	<100
Benzene	<5
Bis(chloromethyl)ether	
Bromochloromethane	
Bromodichloromethane	<5(J)
Bromoform	<5(J)
Bromomethane	<5
Carbon Disulfide	
Carbon Tetrachloride	<5(J)
Chlorobenzene	250
Chloroethane	<5
Chloroform	<5
Chloromethane	<10
Dichloropropene	
cis-1,2-Dichloroethene	
cis-1,3-Dichloropropylene	<5
Cyclohexane	
Dibromochloromethane	<5(J)
Dichlorodifluoromethane	
Ethylbenzene	<5
Isopropyl Benzene	
Methyl Ethyl Ketone	
Methylene Chloride	<5
n-Propylbenzene	
Naphthalene	
Propylbenzene	
S-Butyl Benzene	
Styrene	
T-Butyl Benzene	
TDC Benzene	
Tetrachloroethylene	<5
Tetrahydrothiophene	
Toluene	<5
Total 1,2-Dichloroethene	
Total Xylenes	
trans-1,2-Dichloroethylene	<5(J)
trans-1,3-Dichloropropylene	<5(J)
Trichloroethylene	<5
Trichlorofluoromethane	<5(J)
Vinyl Acetate	
Vinyl Chloride	<5(J)

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 90/02/25 ATI/SPT	LW-01 90/02/25 BAC/FD	LW-01 90/02/25 BAC/ORG	LW-01 90/04/19 ATI/SPT	LW-01 90/04/19 BAC/FD	LW-01 90/04/19 BAC/ORG	LW-01 90/12/01 ATI/SPT	LW-01 90/12/01 BAC/FD	LW-01 90/12/01 BAC/ORG	LW-01 92/07/22 ATI/FD	LW-01 92/07/22 ATI/ORG	LW-01 92/07/22 ENCO/SPT
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Trifluoroethane												
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<1	<1		<1	<1		<1	<1			
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<1	<1		<1	<1		<1	<1			
1,4-Dichlorobenzene		<1	<1		<1	<1		<1	<1			
2-Chloroethylvinyl ether	<10	<1	<1	<1	<1	<1		<1	<1			<50
2-Hexanone	<10			<10			<10			<40	<50	<50
4-Methyl-2-Pentanone	<10			<10			<10			<40	<50	<50
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<40	<50	<50
Acrolein		<20	<20		<20	<20		<20	<20			
Acrylonitrile		<20	<20		<20	<20		<20	<20			
Aliphatic Hydrocarbon C10												
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<5	<25
Bromochloromethane		<1	<1		<1	<1						
Bromodichloromethane	<1			<1			<1	<1	<1	<4	<5	<25
Bromoform	<5	<1	<1	<5	<1	<1	<5	<1	<1	<20	<25	<25
Bromomethane	<10	<1	<1	<10	<1	<1	<10	<1	<1	<40	<50	<50
Carbon Disulfide	<1			<1			<1			<4	<5	<25
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Chlorobenzene	2[EP]	<1[EP]	<1[EP]	13	14	12	68	80	70	510	470	520
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20	<25	<50
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Chloromethane	<10	<2	<2	<10	<2	<2	<10	<2	<2	<40	<50	<50
cis-1,2-Dichloroethene							<1			<4	<5	
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Dichlorodifluoromethane												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Isopropyl Benzene												
Methyl Ethyl Ketone	<10			<10			<10			<40	<50	<50
Methylene Chloride	<5	<1	<1	<5	<2	<2	<5	<2	<2	<20	<25	<25
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<1			<1			<1			<4	<5	<25
T-Butyl Benzene												
TOC Benzene	<5			<5			<5					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Toluene	<2	<1	<1	<1	<1	<1	<1	<1	<1	<8	<10	<25
Total 1,2-Dichloroethene												<25
Total Xylenes	<1			<1			<1			<4	<5	<25
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<4	<5	<25
Trichlorofluoromethane		<1	<1		<1	<1		<1	<1			<25
Vinyl Acetate	<10			<10			<10					<50
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20	<25	<50

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 95/11/28 ATI/SPT	LW-01 95/11/28 BAC/ORG	LW-02 90/12/02 ATI/SPT	LW-02 90/12/02 BAC/FD	LW-02 90/12/02 BAC/ORG	LW-02 91/11/22 APPL/SPT	LW-02 91/11/22 ATI/FD	LW-02 91/11/22 ATI/ORG	LW-03 89/12/08 ATI/SPT	LW-03 89/12/08 BAC/FD	LW-03 89/12/08 BAC/ORG	LW-06 91/10/08 APPL/SPT
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,1,2,2-Tetrachloroethane	<2	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Trifluoroethane	<5	<2										
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,1-Dichloroethane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,2,4-Trimethyl Benzene		<1										
1,2-Dichlorobenzene	<5	<1		<1	<1	<5				<1	<1	<5
1,2-Dichloroethane	<1	<0.5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,2-Dichloropropane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
1,3,5-Trimethyl Benzene		<1										
1,3-Dichlorobenzene	<5	<1		<1	<1	<5				<1	<1	<5
1,4-Dichlorobenzene	<5	<1		<1	<1	<5				<1	<1	<5
2-Chloroethylvinyl ether		<5		<1	<1	<10			<10	<1	<1	<10
2-Hexanone	<10	<5	<10				<10	<10	<10			
4-Methyl-2-Pentanone	<10	<5	<10				<10	<10	<10			
Acetone	<10	<20	<10	<10	<10	<100	<20	<20	<10	<10	<10	380
Acrolein				<20	<20					<20	<20	
Acrylonitrile		<50		<20	<20					<20	<20	
Aliphatic Hydrocarbon C10												
Benzene	<1	4.8	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Bromochloromethane												
Bromodichloromethane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Bromoform	<5	<1	<5	<1	<1	<5	<5	<5	<5	<1	<1	<5
Bromomethane	<10	<1	<10	<1	<1	<10	<10	<10	<10	<1	<1	<10
Carbon Disulfide	<2	<2	<1				<1	<1	<1			
Carbon Tetrachloride	<1	<0.5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Chlorobenzene	550	530	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Chloroethane	<5	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<10
Chloroform	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Chloromethane	<10	<1	<10	<2	<2	<10	<10	<10	<10	<2	<2	<10
cis-1,2-Dichloroethene	<1	<1	<1			<5	<1	<1				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Cyclohexane		<5										
Dibromochloromethane	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Dichlorodifluoromethane	<10	<5										
Ethylbenzene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Isopropyl Benzene		<1										
Methyl Ethyl Ketone	<10	<5	<10				<20	<20	<10			
Methylene Chloride	<5	<2	<5	<2	<2	<5	<5	<5	<5	<1	<1	42(EB)
n-Propylbenzene		<1										
Naphthalene		<2										
Propylbenzene		<1										
S-Butyl Benzene		<1										
Styrene	<1	<1	<1				<1	<1	<1			
T-Butyl Benzene		<1										
TDC Benzene			<5						<5			
Tetrachloroethylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Toluene	<2	<1	<1	<1	<1	<5	<2	<2	<1	<1	<1	<5
Total 1,2-Dichloroethene												
Total Xylenes	<1	<3	<1			<5	<1	<1	<1			<5
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Trichloroethylene	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5
Trichlorofluoromethane	<5	<1		<1	<1	<10				<1	<1	<10
Vinyl Acetate		<10	<10				<10	<10	<10			
Vinyl Chloride	<5	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<10

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-06 91/10/08 ATI/FD	LW-06 91/10/08 ATI/ORG
1,1,1-Trichloroethane	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1
Trifluoroethane		
1,1,2-Trichloroethane	<1	<1
1,1-Dichloroethane	<1	<1
1,1-Dichloroethylene	<1	<1
1,2,4-Trimethyl Benzene		
1,2-Dichlorobenzene		
1,2-Dichloroethane	<1	<1
1,2-Dichloropropane	<1	<1
1,3,5-Trimethyl Benzene		
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
2-Chloroethylvinyl ether		
2-Hexanone	<10	<10
4-Methyl-2-Pentanone	<10	<10
Acetone	<20	<20
Acrolein		
Acrylonitrile		
Aliphatic Hydrocarbon C10		
Benzene	<1	<1
Bromochloromethane		
Bromodichloromethane	<1	<1
Bromoform	<5	<5
Bromomethane	<10	<10
Carbon Disulfide	<1	<1
Carbon Tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<10	<10
cis-1,2-Dichloroethene	<1	<1
cis-1,3-Dichloropropylene	<1	<1
Cyclohexane		
Dibromochloromethane	<1	<1
Dichlorodifluoromethane		
Ethylbenzene	<1	<1
Isopropyl Benzene		
Methyl Ethyl Ketone	<20	<20
Methylene Chloride	<5	<5
n-Propylbenzene		
Naphthalene		
Propylbenzene		
S-Butyl Benzene		
Styrene	<1	<1
T-Butyl Benzene		
TDC Benzene		
Tetrachloroethylene	<1	<1
Toluene	<2	<2
Total 1,2-Dichloroethene		
Total Xylenes	<1	<1
trans-1,2-Dichloroethylene	<1	<1
trans-1,3-Dichloropropylene	<1	<1
Trichloroethylene	<1	<1
Trichlorofluoromethane		
Vinyl Acetate	<10	<10
Vinyl Chloride	<1	<1

TABLE D.22
SPLIT SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for volatile organic compounds using EPA Methods 8010, 8240, 8240, or 8260.
Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

< = Less than; numerical value is the limit of detection for this analysis.

APPL = Agricultural and Priority Pollutant Laboratories
ATI = Analytical Tech, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
(E) = Estimated quantity. QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; no QC problem identified.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/OEPA	MW-01 88/10/13 ATI/SPT	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/OEPA	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/18 ATI/SPT	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP
2,4'-DDD						<20	<50	<20	<5(J)			<20	<2	<2		
2,4'-DDE						<20	<25	<10	<5(J)			<20	<2	<2		
2,4'-DDT						<20	<25	<10	<5(J)			<20	<2	<2		
4,4'-DDD	<0.5[EH]	<50	<50	<0.5	<10	<20	<50	<20	<5(J)	<0.53	0.84(J)	<20	<2	<2	360	<100000
4,4'-DDE	<0.5[EH]	<50	<50	<0.5	<10	<20	<25	<10	<5	<0.53	<0.11	<20	<2	<2	45	<10000
4,4'-DDT	17[EH]	<50	<50	<1	17	<20	<25	18[EB]	<5	<0.53	<0.11	<20	<2	<2	2400	140000
Aldrin	4.3[EH]	<25	<25	<0.5	<5	<50				24	18(J)	<50			<5	<50000
alpha-BHC	220[EH]	70	72	230	66	91	49	29	67(J)	<0.27	<0.053(J)	67	68	68	<5	<50000
Alpha-Chlordane										<2.7	<0.53					
alpha-Endosulfan	<0.5[EH]	<25	<25	<0.5	<5	<50				<0.27	<0.053	<50			<5	<50000
beta-BHC	29[EH]	18	18	23	<5	17	69	15	<5	<0.27	<0.053(J)	12	42	43	<5	<50000
beta-Endosulfan	<0.5[EH]	<50	<50	<0.5	<10	<100				<0.53	<0.11(J)	<100			<5	<100000
Chloral	<0.5[EH]															
Chlordane	<3[EH]	<250	<250	<3	<50	<500						<500			<30	<500000
delta-BHC	6.6[EH]	<25	<25	5	8.4	<10	23	16	23	<0.27	<0.053(J)	18	28	29	<5	<50000
Dieldrin	<0.5[EH]	<25	<50	<0.5	<10	<100				<0.53	<0.11	<100			<5	<10000
Endosulfan 1	<0.5[EH]	<25	<25	<0.5	<5	<50				<0.27	<0.053	<50			<5	<50000
Endosulfan 2	<0.5[EH]	<50	<50	<0.5	<10	<100				<0.53	<0.11(J)	<100			<5	<100000
Endosulfan sulfate	<1[EH]	<50	<50	<1	<10	<100				<0.53	<0.11	<100			<10	<100000
Endrin	<1[EH]	<50	<50	<1	<10	<200				9.5	<0.11(J)	<100			<10	<10000
Endrin aldehyde	<1[EH]	<50	<50	<1	<10	<100						<100			<10	<100000
Endrin Ketone		<50	<50		<10					<0.53	<0.11					<100000
gamma-BHC	33[EH]	42	42	28	54	160	94	62	200(J)	<0.27	<0.053	100	150[EP]	160[EP]	<5	<50000
Gamma-Chlordane										<2.7	<0.53					
Heptachlor	<1[EH]	<25	<25	<0.5	<5	<50				<0.27	<0.053	<50			<5	<50000
Heptachlor epoxide	<1[EH]	<25	<25	<0.5	<5	<50				<0.27	<0.053(J)	<50			<5	<50000
Methoxychlor		<250	<250		<50	<500				<2.7	<0.53	<500				<500000
PCB 1016	<10[EH]	<250	<250	<10	<50	<500				<2.7	<0.53	<500			<100	<500000
PCB 1221	<10[EH]	<250	<250	<10	<50	<500				<2.7	<0.53	<500			<100	<500000
PCB 1232	<10[EH]	<250	<250	<10	<50	<500				<2.7	<0.53	<500			<100	<500000
PCB 1242	<10[EH]	<250	<250	<10	<50	<500				<2.7	<0.53	<500			<100	<500000
PCB 1248	<10[EH]	<250	<250	<10	<50	<500				<2.7	<0.53	<500			<100	<500000
PCB 1254	<10[EH]	<500	<500	<10	<100	<500				<5.3	<1.1	<500			<100	<1000000
PCB 1260	<10[EH]	<500	<500	<10	<100	<500				<5.3	<1.1	<500			<100	<1000000
PCB 1262	<10[EH]			<10											<100	
Total BHC						270	240	120	290			200	290	300		
Total DDT						<20	<50	19[EB]	<5			<20	<2	<2		
Toxaphene	<10[EH]	<500	<500	<10	<100	<1000				<5.3	<1.1	<1000			<100	<1000000

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/OEPA	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-04 86/08/13 BAC/ORG
2,4'-DDD						0.027	<0.2	<0.2	<0.05	<0.02	<0.02					<0.5
2,4'-DDE						<0.02	<0.2	<0.1		<0.02	<0.02					<0.5
2,4'-DDT						<0.02	<0.1	<0.1	<0.05	<0.02	<0.02					<0.5
4,4'-DDD	<20000	850	410	1.1	0.38	0.13	<0.2	<0.2	0.13	0.098	0.1	<5	<0.12	3.6	0.15(J)	1
4,4'-DDE	<20000	300	65(J)	<0.5	<0.1	<0.02	<0.1	<0.1	<0.05	<0.02	<0.02	<5	<0.12	<0.5	<0.1	<0.5
4,4'-DDT	<20000	11000	4500	4.6	3	0.048	<0.1	<0.1	<0.05	<0.02	<0.02	38	<0.12	<0.5	1.1	3
Aldrin	<10000	<5	<50	<0.5	<0.05	<0.05			<0.05	<0.05	<0.05	<5	<0.06	<0.5	<0.5	
alpha-BHC	<10000	<5	180	<0.5	0.04(J)	<0.01	<0.08	<0.08	<0.05	<0.01	<0.01	<5	<0.06	<0.5	<0.5	<0.5
Alpha-Chlordane																
alpha-Endosulfan	<10000	<5	<50	<0.5	<0.05	<0.05			<0.05	<0.05	<0.05	<5	<0.06	<0.5	<0.05	
beta-BHC	<10000	<5	<50	<0.5	<0.05	<0.01	<0.08	<0.08	<0.05	<0.01	<0.01	<5	<0.06	<0.5	<0.5	<0.5
beta-Endosulfan	<20000	<5	<100	<0.5	<0.1	<0.1			<0.05	<0.1	<0.1	<5	<0.12	<0.5	<0.1	
Chloral				<100												
Chlordane	<100000	<30	<500	<3	<0.5	<0.5			<0.05	<0.5	<0.5	<30	<0.58	<3	<0.5	
delta-BHC	<10000	<5	<50	<0.5	<0.05	<0.01	<0.08	<0.08	<0.05	<0.01	<0.01	<5	<0.06	<0.5	<0.5	<0.5
Dieldrin	<20000	<5	<100	<0.5	<0.1	<0.1			<0.05	<0.1	<0.1	<5	<0.12	<0.5	<0.1	
Endosulfan 1	<10000	<5	<50	<0.5	<0.05	<0.05			<0.05	<0.05	<0.05	<5	<0.06	<0.5	<0.05	
Endosulfan 2	<20000	<5	<100	<0.5	<0.1	<0.1			<0.05	<0.1	<0.1	<5	<0.12	<0.5	<0.1	
Endosulfan sulfate	<20000	<10	<100	<1	<0.1	<0.1			<0.05	<0.1	<0.1	<10	<0.12	<1	<0.1	
Endrin	<20000	<10	<100	<1	<0.1	<0.2			<0.05	<0.1	<0.1	<10	<0.12	<1	<0.1	
Endrin aldehyde	<20000	<10	<100	<1	<0.1	<0.1			<0.05			<10	<0.12	<1	<0.1	
Endrin Ketone	<20000		<100		<0.1				<0.05	<0.1	<0.1		<0.12		<0.1	
gamma-BHC	<10000	<5	<50	<0.5	<0.05	<0.01	<0.08	<0.08	<0.05	<0.01	<0.01	<5	<0.06	<0.5	<0.5	<0.5
Gamma-Chlordane																
Heptachlor	<10000	<5	<50	<0.5	<0.05	<0.05			<0.05	<0.05	<0.05	<5	<0.06	<0.5	<0.5	
Heptachlor epoxide	<10000	<5	<50	<0.5	<0.05	<0.05			<0.05	<0.05	<0.05	<5	<0.06	<0.5	<0.05	
Methoxychlor	<100000		<500	<10	<0.5	<0.5			<0.05	<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1016	<100000	<100	<500	<10	<0.5	<0.5				<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1221	<100000	<100	<500	<10	<0.5	<0.5				<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1232	<100000	<100	<500	<10	<0.5	<0.5				<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1242	<100000	<100	<500	<10	<0.5	<0.5				<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1248	<100000	<100	<500	<10	<0.5	<0.5				<0.5	<0.5	<100	<0.58	<10	<0.5	
PCB 1254	<200000	<100	<1000	<10	<1	<0.5				<0.5	<0.5	<100	<1.2	<10	<1	
PCB 1260	<200000	<100	<1000	<10	<1	<0.5				<0.5	<0.5	<100	<1.2	<10	<1	
PCB 1262		<100														
Total BHC				<0.5		<0.01	<0.08	<0.08	<0.05	<0.01	<0.01	<5		0.5		<0.5
Total DDT				5.7		0.21	<0.2	<0.2	0.13	0.098	0.1	38		3.6		4
Toxaphene	<200000	<100	<1000	<10	<1	<1			<0.5	<1	<1	<100	<1.2	<10	<1	

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 88/01/19 ATI/SPT	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/07/26 ATI/SPT	MW-04 88/07/26 BAC/FD	MW-04 88/07/26 BAC/ORG	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG
2,4'-DDD	<0.1	<0.01	<0.01	<0.01	<0.1	<0.2	<0.2				<5(J)			<0.2	<0.4	<0.4
2,4'-DDE	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1				<5			<0.2	<0.4	<0.4
2,4'-DDT	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<1				<5(J)			<0.2	<0.4	<0.4
4,4'-DDD	<0.1	<0.01	<0.01	<0.01	<0.1	<0.2	<2	0.91	<10	<10	<5(J)	1.1(J)	0.48(J)	<0.2	<0.4	<0.4
4,4'-DDE	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.5	<10	<10	<5(J)	<0.11	<0.11	<0.2	<0.4	<0.4
4,4'-DDT	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<1	<1	<10	<10	<5	0.39(J)	0.17(J)	<0.2	<0.4	<0.4
Aldrin	<0.05				<0.05			<0.5	<5	<5		0.082(J)	<0.053	<0.5		
alpha-BHC	<0.05	<0.005	<0.005	<0.005	<0.05	<0.08	<0.8	130	76	89	13	<0.053	<0.053	<0.1	<0.4	<0.4
Alpha-Chlordane												<0.53	<0.53			
alpha-Endosulfan	<0.05				<0.05			<0.5	<5	<5		<0.053	<0.053	<0.5		
beta-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	<5	<5	<5	<5(J)	<0.053	<0.053	<0.1	<0.4	<0.4
beta-Endosulfan	<0.1				<0.1			<0.5	<10	<10		<0.11	<0.11	<1		
Chloral								<100								
Chlordane	<0.5				<0.5			<0.5	<50	<50				<5		
delta-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	24	47	58	<5	<0.053	<0.053	0.49	<0.4	<0.4
Dieldrin	<0.1				<0.1			<0.5	<10	<10		<0.11	<0.11	<1		
Endosulfan 1	<0.05				<0.05			<0.5	<5	<5		<0.053	<0.053	<0.5		
Endosulfan 2	<0.1				<0.1			<0.5	<10	<10		<0.11	<0.11	<1		
Endosulfan sulfate	<0.1				<0.1			<1	<10	<10		<0.11	<0.11	<1		
Endrin	<0.1				<0.1			<1	<10	<10		0.15(J)	<0.11	<1		
Endrin aldehyde	<0.1				<0.1			<1	<10	<10						
Endrin Ketone									<10	<10		<0.11	<0.11	<1		
gamma-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.8	14	27	33	<5	2.2	1.7(J)	0.32	<0.4	<0.4
Gamma-Chlordane												<0.53	<0.53			
Heptachlor	<0.05				<0.05			<0.5	<5	<5		0.098(J)	0.068(J)	<0.5		
Heptachlor epoxide	<0.05				<0.05			<0.5	<5	<5		<0.053	<0.053	<0.5		
Methoxychlor	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1016	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1221	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1232	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1242	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1248	<0.5				<0.5			<10	<50	<50		<0.53	<0.53	<5		
PCB 1254	<1				<1			<10	<100	<100		<1.1	<1.1	<5		
PCB 1260	<1				<1			<10	<100	<100		<1.1	<1.1	<5		
PCB 1262																
Total BHC		<0.01	<0.01	<0.01	<0.05	<0.08	<0.8	170			13			0.81	<0.4	<0.4
Total DDT		<0.02	<0.02	<0.02	<0.1	<0.2	<2	0.91			<5			<0.2	<0.4	<0.4
Toxaphene	<1				<1			<10	<100	<100		<1.1	<1.1	<10		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 91/04/25 ATI/SPT	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/RASE	MW-09 89/05/12 WTC/SEPA
2,4'-DDD	<0.4	<0.02	<0.02	<1	<0.8	<0.8	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2		
2,4'-DDE	<0.4	<0.02	<0.02	<1	<0.8	<0.8	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2		
2,4'-DDT	<0.4	<0.02	<0.02	<1	<0.8	<0.8	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2		
4,4'-DDD	<0.4	<0.02(J)	<0.02(J)	<1	<0.8	<0.8	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2	<5.5	<0.11
4,4'-DDE	<0.4	<0.02	<0.02	<1	<0.8	<0.8	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2	<5.5	<0.11
4,4'-DDT	<0.4	<0.02	<0.02	<1	<0.8	<0.8	0.032	0.03[EB]	0.03[EB]	<0.2	<0.2	<0.2	<5.5	<0.11
Aldrin	<1			<2.5			<0.05			<0.5			<2.7	<0.055
alpha-BHC	1.8	<0.02(J)	<0.02(J)	<0.5	<0.8	<0.8	<0.01	<0.02(J)	<0.02(J)	<0.1	<0.2(J)	<0.2(J)	32	<0.055
Alpha-Chlordane													<27	<0.55
alpha-Endosulfan	<1			<2.5			<0.05			<0.5			<2.7	<0.055
beta-BHC	0.57	0.6	0.6	<0.5	<0.8	<0.8	<0.01	<0.02	<0.02	<0.1	<0.2	<0.2	<2.7	<0.055
beta-Endosulfan	<2			<5			<0.1			<1			<5.5	<0.11
Chloral														
Chlordane	<10			<25			<0.5			<5				
delta-BHC	<0.2	0.19	0.19	<0.5	<0.8	<0.8	<0.01	<0.02	<0.02	<0.1	<0.2	<0.2	<2.7	<0.055
Dieldrin	<2			<5			<0.1			<1			<5.5	<0.11
Endosulfan 1	<1			<2.5			<0.05			<0.5			<2.7	<0.055
Endosulfan 2	<2			<5			<0.1			<1			<5.5	<0.11
Endosulfan sulfate	<2			<5			<0.1			<1			<5.5	<0.11
Endrin	<2			<5			<0.1			<1			<5.5	<0.11
Endrin aldehyde	<2									<1				
Endrin Ketone				<5			<0.1						<5.5	<0.11
gamma-BHC	2.7	0.88(J)	0.9(J)	1.2	0.88	0.84	<0.01	<0.02	<0.02	<0.1	<0.2	<0.2	<2.7	<0.055
Gamma-Chlordane													<27	<0.55
Heptachlor	<1			<2.5			<0.05			<0.5			<2.7	<0.055
Heptachlor epoxide	<1			<2.5			<0.05			<0.5			<2.7	<0.055
Methoxychlor	<10			<25			<0.5			<5			<27	<0.55
PCB 1016	<10			<25			<0.5			<5			<27	<0.55
PCB 1221	<10			<25			<0.5			<5			<27	<0.55
PCB 1232	<10			<25			<0.5			<5			<27	<0.55
PCB 1242	<10			<25			<0.5			<5			<27	<0.55
PCB 1248	<10			<25			<0.5			<5			<27	<0.55
PCB 1254	<10			<25			<0.5			<5			<55	<1.1
PCB 1260	<10			<25			<0.5			<5			<55	<1.1
PCB 1262														
Total BHC	5.1	1.7	1.7	1.2	0.88	0.84	<0.01	<0.02	<0.02	<0.1	<0.2	<0.2		
Total DDT	<0.4	<0.02	<0.02	<1	<0.8	<0.8	0.032	0.03[EB]	0.03[EB]	<0.2	<0.2	<0.2		
Toxaphene	<20			<50			<1			<10			<55	<1.1

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-11 90/04/17 ATI/SPT	BF-11 90/04/17 BAC/FD	BF-11 90/04/17 BAC/ORG	BF-13 89/11/06 ATI/SPT	BF-13 89/11/06 BAC/FD	BF-13 89/11/06 BAC/ORG	BF-14 89/10/26 ATI/SPT	BF-14 89/10/26 BAC/FD	BF-14 89/10/26 BAC/ORG	BF-15 89/11/14 ATI/SPT	BF-15 89/11/14 BAC/FD	BF-15 89/11/14 BAC/ORG	BF-16 89/12/19 ATI/SPT	BF-16 89/12/19 BAC/FD	BF-16 89/12/19 BAC/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
2,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
2,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
4,4'-DDD	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
4,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
4,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
Aldrin	<0.05			<0.05			<0.05			<0.05			<0.055		
alpha-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.011	<0.04	<0.04
alpha-Endosulfan	<0.05			<0.05			<0.05			<0.05			<0.055		
beta-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.011	<0.04	<0.04
beta-Endosulfan	<0.1			<0.1			<0.1			<0.1			<0.11		
Chlordane	<0.5			<0.5			<0.5			<0.5			<0.55		
delta-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.011	<0.04	<0.04
Dieldrin	<0.1			<0.1			<0.1			<0.1			<0.11		
Endosulfan 1	<0.05			<0.05			<0.05			<0.05			<0.055		
Endosulfan 2	<0.1			<0.1			<0.1			<0.1			<0.11		
Endosulfan sulfate	<0.1			<0.1			<0.1			<0.1			<0.11		
Endrin	<0.1			<0.1			<0.1			<0.1			<0.11		
Endrin aldehyde															
Endrin Ketone	<0.1			<0.1			<0.1			<0.1			<0.11		
gamma-BHC	0.011	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	0.062	0.07	<0.04	<0.011	<0.04	<0.04
Heptachlor	<0.05			<0.05			<0.05			<0.05			<0.055		
Heptachlor epoxide	<0.05			<0.05			<0.05			<0.05			<0.055		
Methoxychlor	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1016	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1221	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1232	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1242	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1248	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1254	<0.5			<0.5			<0.5			<0.5			<0.55		
PCB 1260	<0.5			<0.5			<0.5			<0.5			<0.55		
Total BHC	0.011	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	0.062	0.07	<0.04	<0.011	<0.04	<0.04
Total DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.022	<0.04	<0.04
Toxaphene	<1			<1			<1			<1			<1.1		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-16 90/08/04 ATI/SPT	BF-16 90/08/04 BAC/FD	BF-16 90/08/04 BAC/ORG	BF-17 89/12/20 ATI/SPT	BF-17 89/12/20 BAC/FD	BF-17 89/12/20 BAC/ORG	BF-17 90/11/29 ATI/SPT	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG	BF-20 91/10/11 APPL/SPT	BF-20 91/10/11 ATI/FD	BF-20 91/10/11 ATI/ORG	BF-21 91/10/17 APPL/SPT	BF-21 91/10/17 ATI/FD	BF-21 91/10/17 ATI/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
2,4'-DDE	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04		<0.02	<0.02		<0.02	<0.02
2,4'-DDT	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDD	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDE	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDT	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
Aldrin	<0.05			<0.065			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
alpha-Endosulfan	<0.05			<0.065			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
beta-Endosulfan	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Chlordane	<0.5			<0.65			<0.5			<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
delta-BHC	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Dieldrin	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan 1	<0.05			<0.065			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan sulfate	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin aldehyde										<0.05			<0.05		
Endrin Ketone	<0.1			<0.13			<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
gamma-BHC	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Heptachlor	<0.05			<0.065			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.05			<0.065			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.5			<0.65			<0.5			<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
PCB 1016	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1221	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1232	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1242	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1248	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1254	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1260	<0.5			<0.65			<0.5				<0.5	<0.5		<0.5	<0.5
Total BHC	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.01	<0.04	<0.04		<0.01	<0.01	<0.05	<0.01	<0.01
Total DDT	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.02	<0.04	<0.04		<0.02	<0.02	<0.05	<0.02	<0.02
Toxaphene	<1			<1.3			<1			<0.5	<1	<1	<0.5	<1	<1

NOTE: See last page of this table for footnotes.

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TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-22 91/10/16 APPL/SPT	BF-22 91/10/16 ATI/FD	BF-22 91/10/16 ATI/ORG	BF-24 91/05/31 APPL/SPT	BF-24 91/05/31 ATI/FD	BF-24 91/05/31 ATI/ORG	BF-29 91/08/08 APPL/SPT	BF-29 91/08/08 ATI/FD	BF-29 91/08/08 ATI/ORG
2,4'-DDD	<0.1	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
2,4'-DDE		<0.02	<0.02		<0.02	<0.02		<0.02	<0.02
2,4'-DDT	<0.1	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDD	<0.1	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDE	<0.1	<0.02	<0.02	0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDT	<0.1	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
Aldrin	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.1	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
alpha-Endosulfan	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.1	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
beta-Endosulfan	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Chlordane	<0.1	<0.5	<0.5	<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
delta-BHC	<0.1	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Dieldrin	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan 1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan sulfate	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin aldehyde	<0.1			<0.05			<0.05		
Endrin Ketone	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
gamma-BHC	<0.1	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Heptachlor	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.1	<0.5	<0.5	<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
PCB 1016		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1221		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1232		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1242		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1248		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1254		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
PCB 1260		<0.5	<0.5		<0.5	<0.5		<0.5	<0.5
Total BHC		<0.01	<0.01	<0.05	<0.01	<0.01		<0.01	<0.01
Total DDT		<0.02	<0.02	0.05	<0.02	<0.02		<0.02	<0.02
Toxaphene	<1	<1	<1	<0.05	<1	<1	<0.5	<1	<1

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG
2,4'-DDD	<4	<0.5(J)	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
2,4'-DDE	<4	<0.5	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
2,4'-DDT	<4	<0.5(J)	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDD	<4	<0.5	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDE	<4	<0.5	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDT	<4	<0.5	<0.05(R)	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
Aldrin	<10			<0.5			<0.5			<0.5			<0.5		
alpha-BHC	12	3	<0.05(R)	<0.1	<0.2	<0.2	<0.1	<2	<0.8	<0.1	<0.8	<0.8	<0.1	<0.4	<0.4
alpha-Endosulfan	<10			<0.5			<0.5			<0.5			<0.5		
beta-BHC	2.7	<0.5(J)	<0.05(R)	0.15	<0.2	<0.2	<0.1	<2	<0.8	<0.1	<0.8	<0.8	<0.1	<0.4	<0.4
beta-Endosulfan	<20			<1			<1			<1			<1		
Chlordane	<100			<5			<5			<5			<5		
delta-BHC	<2	1.1	<0.05(R)	<0.1	<0.2	<0.2	<0.1	<0.04	<0.8	<0.1	<0.04	<0.04	<0.1	<0.4	<0.4
Dieldrin	<20			<1			<1			<1			<1		
Endosulfan 1	<10			<0.5			<0.5			<0.5			<0.5		
Endosulfan 2	<20			<1			<1			<1			<1		
Endosulfan sulfate	<20			<1			<1			<1			<1		
Endrin	<20			<1			<1			<1			<1		
Endrin aldehyde	<20			<1											
Endrin Ketone							<1			<1			<1		
gamma-BHC	20	9.8	<0.05(R)	0.12	<0.2	<0.2	0.11	<2	<0.04	0.11	<0.8	<0.8	0.18	<0.4	<0.4
Heptachlor	<10			<0.5			<0.5			<0.5			<0.5		
Heptachlor epoxide	<10			<0.5			<0.5			<0.5			<0.5		
Methoxychlor	<100			<5			<5			<5			<5		
PCB 1016	<100			<5			<5			<5			<5		
PCB 1221	<100			<5			<5			<5			<5		
PCB 1232	<100			<5			<5			<5			<5		
PCB 1242	<100			<5			<5			<5			<5		
PCB 1248	<100			<5			<5			<5			<5		
PCB 1254	<100			<5			<5			<5			<5		
PCB 1260	<100			<5			<5			<5			<5		
Total BHC	35	14	<0.05[UT]	0.27	<0.2	<0.2	0.11	<2	<0.8	0.11	<0.8	<0.8	0.18	<0.4	<0.4
Total DDT	<4	<0.5	<0.05	<0.2	<0.2	<0.2	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
Toxaphene	<200			<10			<10			<10			<10		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 ATI/SPT	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-16 90/04/16 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG
2,4'-DDD	<0.2	<0.2	<0.02	<0.02	<0.05	<0.05	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
2,4'-DDE	<0.2	<0.2	<0.02	<0.02	<0.05	<0.05	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
2,4'-DDT	<0.2	<0.2	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
4,4'-DDD	<0.2	<0.2	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
4,4'-DDE	<0.2	<0.2	<0.02	<0.02	<0.05	<0.05	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
4,4'-DDT	<0.2	<0.2	<0.02	<0.02	<0.05	<0.05	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
Aldrin	<0.5			<0.05			<0.2			<0.05			<0.05		
alpha-BHC	0.41	0.3	0.21	0.055	<0.05	<0.05	0.29	0.36	0.49	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
alpha-Endosulfan	<0.5			<0.05			<0.2			<0.05			<0.05		
beta-BHC	0.15	<0.2	0.18	0.015	<0.05(J)	<0.05(J)	0.13	0.52[EP]	<0.04[EP]	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
beta-Endosulfan	<1			<0.1			<0.4			<0.1			<0.1		
Chlordane	<5			<0.5			<2			<0.5			<0.5		
delta-BHC	<0.1	<0.2	0.08	<0.01	<0.05	<0.05	0.051	0.13[EA]	0.17[EA]	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
Dieldrin	<1			<0.1			<0.4			<0.1			<0.1		
Endosulfan 1	<0.5			<0.05			<0.2			<0.05			<0.05		
Endosulfan 2	<1			<0.1			<0.4			<0.1			<0.1		
Endosulfan sulfate	<1			<0.1			<0.4			<0.1			<0.1		
Endrin	<1			<0.1			<0.4			<0.1			<0.1		
Endrin aldehyde	<1			<0.1											
Endrin Ketone							<0.4			<0.1			<0.1		
gamma-BHC	0.1	0.2	0.17	<0.01	<0.05	<0.05	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
Heptachlor	<0.5			<0.05			<0.2			<0.05			<0.05		
Heptachlor epoxide	<0.5			<0.05			<0.2			<0.05			<0.05		
Methoxychlor	<5			<0.5			<2			<0.5			<0.5		
PCB 1016	<5			<0.5			<2			<0.5			<0.5		
PCB 1221	<5			<0.5			<2			<0.5			<0.5		
PCB 1232	<5			<0.5			<2			<0.5			<0.5		
PCB 1242	<5			<0.5			<2			<0.5			<0.5		
PCB 1248	<5			<0.5			<2			<0.5			<0.5		
PCB 1254	<5			<0.5			<2			<0.5			<0.5		
PCB 1260	<5			<0.5			<2			<0.5			<0.5		
Total BHC	0.68	0.5	0.62	0.07	<0.05	<0.05	0.47	1	0.68	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
Total DDT	<0.2	<0.2	<0.02	<0.02	<0.05	<0.05	<0.08	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04
Toxaphene	<10			<1			<4			<1			<1		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/08/06 ATI/SPT	MW-20 90/08/06 BAC/FD	MW-20 90/08/06 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD	MW-25 90/02/22 BAC/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04
2,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04
2,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04
4,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	0.18	<0.04	<0.04	<0.2	<0.4	<0.04
4,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04
4,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04
Aldrin	<0.05				<0.06			<0.05			<0.5			<0.5		
alpha-BHC	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.01	<0.04	<0.04	<0.1	<0.04	<0.4	<0.1	<0.4	<0.4
alpha-Endosulfan	<0.05				<0.06			<0.05			<0.5			<0.5		
beta-BHC	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.01	<0.04	<0.04	<0.1	0.1	0.1	<0.1	<0.4	<0.04
beta-Endosulfan	<0.1				<0.12			<0.1			<1			<1		
Chlordane	<0.5				<0.6			<0.5			<5			<5		
delta-BHC	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.01	<0.04	<0.04	<0.1	<0.04	<0.04	<0.1	<0.4	<0.04
Dieldrin	<0.1				<0.12			<0.1			<1			<1		
Endosulfan 1	<0.05				<0.06			<0.05			<0.5			<0.5		
Endosulfan 2	<0.1				<0.12			<0.1			<1			<1		
Endosulfan sulfate	<0.1				<0.12			<0.1			<1			<1		
Endrin	<0.1				<0.12			<0.1			<1			<1		
Endrin aldehyde																
Endrin Ketone	<0.1				<0.12			<0.1			<1			<1		
gamma-BHC	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.01	<0.04	<0.04	<0.1	0.2	0.2	0.15	<0.2	<0.2
Heptachlor	<0.05				<0.06			<0.05			<0.5			<0.5		
Heptachlor epoxide	<0.05				<0.06			<0.05			<0.5			<0.5		
Methoxychlor	<0.5				<0.6			<0.5			<5			<5		
PCB 1016	<0.5				<0.6			<0.5			<5			<5		
PCB 1221	<0.5				<0.6			<0.5			<5			<5		
PCB 1232	<0.5				<0.6			<0.5			<5			<5		
PCB 1242	<0.5				<0.6			<0.5			<5			<5		
PCB 1248	<0.5				<0.6			<0.5			<5			<5		
PCB 1254	<0.5				<0.6			<0.5			<5			<5		
PCB 1260	<0.5				<0.6			<0.5			<5			<5		
Total BHC	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.01	<0.04	<0.04	<0.1	0.3	0.3	0.15	<0.2	<0.2
Total DDT	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.02	<0.04	<0.04	0.18	<0.04	<0.04	<0.2	<0.4	<0.04
Toxaphene	<1				<1.2			<1			<10			<10		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD	MW-27 91/10/09 ATI/ORG	MW-30 91/10/03 APPL/SPT	MW-30 91/10/03 ATI/FD	MW-30 91/10/03 ATI/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
2,4'-DDE	<0.02	<0.04	<0.04		<0.02	<0.02		<0.02	<0.02
2,4'-DDT	<0.02	<0.04	<0.04	0.18	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDD	<0.02	<0.04	<0.04	0.1	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDE	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDT	<0.02	<0.04	<0.04	0.74	<0.02	<0.02	<0.05	<0.02	<0.02
Aldrin	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
alpha-Endosulfan	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
beta-Endosulfan	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Chlordane	<0.5			<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
delta-BHC	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Dieldrin	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan 1	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan sulfate	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin aldehyde				<0.05			<0.05		
Endrin Ketone	<0.1			<0.05	<0.1	<0.1	<0.05	<0.1	<0.1
gamma-BHC	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Heptachlor	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.5			<0.05	<0.5	<0.5	<0.05	<0.5	<0.5
PCB 1016	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1221	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1232	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1242	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1248	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1254	<0.5				<0.5	<0.5		<0.5	<0.5
PCB 1260	<0.5				<0.5	<0.5		<0.5	<0.5
Total BHC	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01
Total DDT	<0.02	<0.04	<0.04	1.02	<0.02	<0.02	<0.05	<0.02	<0.02
Toxaphene	<1			2.4	<1	<1	<0.5	<1	<1

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 88/04/19 ATI/SPT	BF-01 88/04/19 BAC/FD	BF-01 88/04/19 BAC/LD	BF-01 88/04/19 BAC/ORG	BF-01 88/07/27 ATI/SPT	BF-01 88/07/27 BAC/FD	BF-01 88/07/27 BAC/ORG	BF-01 89/11/18 ATI/SPT	BF-01 89/11/18 BAC/FD	BF-01 89/11/18 BAC/ORG	BF-03 88/01/20 ATI/SPT	BF-03 88/01/20 BAC/FD	BF-03 88/01/20 BAC/ORG	BF-03 88/10/14 ATI/SPT	BF-03 88/10/14 BAC/FD
2,4'-DDD	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.02	<0.04	<0.2	<0.5	<0.01	<0.01	<0.06	<20
2,4'-DDE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04	<0.2	<0.5	<0.01	<0.01	<0.06	<10
2,4'-DDT	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04	<0.2	<0.5	<0.02	<0.02	0.074	<10
4,4'-DDD	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.02	<0.04	0.18	<0.5	0.47	0.36	0.25	<20
4,4'-DDE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04	<0.2	<0.5	<0.01	<0.01	<0.06	<10
4,4'-DDT	<0.1	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04	<0.2	<0.5	0.56	0.31	0.31	43[UT]
Aldrin	<0.05				<0.05			<0.05			<0.25			<0.15	
alpha-BHC	0.13	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<0.01	<0.04	<0.2	0.36	<0.005	<0.005	0.5	<8
Alpha-Chlordane															
alpha-Endosulfan	<0.05				<0.05			<0.05			<0.25			<0.15	
beta-BHC	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<0.01	<0.04	<0.2	<0.25	0.08	0.07	<0.03	<8
beta-Endosulfan	<0.1				<0.1			<0.1			<0.5			<0.3	
Chlordane	<0.5				<0.5			<0.5			<2.5			<1.5	
delta-BHC	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<0.01	<0.04	<0.2	<0.25	<0.01	<0.01	<0.03	<8
Dieldrin	<0.1				<0.1			<0.1			<0.5			<0.3	
Endosulfan 1	<0.05				<0.05			<0.05			<0.25			<0.15	
Endosulfan 2	<0.1				<0.1			<0.1			<0.5			<0.3	
Endosulfan sulfate	<0.1				<0.1			<0.1			<0.5			<0.3	
Endrin	<0.1				<0.1			<0.1			<0.5			<0.3	
Endrin aldehyde	<0.1				<0.1						<0.5			<0.3	
Endrin Ketone								<0.1							
gamma-BHC	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<0.01	<0.04	<0.2	<0.25	<0.01	<0.01	0.083	<8
Gamma-Chlordane															
Heptachlor	<0.05				<0.05			<0.05			<0.25			<0.15	
Heptachlor epoxide	<0.05				<0.05			<0.05			<0.25			<0.15	
Methoxychlor	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1016	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1221	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1232	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1242	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1248	<0.5				<0.5			<0.5			<2.5			<1.5	
PCB 1254	<1				<1			<0.5			<5			<1.5	
PCB 1260	<1				<1			<0.5			<5			<1.5	
Total BHC	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<0.01	<0.04	<0.2		0.08	0.07	0.58	<8
Total DDT	<0.1	<0.2	0.23	<0.2	<0.1	<0.2	<0.2	<0.02	<0.04	0.18		1.03	0.67	0.63	43[UT]
Toxaphene	<1				<1			<1			<5			<3	

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-03 88/10/14 BAC/ORG	BF-04 88/04/21 ATI/SPT	BF-04 88/04/21 BAC/FD	BF-04 88/04/21 BAC/LD	BF-04 88/04/21 BAC/ORG	BF-04 91/11/19 APPL/SPT	BF-04 91/11/19 ATI/FD	BF-04 91/11/19 ATI/ORG	BF-05 89/02/08 SWL/SEPA	BF-05 89/02/07 ATI/SPT	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG	BF-05 89/10/25 ATI/SPT	BF-05 89/10/25 BAC/FD	BF-05 89/10/25 BAC/ORG
2,4'-DDD	<10	<5	0.59	1.1	0.8	0.89	0.97	0.97		<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDE	<5	<5	<0.1	<0.1	<0.1		<0.2	<0.2		<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
2,4'-DDT	<5	<5	<0.1	<0.1	<0.1	0.09	<0.2	<0.2		<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDD	<10	<5	0.8	1.2	1.2	1	<0.2	<0.2	<0.1	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDE	<5	<5	<0.1	<0.1	<0.1	<0.05	<0.2	<0.2	<0.1	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDT	23[UT]	<5	<0.1	<0.1	<0.1	<0.05	<0.2	<0.2	<0.1	<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
Aldrin		<2.5				<0.05	<0.5	<0.5	<0.052	<0.05			<0.05		
alpha-BHC	<4	4.3	<0.08	<0.08	<0.08	<0.05	<0.1	<0.1	<0.052	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Alpha-Chlordane									<0.52						
alpha-Endosulfan		<2.5				0.43	<0.5	<0.5	<0.052	<0.05			<0.05		
beta-BHC	<4	<2.5	<0.08	<0.08	<0.08	<0.05	<0.1	<0.1	<0.052	<0.01	<0.05(J)	<0.05(J)	<0.01	<0.04	<0.04
beta-Endosulfan		<5				<0.05	<1	<1	<0.1	<0.1			<0.1		
Chlordane		<25				<0.05	<5	<5		<0.5			<0.5		
delta-BHC	<4	<2.5	<0.08	<0.08	<0.08	<0.05	<0.1	<0.1	<0.052	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Dieldrin		<5				<0.05	<1	<1	<0.1	<0.1			<0.1		
Endosulfan 1		<2.5				0.43	<0.5	<0.5	<0.052	<0.05			<0.05		
Endosulfan 2		<5				<0.05	<1	<1	<0.1	<0.1			<0.1		
Endosulfan sulfate		<5				<0.05	<1	<1	<0.1	<0.1			<0.1		
Endrin		<5				<0.05	<1	<1	<0.1	<0.1			<0.1		
Endrin aldehyde		<5				<0.05				<0.1					
Endrin Ketone						<0.05	<1	<1	<0.1				<0.1		
gamma-BHC	<4	<2.5	<0.08	<0.08	<0.08	0.09	0.11	0.1	<0.052	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Gamma-Chlordane									<0.52						
Heptachlor		<2.5				<0.05	<0.5	<0.5	<0.052	<0.05			<0.05		
Heptachlor epoxide		<2.5				<0.05	<0.5	<0.5	<0.052	<0.05			<0.05		
Methoxychlor		<25				<0.05	<5	<5	<0.52	<0.5			<0.5		
PCB 1016		<25					<5	<5	<0.52	<0.5			<0.5		
PCB 1221		<25					<5	<5	<0.52	<0.5			<0.5		
PCB 1232		<25					<5	<5	<0.52	<0.5			<0.5		
PCB 1242		<25					<5	<5	<0.52	<0.5			<0.5		
PCB 1248		<25					<5	<5	<0.52	<0.5			<0.5		
PCB 1254		<50					<5	<5	<1	<0.5			<0.5		
PCB 1260		<50					<5	<5	<1	<0.5			<0.5		
Total BHC	<4	4.3[UT]	<0.08	<0.08	<0.08	0.09	0.11	0.1		<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Total DDT	23[UT]	<5	1.39	2.3	2.1	1.98	0.97	0.97		<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
Toxaphene		<50				<0.5	<10	<10	<1	<1			<1		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-06 89/02/01 ATI/SPT	BF-06 89/02/01 BAC/FD	BF-06 89/02/01 BAC/ORG	BF-07 90/02/24 ATI/SPT	BF-07 90/02/24 BAC/FD	BF-07 90/02/24 BAC/ORG	BF-08 89/02/06 ATI/SPT	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG	BF-09 89/05/18 ATI/SPT	BF-09 89/05/18 BAC/FD	BF-09 89/05/18 BAC/ORG
2,4'-DDD	<0.1	<0.02(J)	<0.02(J)	<0.1	<0.04[E]	<0.04[E]	<0.02	<0.05(J)	<0.05(J)	5.4	<0.2	<0.2
2,4'-DDE	<0.1	<0.02	<0.02	<0.1	<0.04[E]	<0.04[E]	<0.02	<0.05(J)	<0.05(J)	<0.4	<0.2	<0.2
2,4'-DDT	<0.1	<0.02	<0.02	<0.1	<0.04[E]	<0.04[E]	0.025	<0.05(J)	<0.05(J)	3.2	<0.2	<0.2
4,4'-DDD	<0.1	<0.02(J)	<0.02(J)	<0.1	<0.04[E]	<0.04[E]	0.04	<0.05(J)	<0.05(J)	10	3	8.4
4,4'-DDE	<0.1	<0.02(J)	<0.02(J)	<0.1	<0.04[E]	<0.04[E]	<0.02	<0.05	<0.05	1.1	0.3	0.7
4,4'-DDT	<0.1	<0.02(J)	<0.02(J)	<0.1	<0.04[E]	<0.04[E]	0.038	<0.05	<0.05	1.9	0.8	1.3
Aldrin	<0.25			<0.25			<0.05			<1		
alpha-BHC	0.26	0.16[EA]	0.14[EA]	<0.05	<0.4[E]	<0.4[E]	<0.01	<0.05(J)	<0.05(J)	<0.2	<0.2	<0.2
Alpha-Chlordane												
alpha-Endosulfan	<0.25			<0.25			<0.05			<1		
beta-BHC	0.09	<0.02	<0.02	<0.05	0.1[E]	0.1[E]	<0.01	<0.05	<0.05	<0.2	<0.2	<0.2
beta-Endosulfan	<0.5			<0.5			<0.1			<2		
Chlordane	<2.5			<2.5			<0.5			<10		
delta-BHC	<0.05	<0.02	<0.02	<0.05	<0.04[E]	<0.04[E]	<0.01	<0.05	<0.05	<0.2	<0.2	<0.2
Dieldrin	<0.5			<0.5			<0.1			<2		
Endosulfan 1	<0.25			<0.25			<0.05			<1		
Endosulfan 2	<0.5			<0.5			<0.1			<2		
Endosulfan sulfate	<0.5			<0.5			<0.1			<2		
Endrin	<0.5			<0.5			<0.1			<2		
Endrin aldehyde	<0.5						<0.1			<2		
Endrin Ketone				<0.5								
gamma-BHC	0.36	0.78	0.66	0.06	<0.04[E]	<0.04[E]	0.018	<0.05	<0.05	<0.2	<0.2	<0.2
Gamma-Chlordane												
Heptachlor	<0.25			<0.25			<0.05			<1		
Heptachlor epoxide	<0.25			<0.25			<0.05			<1		
Methoxychlor	<2.5			<2.5			<0.5			<10		
PCB 1016	<2.5			<2.5			<0.5			<10		
PCB 1221	<2.5			<2.5			<0.5			<10		
PCB 1232	<2.5			<2.5			<0.5			<10		
PCB 1242	<2.5			<2.5			<0.5			<10		
PCB 1248	<2.5			<2.5			<0.5			<10		
PCB 1254	<2.5			<2.5			<0.5			<10		
PCB 1260	<2.5			<2.5			<0.5			<10		
Total BHC	0.73	0.94	0.8	0.06	0.1[E]	0.1[E]	0.018	<0.05	<0.05	<0.2	<0.2	<0.2
Total DDT	<0.1	<0.02	<0.02	<0.1	<0.04[E]	<0.04[E]	0.1	<0.05	<0.05	22	3.9	8.4
Toxaphene	<5			<5			<1			<20		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 88/01/19 ATI/SPT	G-03 88/01/19 BAC/FD	G-03 88/01/19 BAC/LD	G-03 88/01/19 BAC/ORG	G-03 88/07/25 ATI/SPT	G-03 88/07/25 BAC/FD	G-03 88/07/25 BAC/ORG	G-04 91/11/21 APPL/SPT	G-04 91/11/21 ATI/FD	G-04 91/11/21 ATI/ORG	G-05 89/02/08 ATI/SPT	G-05 89/02/08 BAC/FD	G-05 89/02/08 BAC/ORG	G-05 90/04/21 ATI/SPT	G-05 90/04/21 BAC/FD	G-05 90/04/21 BAC/ORG
2,4'-DDD	<0.1	<0.01	<0.01	<0.01	<0.1	<0.2	<0.2	<0.05	<0.02	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDE	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1		<0.02	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDT	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.05	<0.02	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDD	<0.1	<0.01	<0.01	<0.01	<0.1	<0.2	<0.2	<0.05	<0.02	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDE	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.05	<0.02	<0.02	<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
4,4'-DDT	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.05	<0.02	<0.02	<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
Aldrin	<0.05				<0.05			<0.05	<0.05	<0.05	<0.05			<0.05		
alpha-BHC	<0.05	<0.005	<0.005	<0.005	<0.05	<0.08	<0.08	<0.05	<0.01	<0.01	<0.01	<0.05(J)	<0.05(J)	<0.01	<0.04[EA]	<0.04[EA]
Alpha-Chlordane																
alpha-Endosulfan	<0.05				<0.05			<0.05	<0.05	<0.05	<0.05			<0.05		
beta-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
beta-Endosulfan	<0.1				<0.1			<0.05	<0.1	<0.1	<0.1			<0.1		
Chlordane	<0.5				<0.5			<0.05	<0.5	<0.5	<0.5			<0.5		
delta-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Dieldrin	<0.1				<0.1			<0.05	<0.1	<0.1	<0.1			<0.1		
Endosulfan 1	<0.05				<0.05			<0.05	<0.05	<0.05	<0.05			<0.05		
Endosulfan 2	<0.1				<0.1			<0.05	<0.1	<0.1	<0.1			<0.1		
Endosulfan sulfate	<0.1				<0.1			<0.05	<0.1	<0.1	<0.1			<0.1		
Endrin	<0.1				<0.1			<0.05	<0.1	<0.1	<0.1			<0.1		
Endrin aldehyde	<0.1				<0.1			<0.05			<0.1					
Endrin Ketone								<0.05	<0.1	<0.1				<0.1		
gamma-BHC	<0.05	<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Gamma-Chlordane																
Heptachlor	<0.05				<0.05			<0.05	<0.05	<0.05	<0.05			<0.05		
Heptachlor epoxide	<0.05				<0.05			<0.05	<0.05	<0.05	<0.05			<0.05		
Methoxychlor	<0.5				<0.5			<0.05	<0.5	<0.5	<0.5			<0.5		
PCB 1016	<0.5				<0.5				<0.5	<0.5	<0.5			<0.5		
PCB 1221	<0.5				<0.5				<0.5	<0.5	<0.5			<0.5		
PCB 1232	<0.5				<0.5				<0.5	<0.5	<0.5			<0.5		
PCB 1242	<0.5				<0.5				<0.5	<0.5	<0.5			<0.5		
PCB 1248	<0.5				<0.5				<0.5	<0.5	<0.5			<0.5		
PCB 1254	<1				<1				<0.5	<0.5	<0.5			<0.5		
PCB 1260	<1				<1				<0.5	<0.5	<0.5			<0.5		
Total BHC		<0.01	<0.01	<0.01	<0.05	<0.08	<0.08	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.04	<0.04
Total DDT		<0.02	<0.02	<0.02	<0.1	<0.2	<0.2	<0.05	<0.02	<0.02	<0.02	<0.05	<0.05	<0.02	<0.04	<0.04
Toxaphene	<1				<1			<0.5	<1	<1	<1			<1		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-07 89/01/30 ATI/SPT	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/02/06 SWL/SEPA	G-08 90/01/10 ATI/SPT	G-08 90/01/10 BAC/FD	G-08 90/01/10 BAC/ORG	G-09 90/08/05 ATI/SPT	G-09 90/08/05 BAC/FD	G-09 90/08/05 BAC/ORG	G-11 90/02/23 ATI/SPT	G-11 90/02/23 BAC/FD	G-11 90/02/23 BAC/ORG	G-12 89/10/27 ATI/SPT	G-12 89/10/27 BAC/FD
2,4'-DDD	0.24	<0.05	<0.05	<0.05(J)		<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04
2,4'-DDE	<0.02	<0.05	<0.05	<0.05(J)		<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04
2,4'-DDT	0.043	<0.05(J)	<0.05(J)	<0.05(J)		<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04
4,4'-DDD	0.42	0.46(J)	0.45(J)	<0.05(J)	0.67	<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	0.31	<0.04	<0.02	<0.04
4,4'-DDE	<0.02	<0.05	<0.05	<0.05	<0.1	<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04
4,4'-DDT	0.086	0.08	0.05	<0.05	<0.1	<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04
Aldrin	<0.05				<0.05	<0.054			<0.55			<0.05			<0.05	
alpha-BHC	<0.01	<0.05	<0.05	<0.05(J)	<0.05	<0.011	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01	0.04	<0.04	<0.01	<0.04
Alpha-Chlordane					<0.5											
alpha-Endosulfan	<0.05				<0.05	<0.054			<0.055			<0.05			<0.05	
beta-BHC	<0.01	<0.05	<0.05	<0.05	<0.05	<0.011	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04
beta-Endosulfan	<0.1				<0.1	<0.11			<0.11			<0.1			<0.1	
Chlordane	<0.5					<0.54			<0.55			<0.5			<0.5	
delta-BHC	<0.01	<0.05	<0.05	<0.05	<0.05	<0.011	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04
Dieldrin	<0.1				<0.1	<0.11			<0.11			<0.1			<0.1	
Endosulfan 1	<0.05				<0.05	<0.054			<0.055			<0.05			<0.05	
Endosulfan 2	<0.1				<0.1	<0.11			<0.11			<0.1			<0.1	
Endosulfan sulfate	<0.1				<0.1	<0.11			<0.11			<0.1			<0.1	
Endrin	<0.1				<0.1	<0.11			<0.11			<0.1			<0.1	
Endrin aldehyde	<0.1															
Endrin Ketone					<0.1	<0.11			<0.11			<0.1			<0.1	
gamma-BHC	<0.01	<0.05	<0.05	<0.05	<0.05	<0.011	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04(EA)
Gamma-Chlordane					<0.5											
Heptachlor	<0.05				<0.05	<0.054			<0.055			<0.05			<0.05	
Heptachlor epoxide	<0.05				<0.05	<0.054			<0.055			<0.05			<0.05	
Methoxychlor	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1016	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1221	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1232	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1242	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1248	<0.5				<0.5	<0.54			<0.55			<0.5			<0.5	
PCB 1254	<0.5				<1	<0.54			<0.55			<0.5			<0.5	
PCB 1260	<0.5				<1	<0.54			<0.55			<0.5			<0.5	
Total BHC	<0.01	<0.05	<0.05	<0.05		<0.011	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01	0.04	<0.04	<0.01	<0.04
Total DDT	0.79	0.54	0.5	<0.05		<0.022	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02	0.31[UT]	<0.04	<0.02	<0.04
Toxaphene	<1				<1	<1.1			<1.1			<1			<1	

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-12 89/10/27 BAC/ORG	G-13 89/11/15 ATI/SPT	G-13 89/11/15 BAC/FD	G-13 89/11/15 BAC/ORG	G-13 90/11/30 ATI/SPT	G-13 90/11/30 BAC/FD	G-13 90/11/30 BAC/ORG	G-19 91/10/10 APPL/SPT	G-19 91/10/10 ATI/FD	G-19 91/10/10 ATI/ORG	LG-01 88/04/20 ATI/SPT	LG-01 88/04/20 BAC/FD	LG-01 88/04/20 BAC/LD	LG-01 88/04/20 BAC/ORG	LG-01 90/08/03 ATI/SPT	LG-01 90/08/03 BAC/ORG
2,4'-DDD	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.1	<0.2	<0.2	<0.2	<0.02	<0.04
2,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04		<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04
2,4'-DDT	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04
4,4'-DDD	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.1	<0.2	<0.2	<0.2	<0.02	<0.04
4,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04
4,4'-DDT	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	0.07	<0.02	<0.02	<0.1	<0.1	1.7	<0.1	<0.02	<0.04
Aldrin		<0.05			<0.05			<0.05	<0.05	<0.05	<0.05				<0.05	
alpha-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.01	<0.04
Alpha-Chlordane																
alpha-Endosulfan		<0.05			<0.05			<0.05	<0.05	<0.05	<0.05				<0.05	
beta-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.01	<0.04
beta-Endosulfan		<0.1			<0.1			<0.05	<0.1	<0.1	<0.1				<0.1	
Chlordane		<0.5			<0.5			<0.05	<0.5	<0.5	<0.5				<0.5	
delta-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.01	<0.04
Dieldrin		<0.1			<0.1			<0.05	<0.1	<0.1	<0.1				<0.1	
Endosulfan 1		<0.05			<0.05			<0.05	<0.05	<0.05	<0.05				<0.05	
Endosulfan 2		<0.1			<0.1			<0.05	<0.1	<0.1	<0.1				<0.1	
Endosulfan sulfate		<0.1			<0.1			<0.05	<0.1	<0.1	<0.1				<0.1	
Endrin		<0.1			<0.1			<0.05	<0.1	<0.1	<0.1				<0.1	
Endrin aldehyde								<0.05			<0.1					
Endrin Ketone		<0.1			<0.1			<0.05	<0.1	<0.1					<0.1	
gamma-BHC	<0.04[EA]	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.05	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.01	<0.04
Gamma-Chlordane																
Heptachlor		<0.05			<0.05			<0.05	<0.05	<0.05	<0.05				<0.05	
Heptachlor epoxide		<0.05			<0.05			<0.05	<0.05	<0.05	<0.05				<0.05	
Methoxychlor		<0.5			<0.5			<0.05	<0.5	<0.5	<0.5				<0.5	
PCB 1016		<0.5			<0.5				<0.5	<0.5	<0.5				<0.5	
PCB 1221		<0.5			<0.5				<0.5	<0.5	<0.5				<0.5	
PCB 1232		<0.5			<0.5				<0.5	<0.5	<0.5				<0.5	
PCB 1242		<0.5			<0.5				<0.5	<0.5	<0.5				<0.5	
PCB 1248		<0.5			<0.5				<0.5	<0.5	<0.5				<0.5	
PCB 1254		<0.5			<0.5				<0.5	<0.5	<1				<0.5	
PCB 1260		<0.5			<0.5				<0.5	<0.5	<1				<0.5	
Total BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04		<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.01	<0.04
Total DDT	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04		<0.02	<0.02	<0.1	<0.2	1.7	<0.2	<0.02	<0.04
Toxaphene		<1			<1			<0.5	<1	<1	<1				<1	

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LG-02 89/02/02 ATI/SPT	LG-02 89/02/02 BAC/FD	LG-02 89/02/02 BAC/ORG
2,4'-DDD	0.03	<0.5(J)	<0.5(J)
2,4'-DDE	<0.02	<0.5	<0.5
2,4'-DDT	<0.02	<0.5(J)	<0.5(J)
4,4'-DDD	0.052	<0.5	<0.5
4,4'-DDE	<0.02	<0.5	<0.5
4,4'-DDT	<0.02	<0.5	<0.5
Aldrin	<0.05		
alpha-BHC	<0.01	<0.5	<0.5
Alpha-Chlordane			
alpha-Endosulfan	<0.05		
beta-BHC	<0.01	<0.5(J)	<0.5(J)
beta-Endosulfan	<0.1		
Chlordane	<0.5		
delta-BHC	<0.01	<0.5	<0.5
Dieldrin	<0.1		
Endosulfan 1	<0.05		
Endosulfan 2	<0.1		
Endosulfan sulfate	<0.1		
Endrin	<0.1		
Endrin aldehyde	<0.1		
Endrin Ketone			
gamma-BHC	<0.01	<0.5	<0.5
Gamma-Chlordane			
Heptachlor	<0.05		
Heptachlor epoxide	<0.05		
Methoxychlor	<0.5		
PCB 1016	<0.5		
PCB 1221	<0.5		
PCB 1232	<0.5		
PCB 1242	<0.5		
PCB 1248	<0.5		
PCB 1254	<0.5		
PCB 1260	<0.5		
Total BHC	<0.01	<0.5	<0.5
Total DDT	0.082	<0.5	<0.5
Toxaphene	<1		

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 89/11/17 ATI/SPT	LW-01 89/11/17 BAC/FD	LW-01 89/11/17 BAC/ORG	LW-01 90/02/25 ATI/SPT	LW-01 90/02/25 BAC/FD	LW-01 90/02/25 BAC/ORG	LW-01 90/04/19 ATI/SPT	LW-01 90/04/19 BAC/FD	LW-01 90/04/19 BAC/ORG	LW-01 90/12/01 ATI/SPT	LW-01 90/12/01 BAC/FD	LW-01 90/12/01 BAC/ORG	LW-02 90/12/02 ATI/SPT	LW-02 90/12/02 BAC/FD	LW-02 90/12/02 BAC/ORG	LW-03 89/12/08 ATI/SPT
2,4'-DDD	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
2,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
2,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
4,4'-DDD	0.027	<0.04	<0.04	<0.02	<0.04	<0.04	0.027	<0.04	<0.04	0.029	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
4,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
4,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
Aldrin	<0.05			<0.05			<0.05			<0.05			<0.05			<0.05
alpha-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04[EA]	<0.04[EA]	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01
alpha-Endosulfan	<0.05			<0.05			<0.05			<0.05			<0.05			<0.05
beta-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01
beta-Endosulfan	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
Chlordane	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
delta-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01
Dieldrin	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
Endosulfan 1	<0.05			<0.05			<0.05			<0.05			<0.05			<0.05
Endosulfan 2	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
Endosulfan sulfate	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
Endrin	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
Endrin aldehyde																
Endrin Ketone	<0.1			<0.1			<0.1			<0.1			<0.1			<0.1
gamma-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01
Heptachlor	<0.05			<0.05			<0.05			<0.05			<0.05			<0.05
Heptachlor epoxide	<0.05			<0.05			<0.05			<0.05			<0.05			<0.05
Methoxychlor	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1016	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1221	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1232	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1242	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1248	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1254	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
PCB 1260	<0.5			<0.5			<0.5			<0.5			<0.5			<0.5
Total BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01
Total DDT	0.027	<0.04	<0.04	<0.02	<0.04	<0.04	0.027	<0.04	<0.04	0.029	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02
Toxaphene	<1			<1			<1			<1			<1			<1

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-03 89/12/08 BAC/FD	LW-03 89/12/08 BAC/ORG	LW-06 91/10/08 APPL/SPT	LW-06 91/10/08 ATI/FD	LW-06 91/10/08 ATI/ORG
2,4'-DDD	<0.04	<0.04	<0.05	<0.02	<0.02
2,4'-DDE	<0.04	<0.04		<0.02	<0.02
2,4'-DDT	<0.04	<0.04	<0.05	<0.02	<0.02
4,4'-DDD	<0.04	<0.04	<0.05	<0.02	<0.02
4,4'-DDE	<0.04	<0.04	<0.05	<0.02	<0.02
4,4'-DDT	<0.04	<0.04	<0.05	<0.02	<0.02
Aldrin			<0.05	<0.05	<0.05
alpha-BHC	<0.04	<0.04	<0.05	<0.01	<0.01
alpha-Endosulfan			<0.05	<0.05	<0.05
beta-BHC	<0.04	<0.04	<0.05	<0.01	<0.01
beta-Endosulfan			<0.05	<0.1	<0.1
Chlordane			<0.05	<0.5	<0.5
delta-BHC	<0.04	<0.04	<0.05	<0.01	<0.01
Dieldrin			<0.05	<0.1	<0.1
Endosulfan 1			<0.05	<0.05	<0.05
Endosulfan 2			<0.05	<0.1	<0.1
Endosulfan sulfate			<0.05	<0.1	<0.1
Endrin			<0.05	<0.1	<0.1
Endrin aldehyde			<0.05		
Endrin Ketone			<0.05	<0.1	<0.1
gamma-BHC	<0.04	<0.04	<0.05	<0.01	<0.01
Heptachlor			<0.05	<0.05	<0.05
Heptachlor epoxide			<0.05	<0.05	<0.05
Methoxychlor			<0.05	<0.5	<0.5
PCB 1016				<0.5	<0.5
PCB 1221				<0.5	<0.5
PCB 1232				<0.5	<0.5
PCB 1242				<0.5	<0.5
PCB 1248				<0.5	<0.5
PCB 1254				<0.5	<0.5
PCB 1260				<0.5	<0.5
Total BHC	<0.04	<0.04	<0.05	<0.01	<0.01
Total DDT	<0.04	<0.04	<0.05	<0.02	<0.02
Toxaphene			<0.5	<1	<1

NOTE: See last page of this table for footnotes.

TABLE D.23
SPLIT SAMPLE RESULTS
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

NOTES: Groundwater samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

UG/L= Micrograms per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Technologies, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity, QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; no QC problem identified.

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/DEPA	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/ORG
1,1-Sulfonylbis(4-Chlorobenzene)											
1,2,4-Trichlorobenzene	31		83		68	45	65	<30	<2000	<1000	<10
1,2-Dichlorobenzene	13		30		33	19	25	<30	<2000	<1000	10
1,2-Diphenylhydrazine	<10					<10		<30			<10
1,3,5-Trimethyl Benzene			24		20						
1,3-Dichlorobenzene	<10		<20		<20	<10	10(J)	<30	<2000	<1000	<10
1,4-Dichlorobenzene	38		120		130	80	91	67	<2000	300(J)	58
1-Ethyl-2-Methyl Benzenze			46		38						
1-Ethyl-4-Methyl Benzene			38		31						
2,4'-DDD									72000	3200	
2,4'-DDT										7100	
2,4,5-Trichlorophenol	<10		<100		<100	<10	<50	<30	<200000	<50000	<10
2,4,6-Trichlorophenol	<10		<20		<20	<10	<10	<30	<40000	<10000	<10
2,4-Dichlorophenol	<10		<20		<20	<10	<10	<30	<40000	<10000	10
2,4-Dimethylphenol	<10		<20		<20	<10	<10	<30	<40000	<10000	<10
2,4-Dinitrophenol	<25		<100		<100	<25	<50	<75	<200000	<50000	<25
2,4-Dinitrotoluene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
2,6-Dinitrotoluene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
2-Chloro-Benzaldehyde									3000	240	
2-Chloronaphthalene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
2-Chlorophenol	<10		7.8(J)		10(J)	<10	10(J)	37	<40000	<10000	43
2-Methyl-2-Cyclopenten-1-one			25		22						
2-Methylnaphthalene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
2-Methylphenol	<10		<20		<20	<10	<10	<30	<40000	<10000	<10
2-Nitroaniline	<10		<100		<100	<10	<50	<30	<10000	<5000	<10
2-Nitrophenol	<10		<20		<20	<10	<10	<30	<40000	<10000	<10
3,3'-Dichlorobenzidine	<10		<20		<20	<10	<20(R)	<30	<2000	<1000	<10
3,4-Benzofluoranthene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
3-Nitroaniline	<10		<100		<100	<10	<50	<30	<10000	<5000	<10
4,4'-DDT									160000		
4,6-Dinitro-2-methylphenol	<50		<100		<100	<50	<50	<150	<200000	<50000	<50
4-Bromophenyl phenyl ether	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
4-Chloro-Benzaldehyde									940	100	
4-Chloro-Benzoic Acid										50000	
4-Chloroaniline	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
4-Chlorophenyl phenyl ether	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
4-Methylphenol	<10		<20		<20	<10	<10	<75	<40000	<10000	<10
4-Nitroaniline	<10		<100		<100	<10	<50	<30	<10000	<5000	<10
4-Nitrophenol	<25		<100		<100	<25	<50	<30	<200000	<50000	<25
5-Methyl-2-Hexanone			30		25						
A C6 Ether											
A Propanoate Derivative	30										
Acenaphthene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Acenaphthylene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
alpha-BHC	30					70					
An Acid											
Aniline	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Anthracene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzene Methanol Isomer											
Benzidine	<40		<100		<100	<40	<80(R)	<120	<10000	<5000	<40
Benzo(a)anthracene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzo(a)pyrene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzo(b)fluoranthene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzo(ghi)perylene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzo(k)fluoranthene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Benzoic Acid	<10		<100		<100	<10	<50	<30	<200000	<50000	<10
Benzyl Alcohol	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Biphenyl	30		22								
Bis(2-chloroethoxy)methane	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Bis(2-chloroethyl) ether	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Bis(2-chloroisopropyl) ether	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Bis(2-chloroisopropyl)ether											
Bis(2-ethylhexyl) phthalate	40		<20		<20	<10	<10	<30	<2000	<1000	<10
Branched Benzene											
Butyl benzyl phthalate	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Butyl Carbitol											
C6-C8 Aromatic Matrix						2000					
Chlorinated Aromatic								200			
Chlorinated Compound											
Chlorobenzaldehyde Isomers								600			200
Chlorobenzamide											

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/OEPA	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/OEPA	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/ORG
Chlorobenzene			6200		4200				280000	16000	
Chlorobenzoic Acid Isomers								1000			1000
Chlorobenzyl Acetate											
Chlorobenzyl Alcohol											90
Chrysene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
DDT and Metabolites											2000
delta-BHC					31						
Di-n-butyl phthalate	<50		<20		<20	<50	10(J)	<150	<2000	<1000	<50
Di-n-octyl phthalate	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Dibenzo(a,h)anthracene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Dibenzofuran	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Diethyl phthalate	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Diethylbenzene											
Dimethylbenzene											
Dimethylphthalate	<25		<20		<20	<25	<10	<75	<2000	<1000	<25
Diphenyl Ether			76		74	40					
Diphenyl Sulfone	50		86		86	80					
Eptam											
Ethylbenzene			52		44						
Ethylmethylbenzene Isomers											
Ethylphenylethanone Isomer											
Fenticlor											
Fluoranthene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Fluorene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Hexachlorobenzene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Hexachlorobutadiene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Hexachlorocyclopentadiene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Hexachloroethane	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Hexahydroazepinone	30				83						
Indeno(1,2,3-cd) pyrene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Isobutane											
Isophorone	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Isopropyl Benzene			14		14						
Methyl Chlorobenzoate								50			
Methylcyclopentane											
N-Nitrosdi-n-propylamine	<40		<20		<20	<40	<10	<120	<2000	<1000	<40
N-Nitrosdimethylamine	<80		<20		<20	<80		<240	<2000	<1000	<80
N-Nitrosdiphenylamine	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
n-Propylbenzene			14		13						
Naphthalene	10		12(J)		12(J)	11	14(J)	<30	<2000	<1000	<10
Nitrobenzene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
o-Xylene/Ortho Xylene											
p-Chloro-m-cresol	<10		<20		<20	<10	<10	<30	<40000	<10000	<10
p-Xylene			140		120						
Para-Chlorobenzene Sulfonic Acid		62000		63000							
Pentachlorophenol	<10		<100		<100	<10	<50	<30	<200000	<50000	<10
Pentane											
Phenanthrene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Phenol	<10		<20		<20	<10	10(J)	<30	<40000	<10000	<10
Propylbenzene			14		13						
Pyrene	<10		<20		<20	<10	<10	<30	<2000	<1000	<10
Sulphenone	70		230		400	200					
Tetrachloroethylene			610		480						
Toluene			22								
Total C6-C15 Chlorinated Matrix											20000
Total Xylenes											
Trichloroethanol	50										
Trimethylbenzene											
Trimethylbenzene Isomer											
Unknown (as appropriate w/method)			56		52				45000		
Unknown Hydrocarbon											

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/08/13 CAL/SEPA	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA
1,1-Sulfonylbis(4-Chlorobenzene)											
1,2,4-Trichlorobenzene	24	<10	<10	<10	<20		<10	<10	15	26	35(J)
1,2-Dichlorobenzene	99	<10	<10	<10	<20		<10	<10	36	21(J)	20(J)
1,2-Diphenylhydrazine		<10		<10			<10		<10		
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	10	<10	<10	<10	<20		<10	<10	<10	10	<10
1,4-Dichlorobenzene	630	<10	<10	<10	<20		<10	<10	52	120	120
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2,4'-DDD											
2,4'-DDT											
2,4,5-Trichlorophenol	<50	<10	<50	<10	<100		<10	<50	<10	<50	<50
2,4,6-Trichlorophenol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2,4-Dinitrophenol	<50(R)	<25	<50	<25	<100		<25	<50	<25	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2-Chloro-Benzaldehyde											
2-Chloronaphthalene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2-Chlorophenol	14	<10	<10	<10	<20		<10	<10	130	110	190
2-Methyl-2-Cyclopenten-1-one											
2-Methylnaphthalene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
2-Nitroaniline	<50	<10	<50	<10	<100		<10	<50	<10	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20(R)	<10	<20(R)	<10	<20		<10	<20(R)	<10	<20(R)	<20(R)
3,4-Benzofluoranthene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
3-Nitroaniline	<50	<10	<50	<10	<100		<10	<50	<10	<50	<50
4,4'-DDT											
4,6-Dinitro-2-methylphenol	<50(R)	<50	<50	<50	<100		<50	<50	<50	<50	<50
4-Bromophenyl phenyl ether	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
4-Chloro-Benzaldehyde											
4-Chloro-Benzoic Acid											
4-Chloroaniline	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
4-Methylphenol	<10	<10	<10	<25	<20		<10	<10	<10	<10	<10
4-Nitroaniline	<50	<10	<50	<10	<100		<10	<50	<10	<50	<50
4-Nitrophenol	<50(R)	<25	<50	<10	<100		<25	<50	<25	<50	<50
5-Methyl-2-Hexanone						34					
A C6 Ether											
A Propanoate Derivative											
Acenaphthene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
alpha-BHC											
An Acid							10				
Aniline	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzene Methanol Isomer											
Benzidine	<80(R)	<40	<80(R)	<40	<100		<40	<80(R)	<40	<80(R)	<80(R)
Benzo(a)anthracene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzo(ghi)perylene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Benzoic Acid	110	<10	<50	<10	<100		<10	<50	<10	<50	<50
Benzyl Alcohol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Biphenyl											
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Bis(2-chloroisopropyl)ether											
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Branched Benzene											
Butyl benzyl phthalate	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Butyl Carbitol											
C6-C8 Aromatic Matrix											
Chlorinated Aromatic											
Chlorinated Compound							10				
Chlorobenzaldehyde Isomers				10							
Chlorobenzamide											

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/08/13 CAL/SEPA	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA
Chlorobenzene											
Chlorobenzoic Acid Isomers				<10					300		
Chlorobenzyl Acetate											
Chlorobenzyl Alcohol											
Chrysene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
DDT and Metabolites											
delta-BHC											
Di-n-butyl phthalate	<10(J)	<50	10(J)	<50	<20		<50	<10	<50	10(J)	10(J)
Di-n-octyl phthalate	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Diethylbenzene											
Dimethylbenzene											
Dimethylphthalate	<10	<25	<10	<25	<20		<25	<10	<25	<10	<10
Diphenyl Ether											
Diphenyl Sulfone									100		
Eptam									100		
Ethylbenzene											
Ethylmethylbenzene Isomers											
Ethylphenylethanone Isomer											
Fenticlor											
Fluoranthene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Hexachloroethane	21	<10	<10	<10	<20		<10	<10	<10	<10	<10
Hexahydroazepinone											
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Isobutane											
Isophorone	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Isopropyl Benzene											
Methyl Chlorobenzoate											
Methylcyclopentane											
N-Nitrosdi-n-propylamine	<10	<40	<10	<40	<20		<40	<10	<40	<10	<10
N-Nitrosdimethylamine		<80		<80	<20		<80		<80		
N-Nitrosdiphenylamine	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
n-Propylbenzene											
Naphthalene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
o-Xylene/Ortho Xylene						8.8					
p-Chloro-m-cresol	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
p-Xylene											
Para-Chlorobenzene Sulfonic Acid						<5000					
Pentachlorophenol	<50(R)	<10	<50	<10	<100		<10	<50	<10	<50	<50
Pentane											
Phenanthrene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<20		<10	<10	10	<10	<10
Propylbenzene											
Pyrene	<10	<10	<10	<10	<20		<10	<10	<10	<10	<10
Sulphenone									60		
Tetrachloroethylene											
Toluene						10					
Total C6-C15 Chlorinated Matrix									6000		
Total Xylenes											
Trichloroethanol											
Trimethylbenzene											
Trimethylbenzene Isomer											
Unknown (as appropriate w/method)				10		14	10				
Unknown Hydrocarbon											

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3,4-Benzofluoranthene
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Aniline
Anthracene
Benzidine
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzoic Acid
Benzyl Alcohol
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl) ether
Bis(2-chloroisopropyl) ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl) phthalate
Butyl benzyl phthalate
Chrysene
Di-n-butyl phthalate
Di-n-octyl phthalate
Dibenzo(a,h)anthracene
Dibenzofuran
Dichlorochloro Ethenylbenzene
Diethyl phthalate
Dimethylphthalate
Fluoranthene
Fluorene
Fluorenone Isomer
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd) pyrene
Isophorone
N-Nitrosdi-n-propylamine
N-Nitrosdimethylamine
N-Nitrosdiphenylamine
Naphthalene
Nitrobenzene
p-Chloro-m-cresol
Pentachlorophenol
Phenanthrene
Phenol
Polychlorinated Aromatic
Pyrene
Unknown Hydrocarbon

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	
1,2,4-Trichlorobenzene	
1,2-Dichlorobenzene	
1,2-Diphenylhydrazine	
1,3-Dichlorobenzene	
1,4-Dichlorobenzene	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dinitrotoluene	
2-Chloronaphthalene	
2-Chlorophenol	
2-Methylnaphthalene	
2-Methylphenol	
2-Nitroaniline	
2-Nitrophenol	
3,3'-Dichlorobenzidine	
3,4-Benzofluoranthene	
3-Nitroaniline	
4,6-Dinitro-2-methylphenol	
4-Bromophenyl phenyl ether	
4-Chloroaniline	
4-Chlorophenyl phenyl ether	
4-Methylphenol	
4-Nitroaniline	
4-Nitrophenol	
Acenaphthene	
Acenaphthylene	
Aliphatic Hydrocarbon C26	
Aniline	
Anthracene	
Benzidine	
Benzo(a)anthracene	
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(ghi)perylene	
Benzo(k)fluoranthene	
Benzoic Acid	
Benzyl Alcohol	
Bis(2-chloroethoxy)methane	
Bis(2-chloroethyl) ether	
Bis(2-chloroisopropyl) ether	
Bis(2-chloroisopropyl)ether	
Bis(2-ethylhexyl) phthalate	
Butyl benzyl phthalate	
Chrysene	
Di-n-butyl phthalate	
Di-n-octyl phthalate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Diethyl phthalate	
Dimethylphthalate	
Fluoranthene	
Fluorene	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Indeno(1,2,3-cd) pyrene	
Isophorone	
N-Nitrosdi-n-propylamine	
N-Nitrosdimethylamine	
N-Nitrosdiphenylamine	
Naphthalene	
Nitrobenzene	
p-Chloro-m-cresol	
Pentachlorophenol	
Phenanthrene	
Phenol	
Pyrene	
Unknown (as appropriate w/method)	

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)		
1,2,4-Trichlorobenzene		
1,2-Dichlorobenzene		
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-Dinitrophenol		
2,4-Dinitrotoluene		
2,6-Dinitrotoluene		
2-Chloronaphthalene		
2-Chlorophenol		
2-Methylnaphthalene		
2-Methylphenol		
2-Nitroaniline		
2-Nitrophenol		
3,3'-Dichlorobenzidine		
3,4-Benzofluoranthene		
3-Nitroaniline		
4,6-Dinitro-2-methylphenol		
4-Bromophenyl phenyl ether		
4-Chloroaniline		
4-Chlorophenyl phenyl ether		
4-Methylphenol		
4-Nitroaniline		
4-Nitrophenol		
Acenaphthene		
Acenaphthylene		
Aniline		
Anthracene		
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(ghi)perylene		
Benzo(k)fluoranthene		
Benzoic Acid		
Benzyl Alcohol		
Bis(2-chloroethoxy)methane		
Bis(2-chloroethyl) ether		
Bis(2-chloroisopropyl) ether		
Bis(2-ethylhexyl) phthalate		
Butyl benzyl phthalate		
Chrysene		
Di-n-butyl phthalate		
Di-n-octyl phthalate		
Dibenzo(a,h)anthracene		
Dibenzofuran		
Diethyl phthalate		
Dimethylphthalate		
Fluoranthene		
Fluorene		
Hexachlorobenzene		
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
Indeno(1,2,3-cd) pyrene		
Isophorone		
N-Nitrosdi-n-propylamine		
N-Nitrosdimethylamine		
N-Nitrosdiphenylamine		
Naphthalene		
Nitrobenzene		
p-Chloro-m-cresol		
Pentachlorophenol		
Phenanthrene		
Phenol		
Pyrene		

NOTE: See last page of this table for footnotes.

TABLE D.24
SPLIT SAMPLE RESULTS
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Well Identifier, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.

< = Less than; numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton

DSEP = Duplicate Split EPA Sample
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity, QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EP] = Estimated quantity due to precision goals not met.

NOTE: See last page of this table for footnotes.

TABLE D.25
SPLIT SAMPLE RESULTS
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 RMAL/QEPA	MW-01 85/07/01 RMAL/SEPA	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 RMAL/QEPA	MW-02 85/07/02 RMAL/SEPA	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 RMAL/SEPA
Antimony		<31	<31		<155	<155		<31
Arsenic		7.5	11		<100	160		<3
Barium		82	105		592	651		<12
Beryllium		<0.3	0.3		7.6	8.4		<0.3
Boron								
Cadmium		<4	<4		<20	<20		<4
Chromium (total)		27	28		123	121		<4
Cobalt		9.4	12		260	293		<4
Copper	<0.09	20	28	<0.09	217	207	<0.09	3.2
Iron	<0.1	11900	19500	4.2	117000	119000	0.1	<15
Lead		10	9.1		<2	<2		2.4
Manganese	1.5	1390	1460	35	34600	34600	0.33	<5
Mercury		<0.1	<0.1		1	1.3		<0.1
Molybdenum								
Nickel		11	14		557	831		<5
Selenium		<50	<30		<50	<50		<30
Silver		<3	<3		<15	20		<3
Thallium		<100	<100		<100	<100		<3
Vanadium		29	43		207	203		<4
Zinc	<0.02	33	48	0.37	624	688	<0.02	<2

NOTE: See last page of this table for footnotes.
SCO/981340010.xls-95/all wells 9-15

TABLE D.25
SPLIT SAMPLE RESULTS
TRACE METALS IN GROUNDWATER

NOTES: Groundwater samples analyzed for trace metal compounds using EPA Methods 220.1 or 6010.
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/L = Milligrams per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Tech. Inc.

ORG = Original Sample

[EB] = Estimated quantity due to blank contamination.
[UB] = Data unusable due to blank contamination.

NOTE: See last page of this table for footnotes.
SCO/981340010.xls-95/footnotes

TABLE D.26
SPLIT SAMPLE RESULTS
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	MW-01 00/01/02 RMAL/QEPA	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 RMAL/QEPA	MW-01 85/07/01 RMAL/SEPA	MW-02 00/01/02 RMAL/QEPA	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 RMAL/QEPA	MW-02 85/07/02 RMAL/SEPA	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 RMAL/SEPA
Alkalinity as CaCO3										
Boron										
Calcium	<0.28	370	362	370	494	430	612	634	340	<0.28
Chloride		670				2100			610	
Fluoride						5.7			0.12	
Magnesium	<0.25	110	116	119	131	540	632	634	81	<0.25
Nitrate (as NO3)		0.71				0.92			110	
Potassium	<0.99	12	14.5	16.1	42.3	23	33	34.4	18	<0.99
Silica										
Sodium	<0.59	840	388	402	193	2500	2570	2610	220	<0.59
Sulfate		900				3600			100	
Total Dissolved Solids		3100				13000			2100	

NOTE: See last page of this table for footnotes.

TABLE D.26
SPLIT SAMPLE RESULTS
COMMON IONS IN GROUNDWATER

NOTES: Groundwater samples analyzed for common ions using one or more of the following methods:

APHA-404B
EPA-130.2
EPA-215.1
EPA-215.2
EPA-258.1
EPA-273.1
EPA-300.0
EPA-310.1
EPA-325.2
EPA-325.3
EPA-325.B
EPA-340.2
EPA-353.2
EPA-370.1
EPA-375.2
EPA-375.4
EPA-376.2
EPA-376.2M
EPA-9038
EPA-9252
Lab Meter

NOTES: Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/L = Milligrams per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Tech. Inc.
BCL = BC Labs
BAC = Brown & Caldwell
RMAL = Rocky Mountain Analytical

ORG = Original Sample

LD = Lab Duplicate
QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates
SEPA = Split samples analyzed by EPA

NOTE: See last page of this table for footnotes.
SCO/981340012.xls-95/footnotes

APPENDIX E

PHYSICAL PROPERTIES OF HYDROGEOLOGIC UNITS, PHYSICAL PARAMETERS AND TOTAL ORGANIC CARBON CONTENT OF SOIL, GROUNDWATER, SEDIMENT, AND SURFACE WATER

APPENDIX E

PHYSICAL PROPERTIES OF HYDROGEOLOGIC UNITS, PHYSICAL PARAMETERS , AND TOTAL ORGANIC CARBON CONTENT OF SOIL, GROUNDWATER, SEDIMENT, AND SURFACE WATER

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TABLE E-1
Vertical Hydraulic Conductivity, 1989

	T	Q	L	A	H	K
Sample ID	Elapsed Time (sec)	Volume of Flow (cc)	Length of Sample (cm)	Cross-Sectional Area (cm^2)	Head (cm)	Hydraulic Conductivity (cm/sec)
EB13-145	3600	9.27	10.16	41.33	788.80	$8.02\ E^{-7}$
EB13-165						
G8-104.7	900	58.17	10.16	41.33	15.24	$1.04\ E^{-3}$
G8-130	300	22.70	10.16	41.33	1070.00	$1.74\ E^{-5}$
G8-179.2	900	2.85	10.16	41.33	437.20	$1.78\ E^{-6}$
G9-83	525	8.88	10.16	41.33	15.24	$2.73\ E^{-4}$
G9-163	600	5.00	10.16	41.33	1374.76	$1.49\ E^{-6}$
G13-81.1	180	42.20	10.16	41.33	20.32	$2.84\ E^{-3}$
G13-120	180	60.70	10.16	41.33	402.00	$2.06\ E^{-4}$
G13-117.6	180	74.95	10.16	41.33	25.40	$4.03\ E^{-3}$
LW3-90	1800	12.00	10.16	41.33	1296.80	$1.26\ E^{-6}$
LW-120.5	180	49.13	10.16	41.33	191.04	$3.51\ E^{-4}$
LW3-180	210	11.68	10.16	41.33	26.99	$5.07\ E^{-4}$
LW3-245.6	180	7.58	10.16	41.33	23.18	$4.47\ E^{-4}$
EB9-225	1800	14.15	10.16	41.33	1296.80	$1.49\ E^{-6}$
EB9-245	1125	13.25	10.16	41.33	1290.37	$2.24\ E^{-6}$
EB13-80	660	68.40	10.16	41.33	21.17	$1.20\ E^{-3}$
EB13-117	2100	6.38	10.16	41.33	1881.90	$3.96\ E^{-7}$
EB13-121.3T	insufficient quantity of sample for testing					
EB13-121.5B	1800	0.73	10.16	41.33	2074.40	$4.80\ E^{-6}$
G13-144	240	9.825	10.16	41.33	27.30	$3.69\ E^{-4}$
G13-192	180	27.000	10.16	41.33	25.40	$1.45\ E^{-3}$

Note: ASTM Test Method No. D2434. Analytical results obtained from Golden Valley Testing, Bakersfield, California.

TABLE E-2
Sieve Analyses and Hydrometer Analyses, 1989

	% Passing U.S. Standard Sieve Sizes						% < Micron Size				
Sample I.D.	**#4**	**#10**	**#20**	**#40**	**#140**	**#200**	**50**	**25**	**10**	**5**	**2**
G8-130	-	-	-	-	-	-	-	82	71	58	46
G8-140.7	100	97	95	58	11	9	-	-	-	-	-
G8-179.2	100	99	99	98	77	64	34	11	9	6	4
G9-83	-	100	99	98	15	10	14	11	9	8	7
G13-81.1	100	99	99	98	21	17	9	5	4	3	2
G13-120	-	-	-	-	-	-	-	66	51	40	27
G13-144	-	100	99	80	10	8	-	-	-	-	-
G13-192	-	100	99	99	32	17	-	-	-	-	-
LW3-245.6	100	99	95	48	20	19	8	6	5	4	3
EB9-225	100	98	97	96	83	72	51	27	18	11	9
EB9-245	-	100	99	98	97	96	90	70	45	31	20

Note: ASTM Test Method No. D2434. Analytical results obtained from Golden Valley Testing, Bakersfield, California.

TABLE E-3
Sieve Analysis, 1989

	% Passing U.S. Standard Sizes								
Sample I.D.	**¾"**	**½"**	**3"**	**#4**	**#10**	**#20**	**#40**	**#140**	**#200**
G13-117.6	100	68	63	49	40	36	24	6	5

Note: +#4 material is naturally cemented and conglomerates.

ASTM Test Method No. D2434. Analytical results obtained from Golden Valley Testing, Bakersfield, California.

TABLE E-4
Porosity, 1989

Sample I.D.	Specific Gravity	Dry Density, lbs/cu.ft.	Moisture % of Dry Wt.	Porosity
EB13-145	2.61	96.5	26.6	40.8
EB13-165				
G8-104.7	2.59	93.3	16.7	42.3
G8-130	2.68	89.6	31.4	46.4
G8-179.2	2.69	97.8	25.0	41.8
G9-83	2.61	98.4	24.9	39.6
G9-163	2.69	91.2	30.0	45.7
G13-81.1	2.66	87.2	23.7	47.5
G13-120	2.61	111.4	9.3	31.6
G13-117.6	2.65	120.7	8.4	27.0
LW3-90	2.69	100.8	18.9	40.0
LW-120.5	2.74	97.5	24.4	43.0
LW3-180	2.69	96.6	21.9	42.5
LW3-245.6	2.61	110.9	18.0	32.0
EB9-225	2.67	98.7	27.5	40.8
E9-245	2.68	94.7	29.5	43.4
EB13-80	2.61	104.6	16.2	35.8
EB13-117	2.72	96.4	27.7	43.2
EB13-121.5T				
EB13-121.5B	2.74	103.4	19.9	39.5
G13-144	2.65	102.3	19.2	38.2
G13-192	2.67	91.9	25.9	44.8

Note: ASTM Test Method No. D2434. Analytical results obtained from Golden Valley Testing, Bakersfield, California.

TABLE E-5
PERMEABILITY, SPECIFIC GRAVITY, AND DRY BULK DENSITY, 1991
SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE-PROJECT #219.3	JOB NO.	LT91-3527
SAMPLE:	BF24 @ 112'-113'	W.O. NO.	6
		LAB NO.	28
		DATE	4/22/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	117.2	pcf
DRY DENSITY	92.8	pcf
VOLUME	527.828	cc
VOLUME OF SOLIDS	294.434	cc
VOLUME OF WATER	202.390	cc
VOID RATIO	0.79	
POROSITY	44.2%	
DEGREE OF SATURATION (INITIAL)	86.7%	
SPECIFIC GRAVITY OF SOLIDS	2.66	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.80	80	9	1260	3.81E-07	3.94E-01
19.86	80	6	1620	2.09E-07	2.16E-01
19.85	80	6	1380	2.66E-07	2.75E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SOURCE:	BF21/BFS118	W.O. NO.	7
		LAB NO.	29
		DATE	6/12/91

SPECIFIC GRAVITY OF SOIL (ASTM D854)

O.D. WT. OF SOIL	131.95
WT OF FLASK + H2O	355.1
WT FLASK + H20 + SSD	438.42
SPECIFIC GRAVITY	2.713

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SOURCE:	BF21/BFS118	W.O. NO.	7
		LAB NO.	29
		DATE	6/12/91

MOISTURE AND DENSITY OF RING SAMPLES

VOLUME	19.58 CU IN
DRY WT.	541.72 g
MOISTURE	21.4%
DENSITY	105.4 PCF

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT: MONTROSE #219.3

JOB NO. LT91-3527
W.O. NO. 8
DATE: 6/27/91

DRY BULK DENSITY OF SOIL (ASTM D 2937)

LAB NO.	30	31
SAMPLE	BF-22-71	BF-25-98.5
VOLUME(cc)	365.68	388.87
WET WT.(grams)	684.7	784.0
DRY WT.(grams)	540.6	647.6
MOISTURE(percent)	26.7%	[illegible]
DENSITY(lbs/cu ft)	92.2	103.9
SPECIFIC GRAVITY	2.687	2.654

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT: MONTROSE #219.3
SAMPLE: G-17/BFS-123

JOB NO. LT91-352
W.O. NO. 9
LAB NO. 32
DATE 7/26/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	132.5	pcf
DRY DENSITY	113.3	pcf
VOLUME	377.643	cc
VOLUME OF SOLIDS	255.337	cc
VOLUME OF WATER	122.350	cc
VOID RATIO	0.48	
POROSITY	32.4%	
DEGREE OF SATURATION (INITIAL)	100.0%	
SPECIFIC GRAVITY OF SOLIDS (ASSUME)	2.69	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.91	20	4	2700	2.18E-07	2.26E-01
19.91	20	4	3600	1.64E-07	1.69E-01
19.75	20	10	5400	2.91E-07	3.01E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-35
SAMPLE:	G-17/UBA-93	W.O. NO.	9
		LAB NO.	34
		DATE	7/26/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	119.8	pcf
DRY DENSITY	97.1	pcf
VOLUME	395.102	cc
VOLUME OF SOLIDS	231.211	cc
VOLUME OF WATER	146.900	cc
VOID RATIO	0.71	
POROSITY	41.5%	
DEGREE OF SATURATION (INITIAL)	89.6%	
SPECIFIC GRAVITY OF SOLIDS	2.66	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.81	20	8	4200	2.94E-07	3.04E-01
19.59	20	17	6600	4.05E-07	4.19E-01
19.81	20	8	4200	2.94E-07	3.04E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-35
SAMPLE:	BF-27/BFS-109	W.O. NO.	9
		LAB NO.	35
		DATE	7/26/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	118.6	pcf
DRY DENSITY	94.8	pcf
VOLUME	411.937	cc
VOLUME OF SOLIDS	232.248	cc
VOLUME OF WATER	161.060	cc
VOID RATIO	0.77	
POROSITY	43.6%	
DEGREE OF SATURATION (INITIAL)	89.6%	
SPECIFIC GRAVITY OF SOLIDS	2.69	

HEAD inches	PSI	Q cc	TIME sec	K cm/sec	K ft/yr
19.88	20	5	3000	2.86E-07	2.96E-01
19.63	20	16	8100	3.18E-07	3.29E-01
19.88	20	5	3300	2.60E-07	2.69E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-352
SAMPLE:	G-19/UBA-67	W.O. NO.	10
		LAB NO.	36
		DATE	7/30/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	120.1	pcf
DRY DENSITY	96.8	pcf
VOLUME	395.101	cc
VOLUME OF SOLIDS	221.745	cc
VOLUME OF WATER	141.950	cc
VOID RATIO	0.78	
POROSITY	43.9%	
DEGREE OF SATURATION (INITIAL)	81.9%	
SPECIFIC GRAVITY OF SOLIDS	2.76	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.94	20	3	3300	1.23E-07	1.27E-01
19.94	20	3	3900	1.04E-07	1.08E-01
19.94	20	3	3600	1.13E-07	1.17E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #2193	JOB NO.	LT91-3527
SOURCE:	G-19/LBA-142	W.O. NO.	10
		LAB NO.	57
		DATE	7/30/91

SPECIFIC GRAVITY OF SOIL (ASTM D854)

O.D. WT. OF SOIL	68.7
WT OF FLASK + H2O	363.44
WT FLASK + H20 + SSD	407.02
SPECIFIC GRAVITY	2.73

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-352
SAMPLE:	G-19/LBA-142	W.O. NO.	10
		LAB NO.	37
		DATE	7/30/91

DRY BULK DENSITY (ASTM D-2937)

SAMPLE HEIGHT	7.98	cm
SAMPLE DIAMETER	7.28	cm
VOLUME	332.167	cc
WET DENSITY	142.9	pcf
DRY DENSITY	96.5	pcf
MOISTURE CONTENT	26.6	%

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-35
SAMPLE:	G-15-135.85-LBA	W.O. NO.	12
		LAB NO.	44
		DATE	8/14/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	126.0	pcf
DRY DENSITY	101.3	pcf
VOLUME	51.080	cc
VOLUME OF SOLIDS	30.610	cc
VOLUME OF WATER	19.430	cc
VOID RATIO	0.67	
POROSITY	40.1%	
DEGREE OF SATURATION (INITIAL)	94.9%	
SPECIFIC GRAVITY OF SOLIDS	2.71	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.88	15	5	93000	3.43E-08	3.55E-02
19.88	15	5	85200	3.75E-08	3.88E-02
19.88	15	5	86400	3.70E-08	3.82E-02

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-35
SAMPLE:	G-15-101-UBA	W.O. NO.	12
		LAB NO.	45
		DATE	8/14/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	117.3	pcf
DRY DENSITY	94.4	pcf
VOLUME	51.167	cc
VOLUME OF SOLIDS	28.928	cc
VOLUME OF WATER	15.820	cc
VOID RATIO	0.77	
POROSITY	43.5%	
DEGREE OF SATURATION (INITIAL)	71.1%	
SPECIFIC GRAVITY OF SOLIDS	2.68	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.38	10	26	4200	5.59E-06	5.79E+00
19.53	10	20	3000	5.87E-06	6.07E+00
18.63	10	58	8100	6.40E-06	6.62E+00

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-35
SAMPLE:	BF-29-116-BFS	W.O. NO.	12
		LAB NO.	46
		DATE	8/14/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	121.6	pcf
DRY DENSITY	97.2	pcf
VOLUME	50.992	cc
VOLUME OF SOLIDS	29.446	cc
VOLUME OF WATER	18.820	cc
VOID RATIO	0.73	
POROSITY	42.3%	
DEGREE OF SATURATION (INITIAL)	87.3%	
SPECIFIC GRAVITY OF SOLIDS	2.70	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.50	5	21	60	5.86E-04	6.06E+02
19.50	5	21	60	5.86E-04	6.06E+02
19.50	5	21	60	5.86E-04	6.06E+02

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3
SAMPLE:	BF-31/UBA-67	W.O. NO.	14
		LAB NO.	50
		DATE	8/28/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	107.8	pcf
DRY DENSITY	72.2	pcf
VOLUME	50.992	cc
VOLUME OF SOLIDS	21.320	cc
VOLUME OF WATER	27.860	cc
VOID RATIO	1.39	
POROSITY	58.2%	
DEGREE OF SATURATION (INITIAL)	93.9%	
SPECIFIC GRAVITY OF SOLIDS	2.77	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.88	15	5	58500	5.45E-08	5.64E-02
19.81	15	8	84000	5.69E-08	5.89E-02
19.81	15	8	88200	5.42E-08	5.61E-02

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-352
SAMPLE:	BF-31/UBF-112	W.O. NO.	14
		LAB NO.	51
		DATE	8/28/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	125.5	pcf
DRY DENSITY	101.2	pcf
VOLUME	51.080	cc
VOLUME OF SOLIDS	30.853	cc
VOLUME OF WATER	19.720	cc
VOID RATIO	0.66	
POROSITY	39.6%	
DEGREE OF SATURATION (INITIAL)	97.5%	
SPECIFIC GRAVITY OF SOLIDS	2.68	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
17.81	0	92	58500	2.33E-05	2.41E+01
16.00	0	168	84000	3.31E-05	3.42E+01
15.88	0	173	88200	3.27E-05	3.39E+01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT: MONTROSE #219.3
SAMPLE: LW-4-217.5

JOB NO. LT91-3527
W.O. NO. 15
LAB NO. 52
DATE 9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	124.7 pcf
DRY DENSITY	98.2 pcf
VOLUME	566.277 cc
VOLUME OF SOLIDS	320.938 cc
VOLUME OF WATER	224.330 cc
VOID RATIO	0.76
POROSITY	43.3%
DEGREE OF SATURATION (INITIAL)	91.4%
SPECIFIC GRAVITY OF SOLIDS	2.78

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.73	40	12	8400	1.60E-07	1.65E-01
19.51	40	21	15900	1.51E-07	1.56E-01
19.89	40	5	3600	1.46E-07	1.51E-01

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW-4-228	W.O. NO.	15
		LAB NO.	53
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	133.8	pcf
DRY DENSITY	109.0	pcf
VOLUME	453.886	cc
VOLUME OF SOLIDS	293.073	cc
VOLUME OF WATER	164.830	cc
VOID RATIO	0.55	
POROSITY	35.4%	
DEGREE OF SATURATION (INITIAL)	102.5%	
SPECIFIC GRAVITY OF SOLIDS	2.70	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.86	40	6	8400	6.68E-08	6.91E-02
19.74	40	11	15900	6.48E-08	6.70E-02
19.94	40	2	3600	6.48E-08	6.71E-02

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	BF-33-53	W.O. NO.	15
		LAB NO.	54
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	117.2	pcf
DRY DENSITY	90.7	pcf
VOLUME	461.914	cc
VOLUME OF SOLIDS	242.773	cc
VOLUME OF WATER	199.340	cc
VOID RATIO	0.90	
POROSITY	47.4%	
DEGREE OF SATURATION (INITIAL)	91.0%	
SPECIFIC GRAVITY OF SOLIDS	2.76	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.20	40	34	1620	1.97E-06	2.04E+00
19.63	40	16	780	1.89E-06	1.96E+00
19.26	40	31	1620	1.82E-06	1.89E+00

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS

PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	EB-17-93	W.O. NO.	15
		LAB NO.	55
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	132.7	pcf
DRY DENSITY	108.3	pcf
VOLUME	467.472	cc
VOLUME OF SOLIDS	301.715	cc
VOLUME OF WATER	164.300	cc
VOID RATIO	0.55	
POROSITY	35.5%	
DEGREE OF SATURATION (INITIAL)	99.1%	
SPECIFIC GRAVITY OF SOLIDS	2.69	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.96	40	2	13500	1.08E-08	1.11E-02
19.98	40	1	8100	1.20E-08	1.24E-02
19.83	40	7	60780	1.11E-08	1.15E-02

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	BF-26-140.5	W.O. NO.	15
		LAB NO.	56
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	120.5	pcf
DRY DENSITY	102.3	pcf
VOLUME	529.842	cc
VOLUME OF SOLIDS	321.783	cc
VOLUME OF WATER	126.490	cc
VOID RATIO	0.65	
POROSITY	39.3%	
DEGREE OF SATURATION (INITIAL)	60.8%	
SPECIFIC GRAVITY OF SOLIDS	2.70	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.28	40	30	13500	2.43E-07	2.51E-01
19.48	40	22	8100	2.97E-07	3.07E-01
19.94	40	2	660	4.13E-07	4.27E-01

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW-5-163	W.O. NO.	15
		LAB NO.	57
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	123.4	pcf
DRY DENSITY	97.4	pcf
VOLUME	385.134	cc
VOLUME OF SOLIDS	225.682	cc
VOLUME OF WATER	167.580	cc
VOID RATIO	0.71	
POROSITY	41.4%	
DEGREE OF SATURATION (INITIAL)	105.1%	
SPECIFIC GRAVITY OF SOLIDS	2.66	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.52	40	20	2100	7.57E-07	7.83E-01
19.83	40	7	660	8.42E-07	8.71E-01
19.05	40	40	4200	7.57E-07	7.83E-01

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW-5-108	W.O. NO.	15
		LAB NO.	58
		DATE	9/23/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	119.8	pcf
DRY DENSITY	98.2	pcf
VOLUME	477.996	cc
VOLUME OF SOLIDS	280.221	cc
VOLUME OF WATER	181.550	cc
VOID RATIO	0.71	
POROSITY	41.4%	
DEGREE OF SATURATION (INITIAL)	91.8%	
SPECIFIC GRAVITY OF SOLIDS	2.68	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.79	40	9	8400	1.08E-07	1.12E-01
19.50	40	21	15900	1.33E-07	1.37E-01
19.90	40	4	3600	1.12E-07	1.16E-01

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW5-GLA220	W.O. NO.	16
		LAB NO.	60
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	114.1	pcf
DRY DENSITY	85.6	pcf
VOLUME	495.910	cc
VOLUME OF SOLIDS	249.878	cc
VOLUME OF WATER	225.830	cc
VOID RATIO	0.98	
POROSITY	49.6%	
DEGREE OF SATURATION (INITIAL)	91.8%	
SPECIFIC GRAVITY OF SOLIDS	2.72	

HEAD inches	HEAD PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.87	40	6	10920	5.28E-08	5.46E-02
19.94	40	2	6660	3.91E-08	4.05E-02
19.94	40	2	9540	2.73E-08	2.83E-02

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PROJECT:	MONTROSE #2193	JOB NO.	LT91-352[illegible]
SAMPLE:	LW6-UBA89	W.O. NO.	16
		LAB NO.	61
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	120.9	pcf
DRY DENSITY	96.6	pcf
VOLUME	415.702	cc
VOLUME OF SOLIDS	241.610	cc
VOLUME OF WATER	165.490	cc
VOID RATIO	0.72	
POROSITY	41.9%	
DEGREE OF SATURATION (INITIAL)	95.1%	
SPECIFIC GRAVITY OF SOLIDS	2.66	

HEAD inches	PSI	Q cc	TIME sec	K cm/sec	K ft/yr
19.98	40	1	4380	2.01E-08	2.08E-02
19.64	40	15	61740	2.13E-08	2.20E-02
19.52	40	20	85680	2.05E-08	2.12E-02

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW6-LBA138	W.O. NO.	16
		LAB NO.	62
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	123.0	pcf
DRY DENSITY	102.9	pcf
VOLUME	487.360	cc
VOLUME OF SOLIDS	301.528	cc
VOLUME OF WATER	139.950	cc
VOID RATIO	0.62	
POROSITY	38.1%	
DEGREE OF SATURATION (INITIAL)	75.3%	
SPECIFIC GRAVITY OF SOLIDS	2.66	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.81	40	8	10920	7.53E-08	7.79E-02
19.93	40	3	6660	4.62E-08	4.78E-02
19.93	40	3	9540	3.23E-08	3.34E-02

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW6-GLA220.5	W.O. NO.	16
		LAB NO.	63
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	122.6	pcf
DRY DENSITY	96.2	pcf
VOLUME	418.144	cc
VOLUME OF SOLIDS	239.666	cc
VOLUME OF WATER	158.350	cc
VOID RATIO	0.74	
POROSITY	42.7%	
DEGREE OF SATURATION (INITIAL)	88.7%	
SPECIFIC GRAVITY OF SOLIDS	2.69	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
18.63	40	56	13680	3.71E-07	3.84E-01
19.64	40	15	3720	3.56E-07	3.68E-01
19.69	40	13	3360	3.41E-07	3.53E-01

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW6-LA255	W.O. NO.	16
		LAB NO.	64
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	116.4	pcf
DRY DENSITY	89.1	pcf
VOLUME	445.220	cc
VOLUME OF SOLIDS	230.114	cc
VOLUME OF WATER	177.190	cc
VOID RATIO	0.93	
POROSITY	48.3%	
DEGREE OF SATURATION (INITIAL)	82.4%	
SPECIFIC GRAVITY OF SOLIDS	2.76	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.48	40	22	6720	3.07E-07	3.18E-01
19.65	40	14	4380	3.11E-07	3.22E-01
19.69	40	13	4080	2.99E-07	3.10E-01

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW7-UBA113	W.O. NO.	16
		LAB NO.	65
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	125.4	pcf
DRY DENSITY	103.5	pcf
VOLUME	482.271	cc
VOLUME OF SOLIDS	302.275	cc
VOLUME OF WATER	169.030	cc
VOID RATIO	0.60	
POROSITY	37.3%	
DEGREE OF SATURATION (INITIAL)	93.9%	
SPECIFIC GRAVITY OF SOLIDS	2.65	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.12	40	37	1980	1.90E-06	1.97E+00
19.19	40	34	2040	1.70E-06	1.75E+00
18.47	40	64	4020	1.62E-06	1.68E+00

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW7-BFS123	W.O. NO.	16
		LAB NO.	66
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	120.4	pcf
DRY DENSITY	101.1	pcf
VOLUME	372.951	cc
VOLUME OF SOLIDS	227.936	cc
VOLUME OF WATER	127.210	cc
VOID RATIO	0.64	
POROSITY	38.9%	
DEGREE OF SATURATION (INITIAL)	87.7%	
SPECIFIC GRAVITY OF SOLIDS	2.65	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.38	40	26	1560	1.31E-06	1.36E+00
19.43	40	24	1560	1.21E-06	1.25E+00
19.41	40	25	1740	1.13E-06	1.17E+00

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	LW7-LBA135.5	W.O. NO.	16
		LAB NO.	67
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	129.1	pcf
DRY DENSITY	103.1	pcf
VOLUME	425.066	cc
VOLUME OF SOLIDS	259.908	cc
VOLUME OF WATER	169.820	cc
VOID RATIO	0.64	
POROSITY	38.9%	
DEGREE OF SATURATION (INITIAL)	102.8%	
SPECIFIC GRAVITY OF SOLIDS	2.70	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.89	40	5	9180	4.40E-08	4.55E-02
19.79	40	9	13500	5.98E-08	6.19E-02
19.95	40	2	5720	4.79E-08	4.96E-02

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PROJECT:	MONTROSE #2193	JOB NO.	LT91-3527
SAMPLE:	LW7-GA167	W.O. NO.	16
		LAB NO.	68
		DATE	10/1/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	119.5	pcf
DRY DENSITY	97.7	pcf
VOLUME	449.088	cc
VOLUME OF SOLIDS	267.911	cc
VOLUME OF WATER	159.800	cc
VOID RATIO	0.68	
POROSITY	40.3%	
DEGREE OF SATURATION (INITIAL)	88.2%	
SPECIFIC GRAVITY OF SOLIDS	2.62	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.96	40	2	28080	5.09E-09	5.26E-03
19.95	40	2	61740	3.08E-09	3.19E-03
19.95	40	2	85680	2.22E-09	2.30E-03

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PROJECT:	MONTROSE #219.3	JOB NO.	LT91-3527
SAMPLE:	BF-32-78	W.O. NO.	17
		LAB NO.	69
		DATE	10/15/91

PERMEABILITY TEST (EM1110-2-1906)

WET DENSITY	125.5	pcf
DRY DENSITY	105.7	pcf
VOLUME	543.411	cc
VOLUME OF SOLIDS	343.162	cc
VOLUME OF WATER	156.410	cc
VOID RATIO	0.58	
POROSITY	36.9%	
DEGREE OF SATURATION (INITIAL)	78.1%	
SPECIFIC GRAVITY OF SOLIDS	2.68	

HEAD inches	PSI	Q cc	TIME sec.	K cm/sec	K ft/yr
19.83	40	7	59700	1.40E-08	1.44E-02
19.90	40	4	29820	1.60E-08	1.65E-02
19.86	40	6	62580	1.14E-08	1.18E-02

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
1	11D	2 ft bls 85/06/26	CAL/OEPA				1.01
2	11D	3.5 ft bls 85/06/26	CAL/OEPA				0.82
3	11D	6.5 ft bls 85/06/26	CAL/OEPA				0.06
4	11D	8 ft bls 85/06/26	CAL/OEPA				<0.05
5	12D	2 ft bls 85/06/25	CAL/OEPA				0.71
6	12D	3.5 ft bls 85/06/25	CAL/OEPA				0.15
7	12D	6.5 ft bls 85/06/25	CAL/OEPA				0.08
8	12D	8 ft bls 85/06/25	CAL/OEPA				0.09
9	13D	1.5 ft bls 85/06/25	CAL/OEPA				1
10	13D	2 ft bls 85/06/25	CAL/OEPA				1.1
11	13D	4.5 ft bls 85/06/25	CAL/DEPA				0.99
12	13D	5 ft bls 85/06/25	CAL/OEPA				0.93
13	13D	6.5 ft bls 85/06/25	CAL/OEPA				0.21
14	13D	8 ft bls 85/06/25	CAL/OEPA				<0.05
15	21D	0.5 ft bls 85/06/24	CAL/DEPA				2.1
16	21D	2 ft bls 85/06/24	CAL/OEPA				1.5
17	21D	6 ft bls 85/06/24	CAL/DEPA				<0.05
18	21D	6.5 ft bls 85/06/24	CAL/OEPA				<0.05
19	21D	8 ft bls 85/06/24	CAL/OEPA				<0.05
20	22D	1.5 ft bls 85/06/26	CAL/OEPA				1.8
21	22D	2 ft bls 85/06/26	CAL/OEPA				0.64
22	22D	3 ft bls 85/06/26	CAL/DEPA				0.21
23	22D	5 ft bls 85/06/26	CAL/OEPA				<0.05
24	22D	6.5 ft bls 85/06/26	CAL/OEPA				<0.05
25	22D	8 ft bls 85/06/26	CAL/OEPA				0.05
26	23D	1.5 ft bls 85/06/25	CAL/OEPA				1.3
27	23D	2 ft bls 85/06/25	CAL/OEPA				1
28	23D	4.5 ft bls 85/06/25	CAL/OEPA				0.13

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture in Soil, Percent	Total Organic Carbon (mg/kg)
29	23D	6.5 ft bls 85/06/25	CAL/OEPA				0.29
30	23D	8 ft bls 85/06/25	CAL/OEPA				0.14
31	24D	1.5 ft bls 85/06/25	CAL/OEPA				0.8
32	24D	11 ft bls 85/06/25	CAL/OEPA				2.1
33	24D	14.5 ft bls 85/06/25	CAL/OEPA				1
34	24D	16 ft bls 85/06/25	CAL/OEPA				0.83
35	24D	16.5 ft bls 85/06/25	CAL/DEPA				0.41
36	24D	19.5 ft bls 85/06/25	CAL/OEPA				0.25
37	24D	2 ft bls 85/06/25	CAL/DEPA				1.1
38	24D	3 ft bls 85/06/25	CAL/OEPA				0.78
39	24D	6.5 ft bls 85/06/25	CAL/OEPA				0.41
40	24D	8 ft bls 85/06/25	CAL/OEPA				0.53
41	34D	1.5 ft bls 85/06/25	CAL/OEPA				1
42	34D	2 ft bls 85/06/25	CAL/OEPA				0.84
43	34D	3.5 ft bls 85/06/25	CAL/OEPA				0.83
44	34D	6.5 ft bls 85/06/25	CAL/OEPA				0.79
45	34D	7.5 ft bls 85/06/25	CAL/OEPA				0.44
46	34D	8 ft bls 85/06/25	CAL/OEPA				0.32
47	35A	1.5 ft bls 85/06/25	CAL/OEPA				0.64
48	35A	3.5 ft bls 85/06/25	CAL/OEPA				0.4
49	35A	4.5 ft bls 85/06/25	CAL/OEPA				0.19
50	35A	6 ft bls 85/06/25	CAL/DEPA				0.16
51	35A	6.5 ft bls 85/06/25	CAL/OEPA				0.05
52	35A	8 ft bls 85/06/25	CAL/OEPA				0.06
53	EB-09	117.6 ft bls 89/10/31	ATI/ORG				3,400
54	EB-09	137.7 ft bls 89/10/31	ATI/ORG				1,040
55	EB-09	182.7 ft bls 89/10/31	ATI/ORG				569
56	EB-09	227 ft bls 89/10/31	ATI/ORG				2,440

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
57	EB-09	247.6 ft bls 89/10/31	ATI/ORG				3,160
58	EB-09	76 ft bls 89/10/31	ATI/ORG				789
59	EB-13	121 ft bls 89/11/28	ATI/ORG				700
60	EB-13	122.8 ft bls 89/11/28	ATI/ORG				11,000
61	EB-13	147.8 ft bls 89/11/28	ATI/ORG				2,500
62	EB-13	166.6 ft bls 89/11/28	ATI/ORG				300
63	EB-13	219.2 ft bls 89/11/29	ATI/ORG				4,700
64	EB-13	82.6 ft bls 89/11/28	ATI/ORG				200
65	G-08	106 ft bls 89/12/11	ATI/ORG				730
66	G-08	133 ft bls 89/12/11	ATI/ORG				9,900
67	G-08	181 ft bls 89/12/13	ATI/ORG				5,900
68	G-09	125.8 ft bls 89/12/02	ATI/ORG				400
69	G-09	165.8 ft bls 89/12/02	ATI/ORG				6,900
70	G-09	186.95 ft bls 89/12/04	ATI/ORG				1,700
71	G-09	85.55 ft bls 89/12/02	ATI/ORG				140
72	G-13	103.2 ft bls 89/10/05	ATI/ORG				223
73	G-13	112.4 ft bls 89/10/05	ATI/FD				288
74	G-13	112.4 ft bls 89/10/05	ATI/ORG				325
75	G-13	120 ft bls 89/10/05	ATI/ORG				<16,000
76	G-13	122 ft bls 89/10/05	ATI/ORG				417
77	G-13	146.2 ft bls 89/10/05	ATI/ORG				190
78	G-13	157.6 ft bls 89/10/07	ATI/ORG				245
79	G-13	194 ft bls 89/10/07	ATI/ORG				1,170
80	G-13	83.5 ft bls 89/10/05	ATI/ORG				400
81	LA015	0.5 ft bls 88/09/17	ATI/ORG			2.07	
82	LA015	2 ft bls 88/09/17	ATI/ORG			12.7	
83	LA015	2.6 ft bls 88/09/17	ATI/FD			12.1	
84	LA015	3.5 ft bls 88/09/17	ATI/ORG			11.9	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
85	LA016	0.5 ft bls 88/09/12	ATI/ORG	6.46	283	2.16	22,300
86	LA016	1.5 ft bls 88/09/12	ATI/ORG			3.72	
87	LA016	3 ft bls 88/09/12	ATI/ORG	4.48	687	9.36	9,100
88	LA017	2 ft bls 88/09/17	ATI/ORG			7.63	
89	LA017	3.5 ft bls 88/09/17	ATI/ORG			5.96	
90	LA018	0.5 ft bls 88/09/12	ATI/ORG			<1	
91	LA018	1.5 ft bls 88/09/12	ATI/ORG			7.01	
92	LA018	3 ft bls 88/09/12	ATI/ORG			7.03	
93	LA019	0.5 ft bls 88/09/12	ATI/ORG			6.32	
94	LA019	1.7 ft bls 88/09/12	ATI/ORG			9.14	
95	LA019	2.3 ft bls 88/09/12	ATI/FD			8.04	
96	LA019	3 ft bls 88/09/12	ATI/ORG			7.44	
97	LW-03	123 ft bls 89/11/14	ATI/ORG				4,800
98	LW-03	181.4 ft bls 89/11/14	ATI/ORG				3,500
99	LW-03	248 ft bls 89/11/18	ATI/ORG				4,700
100	LW-03	91.7 ft bls 89/11/14	ATI/ORG				300
101	S101A	126.5 ft bls 88/11/02	BAC/ORG			16	
102	S101A	69.3 ft bls 88/11/01	BAC/ORG			27	
103	S101A	89.3 ft bls 88/11/01	BAC/ORG			24	
104	S301	19.7 ft bls 88/10/24	BAC/ORG			19.4	
105	S301	28 ft bls 88/10/24	BAC/ORG			20.1	
106	S301	39.2 ft bls 88/10/25	BAC/ORG			4.79	
107	S301	39.7 ft bls 88/10/25	BAC/ORG			4.83	
108	S301	50.3 ft bls 88/10/25	BAC/ORG			12.6	
109	S301	60.4 ft bls 88/10/25	BAC/ORG			3.63	
110	S301A	127.8 ft bls 88/10/15	BAC/ORG			19	
111	S301A	72.6 ft bls 88/10/14	BAC/ORG			16	
112	S301A	82.1 ft bls 88/10/14	BAC/ORG			24	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
113	S301A	89.7 ft bls 88/10/14	BAC/ORG			21	
114	S301B	9.2 ft bls 88/10/28	BAC/ORG			18	
115	S302A	125.3 ft bls 88/10/18	BAC/ORG			19	
116	S302A	73.5 ft bls 88/10/17	BAC/ORG			21	
117	S302A	79.6 ft bls 88/10/18	BAC/ORG			20	
118	S302E	5.1 ft bls 88/10/27	BAC/ORG	7.1		19	20,000
119	S302E	8.3 ft bls 88/10/27	BAC/ORG			19	
120	S302E	8.8 ft bls 88/10/27	BAC/FD			19	
121	S302F	21.8 ft bls 88/10/28	BAC/ORG			22	
122	S302F	22.3 ft bls 88/10/28	BAC/ORG	8	3000	18	18,000
123	S302F	31.3 ft bls 88/10/28	BAC/ORG			9	
124	S302F	31.8 ft bls 88/10/28	BAC/ORG	7.7	1400	7	14,000
125	S302F	39.2 ft bls 88/10/28	BAC/ORG			9	
126	S302F	39.7 ft bls 88/10/28	BAC/FD			9	
127	S302F	49.2 ft bls 88/10/28	BAC/ORG			7	
128	S302F	49.7 ft bls 88/10/28	BAC/ORG	7.6	750	6	18,000
129	S302F	5.9 ft bls 88/10/28	BAC/ORG	7.5	600	17	7,000
130	S302F	59.2 ft bls 88/10/28	BAC/ORG			3	
131	S302F	9.1 ft bls 88/10/28	BAC/ORG			12	
132	S303	18.4 ft bls 88/09/19	BAC/ORG			19	
133	S303	25.7 ft bls 88/09/19	BAC/ORG			11	
134	S303	36.7 ft bls 88/09/19	BAC/ORG			3.1	
135	S303	48 ft bls 88/09/19	BAC/ORG			3.3	
136	S303	54.7 ft bls 88/09/19	BAC/ORG			4	
137	S303	55.2 ft bls 88/09/19	BAC/FD			6.4	
138	S303	8.4 ft bls 88/09/19	BAC/ORG			14	
139	S303A	83.5 ft bls 88/10/27	BAC/ORG			20	
140	S303A	89.1 ft bls 88/10/27	BAC/ORG			22	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
141	S303A	91.6 ft bls 88/10/27	BAC/ORG			23	
142	S304	19.7 ft bls 88/10/26	BAC/ORG			18	
143	S304	29.6 ft bls 88/10/26	BAC/ORG			6	
144	S304	30.1 ft bls 88/10/26	BAC/FD			6	
145	S304	38.3 ft bls 88/10/26	BAC/ORG			5	
146	S304	44.1 ft bls 88/10/26	BAC/ORG			19	
147	S304	51.7 ft bls 88/10/26	BAC/ORG			4	
148	S304	58.8 ft bls 88/10/26	BAC/ORG			2	
149	S304	9.2 ft bls 88/10/26	BAC/ORG			14	
150	S304A	78.3 ft bls 88/10/13	BAC/ORG			25.1	
151	S304A	81 ft bls 88/10/13	BAC/ORG			25.6	
152	S305	14.6 ft bls 88/09/26	BAC/ORG			15	
153	S305	24.3 ft bls 88/09/26	BAC/ORG	7.9	260	17	1,450
154	S305	34.3 ft bls 88/09/26	BAC/ORG	8	760	9	1,170
155	S305	37 ft bls 88/09/26	BAC/ORG			8	
156	S305	44.3 ft bls 88/09/26	BAC/ORG			5	
157	S305	44.8 ft bls 88/09/26	BAC/ORG			5	
158	S305	5 ft bls 88/09/26	BAC/ORG	3.4	490	16	8,400
159	S305	54.3 ft bls 88/09/26	BAC/ORG	7.4	3400	29	930
160	S305	64.3 ft bls 88/09/26	BAC/ORG			5	
161	S305	7.8 ft bls 88/09/26	BAC/ORG			24	
162	S305	74.7 ft bls 88/09/26	BAC/ORG			25	
163	S305A	129.3 ft bls 88/10/17	BAC/ORG			18	
164	S305A	73.2 ft bls 88/10/16	BAC/ORG			24	
165	S305A	81.5 ft bls 88/10/16	BAC/ORG			25	
166	S305A	90.9 ft bls 88/10/16	BAC/ORG			23	
167	T022	0.75 ft bls 88/09/15	ATI/ORG			10.6	
168	T022	2.5 ft bls 88/09/15	ATI/ORG			8.87	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
169	T022	4.5 ft bls 88/09/15	ATI/ORG			9.91	
170	T022	6.5 ft bls 88/09/15	ATI/ORG			12.4	
171	T022	8.5 ft bls 88/09/15	ATI/ORG			10.5	
172	T023	0.75 ft bls 88/09/15	ATI/ORG			13.8	
173	T023	1.25 ft bls 88/09/15	ATI/FD			8.97	
174	T023	2.5 ft bls 88/09/15	ATI/ORG			12.3	
175	T023	4.5 ft bls 88/09/15	ATI/ORG			11.8	
176	T023	6.5 ft bls 88/09/15	ATI/ORG			8.29	
177	T023	8.5 ft bls 88/09/15	ATI/ORG			9.25	
178	T024	0.75 ft bls 88/09/15	ATI/ORG			8.47	
179	T024	2.5 ft bls 88/09/15	ATI/ORG			8.78	
180	T024	4.5 ft bls 88/09/15	ATI/ORG			12.4	
181	T024	6.5 ft bls 88/09/15	ATI/ORG			11.4	
182	T024	7 ft bls 88/09/15	ATI/FD			8.72	
183	T024	8.5 ft bls 88/09/15	ATI/ORG			8.31	
184	T025	0.75 ft bls 88/09/15	ATI/ORG			8.03	
185	T025	2.5 ft bls 88/09/15	ATI/ORG			9.56	
186	T025	4.5 ft bls 88/09/15	ATI/ORG			10.4	
187	T025	6.5 ft bls 88/09/15	ATI/ORG			11.8	
188	T025	8.5 ft bls 88/09/15	ATI/ORG			11.3	
189	T026	0.75 ft bls 88/09/15	ATI/ORG			8.29	
190	T026	2.5 ft bls 88/09/15	ATI/ORG			11.8	
191	T026	4.5 ft bls 88/09/15	ATI/ORG			10.6	
192	T026	6.5 ft bls 88/09/15	ATI/ORG			26.3	
193	T026	8.5 ft bls 88/09/15	ATI/ORG			10.4	
194	T027	0.75 ft bls 88/09/15	ATI/ORG			9.69	
195	T027	2.5 ft bls 88/09/15	ATI/ORG			6.38	
196	T027	4.5 ft bls 88/09/15	ATI/ORG			10.9	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

Sample	PARAMETER			pH	Electrical Conductivity (µmhos/cm)	Moisture In Soil, Percent	Total Organic Carbon (mg/kg)
197	T027	6.5 ft bls 88/09/15	ATI/ORG			12.2	
198	T027	8.5 ft bls 88/09/15	ATI/ORG			10.7	
199	T027	9 ft bls 88/09/15	ATI/FD			10.7	
200	T033	9.5 ft bls 88/09/16	ATI/ORG			20.3	
201	T034	1.5 ft bls 88/09/16	ATI/ORG			6.59	
202	T034	2.5 ft bls 88/09/16	ATI/ORG			13.9	
203	T034	3.5 ft bls 88/09/16	ATI/ORG			12.3	
204	T034	4.5 ft bls 88/09/16	ATI/ORG			15.3	
205	T034	5.5 ft bls 88/09/16	ATI/ORG			15.5	
206	T034	6 ft bls 88/09/16	ATI/FD			16.3	
207	T042	10.25 ft bls 88/09/13	ATI/ORG			16.2	
208	T042	13.75 ft bls 88/09/13	ATI/ORG			16.4	
209	T042	16.25 ft bls 88/09/13	ATI/ORG			16.3	
210	T042	19.25 ft bls 88/09/13	ATI/ORG			14.8	
211	T042	22.25 ft bls 88/09/13	ATI/ORG			8.34	
212	T042	22.75 ft bls 88/09/13	ATI/FD			8.06	
213	T046	11.25 ft bls 88/09/13	ATI/ORG			15.9	
214	T046	16.25 ft bls 88/09/13	ATI/ORG			17.6	
215	T046	21.25 ft bls 88/09/13	ATI/ORG			21.5	
216	T046	26.25 ft bls 88/09/13	ATI/ORG			8.63	
217	T046	30.75 ft bls 88/09/13	ATI/ORG			9.32	
218	T046	31.25 ft bls 88/09/13	ATI/FD			8.7	
219	T046	35.75 ft bls 88/09/13	ATI/ORG			8.31	
220	T046	41.25 ft bls 88/09/13	ATI/ORG			29.1	
221	T046	45.75 ft bls 88/09/13	ATI/ORG			5.32	
222	T046	51.25 ft bls 88/09/13	ATI/ORG			4.77	
223	T046	55.75 ft bls 88/09/13	ATI/ORG			3.76	
224	T046	60.75 ft bls 88/09/13	ATI/ORG			18.3	

NOTE: See the last page of this table for footnotes.

TABLE E.6
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, MOISTURE, AND TOTAL ORGANIC CARBON IN SOIL

NOTES

Sample heading provides the following information: Boring Identifier, Sample Depth, Sample Date, and Analytical Laboratory/Quality Assurance Code.

ft bls = Feet below land surface
Mg/kg = Milligrams per kilogram
Umhos/cm = Micromhos per centimeter

ATI = Analytical Tech. Inc.
BAC = Brown & Caldwell
CAL = California Analytical

DEPA = Duplicate EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original
SPT = Split Sample

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD	BF-01 87/01/13 BAC/ORG	BF-01 89/11/18 ATI/SPT	BF-02 87/01/07 BAC/FD	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-04 87/01/08 BAC/LD	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-04 90/11/29 BAC/ORG	BF-05 89/02/07 BAC/LD	BF-05 89/02/07 BAC/ORG	BF-05 89/10/25 ATI/SPT	BF-06 89/02/08 BAC/ORG	BF-07 89/02/09 BAC/ORG
Acidity-Alkalinity (pH)	7.5	7.8	7.8	7.21	7.4	7.3	7.5	7.3	7.5	7.4	7.4	7.6		8	8.1	7.7	7.5	7.3
Electrical Conductivity (umos/cm)	980	1000	1000		970	970	1000	1400	1500	1100	1100	1100						
Total Organic Carbon (Mg/l)													33					

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	BF-07 90/02/24 ATI/SPT	BF-08 89/02/06 BAC/LD	BF-08 89/02/06 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-09 89/02/10 BAC/ORG	BF-11 90/04/17 ATI/SPT	BF-13 89/11/06 ATI/SPT	BF-14 89/10/26 ATI/SPT	BF-15 89/11/14 ATI/SPT	BF-16 89/12/19 ATI/SPT	BF-16 90/08/04 ATI/SPT	BF-16 90/11/29 BAC/ORG	BF-17 89/12/20 ATI/SPT	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG	BF-18 91/10/10 ATI/ORG	BF-19 91/10/09 ATI/ORG	BF-20 91/10/11 ATI/ORG
Acidity-Alkalinity (pH)	7.05	7.7	7.7		7.6	6.84	6.57	7.77	7.71	8.35	7.71		7.9			8.01	7.95	7.68
Electrical Conductivity (umos/cm)																877	699	1120
Total Organic Carbon (Mg/l)				16								5		13	13	4	3	4.6

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	BF-21 91/10/17 ATI/ORG	BF-22 91/10/16 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/10/10 ATI/ORG	BF-25 91/10/17 ATI/ORG	BF-26 91/10/17 ATI/ORG	BF-27 91/10/17 ATI/ORG	BF-28 91/10/16 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/10/16 ATI/ORG	BF-31 91/10/16 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-33 91/10/16 ATI/ORG	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-01 90/12/01 BAC/ORG	G-02 87/01/07 BAC/ORG
Acidity-Alkalinity (pH)	7.65	7.49	7.56	7.55	7.5	7.79	7.44	7.4	7.76	7.9	7.74	7.26	7.31	11	11	12		8.4
Electrical Conductivity (umos/cm)	1130	1050	1190	1060	1180	1100	1180	1140	1150	848	1110	2810	1860	870	910	1100		640
Total Organic Carbon (Mg/l)	15.8	3.1	20.4	27.7	61.7	21.5	2.9	7.9	0.9	1.9	2.2	3.5	1.7				25	

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	G-02 87/01/12 BAC/ORG	G-02 90/12/02 BAC/ORG	G-03 87/01/07 BAC/ORG	G-03 87/01/13 BAC/LD	G-03 87/01/13 BAC/ORG	G-04 89/02/07 BAC/ORG	G-04 90/11/28 BAC/ORG	G-05 89/02/08 BAC/LD	G-05 89/02/08 BAC/ORG	G-05 90/04/21 ATI/SPT	G-06 89/02/09 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 90/11/30 BAC/ORG	G-08 90/01/10 ATI/SPT	G-08 90/12/03 BAC/ORG	G-09 90/08/05 ATI/SPT	G-10 91/10/10 ATI/ORG	G-11 90/02/23 ATI/SPT
Acidity-Alkalinity (pH)	8.4		8.4	8.5	8.5	7.9		7.9	7.9	7.63	7.9	8.1		7.74		7.95	8.18	7.95
Electrical Conductivity (umos/cm)	700		520	500	500												627	
Total Organic Carbon (Mg/l)		12					11						9		5		1.1	

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	G-12 89/10/27 ATI/SPT	G-13 89/11/15 ATI/SPT	G-13 90/11/30 BAC/ORG	G-14 91/10/09 ATI/ORG	G-15 91/10/08 ATI/ORG	G-16 91/10/17 ATI/ORG	G-17 91/10/11 ATI/ORG	G-18 91/10/16 ATI/ORG	G-19 91/10/10 ATI/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LG-01 90/08/03 ATI/SPT	LG-02 89/02/10 BAC/ORG	LW-01 89/11/17 ATI/SPT	LW-01 90/02/25 ATI/SPT	LW-01 90/04/18 ATI/SPT	LW-03 89/12/08 ATI/SPT
Acidity-Alkalinity (pH)	7.61	8.68		8.25	7.94	7.91	7.98	7.82	7.96	9.5	9.3	9.3	7.82	7.8	8.24	8.28	8.26	7.88
Electrical Conductivity (umos/cm)				586	474	534	634	519	515	340	350	340						
Total Organic Carbon (Mg/l)			9	1.4	3	0.8	6.5	<0.5	3.8									

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	LW-04 91/10/11 ATI/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/10/08 ATI/ORG	LW-07 91/10/17 ATI/ORG	MW-01 00/01/01 BAC/LD	MW-01 85/05/02 BCL/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/08/13 BCL/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-02 85/05/02 BCL/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/08/13 BCL/ORG	MW-02 87/01/09 BAC/LD	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-03 85/08/13 BCL/ORG	MW-03 87/01/09 BAC/ORG
Acidity-Alkalinity (pH)	7.99	8.16	8.01	8	7.1	7.7	6.4	7.3	6.7	7.1	7.2	5.8	6.7	6.3	6.3	6.8	7.3	6.9
Electrical Conductivity (umos/cm)	453	479	464	532	6200	4400	3900	4400	6000	6200	1370	14000	13800	14000	14000	15000	1660	1300
Total Organic Carbon (Mg/l)	2.5	1.4	2.7	1.8														

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	MW-03 87/01/14 BAC/ORG	MW-03 90/11/28 BAC/ORG	MW-04 85/05/02 BCL/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/08/13 BCL/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-05 85/08/13 BCL/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-06 89/02/08 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-09 89/05/12 BAC/ORG
Acidity-Alkalinity (pH)	7		7.2	6.5	7.1	6.8	7.2	7.1	6.8	6.6	6.8			6.8		6.7	7.7	6.8
Electrical Conductivity (umos/cm)	1600		3100	3200	3300	3600	3000	4300	3600	3900	4000							
Total Organic Carbon (Mg/l)		4										31	30		24			

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	MW-10 89/02/10 BAC/LD	MW-10 89/02/10 BAC/ORG	MW-11 89/02/10 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-12 90/04/18 ATI/SPT	MW-12 90/11/28 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-14 89/02/09 BAC/LD	MW-14 89/02/09 BAC/ORG	MW-14 89/10/24 ATI/SPT	MW-14 90/12/02 BAC/ORG	MW-15 89/02/06 BAC/ORG	MW-16 90/04/05 BAC/ORG	MW-16 90/04/18 ATI/SPT	MW-17 90/04/05 BAC/ORG	MW-18 90/04/05 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-19 90/04/05 BAC/ORG
Acidity-Alkalinity (pH)	7	7	7.1	7.1	7.75		6.8	6.8	6.8	6.65		7.1	7.3	6.85	7.1	7.5	7.22	7.3
Electrical Conductivity (umos/cm)													1600		2000	760		1300
Total Organic Carbon (Mg/l)						50					31							

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

PARAMETER	MW-19 90/11/29 BAC/ORG	MW-20 90/08/06 ATI/SPT	MW-21 90/04/05 BAC/ORG	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 90/02/22 ATI/SPT	MW-26 89/10/28 ATI/SPT	MW-27 91/10/09 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/17 ATI/ORG
Acidity-Alkalinity (pH)		6.99	6.9	7.28	7.3	7.34	7.55	6.81	7.36	6.87	6.87	7.03
Electrical Conductivity (umos/cm)			2600		1800				2300	2220	1530	2000
Total Organic Carbon (Mg/l)	<3								3.3	13.5	3	1.2

NOTE: See last page of this table for footnotes.

TABLE E.7
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TOTAL ORGANIC CARBON IN GROUNDWATER

NOTES

Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

Mg/l = Milligrams per liter
Umhos/cm = Micromhos per centimeter

ATI = Analytical Tech. Inc.
BAC = Brown & Caldwell
BCL = BC Labs

FD = Field Duplicate
LD = Lab Duplicate
ORG = Original
SPT = Split Sample

TABLE E.8
MOISTURE AND TOTAL ORGANIC CARBON IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	T01C T01C-0.5 88/09/02 BAC/ORG	T01C T01C-1.5 88/09/02 BAC/ORG	T03B T03B-0.5 88/09/02 BAC/ORG	T03B T03B-1.5 88/09/02 BAC/ORG	T03B T03B-2.4 88/09/02 BAC/ORG	T06A T06A-COMPOSITE 88/09/02 BAC/ORG	T06A T60A-COMPOSITE 88/09/02 BAC/FD	T07C T07C-0.5 88/09/02 BAC/ORG	T07C T07C-1.9 88/09/02 BAC/ORG	T09C T09C-COMPOSITE 88/09/03 BAC/ORG	T09C T90C-COMPOSITE 88/09/03 BAC/FD	T13C T13C-0.5 88/09/01 BAC/ORG	T13C T13C-1.5 88/09/01 BAC/ORG
Moisture, In Percent	44	50	33	42	44	39	49	47	38	51	42	32	57
Total Organic Carbon (Mg/kg)						2800	2700			24000			

TABLE E.8
MOISTURE AND TOTAL ORGANIC CARBON IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	T14A T14A-0.7 88/09/01 BAC/ORG	T18C T18C-0.5 88/09/01 BAC/ORG	T18C T18C-1.5 88/09/01 BAC/ORG
Moisture, in Percent	34	55	40
Total Organic Carbon (Mg/kg)			

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NOTE: See last page of this table for footnotes.

TABLE E.8
MOISTURE AND TOTAL ORGANIC CARBON IN SEDIMENT

NOTES

Sample heading provides the following information: Sample Location, Sample Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

Mg/L = Milligrams per liter

BAC = Brown & Caldwell

FD = Field Duplicate

ORG = Original

TABLE E.9
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TEMPERATURE OF SURFACE WATER SAMPLES

PARAMETER	SW01 R2-SW01 87/01/04 BAC/ORG	SW01 R3-SW01 87/01/06 BAC/ORG	SW01 R5-SW01 87/03/06 BAC/ORG	SW01 R5-SW100 87/03/06 BAC/FD	SW02 R2-SW02 87/01/04 BAC/ORG	SW02 R2-SW200 87/01/04 BAC/FD	SW02 R3-SW02 87/01/06 BAC/ORG	SW02 R4-SW02 87/02/13 BAC/ORG	SW02 R5-SW02 87/03/06 BAC/ORG	SW03 R2-SW03 87/01/04 BAC/ORG	SW03 R3-SW03 87/01/06 BAC/ORG	SW03 R3-SW300 87/01/06 BAC/FD	SW03 R4-SW03 87/02/13 BAC/ORG	SW03 R5-SW03 87/03/06 BAC/ORG	SW03 R5-SW300 87/03/06 BAC/FD	SW04 R2-SW04 87/01/04 BAC/ORG	SW04 R3-SW04 87/01/06 BAC/ORG
Acidity/Alkalinity (pH)	6.3	6.9	7	7	6.6	6.6	7.1	8.2	6.9	5.1	6.5	6.5	7.8	7	7	6.6	6.8
Electrical Conductivity (Umhos/cm)	3900	1250	2400	2400	50	50	75	90	130	2500	130	130	150	230	230	140	75
Temperature (°C)	14	12	15	15	14	14	11	17	16	14	11	11	13	16	16	15	12

NOTE: See last page of this table for footnotes.

TABLE E.9
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TEMPERATURE OF SURFACE WATER SAMPLES

PARAMETER	SW04 R4-SW04 87/02/13 BAC/ORG	SW04 R5-SW04 87/03/06 BAC/ORG	SW05 R2-SW05 87/01/04 BAC/ORG	SW05 R3-SW05 87/01/08 BAC/ORG	SW05 R5-SW05 87/03/06 BAC/ORG	SW06 R5-SW06-COMPOSITE 87/03/06 BAC/ORG	SW07 R4-SW07-COMPOSITE 87/02/13 BAC/ORG	SW07 R5-SW07-COMPOSITE 87/03/06 BAC/ORG	SW08 R4-SW08-COMPOSITE 87/02/13 BAC/ORG	SW08 R5-SW08-COMPOSITE 87/03/06 BAC/ORG	SW09 R4-SW09-COMPOSITE 87/02/13 BAC/ORG
Acidity/Alkalinity (pH)	7.6	7.1	6.4	6.8	7.1	7	7.5	7.1	7.3	7.2	7.3
Electrical Conductivity (Umhos/cm)	200	100	120	100	270	9000	290	11000	7500	16000	20000
Temperature (°C)	17	16	14	12	17	17	17	19	18	20	18

NOTE: See last page of this table for footnotes.

TABLE E.9
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TEMPERATURE OF SURFACE WATER SAMPLES

PARAMETER	SW09 R5-SW09-COMPOSITE 87/03/06 BAC/ORG	SW10 R4-SW10-COMPOSITE 87/02/13 BAC/ORG	SW10 R5-SW10-COMPOSITE 87/03/06 BAC/ORG	SW11 R5-SW11 87/03/06 BAC/ORG	SW12 R5-SW12 87/03/06 BAC/ORG	SW13 R5-SW13 87/03/06 BAC/ORG	SW14 R5-SW14 87/03/06 BAC/ORG	SW15 R5-SW15 87/03/06 BAC/ORG	SW16 R5-SW16 87/03/06 BAC/ORG	SW17 R5-SW17 87/03/06 BAC/ORG	SW18 R5-SW18 87/03/06 BAC/ORG	SW19 R5-SW19 87/03/06 BAC/ORG	SW20 R5-SW20 87/03/06 BAC/ORG
Acidity/Alkalinity (pH)	7.3	7.3	7.4	7.5	7.6	7.8	7.8	7.7	7.7	7.7	7.6	7.8	7.8
Electrical Conductivity (Umhos/cm)	20000	28000	19000	31000	34000	34000	34000	34000	34000	34000	34000	34000	34000
Temperature (°C)	20	21	17	20	18	17	17	17	18	17	17	17	17

NOTE: See last page of this table for footnotes.

TABLE E.9
ACIDITY/ALKALINITY, ELECTRICAL CONDUCTIVITY, AND TEMPERATURE OF SURFACE WATER SAMPLES

NOTES

Sample heading provides the following information: Sample Location, Sample Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

Umhos/cm = Micromhos per centimeter

BAC = Brown & Caldwell

FD = Field Duplicate
ORG = Original

APPENDIX F

WATER LEVEL HYDROGRAPHS

APPENDIX F

WATER LEVEL HYDROGRAPHS

NOTE: Water level data obtained during the period February 1994 through June 1995 were obtained form Dames & Moore on behalf of the Del Amo respondents.

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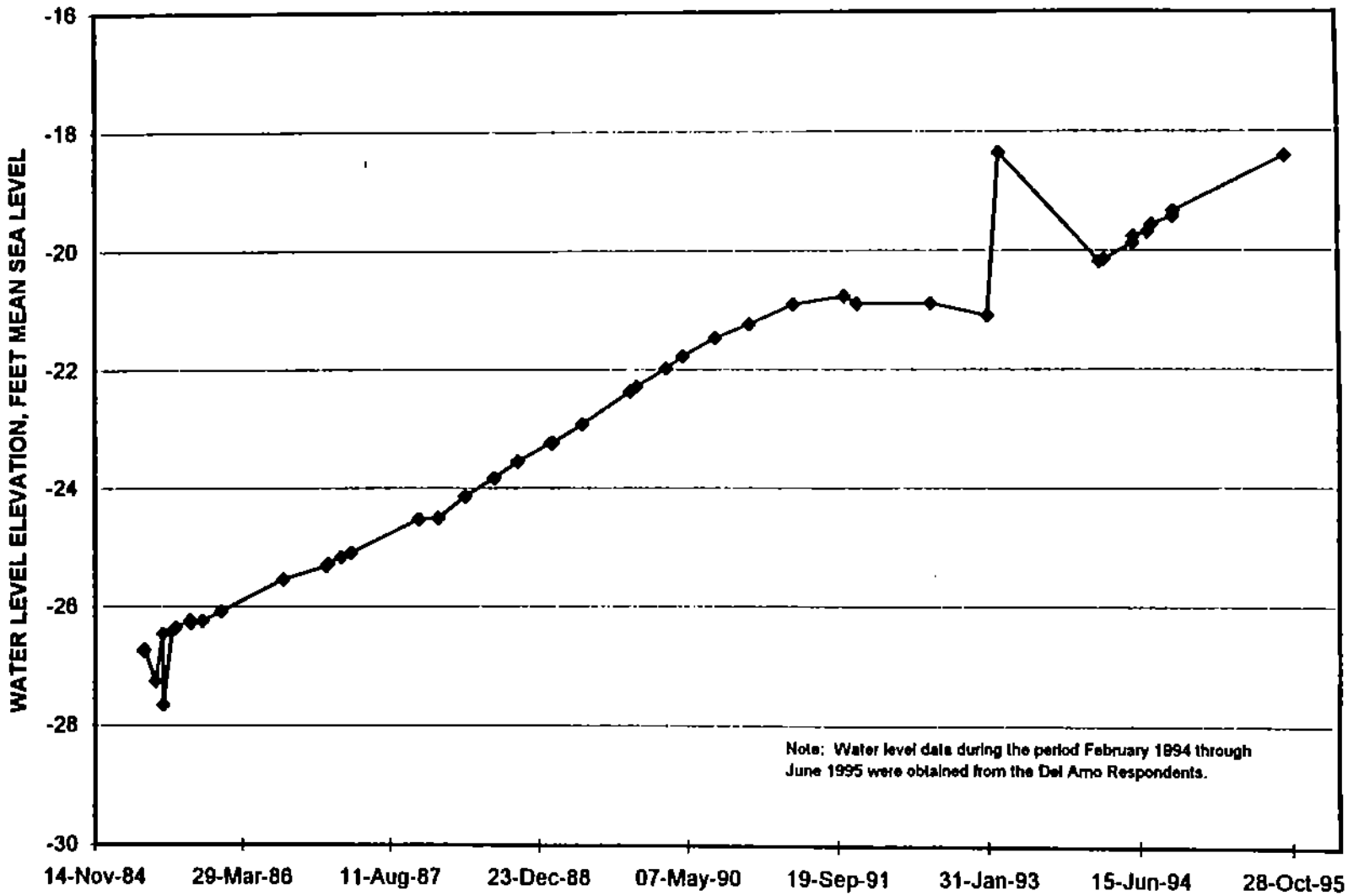
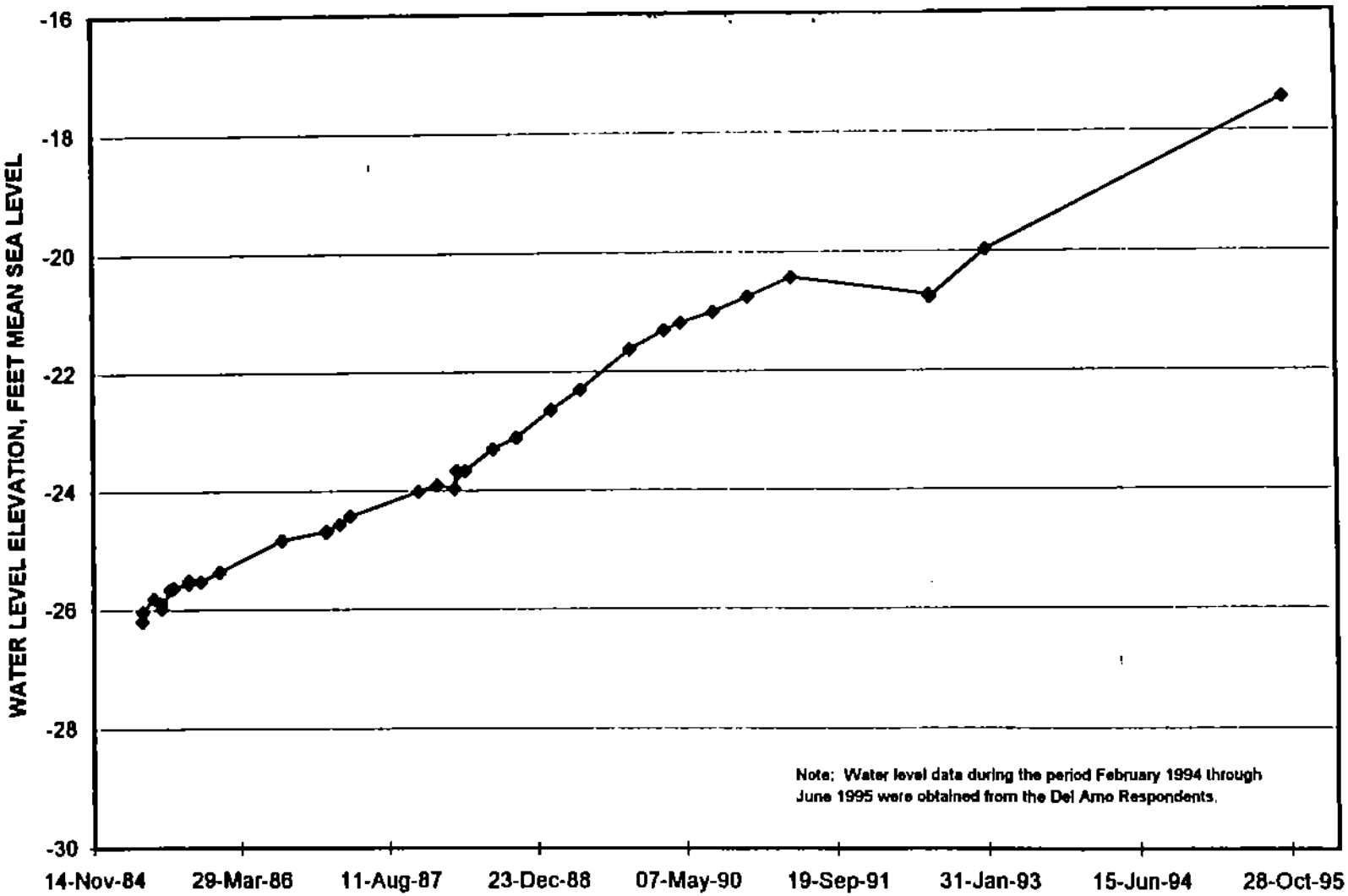


FIGURE F-1 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-01



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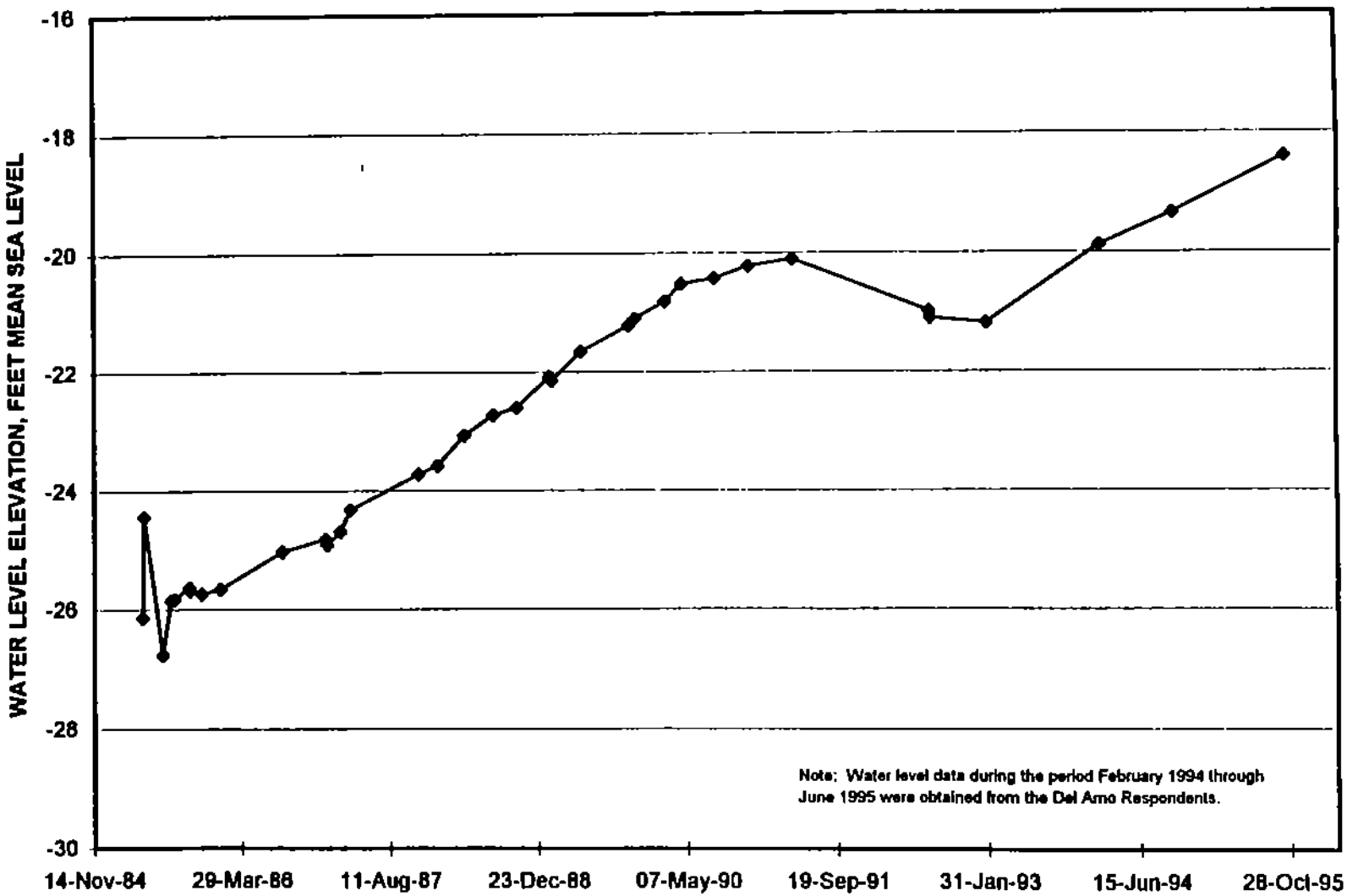

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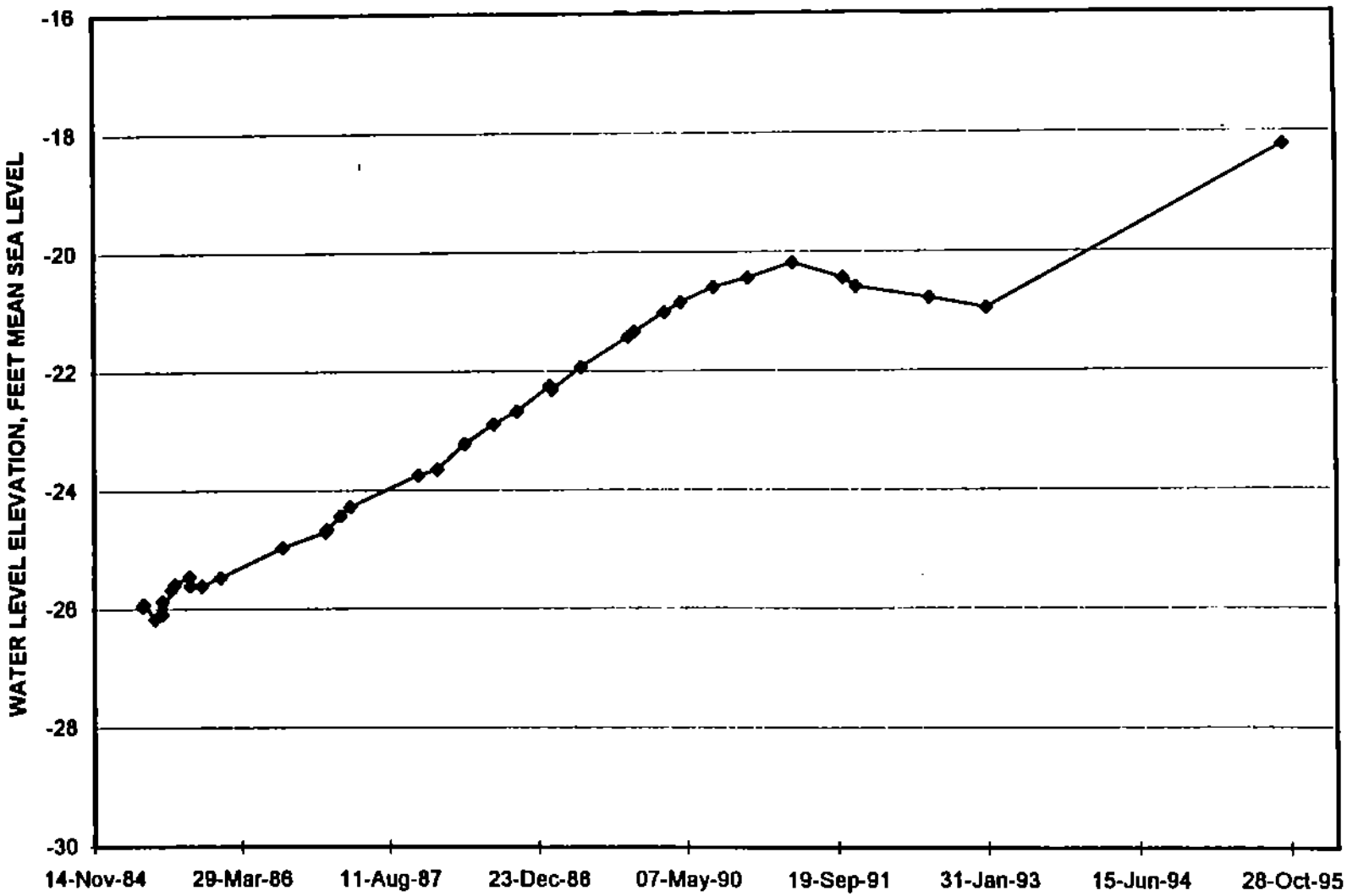

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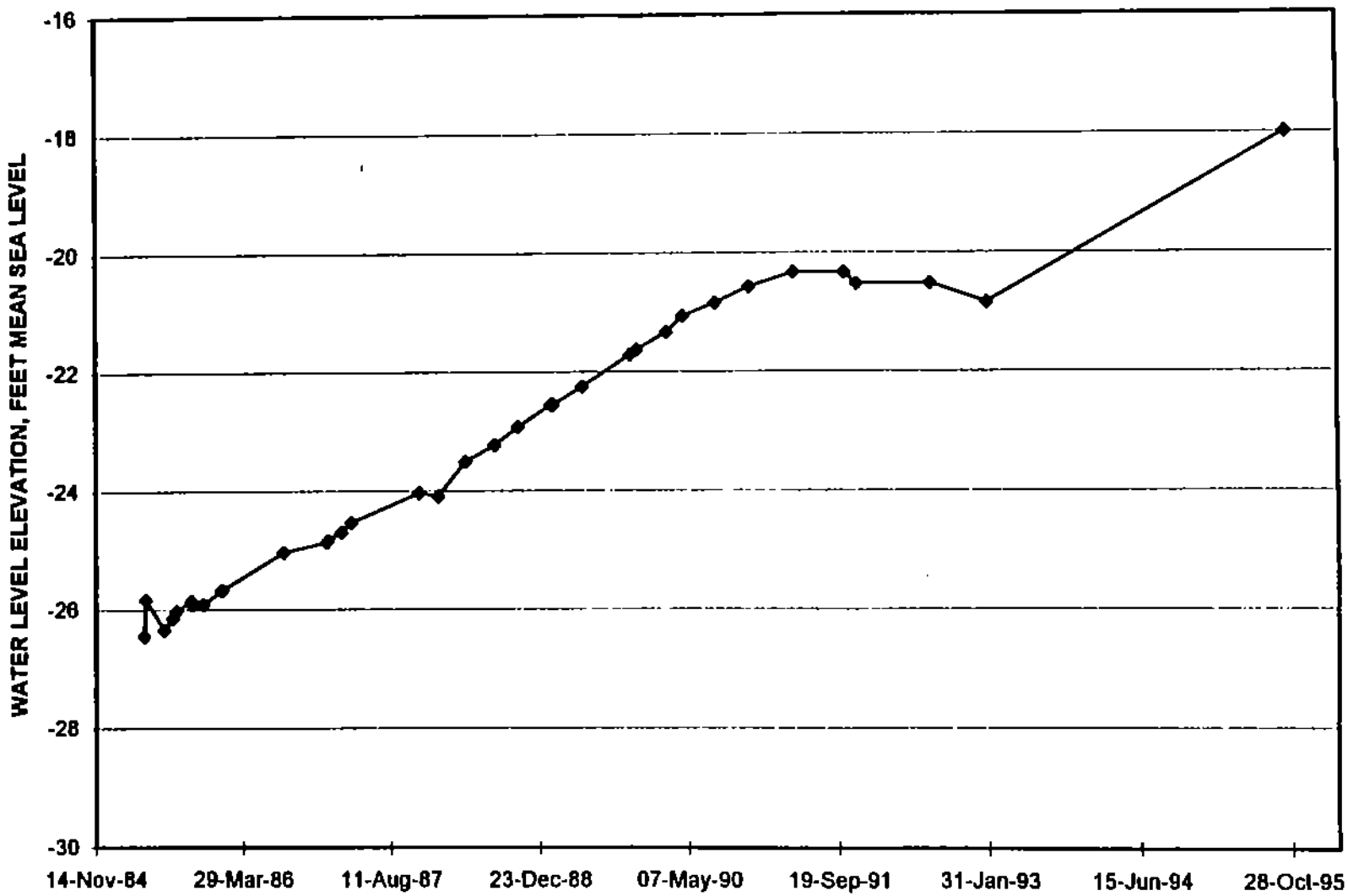

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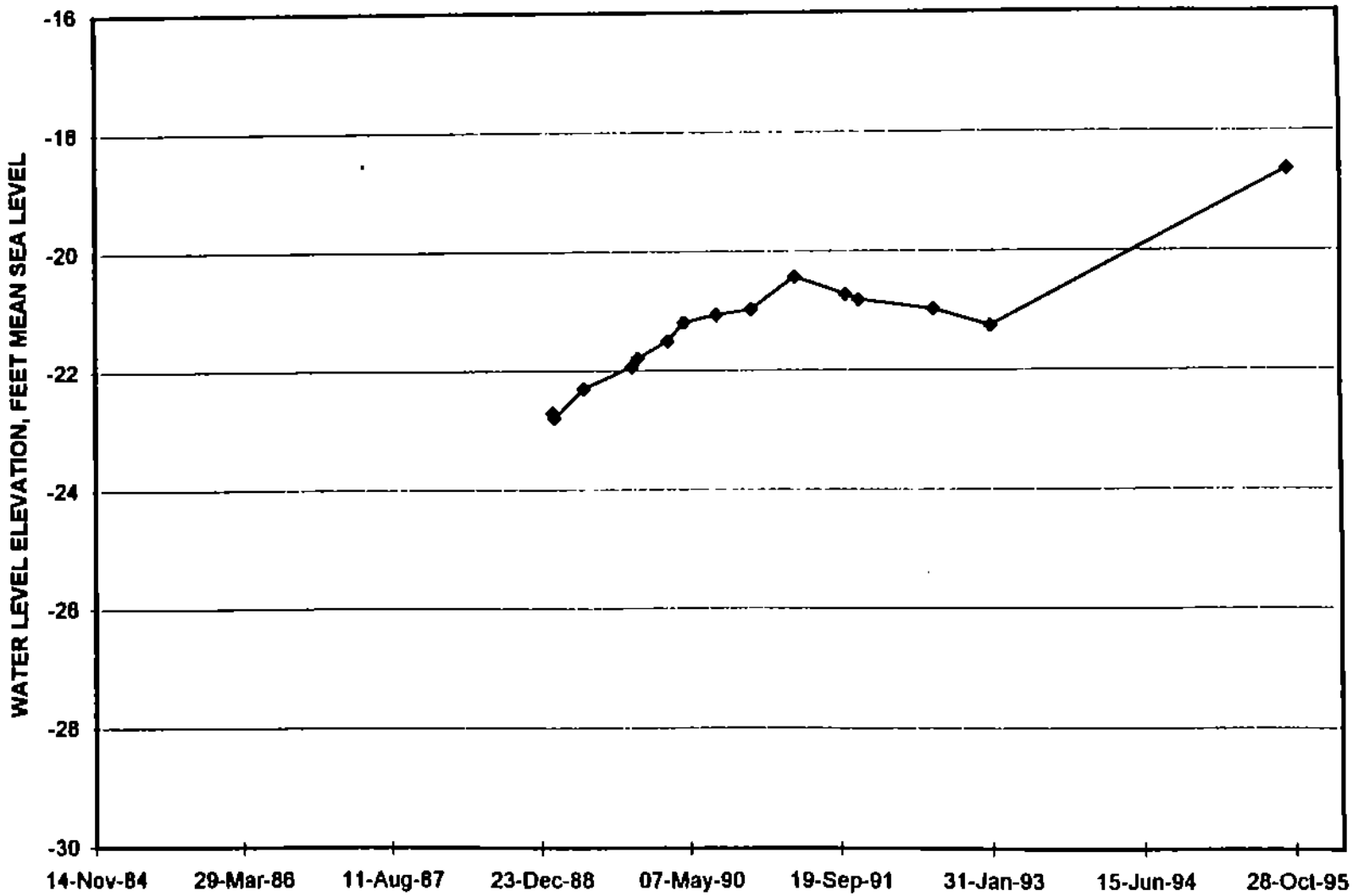
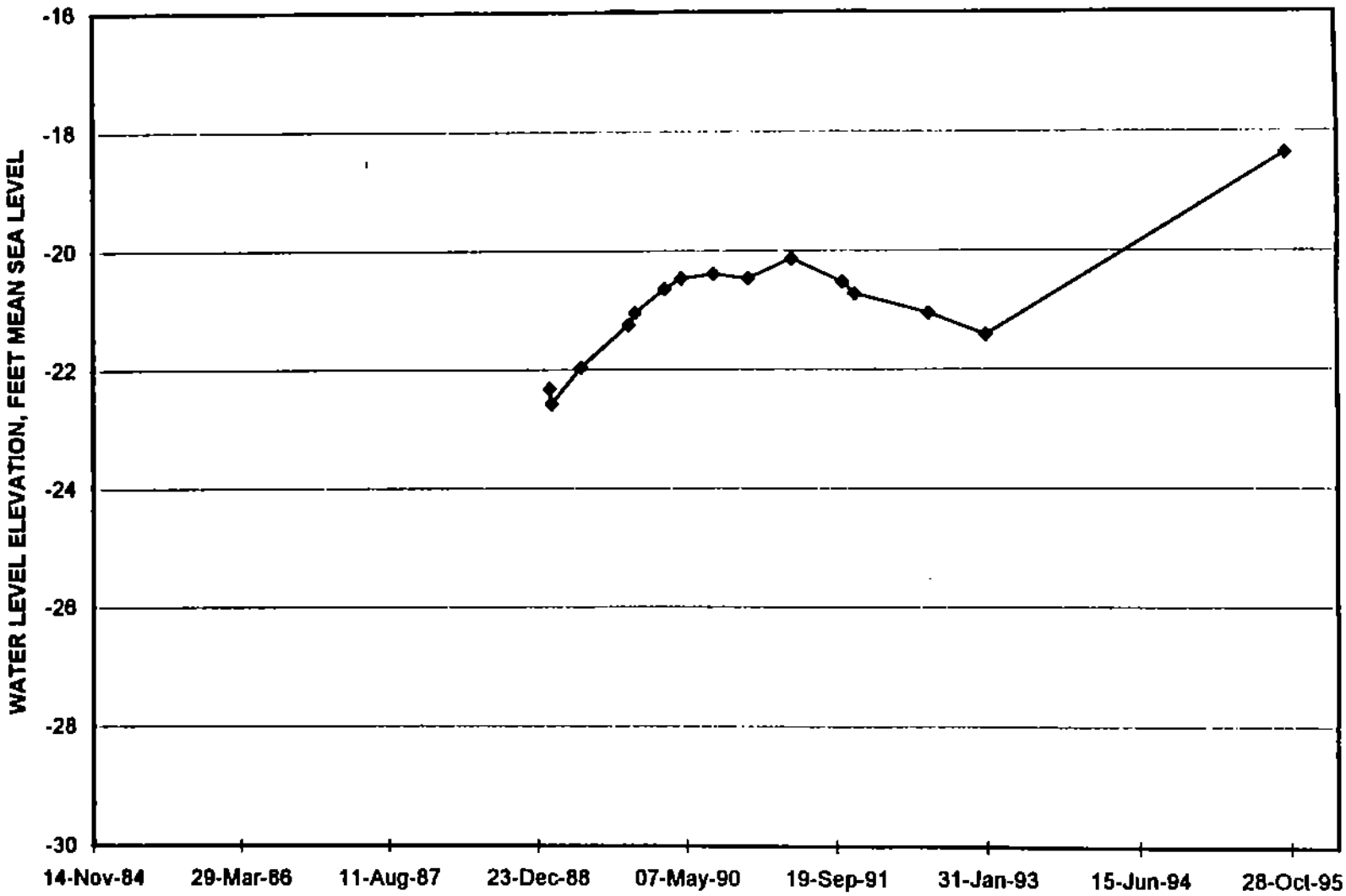


FIGURE F-6 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-06



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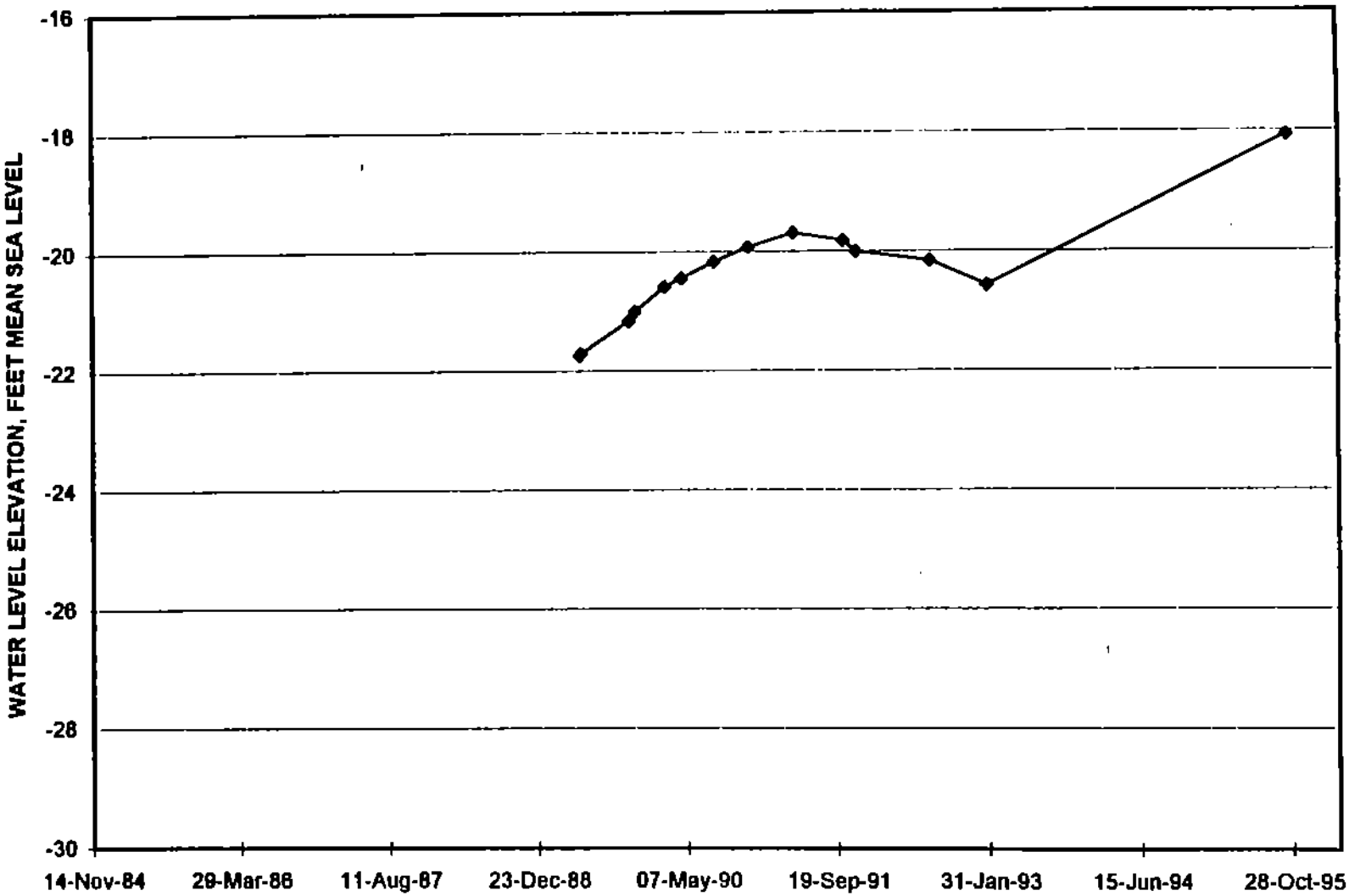

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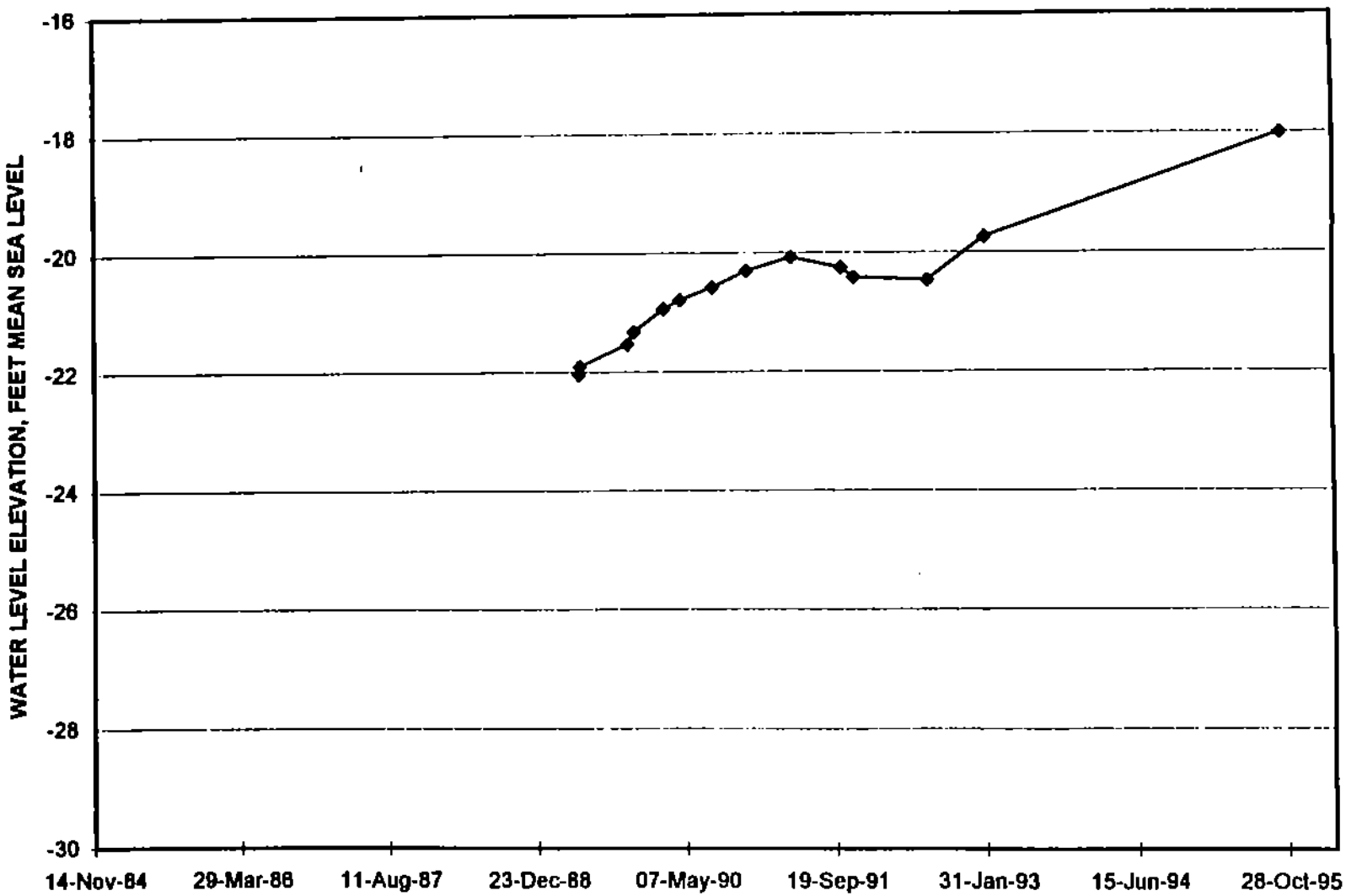

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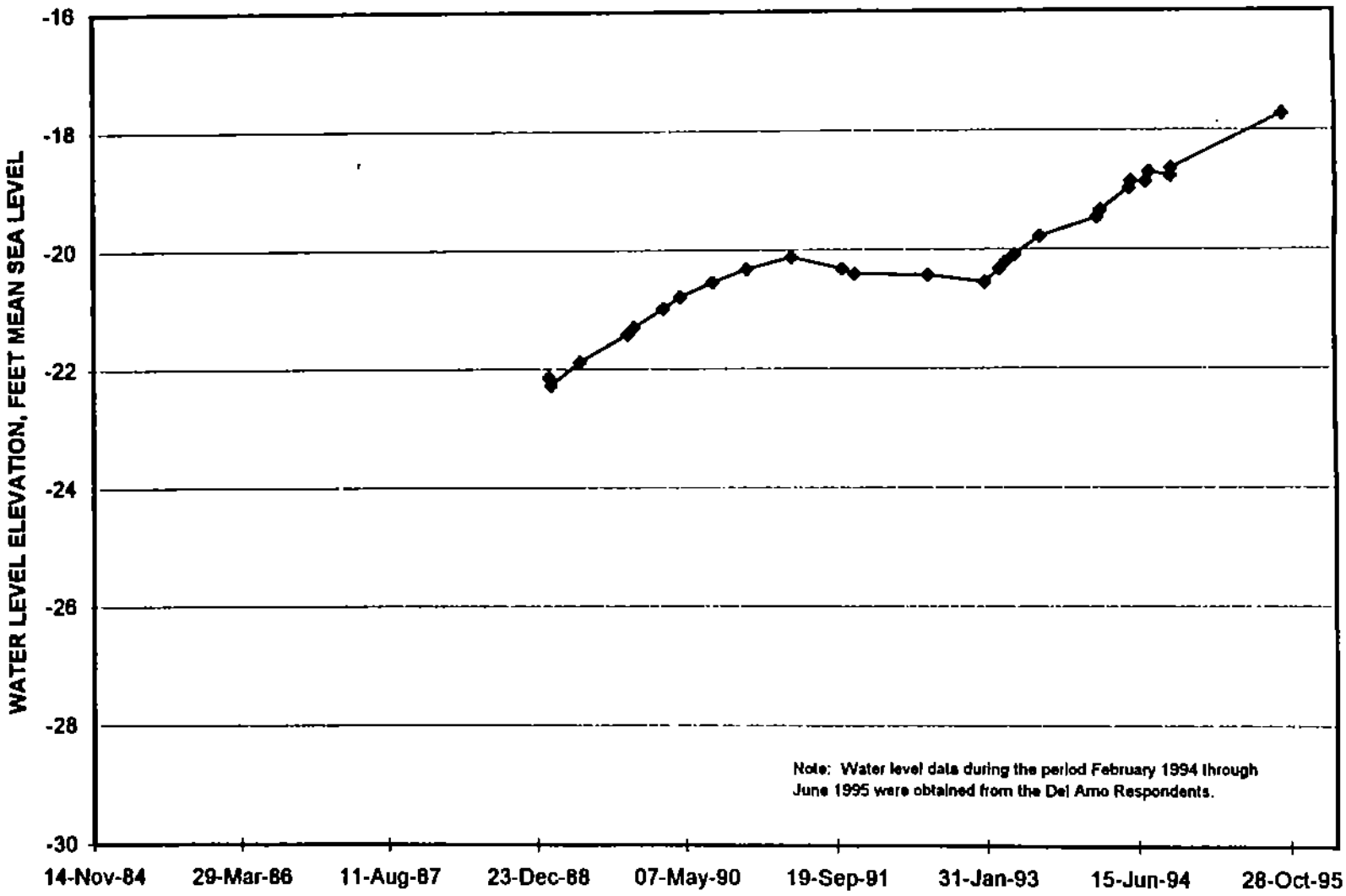

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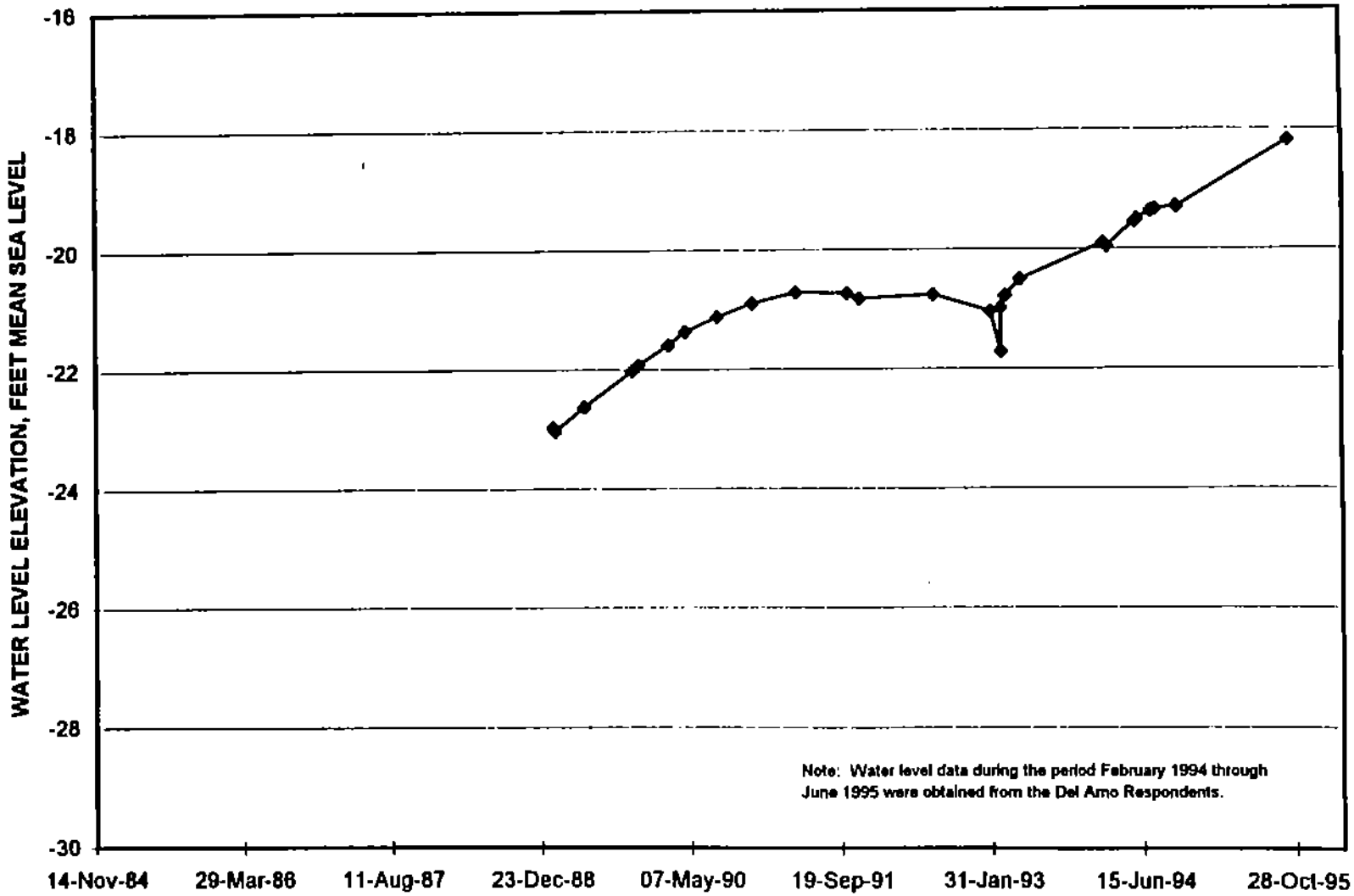

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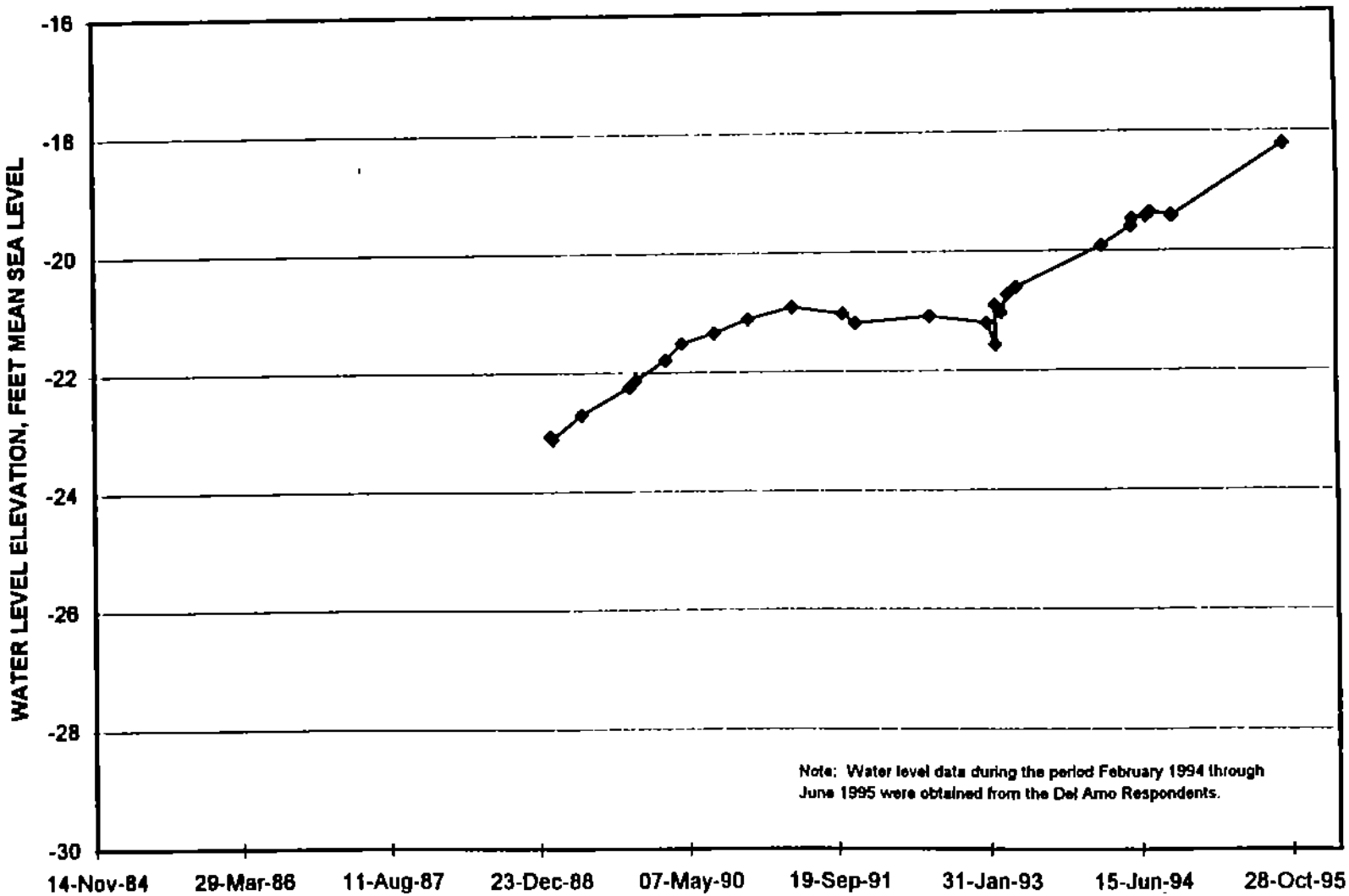

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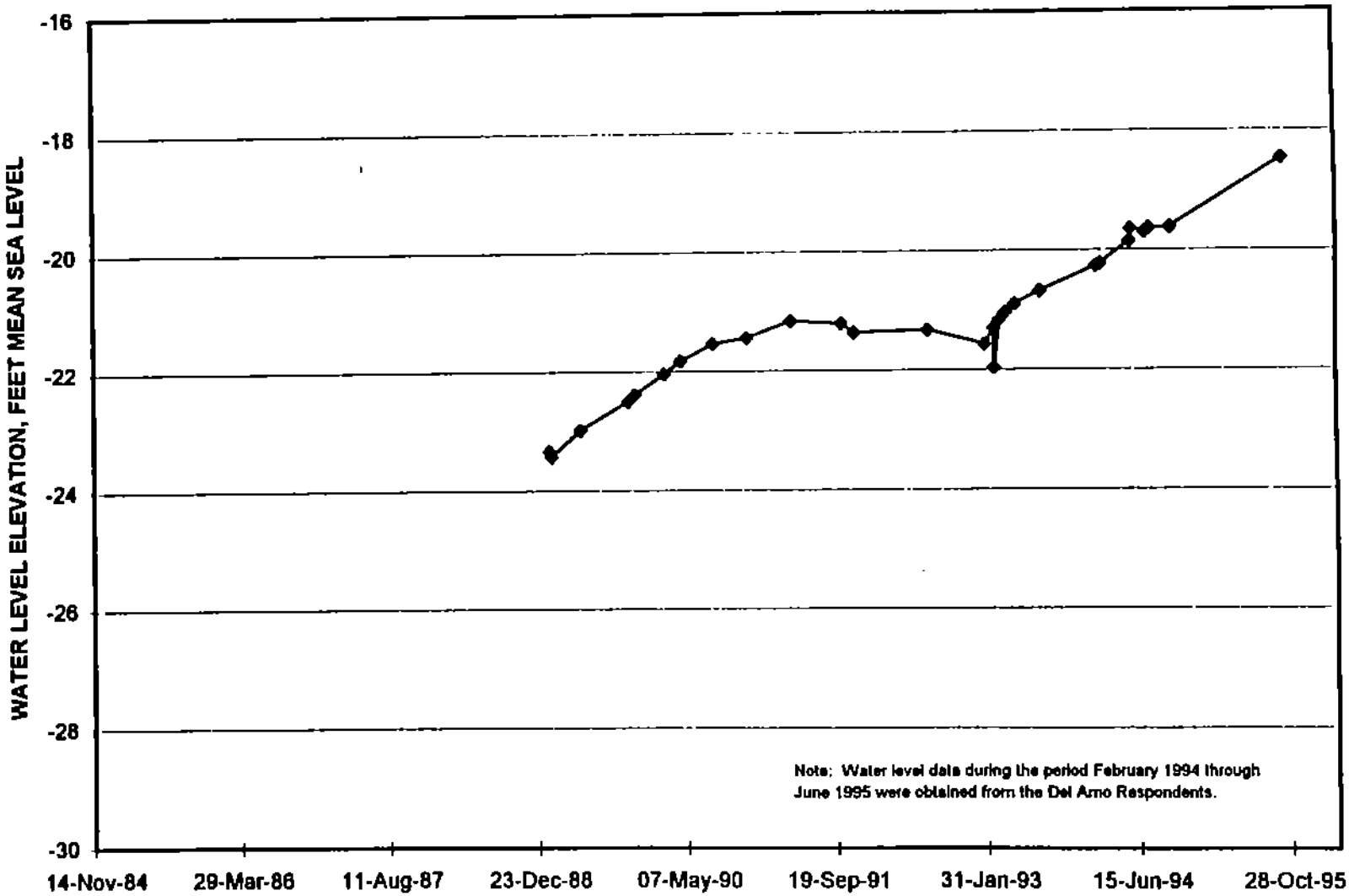
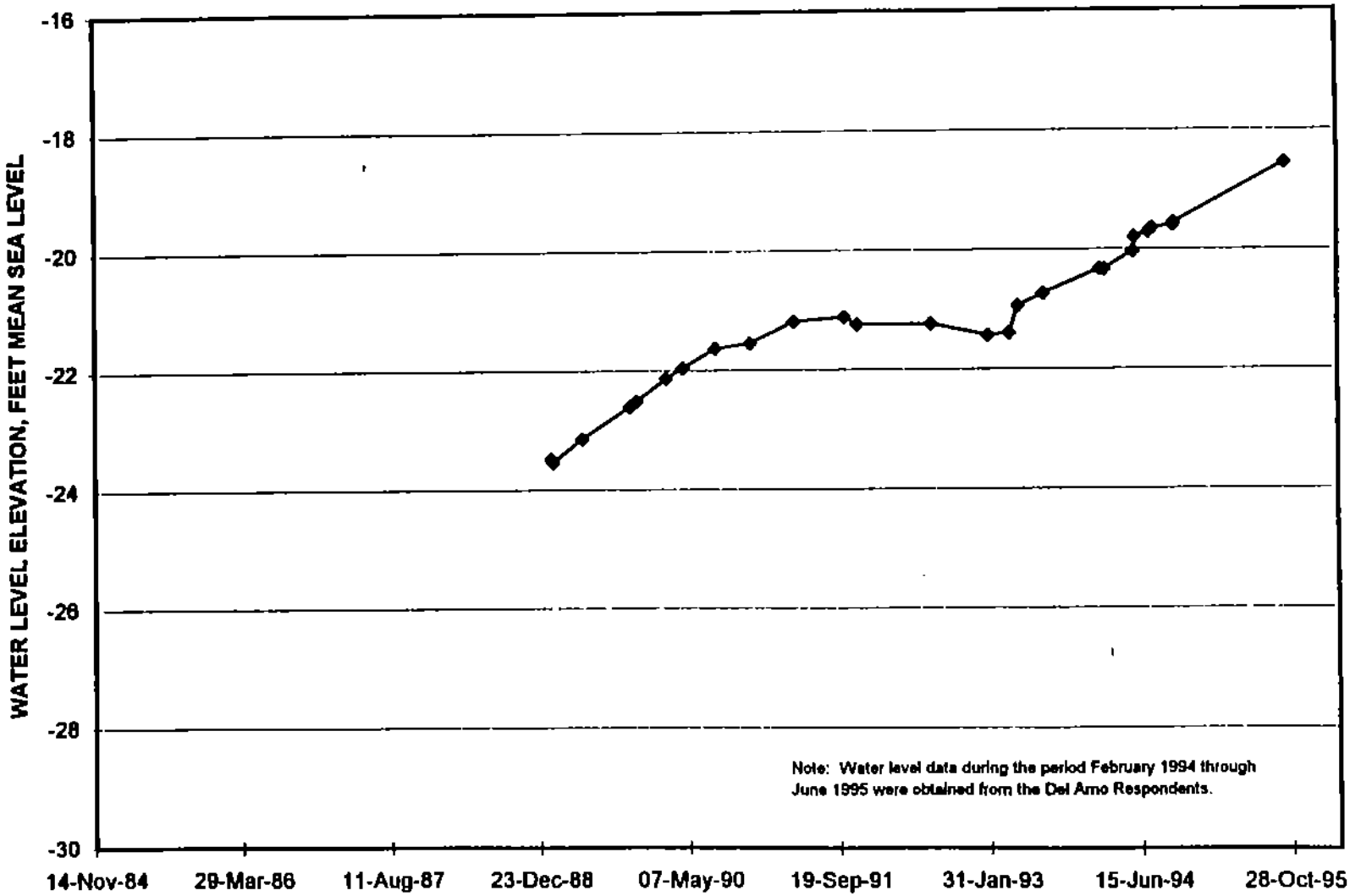


FIGURE F-13 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-13



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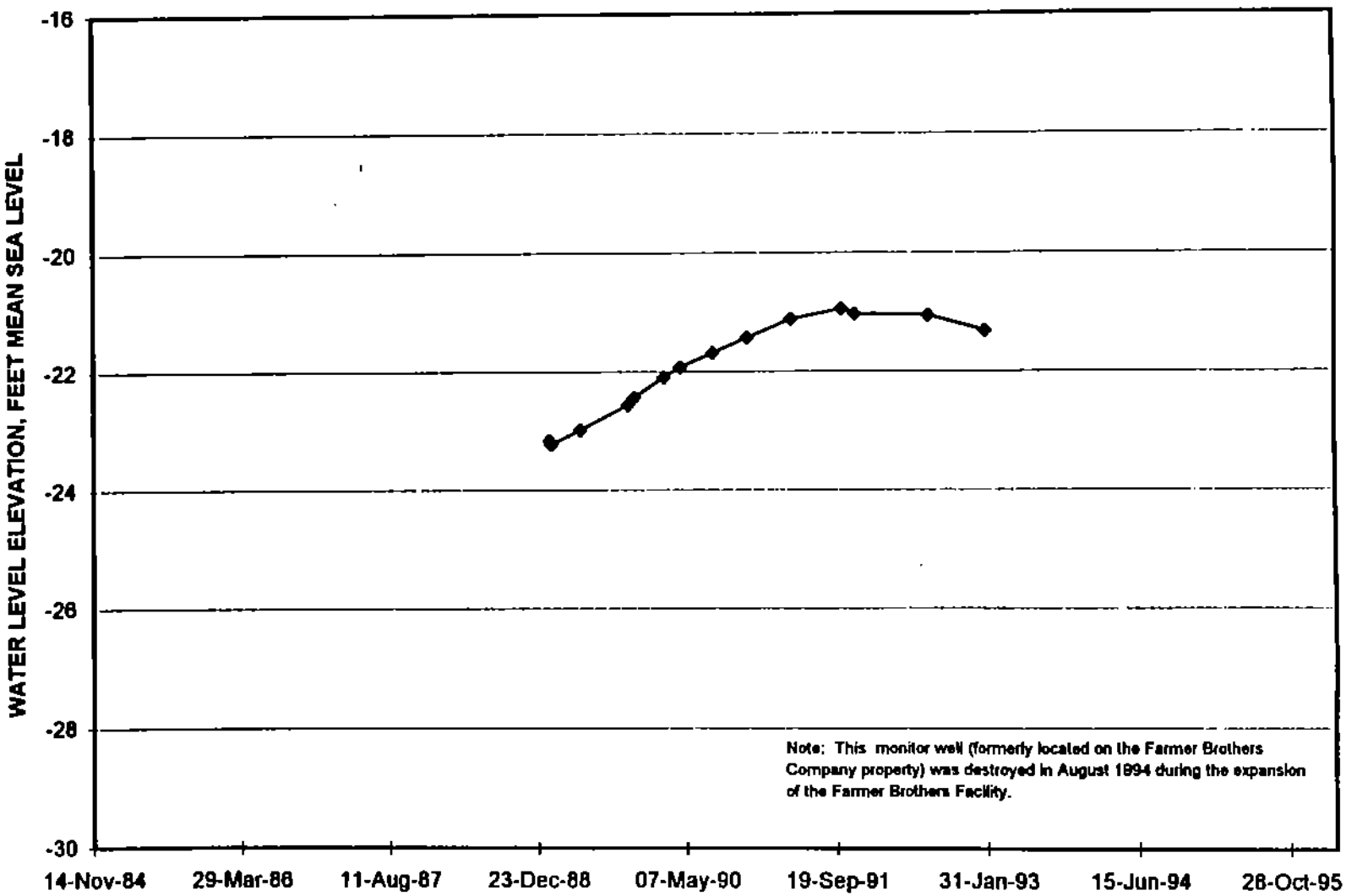

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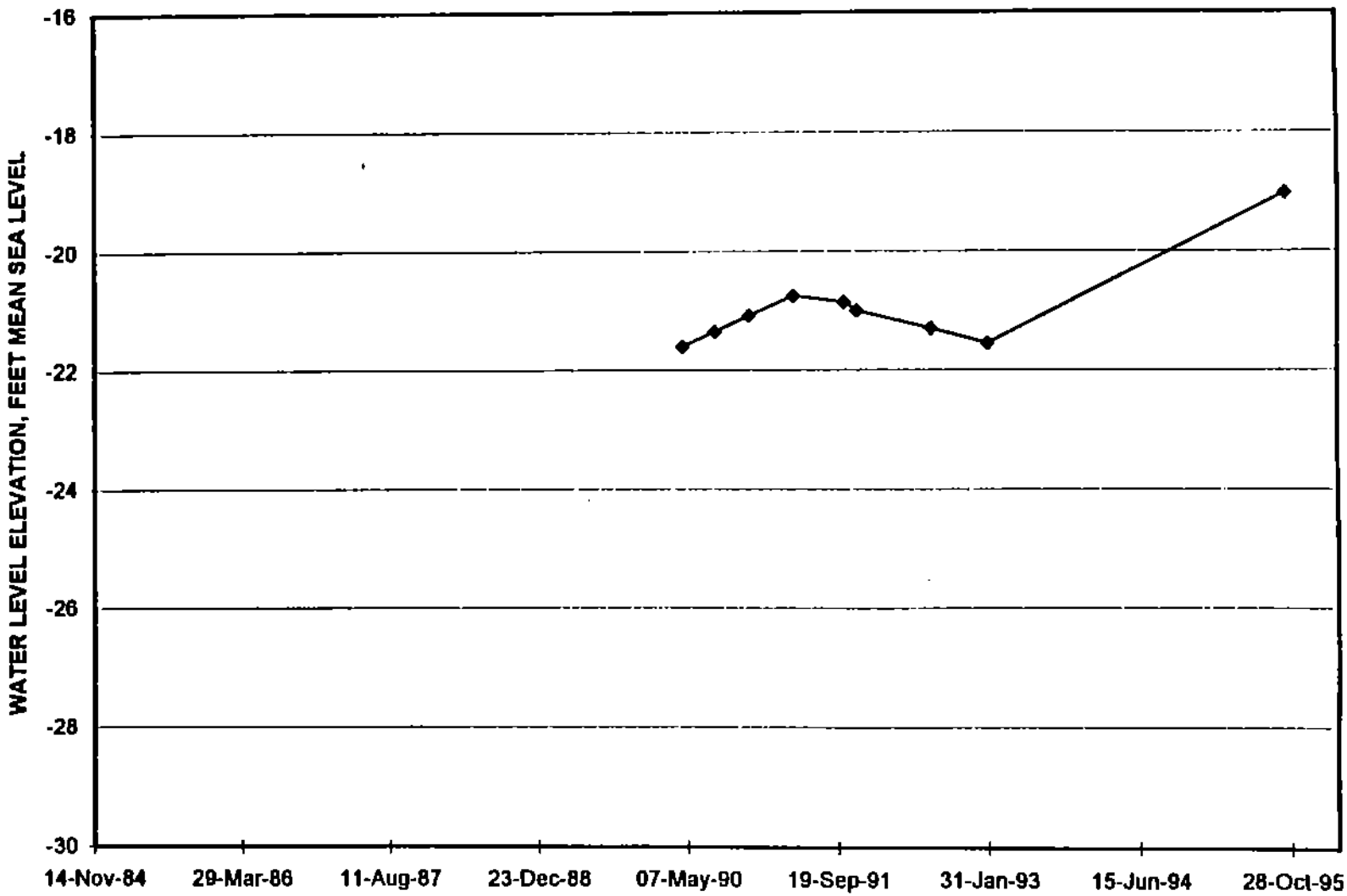

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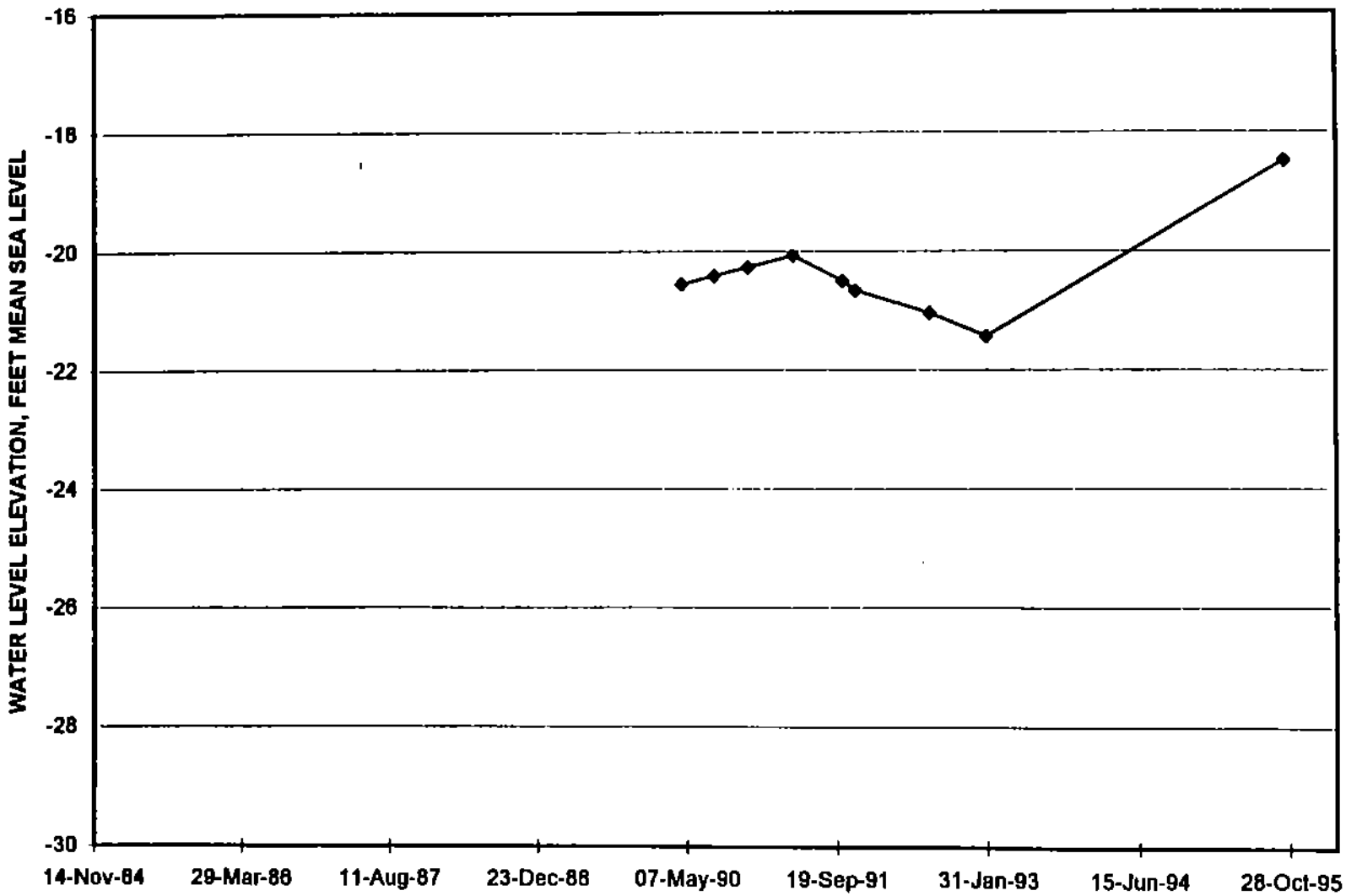

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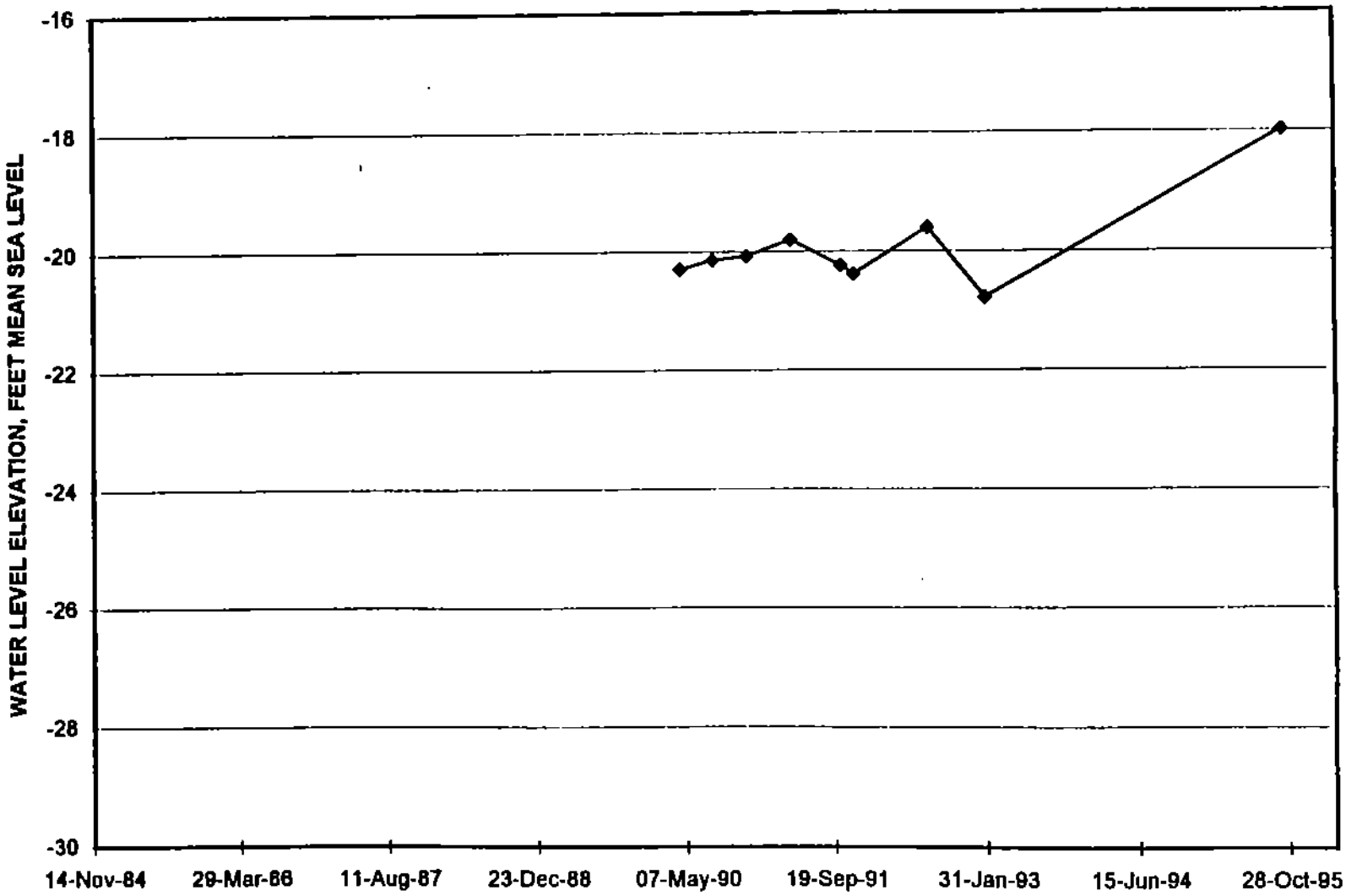

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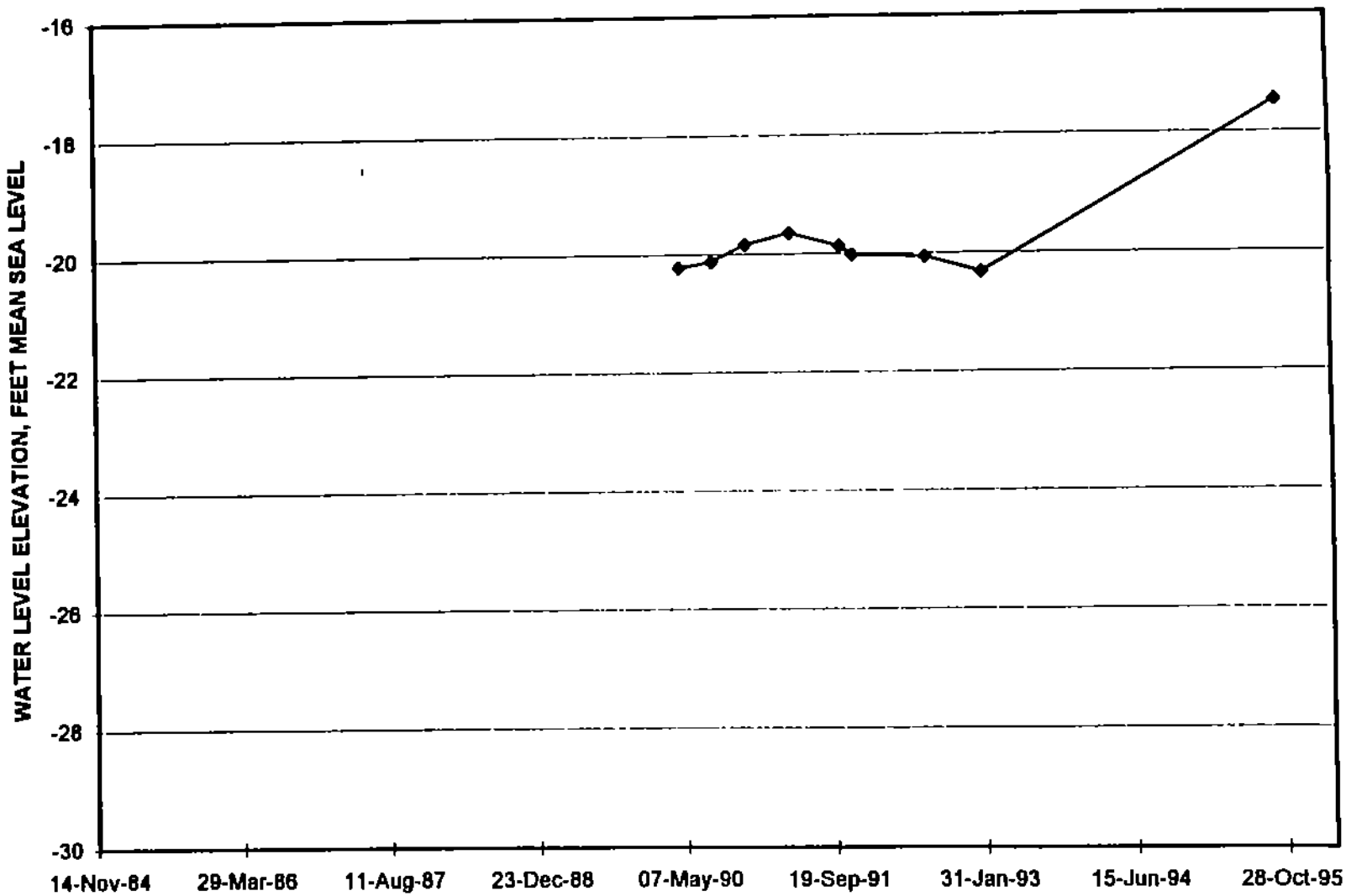

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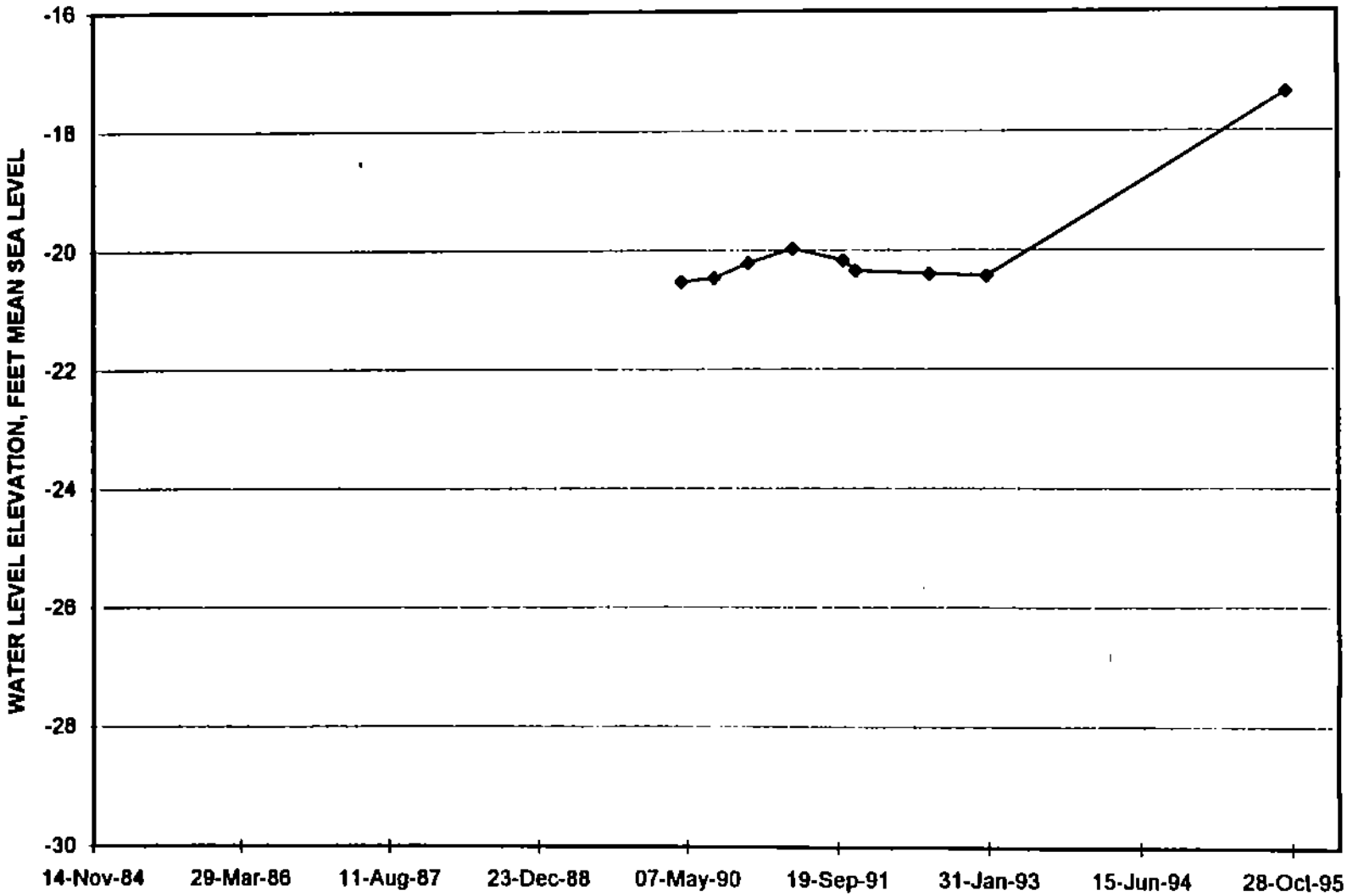

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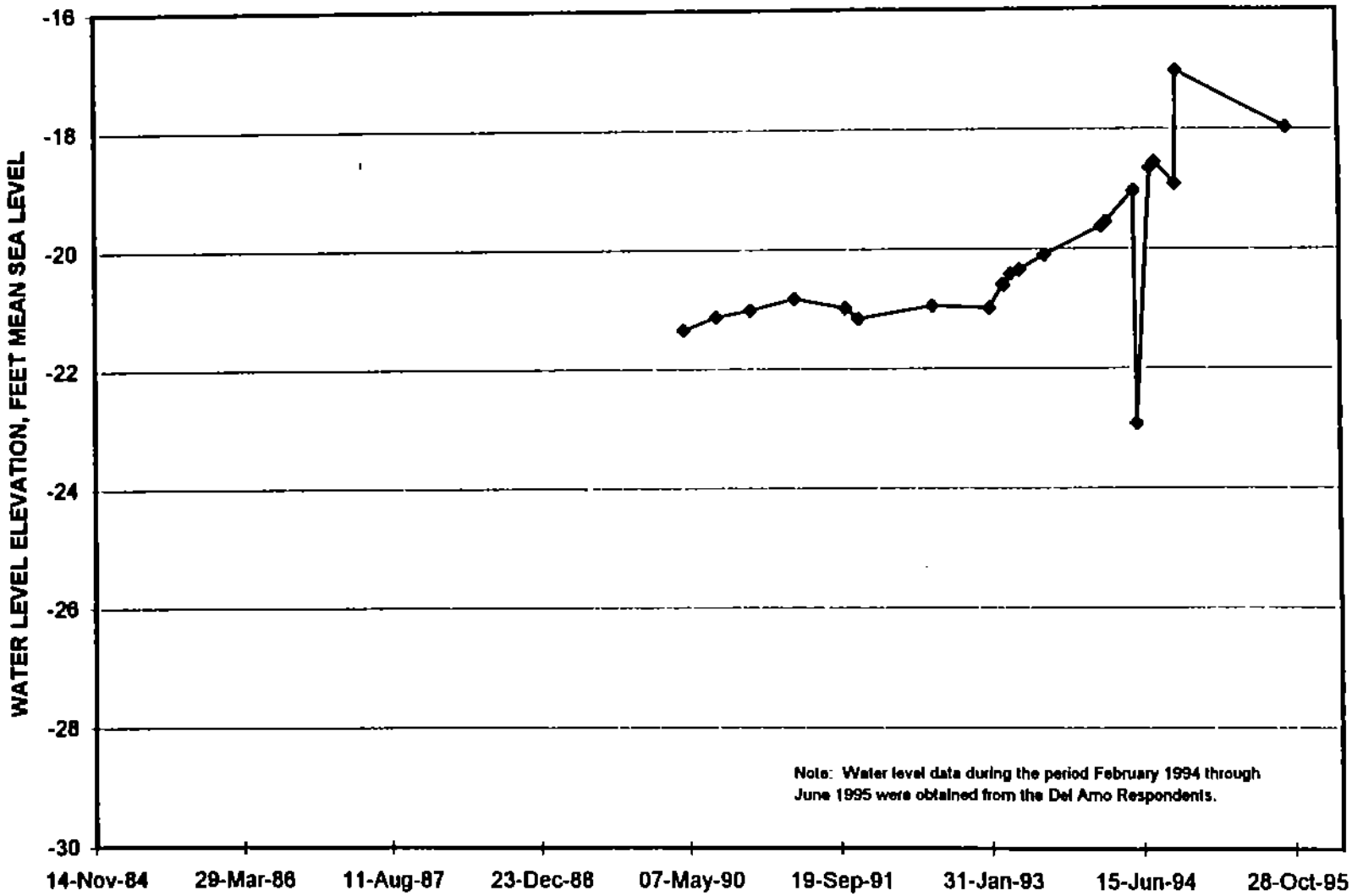


FIGURE F-21 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-21

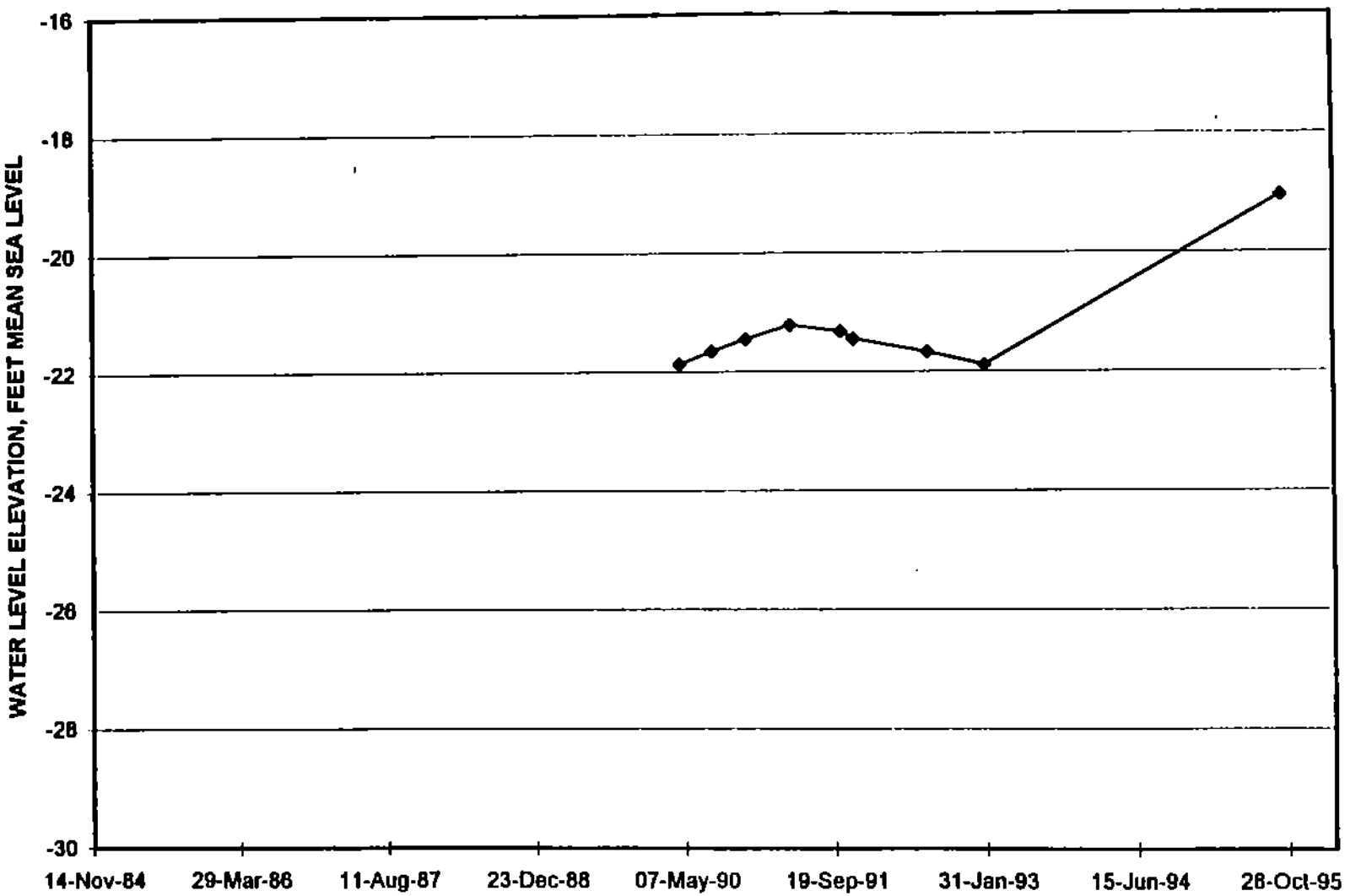


FIGURE F-22 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-22

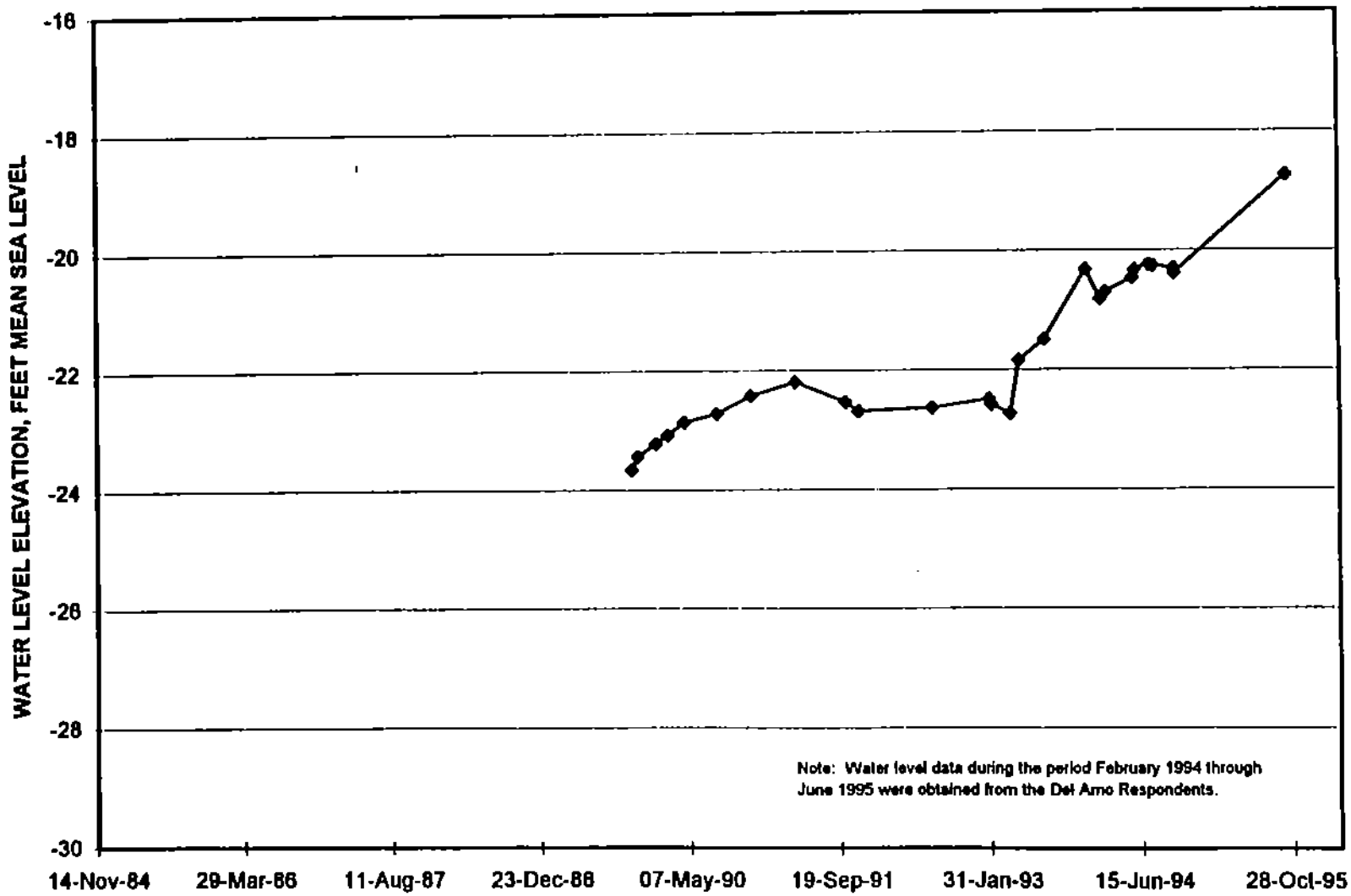


FIGURE F-23 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-23

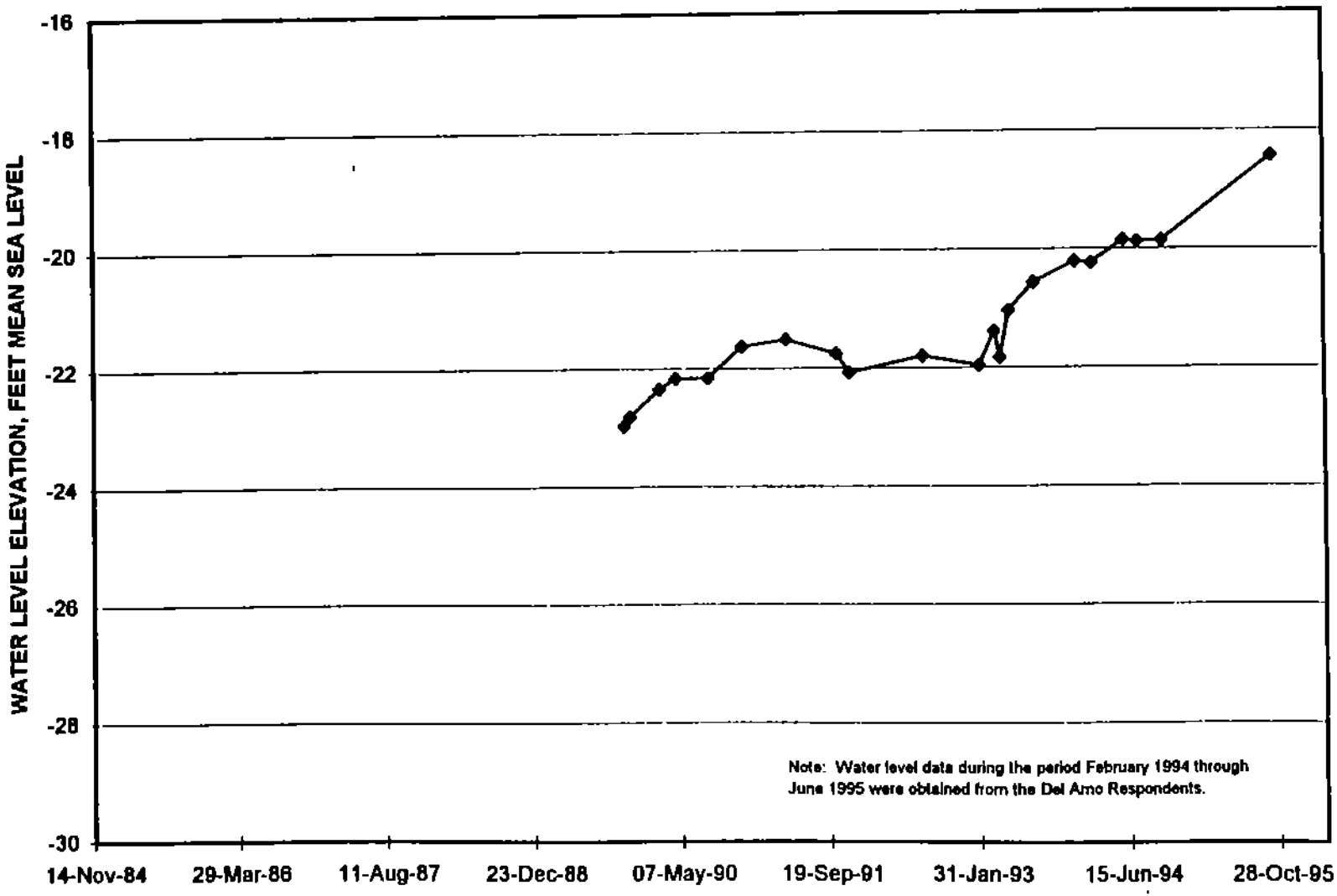


FIGURE F-24 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-24

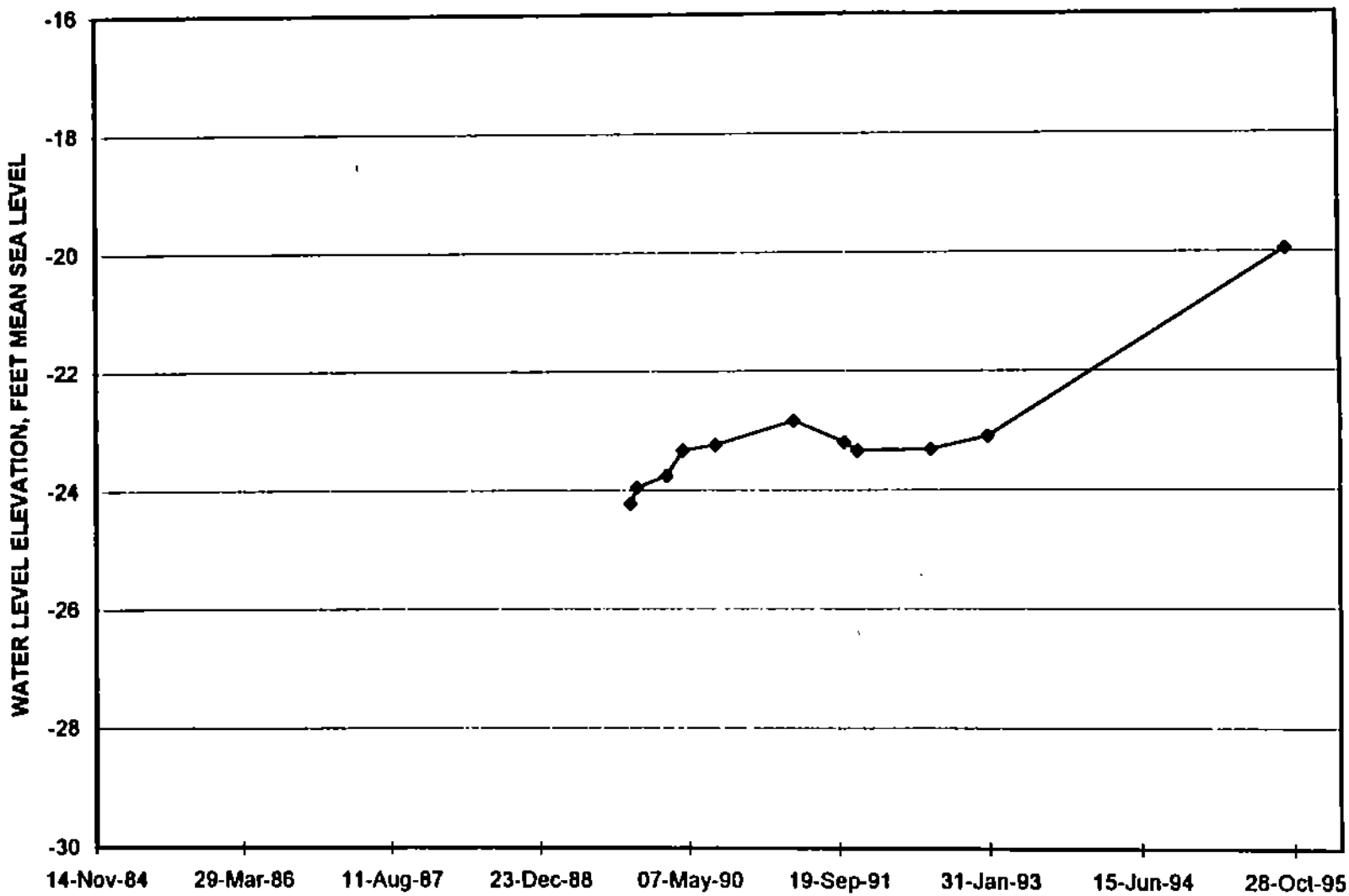


FIGURE F-25 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-25

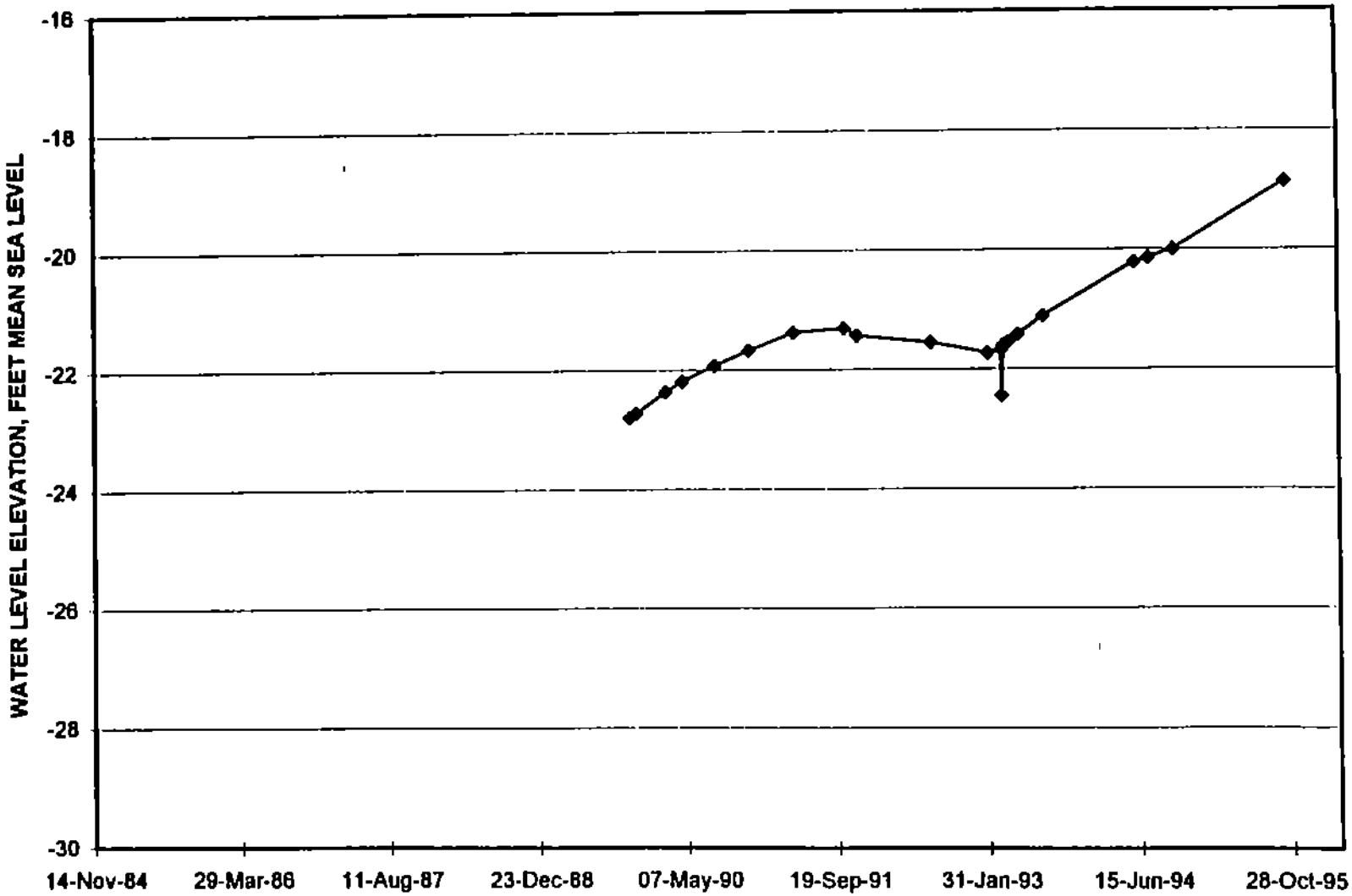


FIGURE F-26 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-26

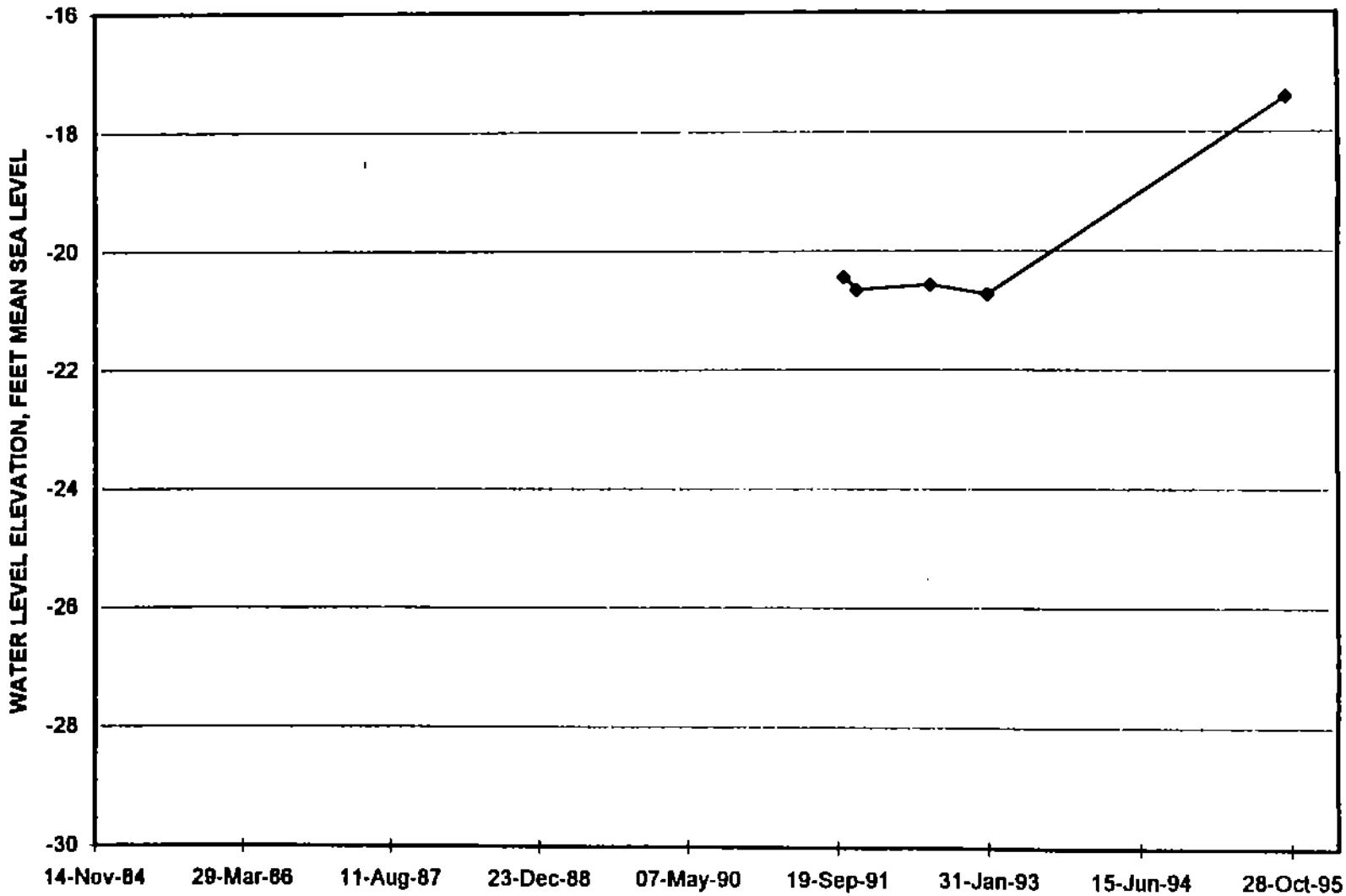


FIGURE F-27 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-27

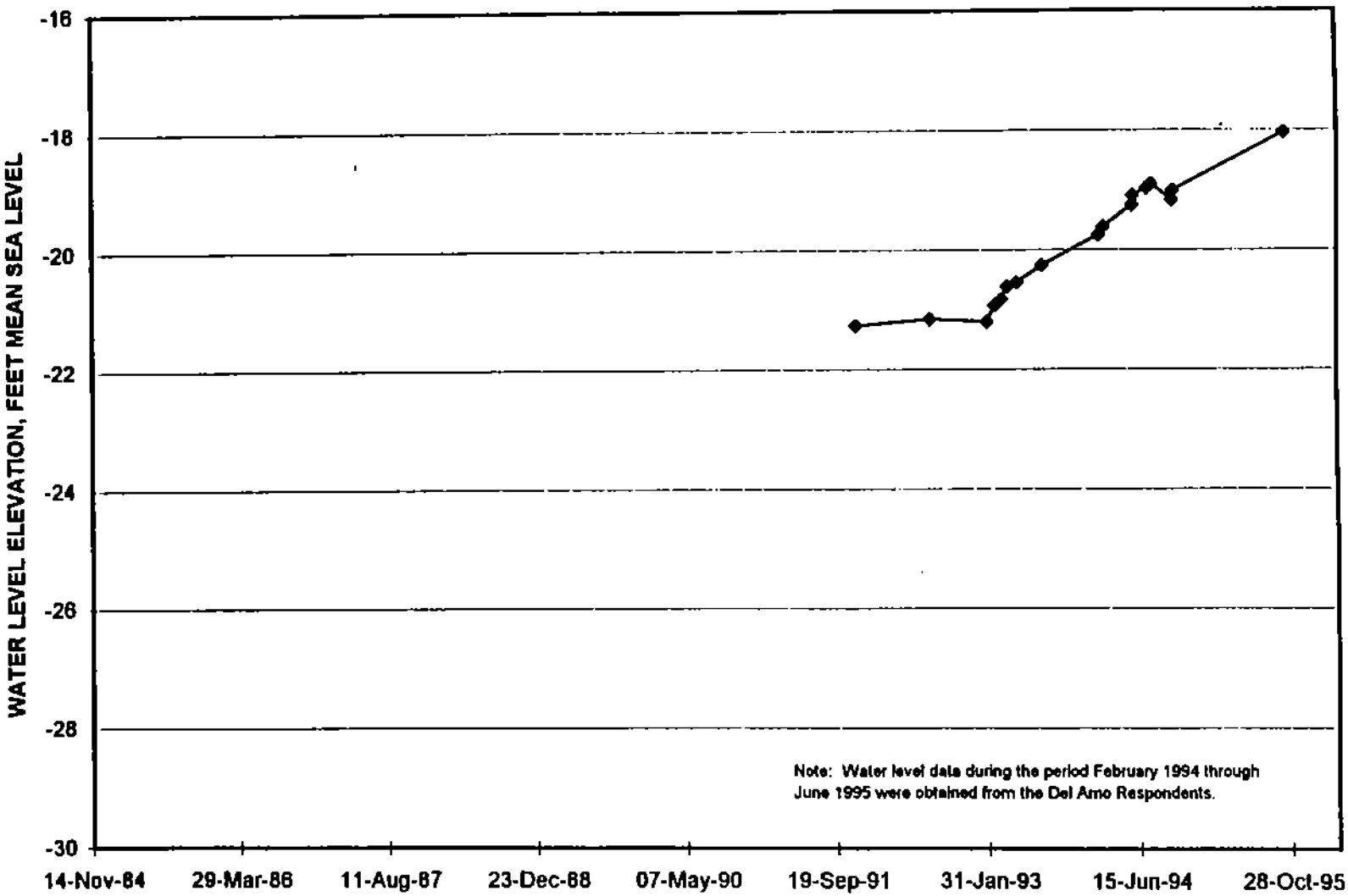


FIGURE F-28 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-28

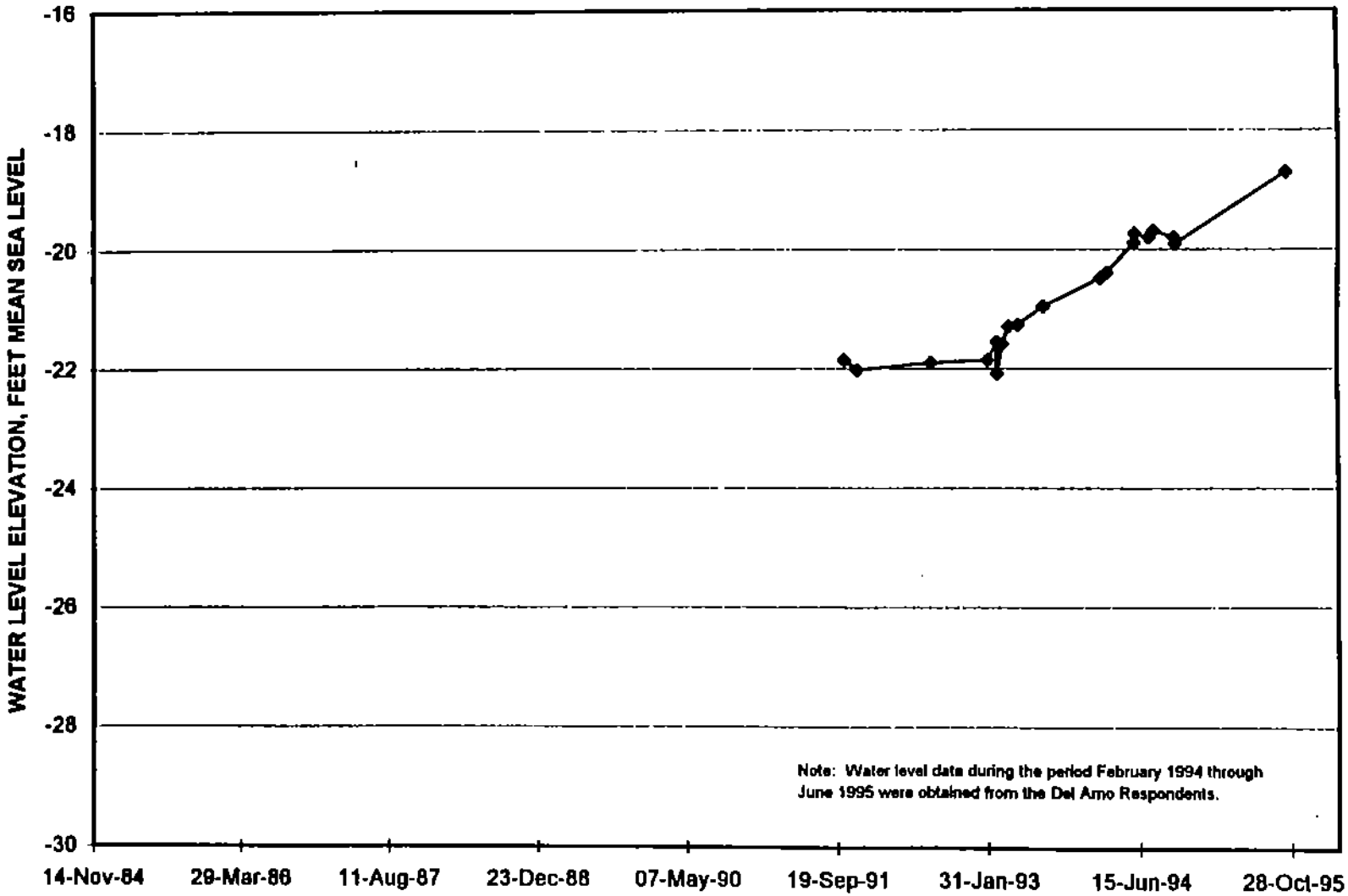


FIGURE F-29 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-29

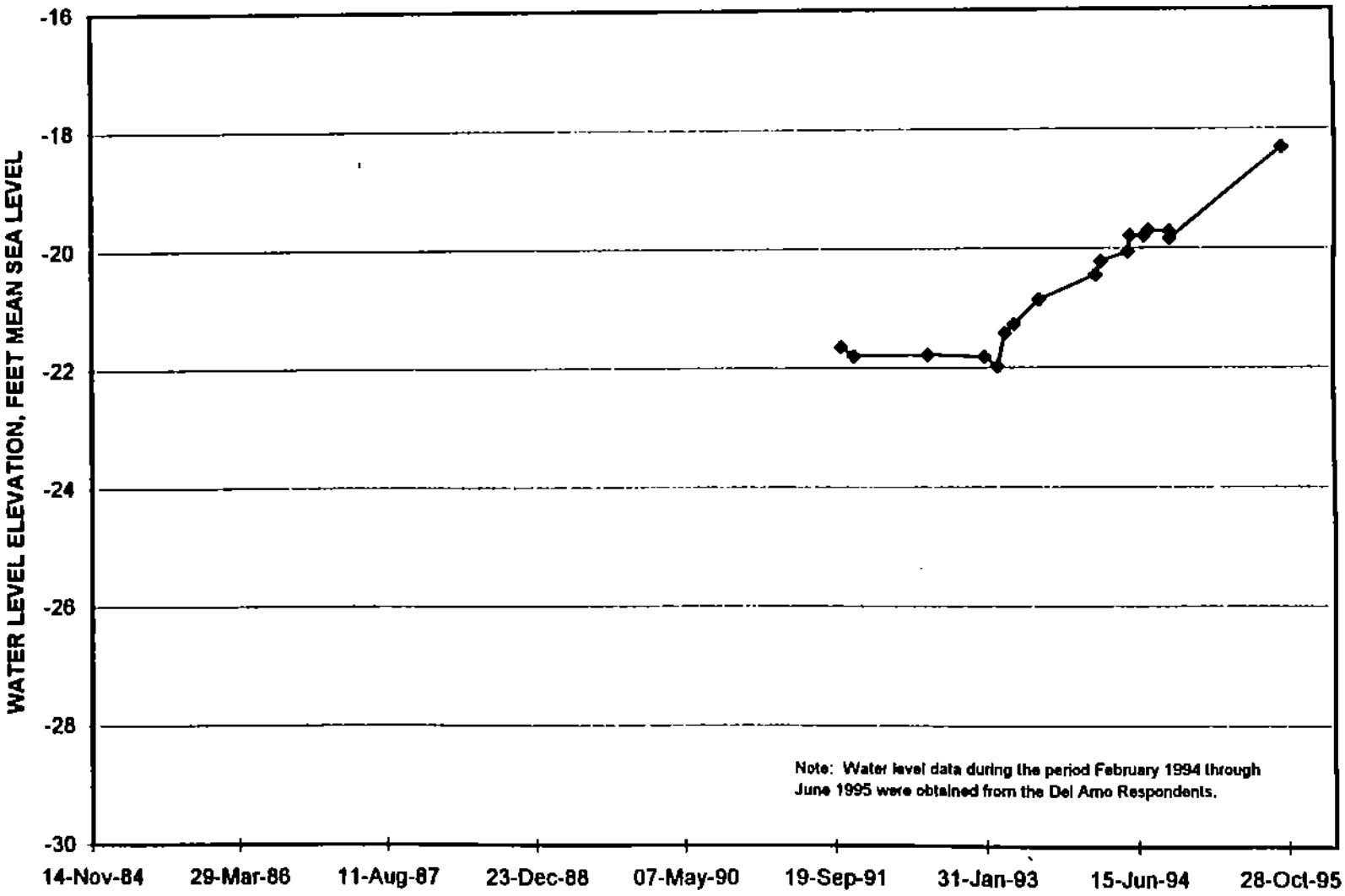


FIGURE F-30 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL MW-30

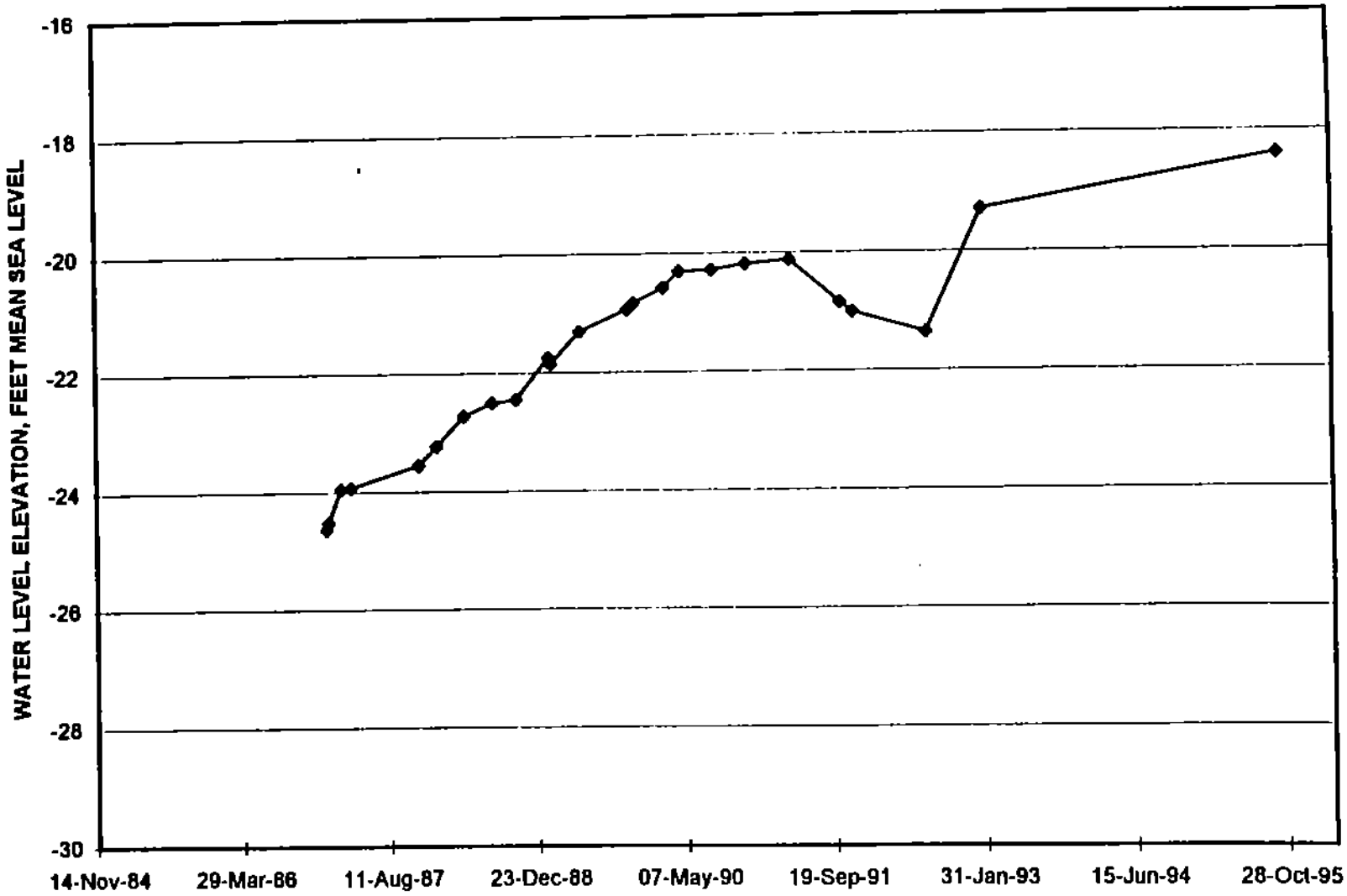


FIGURE F-31 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-01

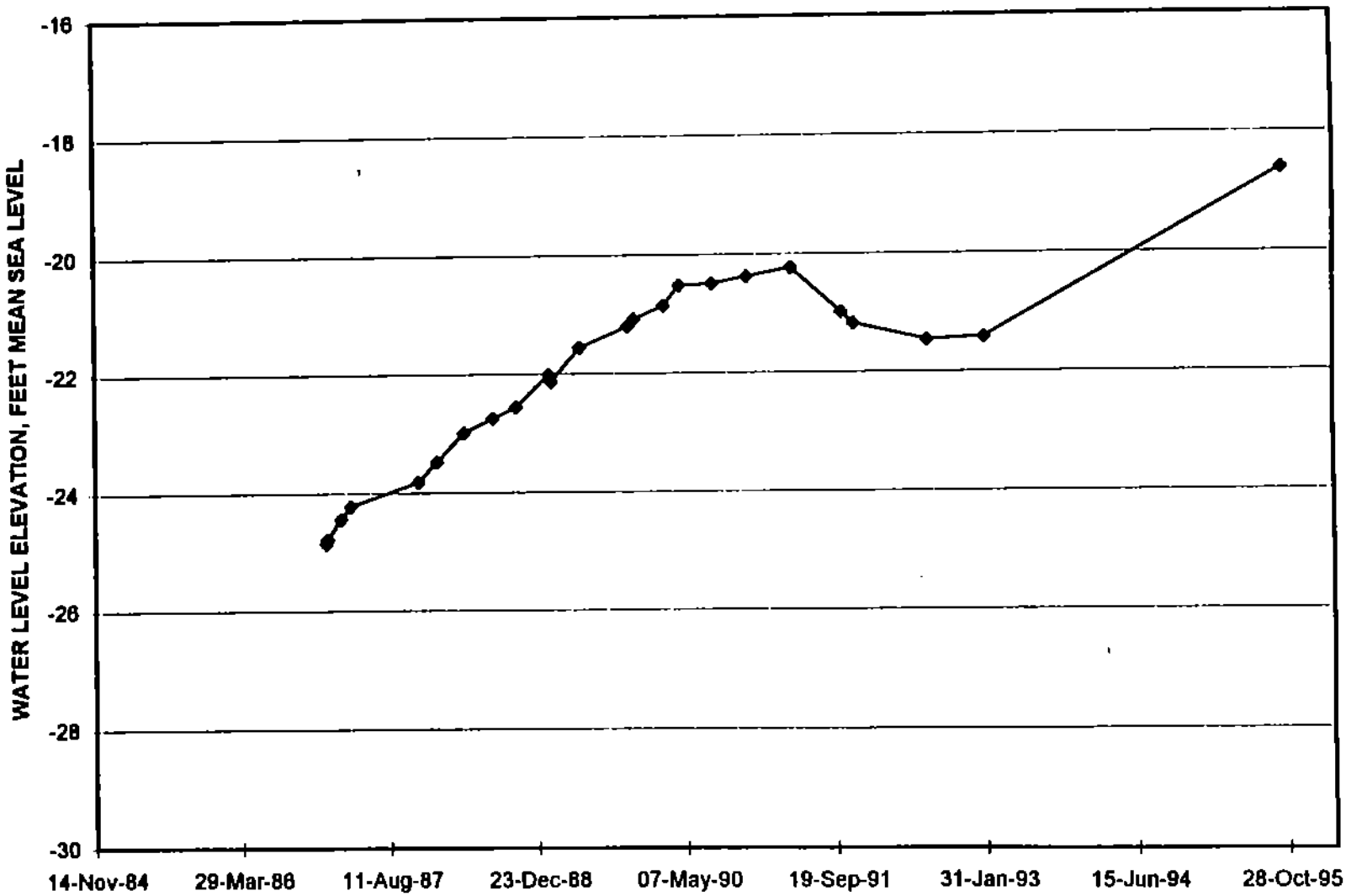


FIGURE F-32 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-02

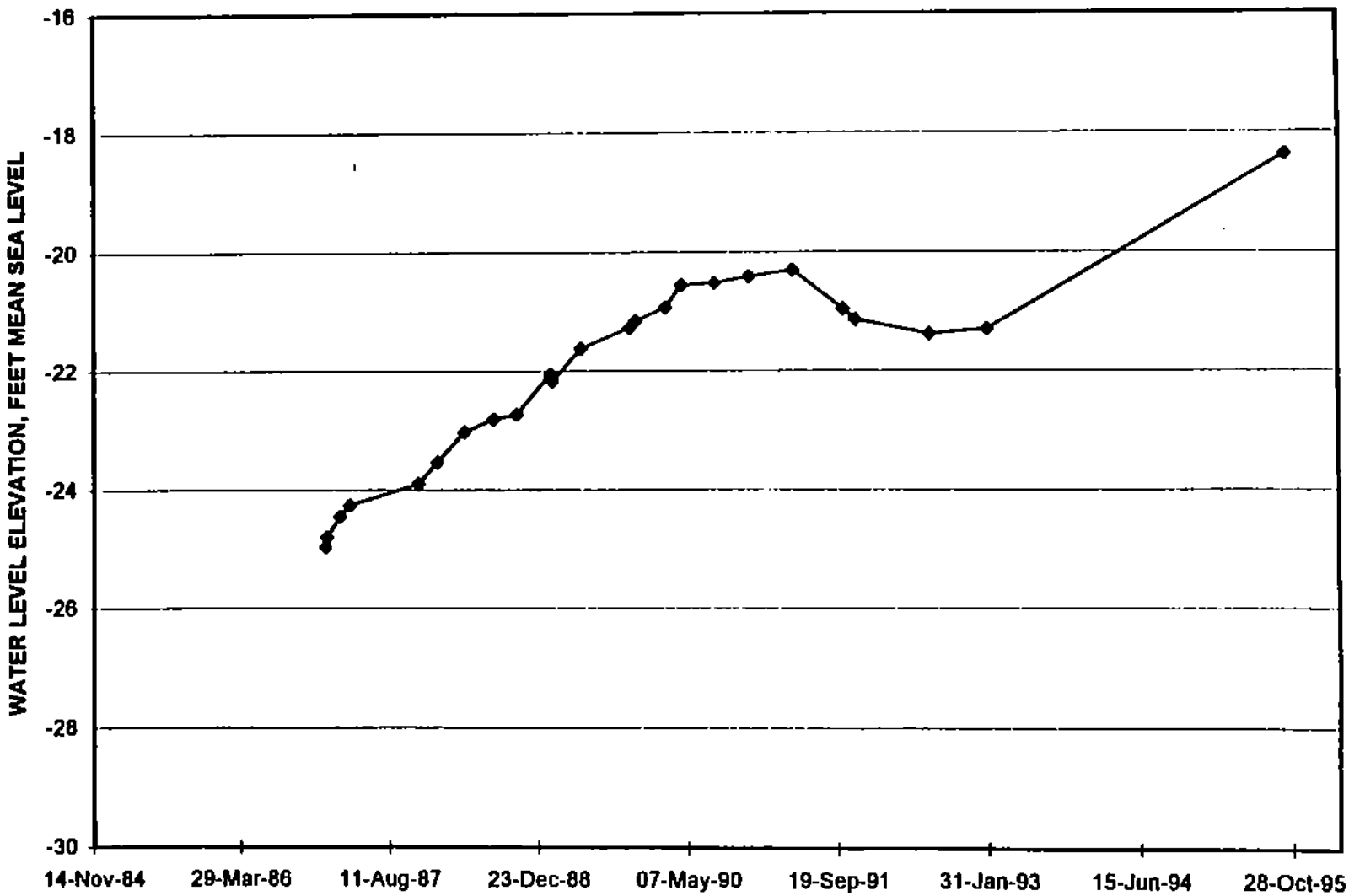


FIGURE F-33 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-03

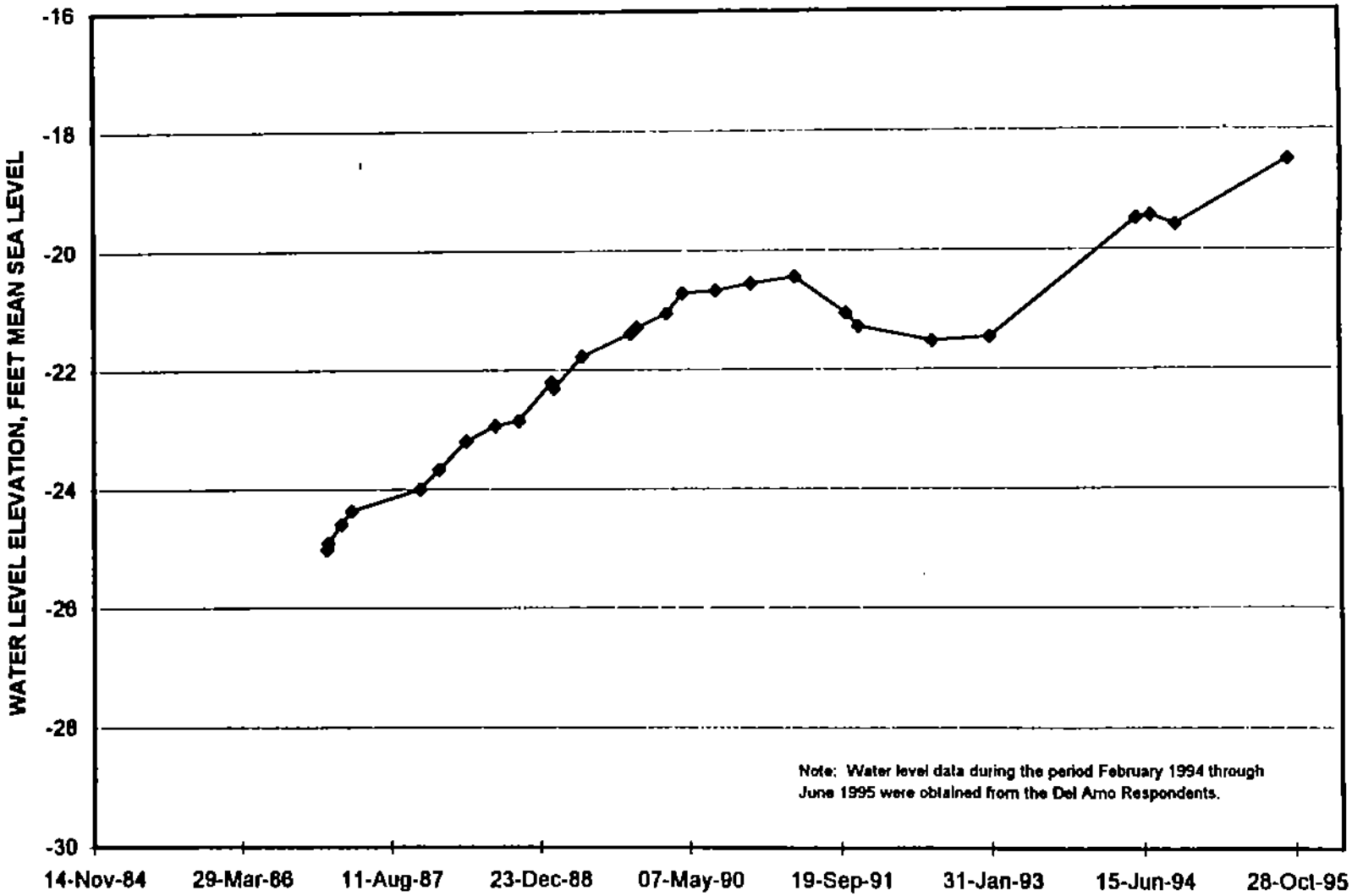


FIGURE F-34 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-04

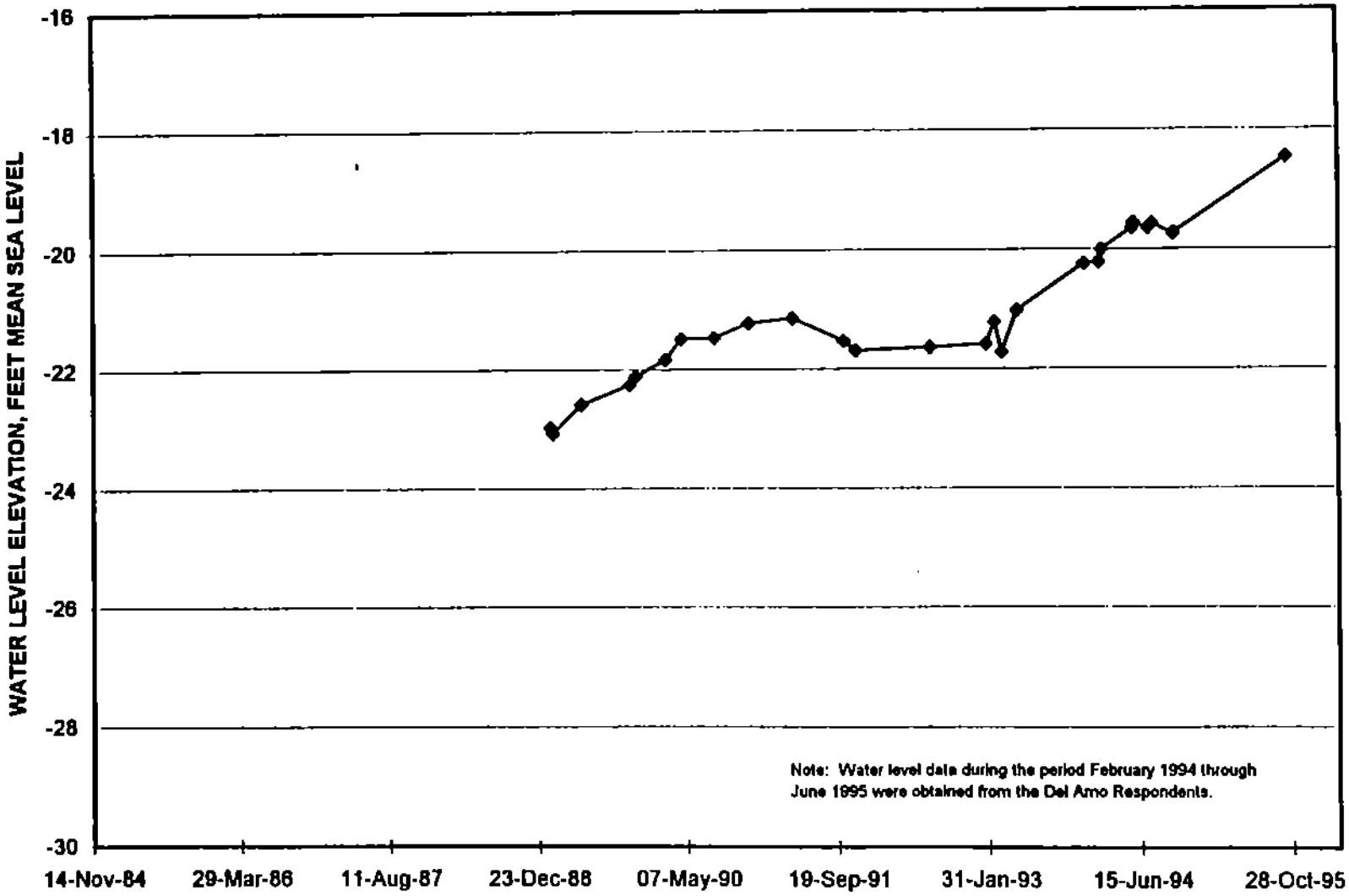


FIGURE F-35 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-05

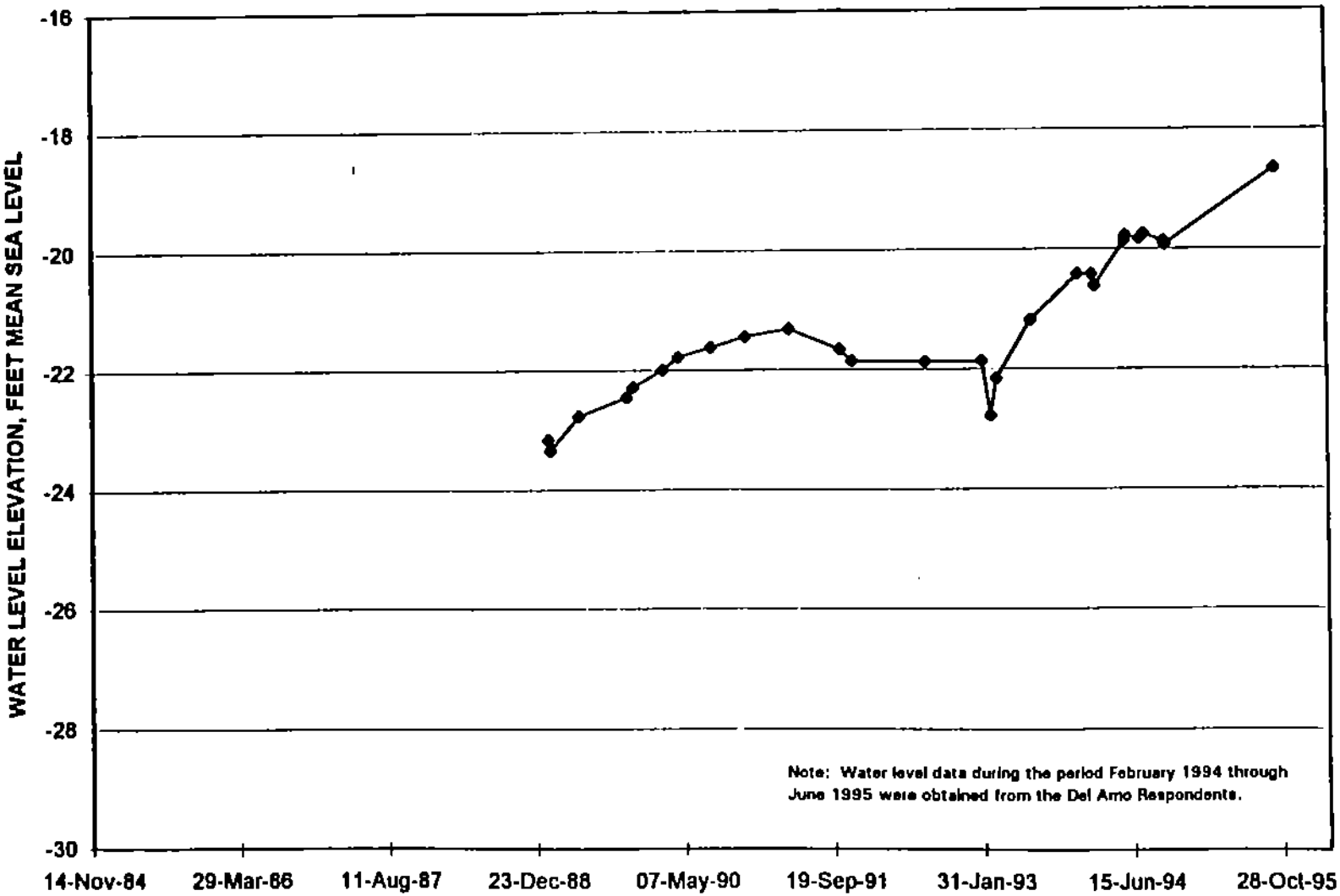


FIGURE F-36 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-06

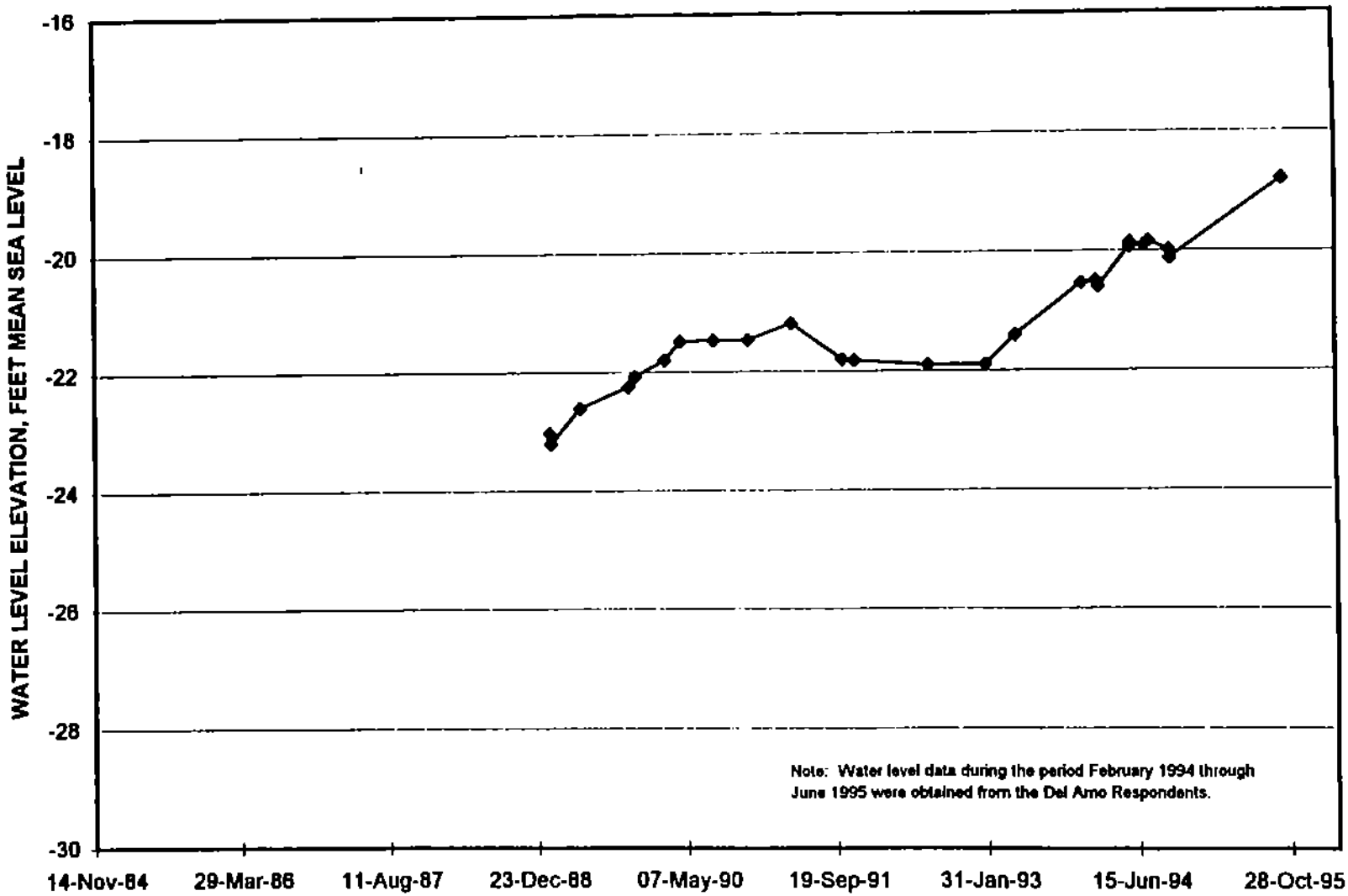


FIGURE F-37 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-07

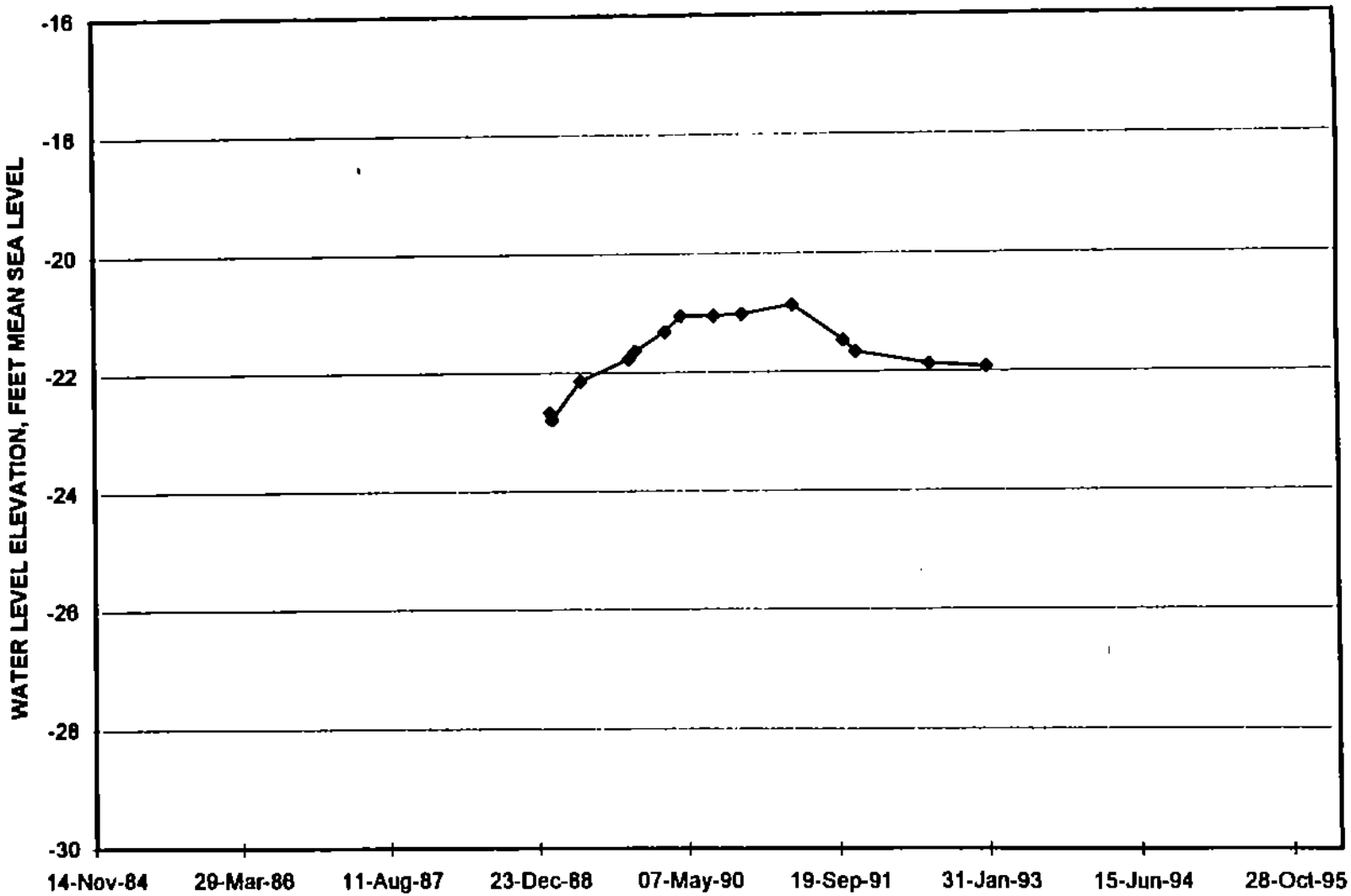


FIGURE F-38 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-08

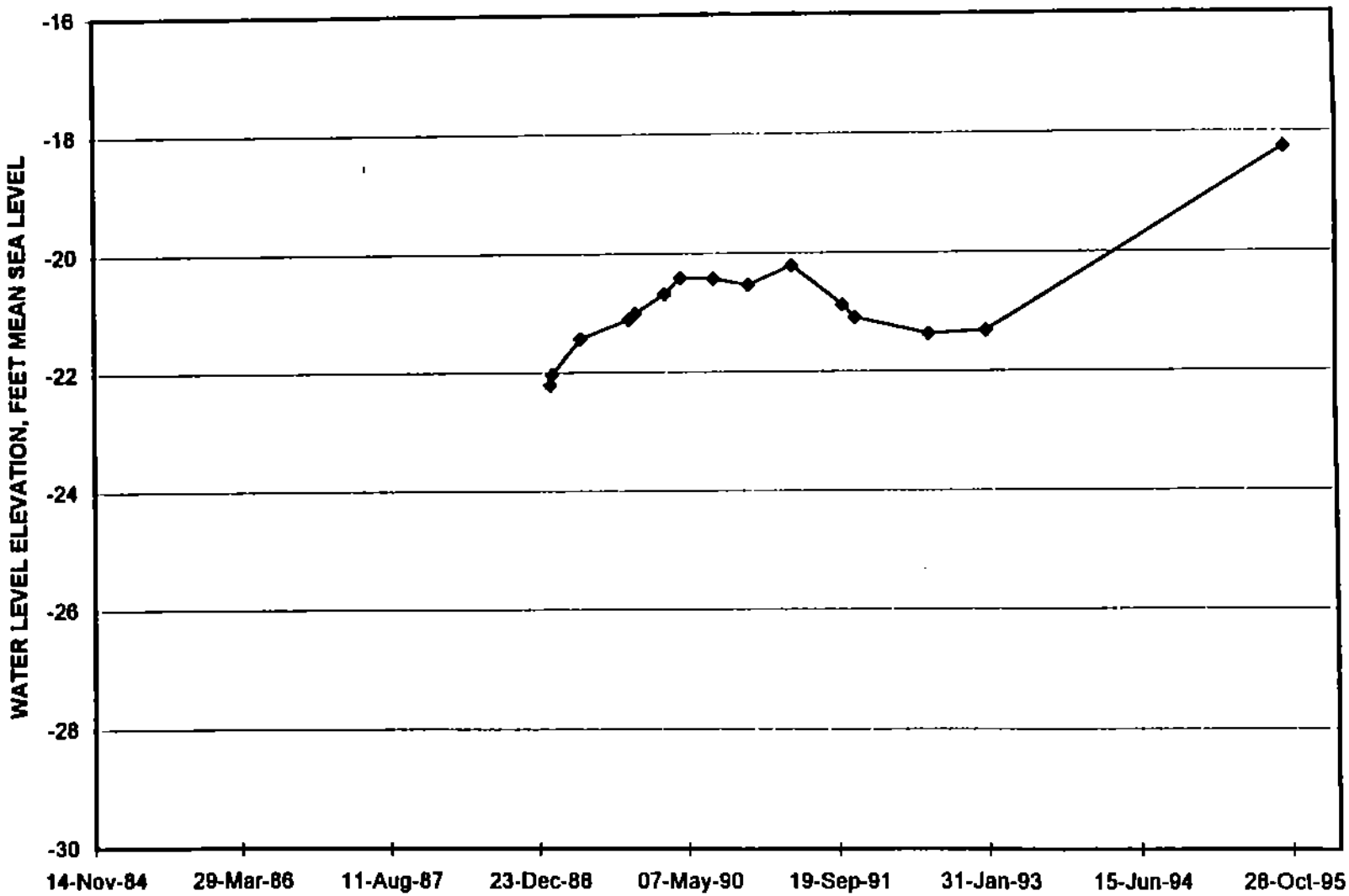


FIGURE F-39 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-09

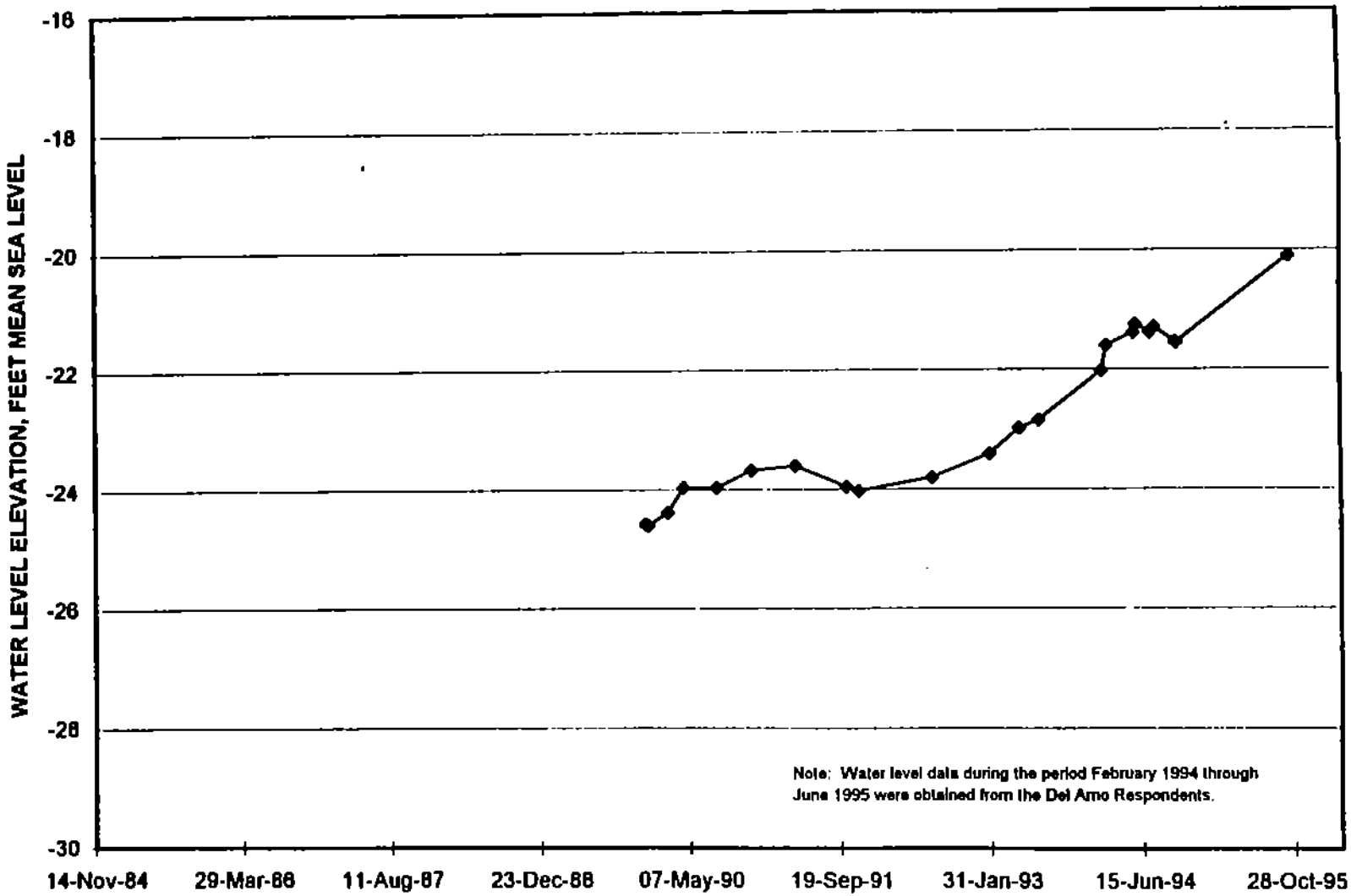


FIGURE F-40 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-10

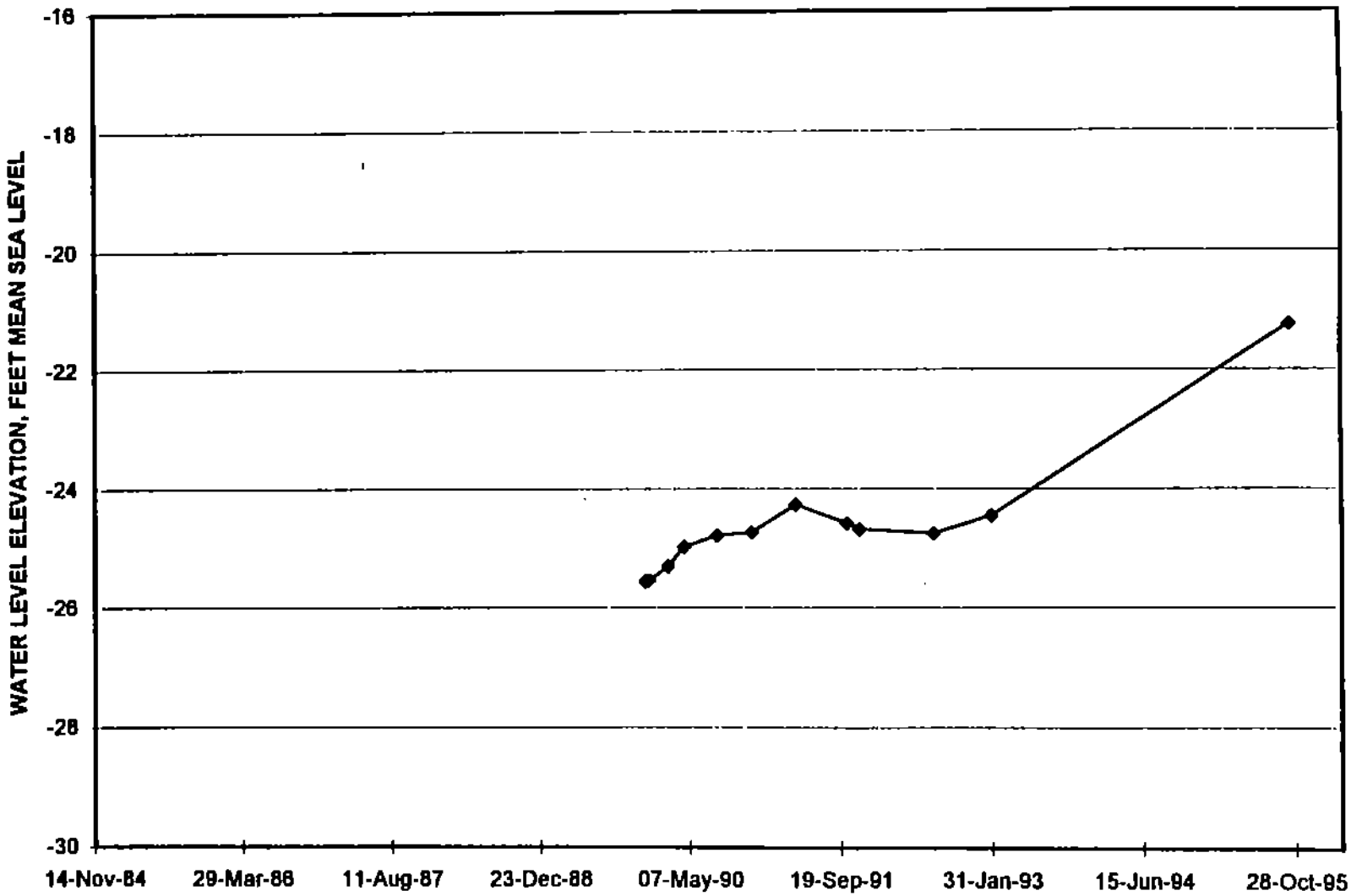


FIGURE F-41 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-11

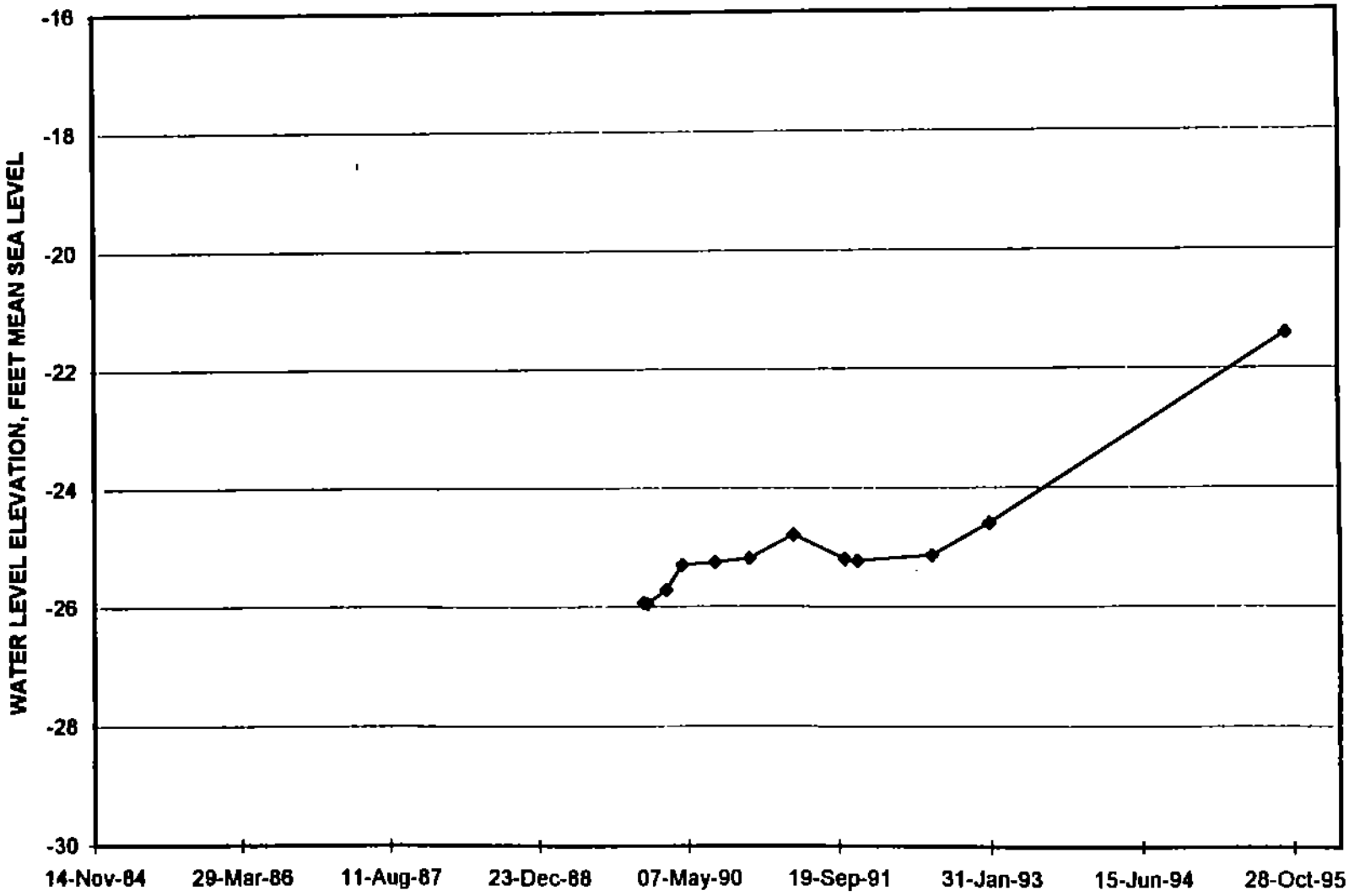


FIGURE F-42 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-12

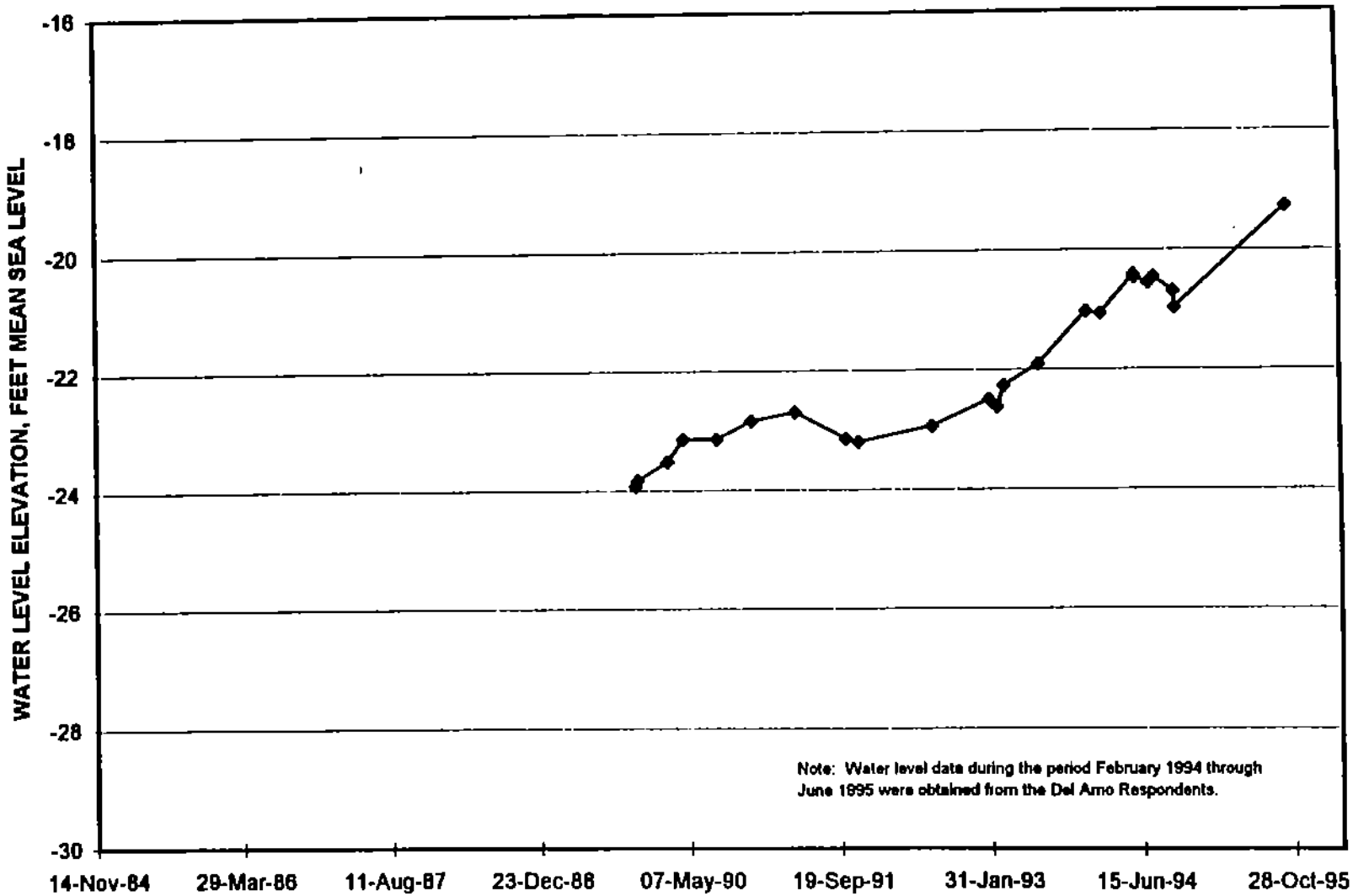


FIGURE F-43 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-13

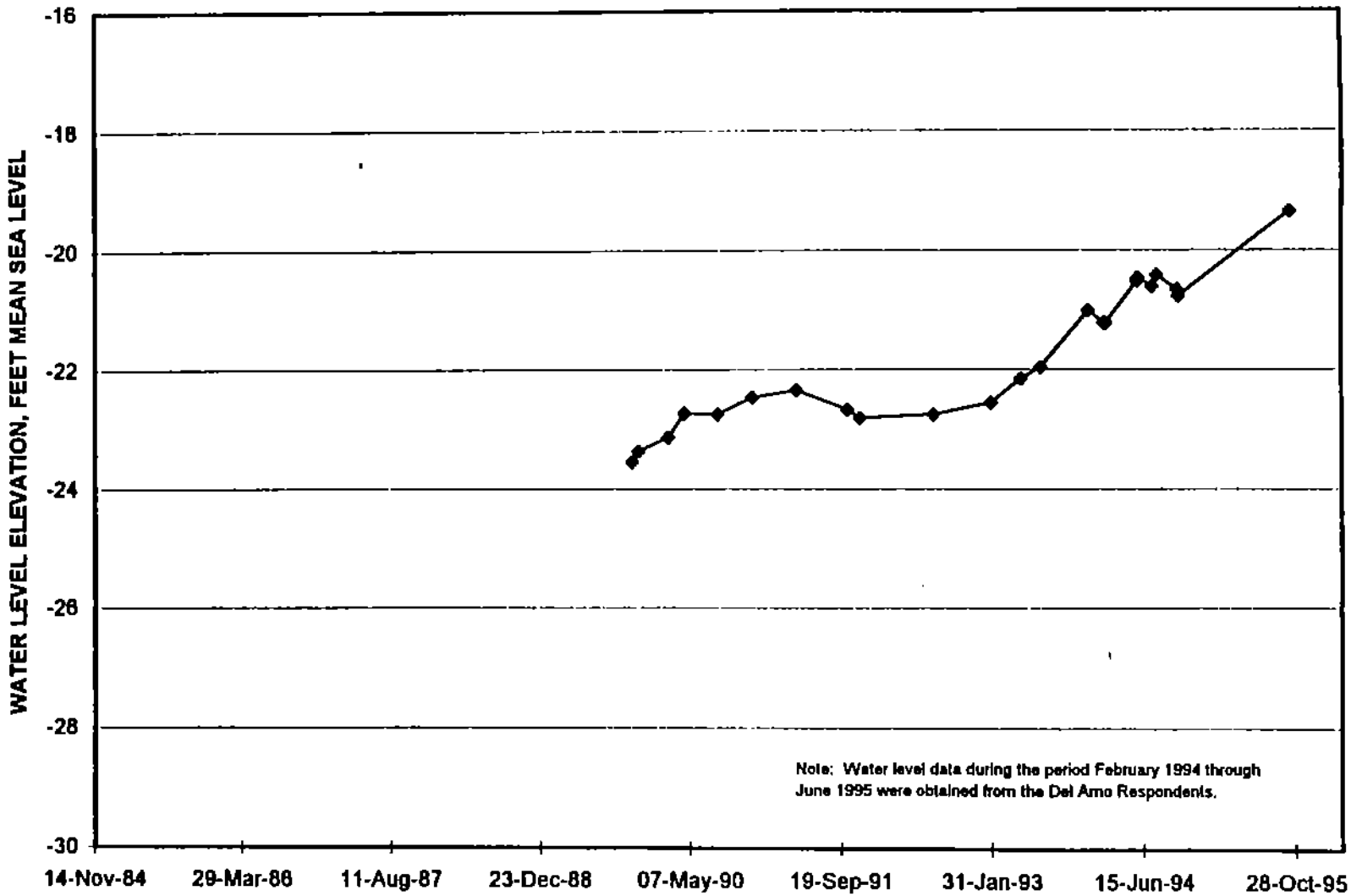


FIGURE F-44 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-14

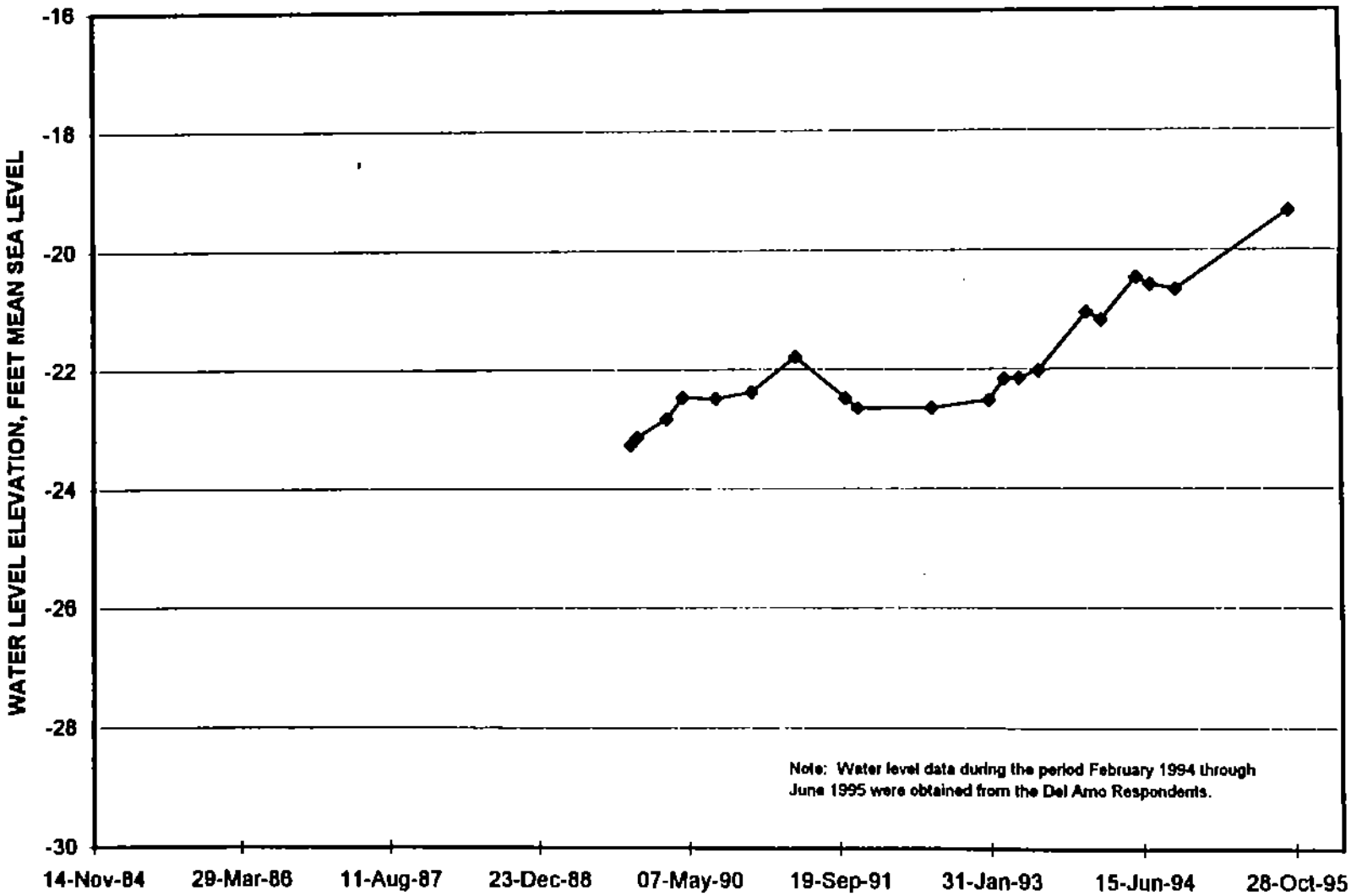


FIGURE F-45 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-15

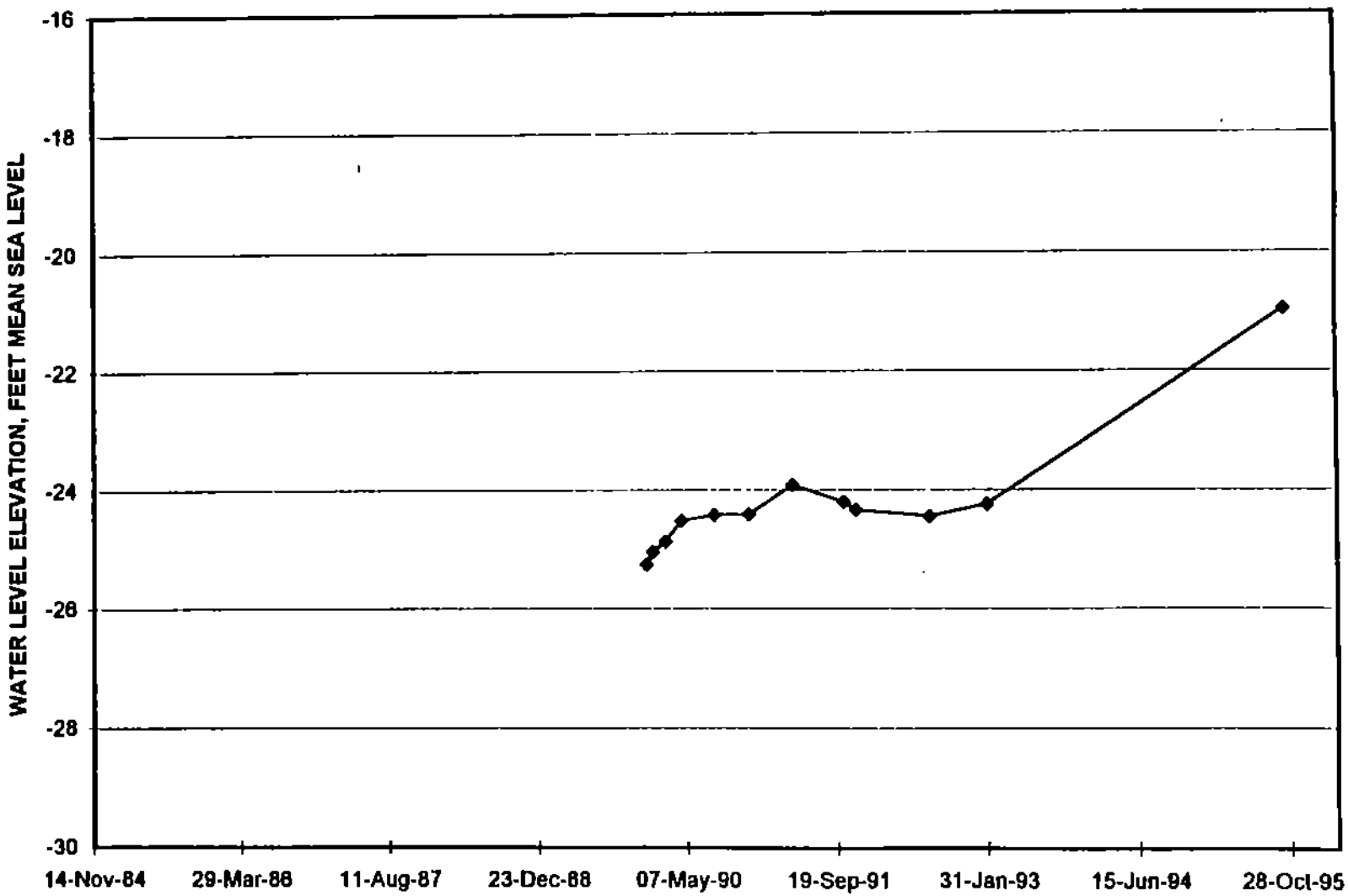


FIGURE F-46 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-16

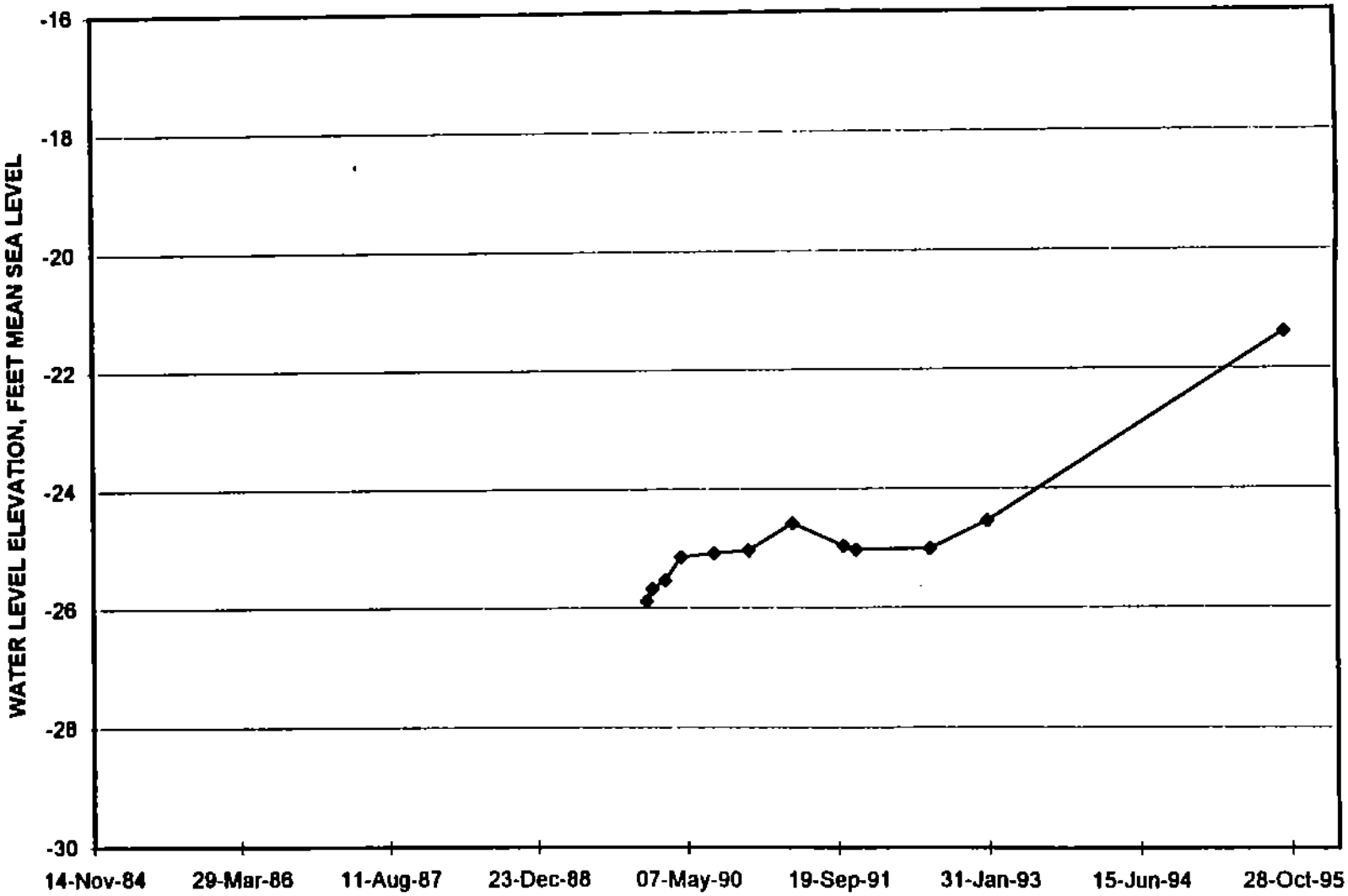


FIGURE F-47 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-17

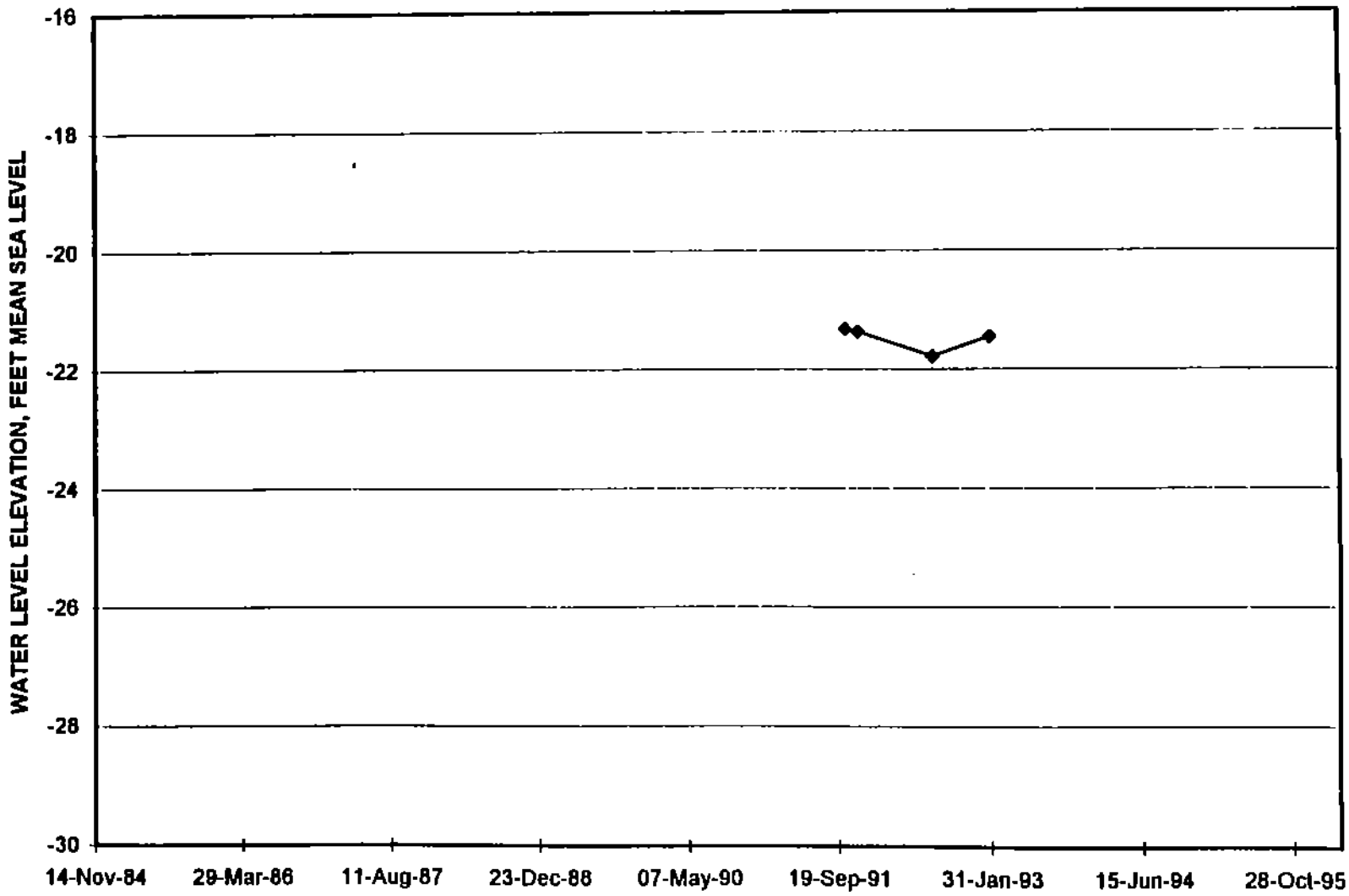


FIGURE F-46 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-16

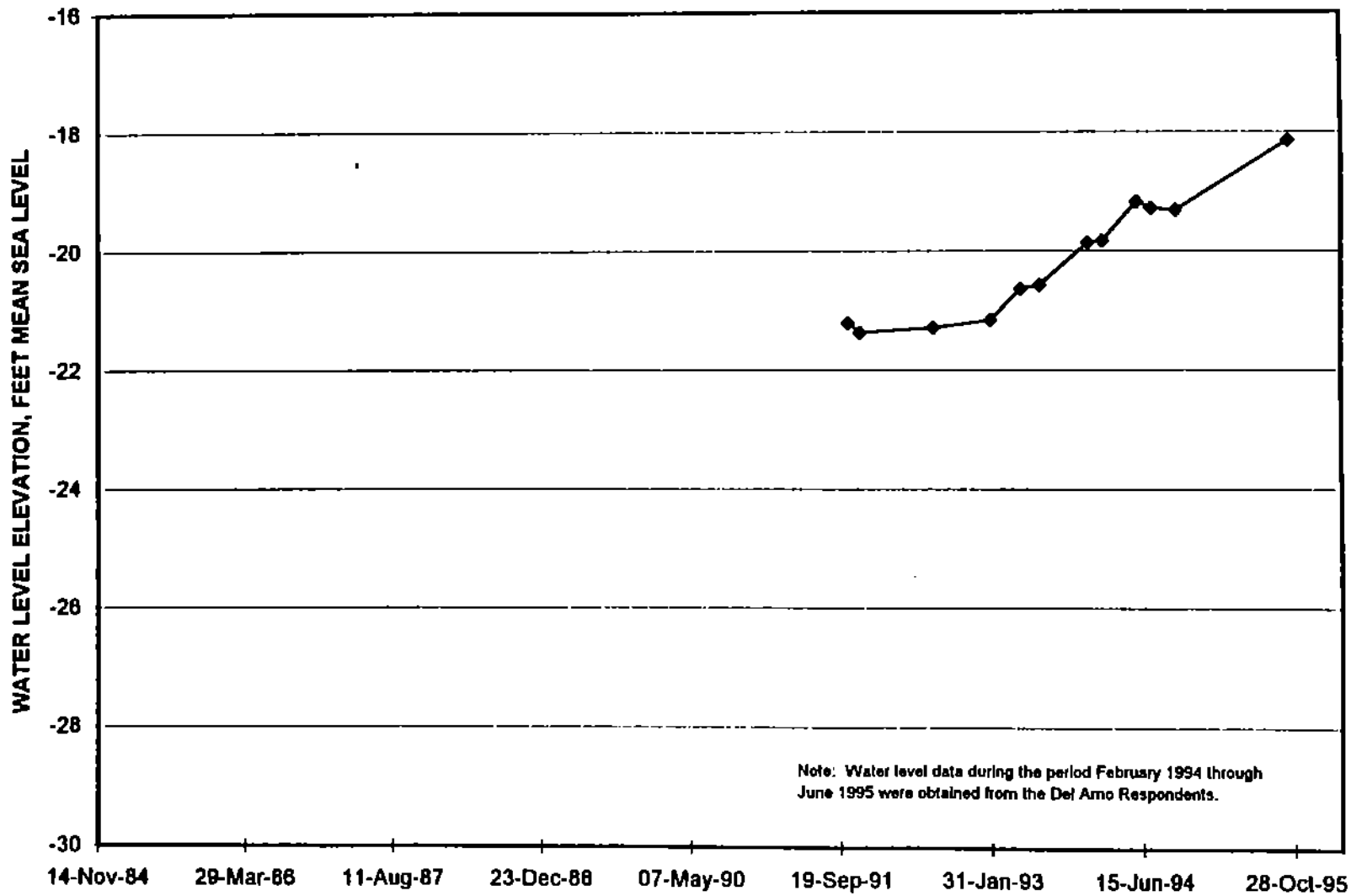


FIGURE F-49 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-19

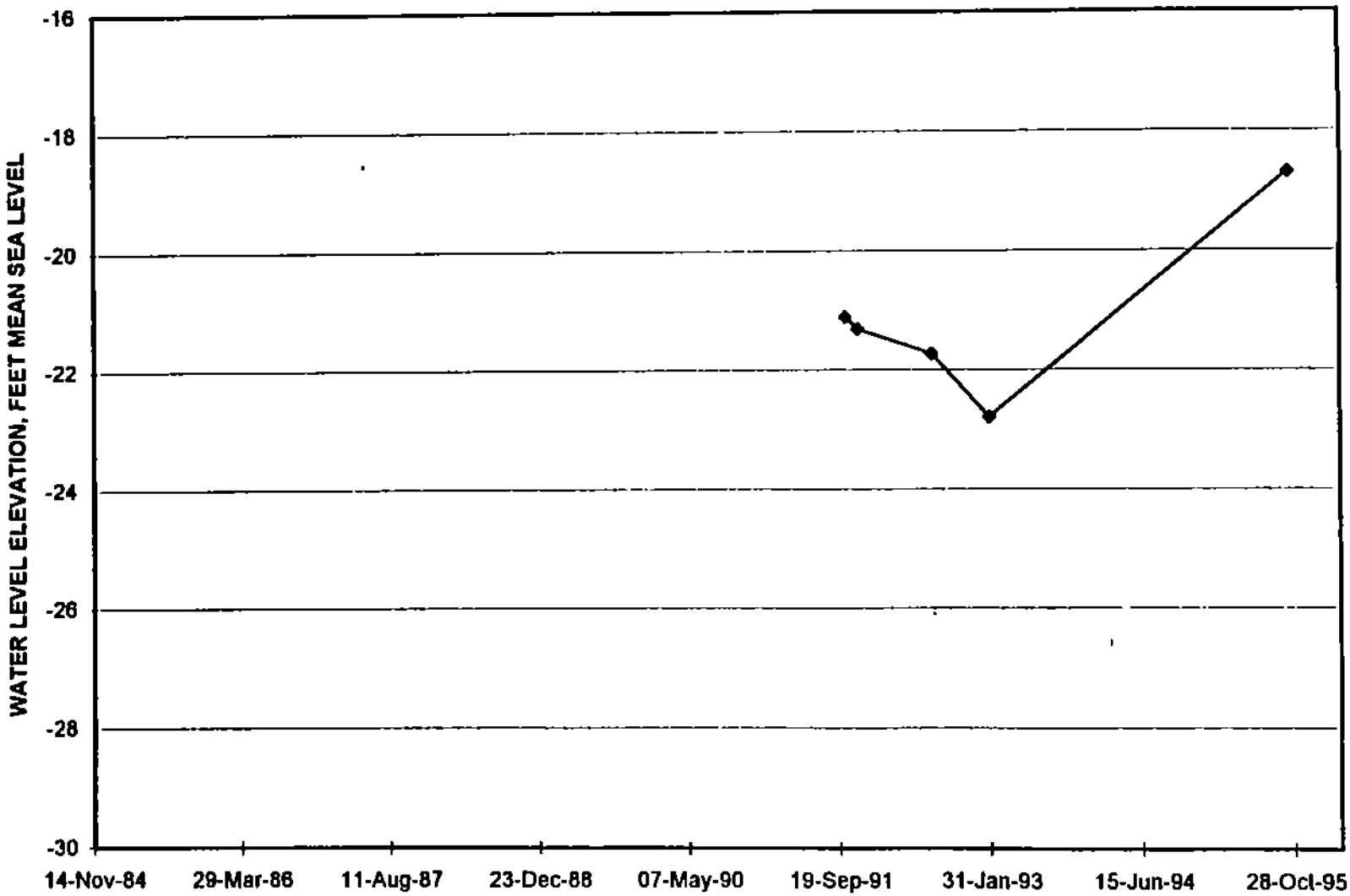


FIGURE F-50 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-20

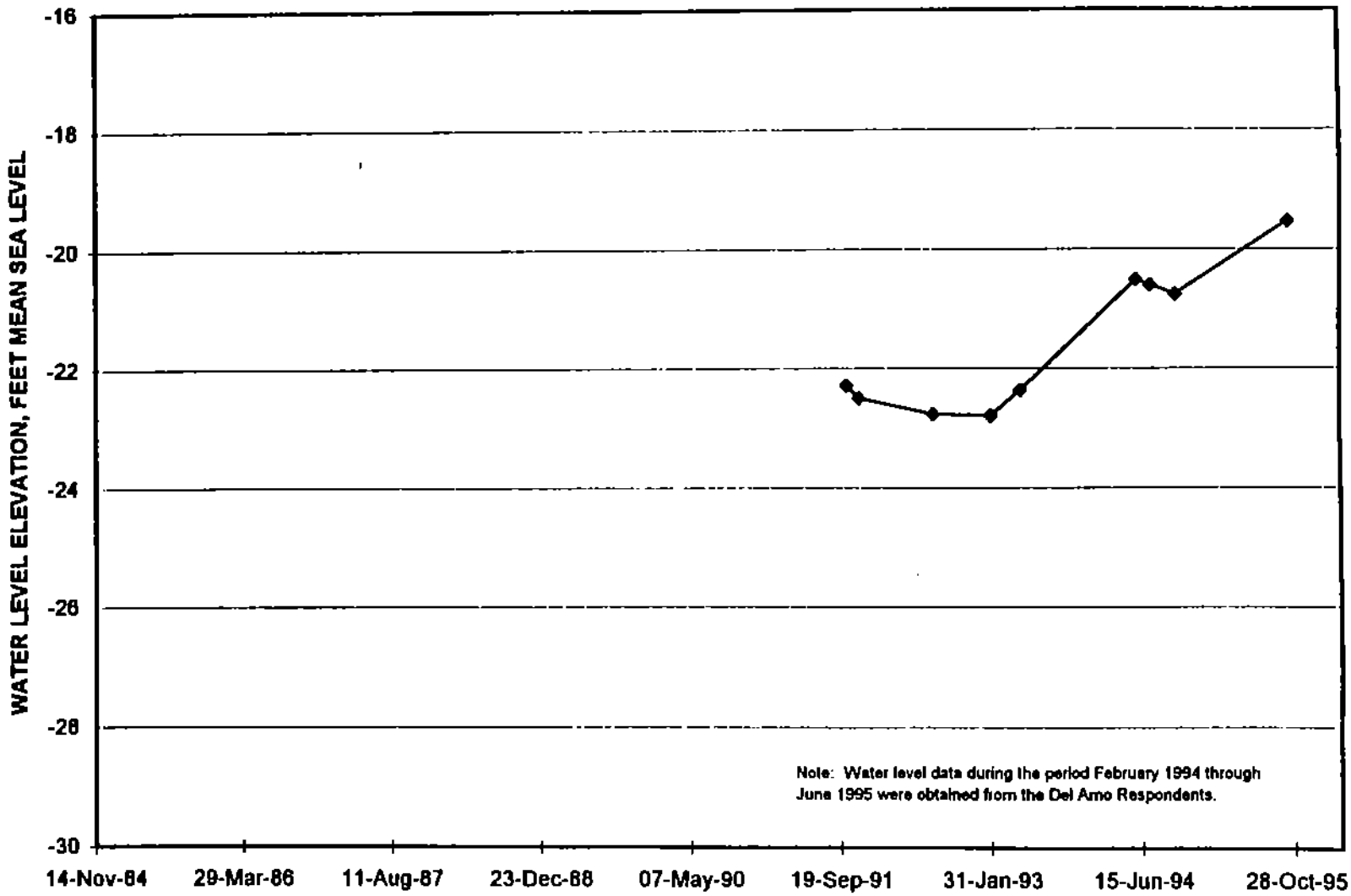


FIGURE F-51 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-21

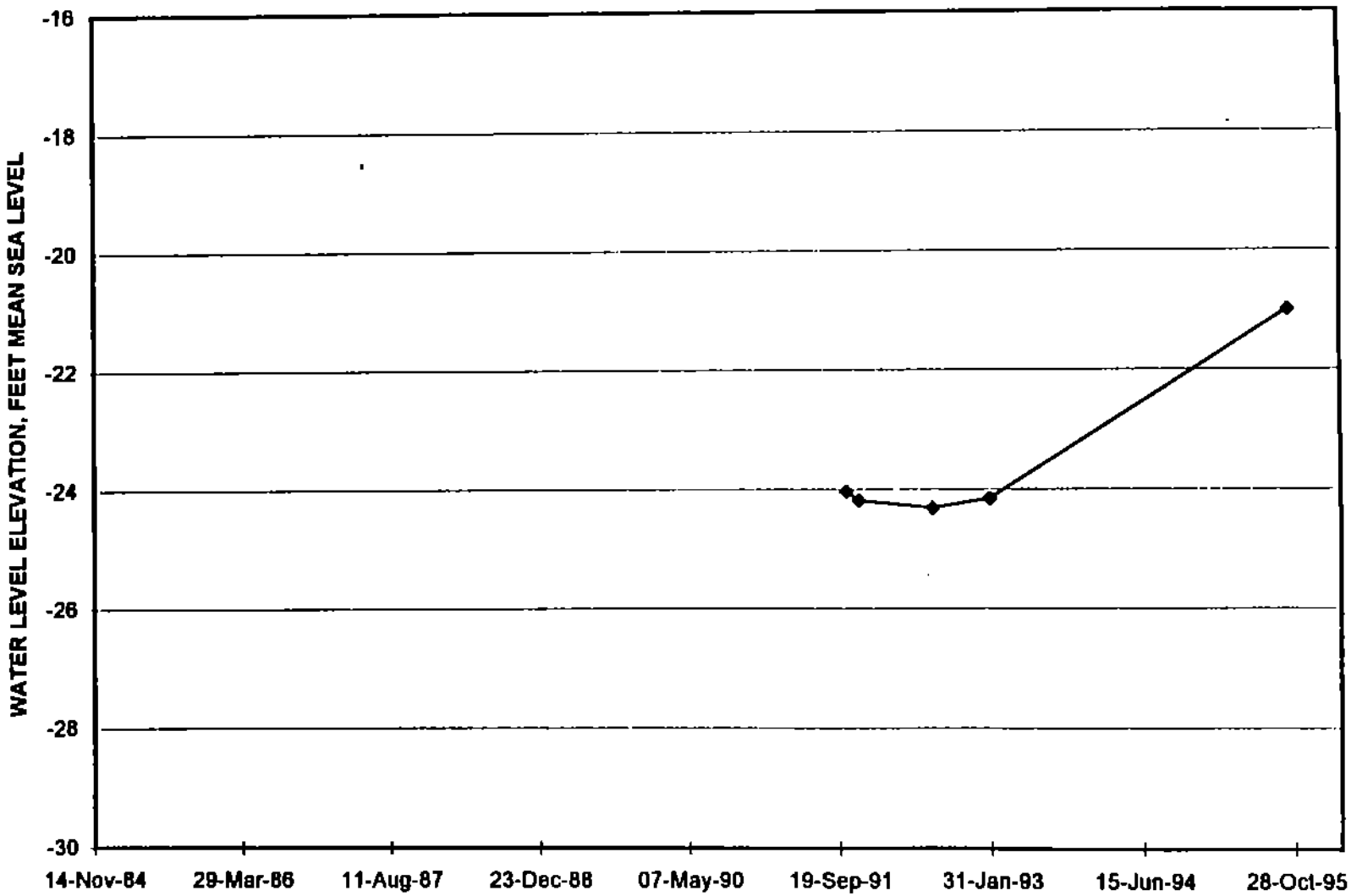


FIGURE F-52 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-22

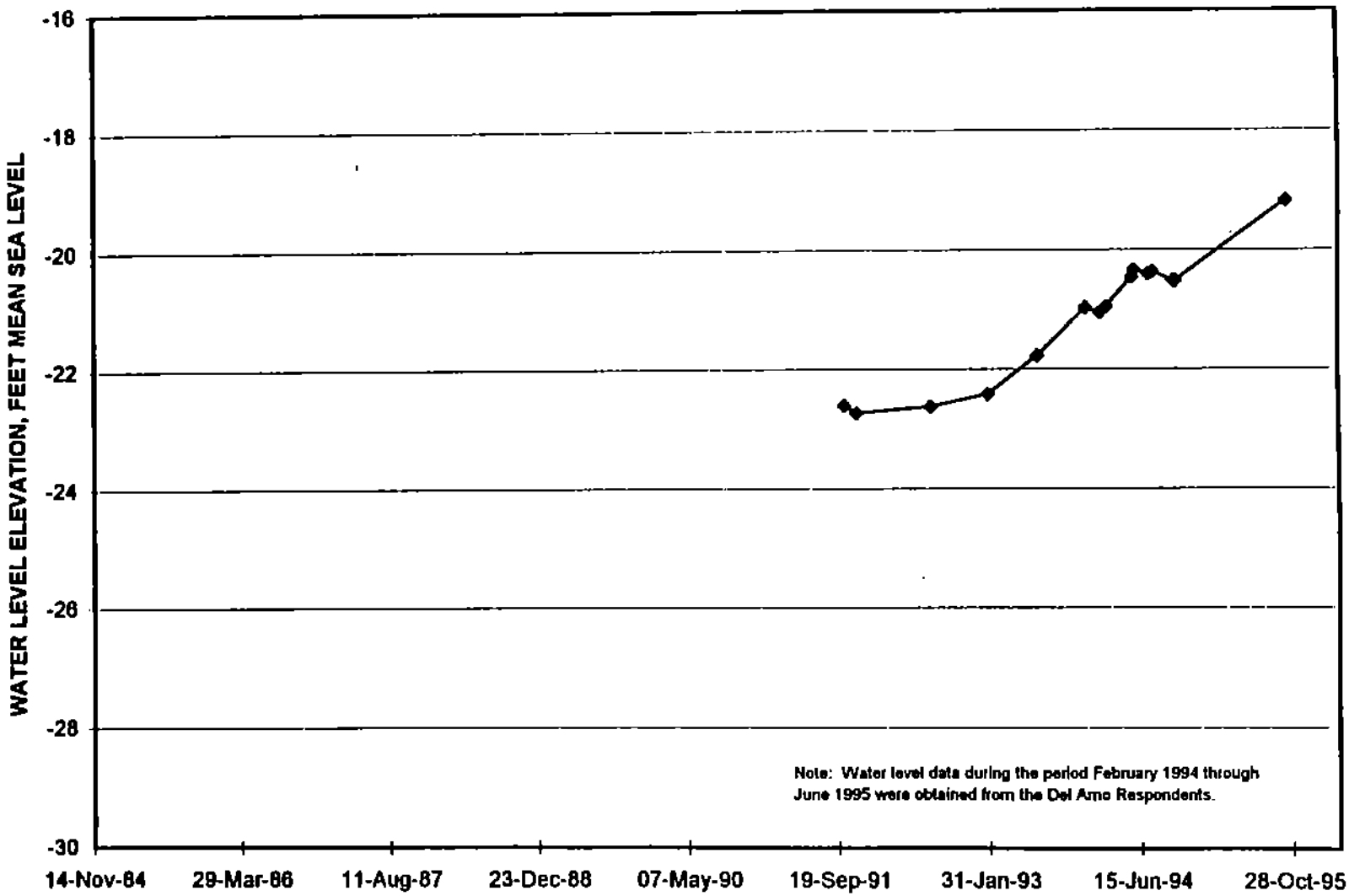


FIGURE F-53 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-23

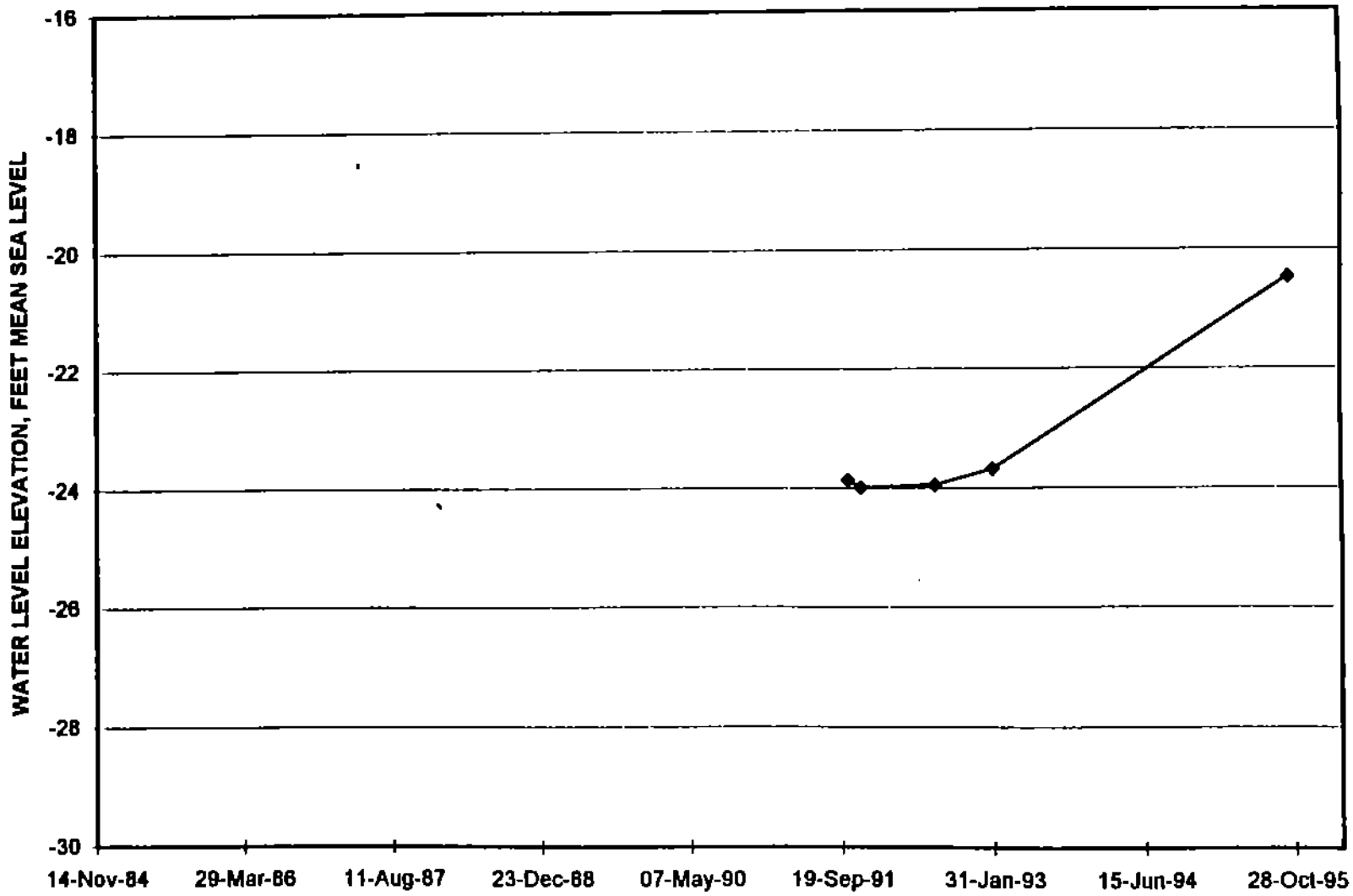


FIGURE F-54 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-24

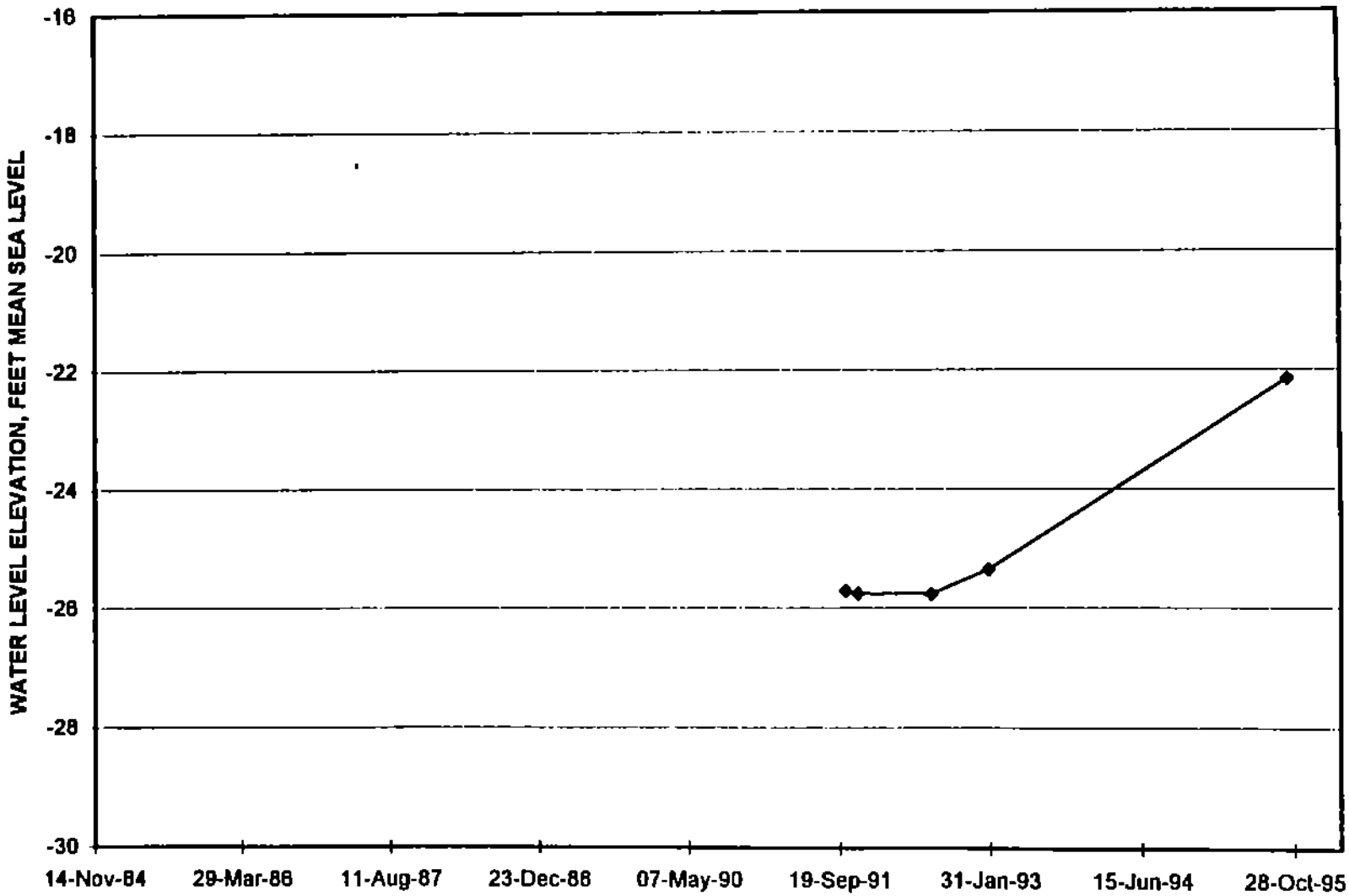


FIGURE F-55 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-25

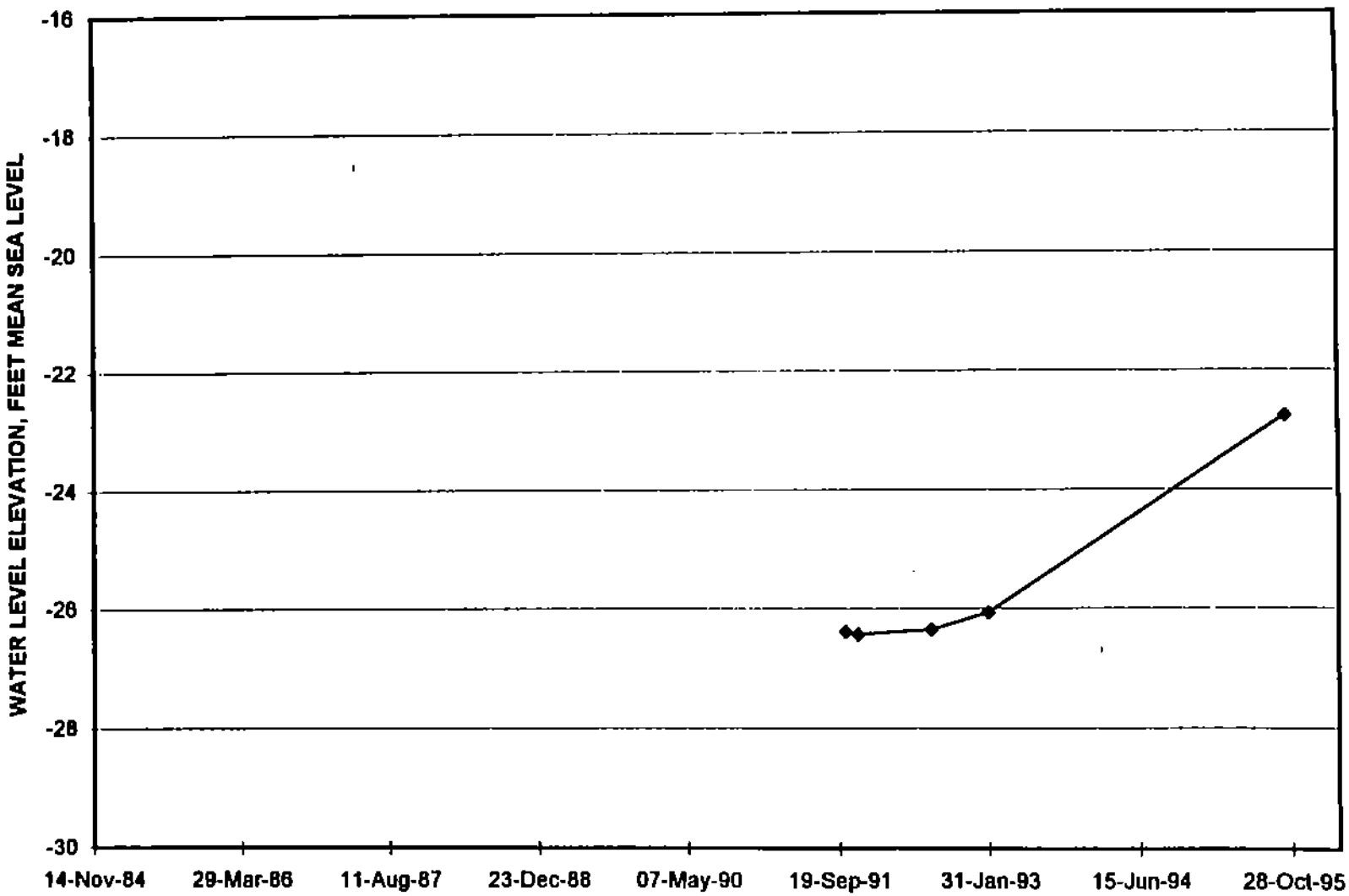


FIGURE F-56 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-26

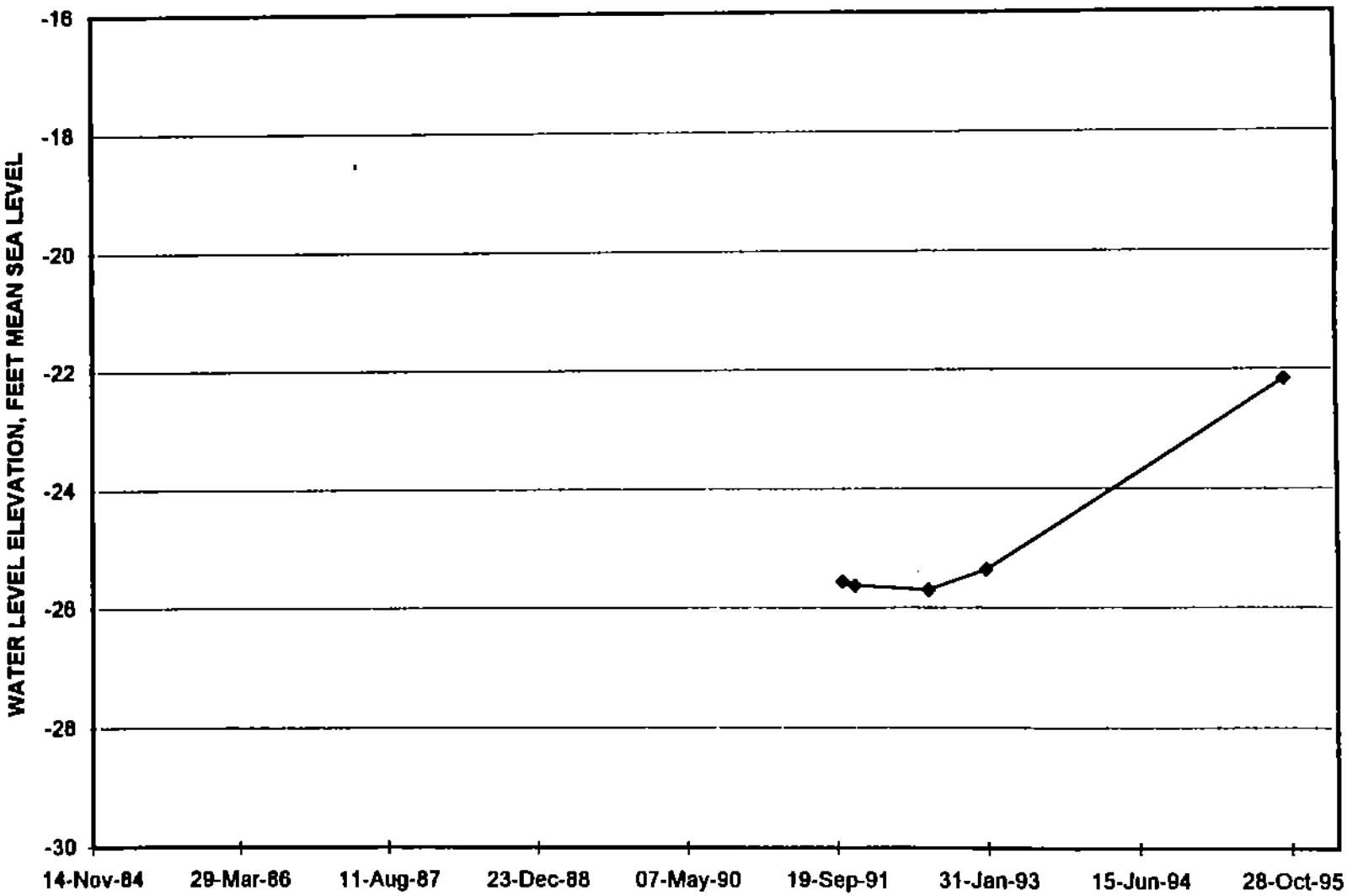


FIGURE F-57 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-27

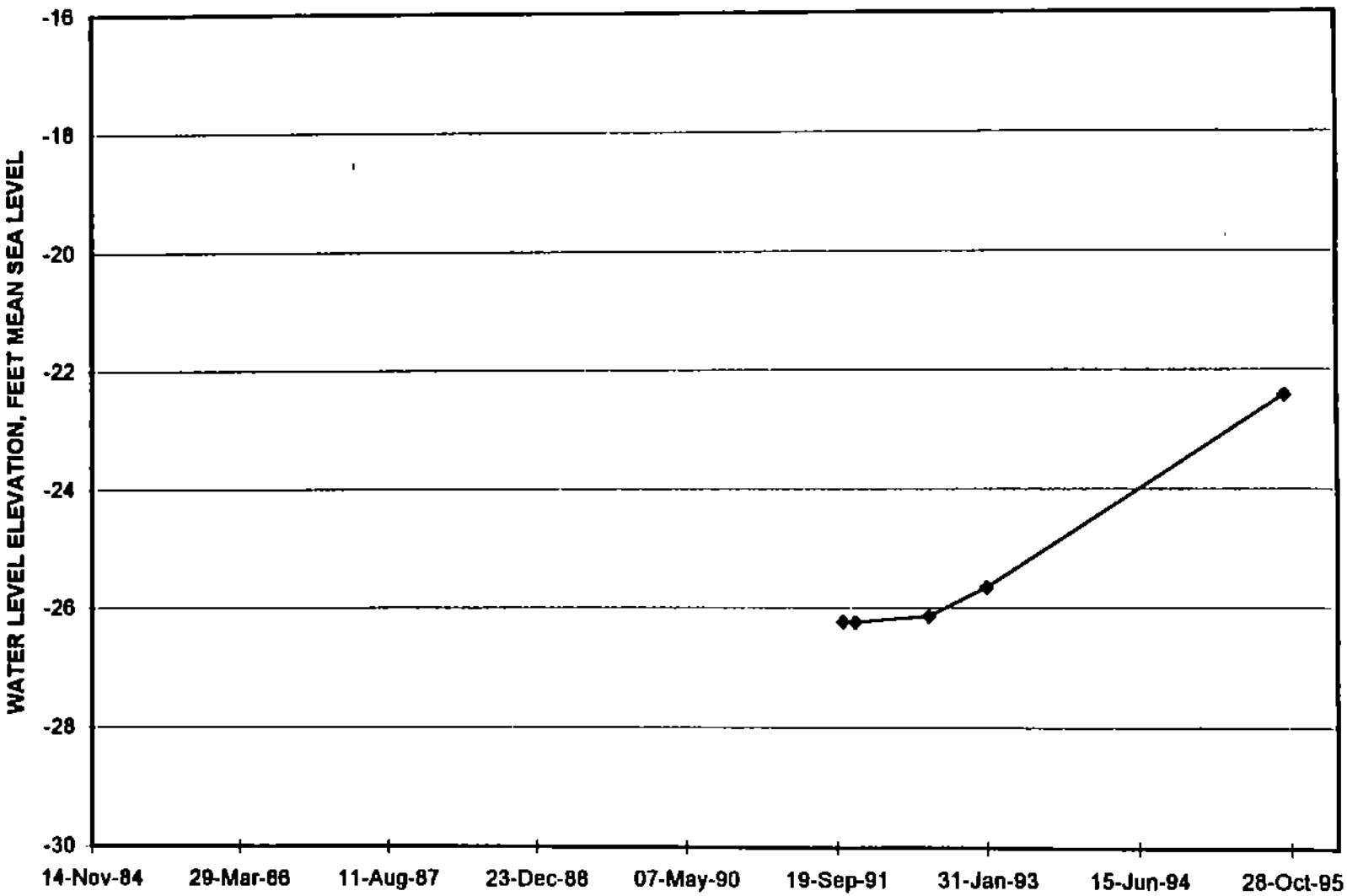


FIGURE F-58 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-28

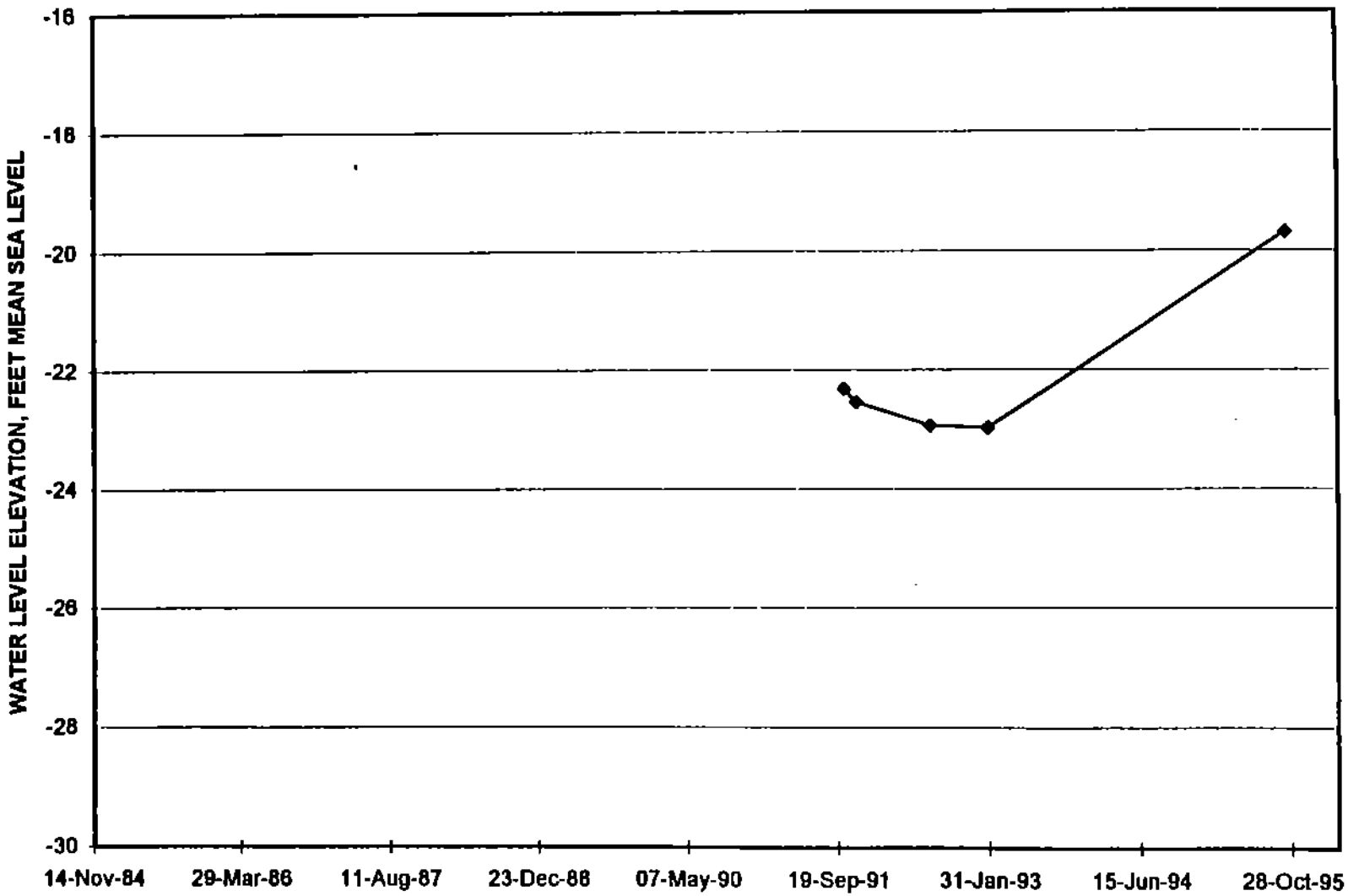


FIGURE F-59 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-29

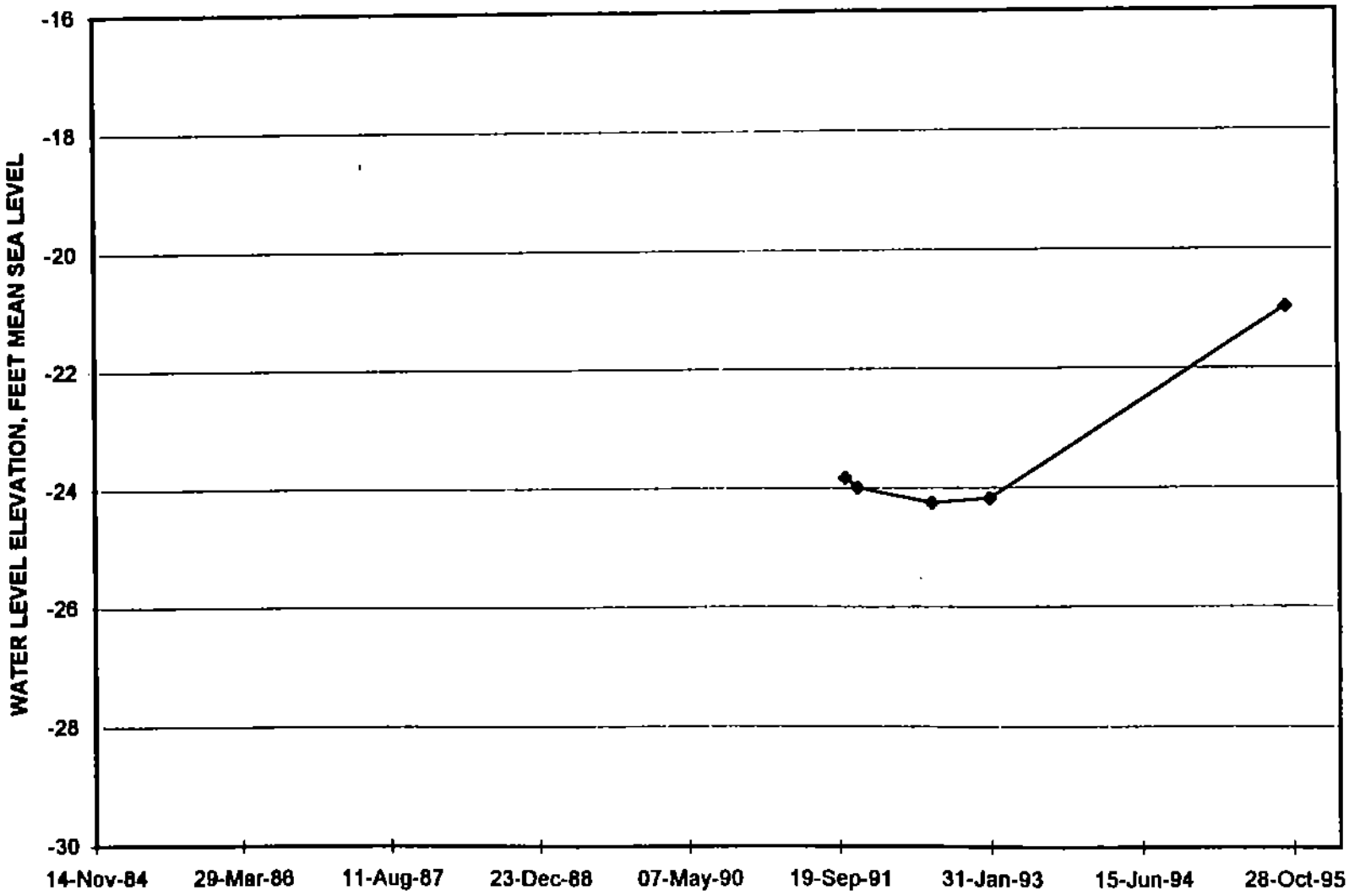


FIGURE F-60 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-30

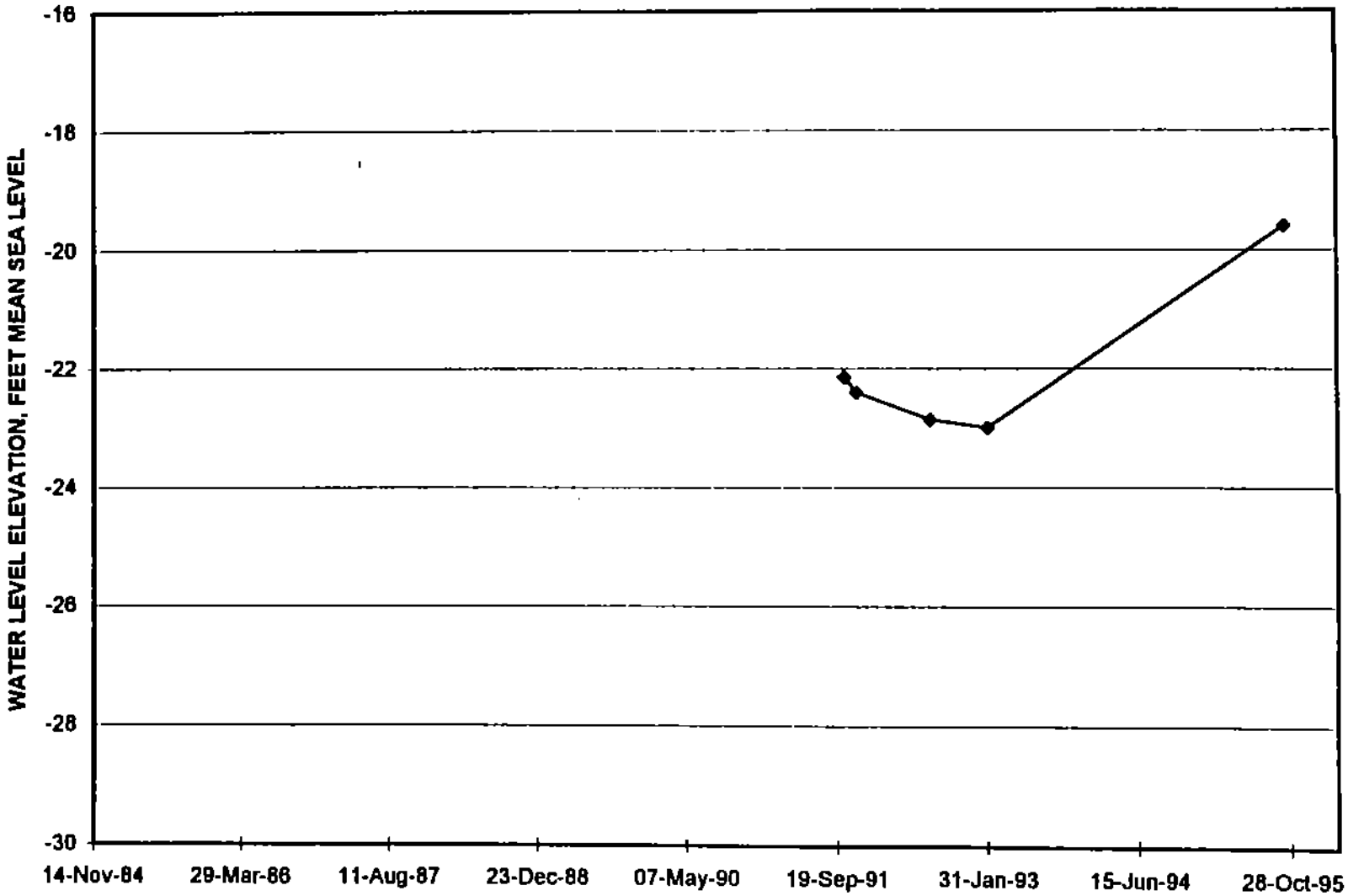


FIGURE F-61 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-31

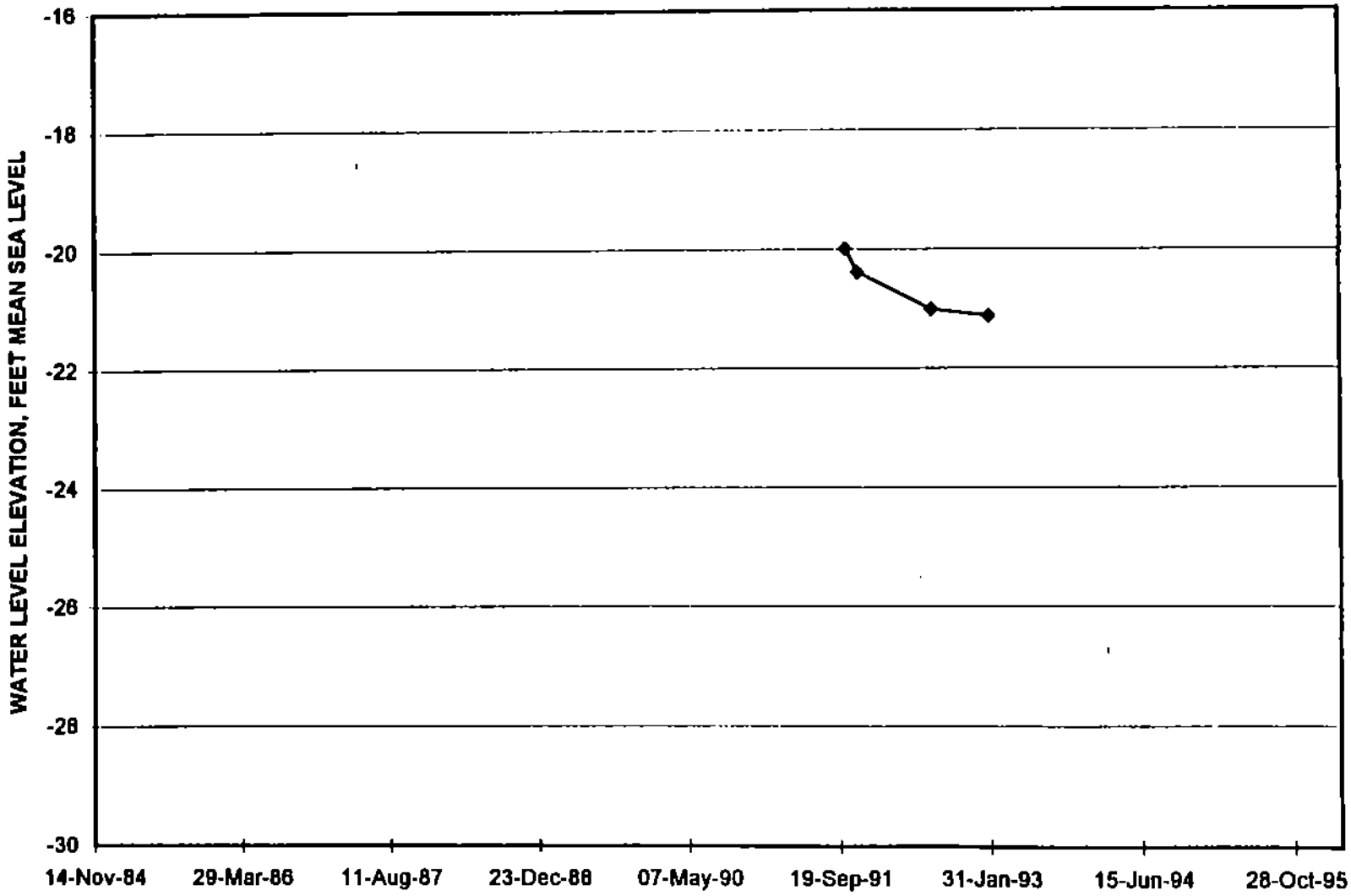


FIGURE F-62 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-32

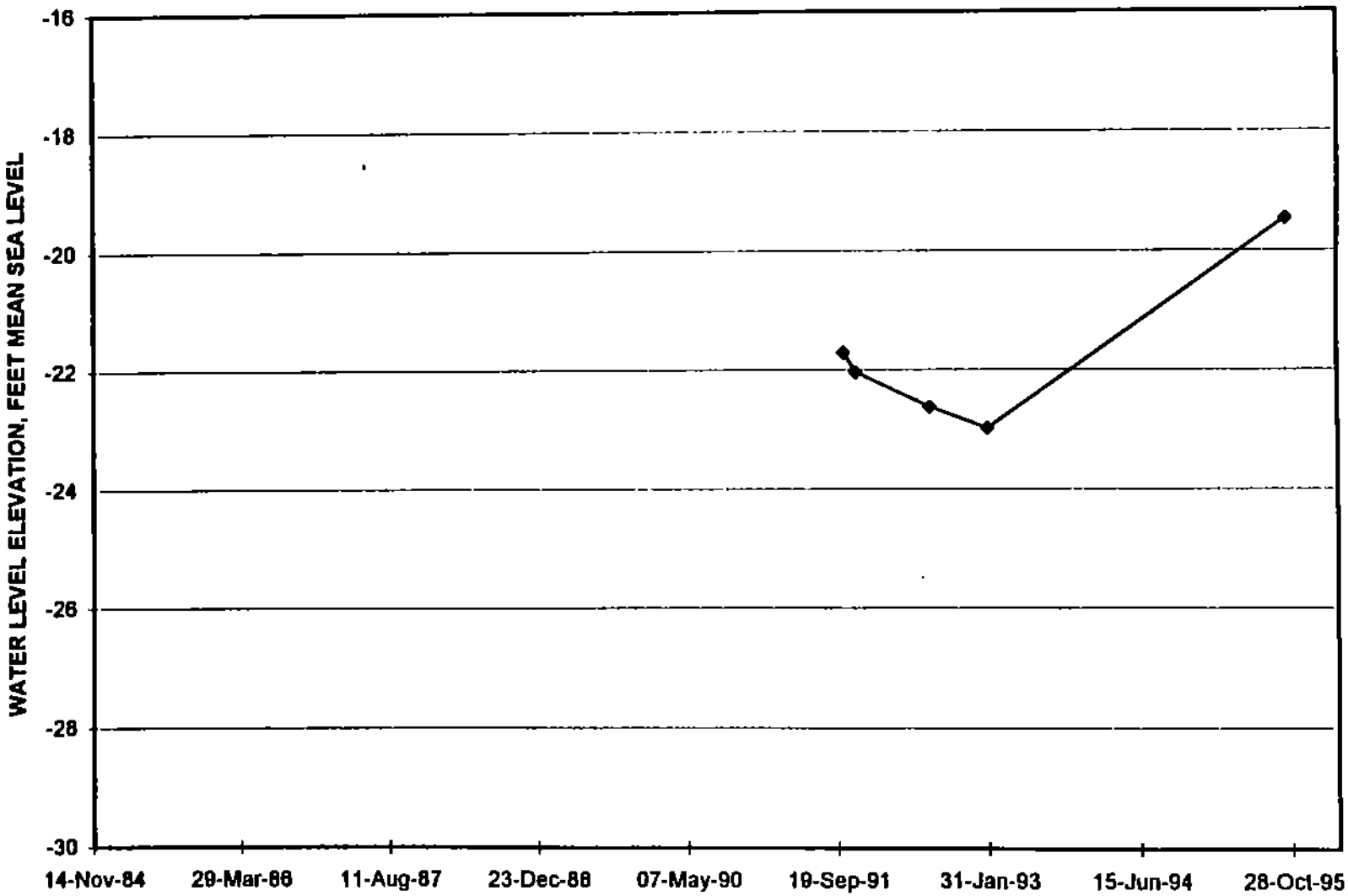


FIGURE F-63 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL BF-33

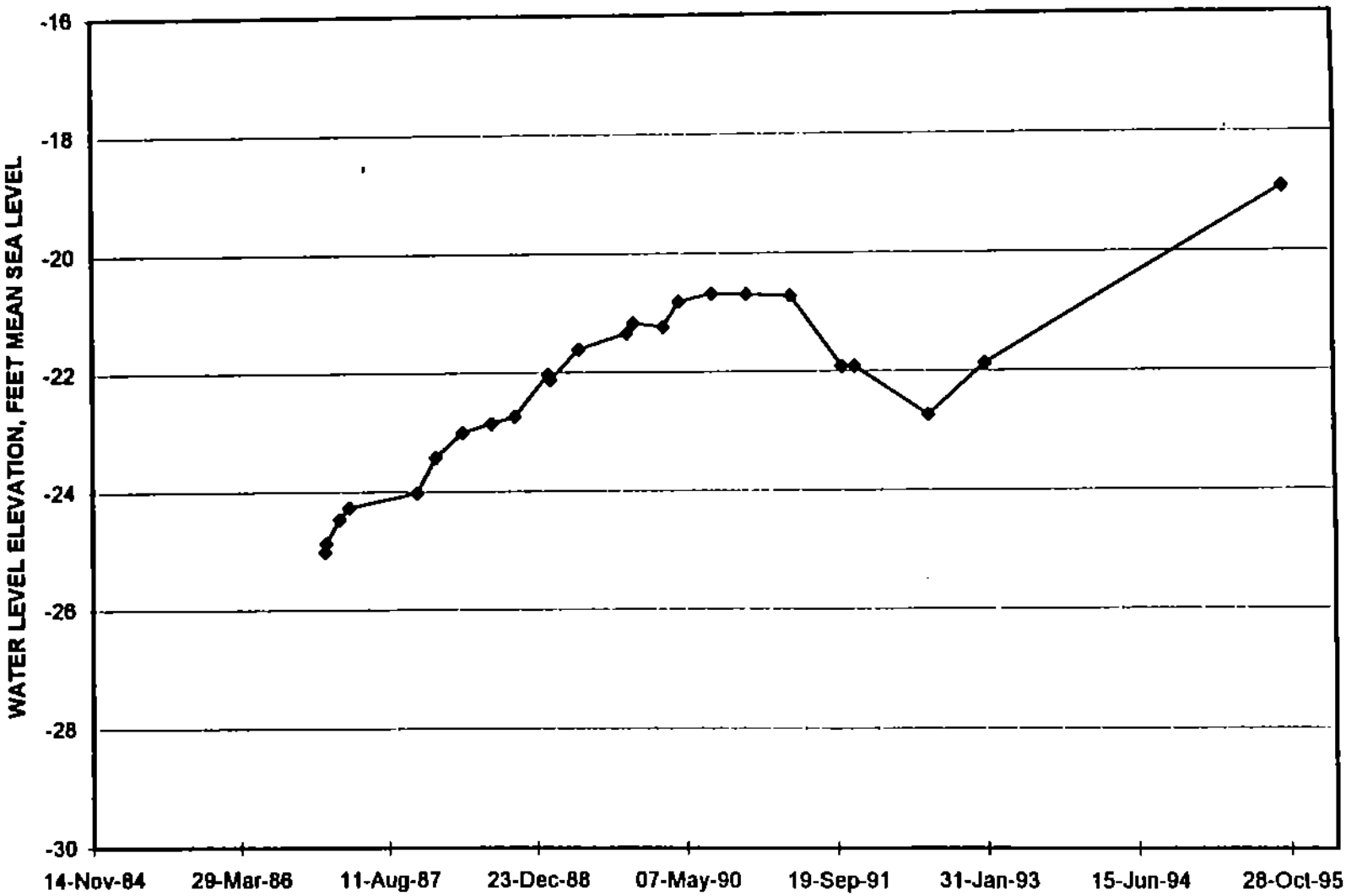


FIGURE F-64 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-01

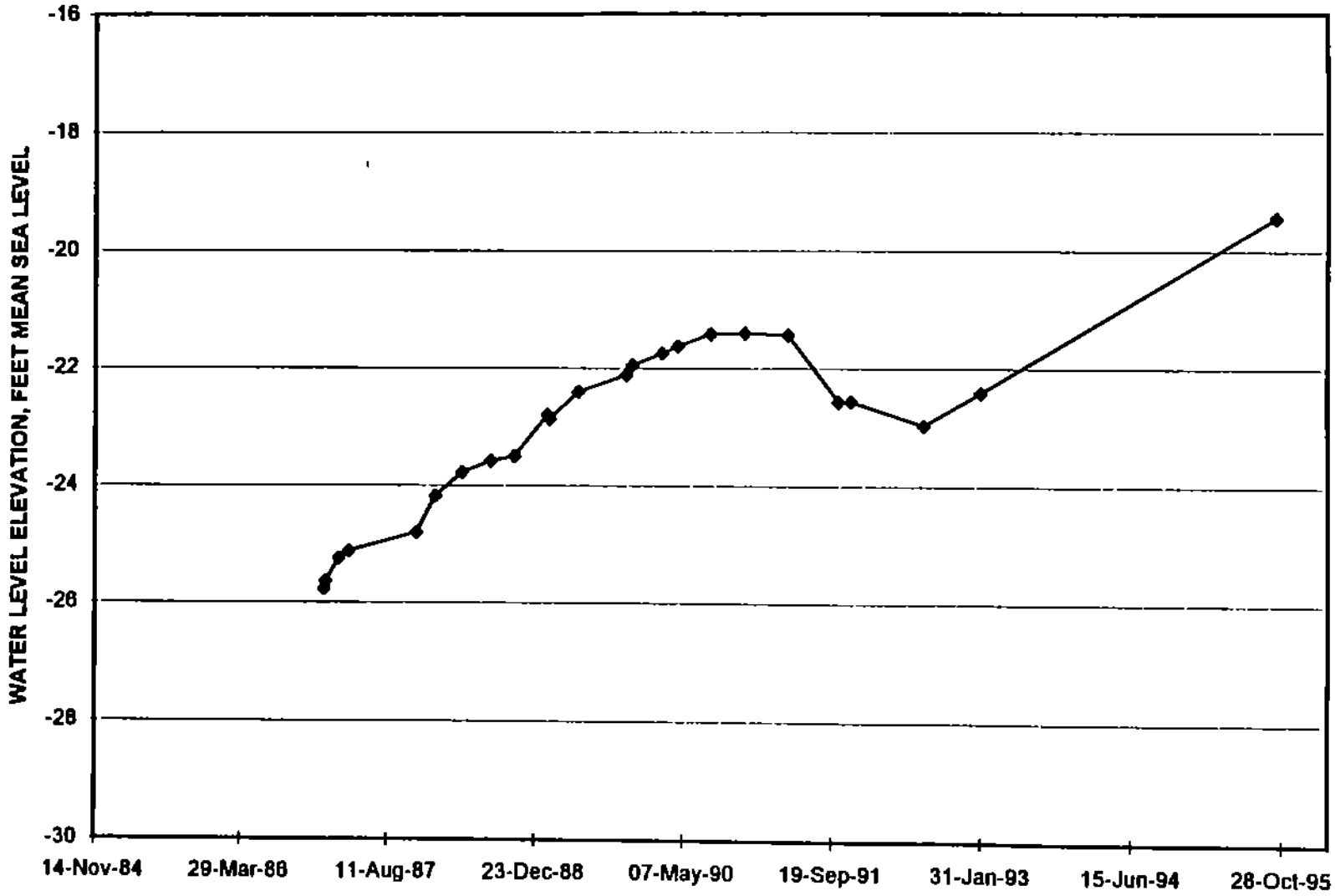


FIGURE F-65 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-02

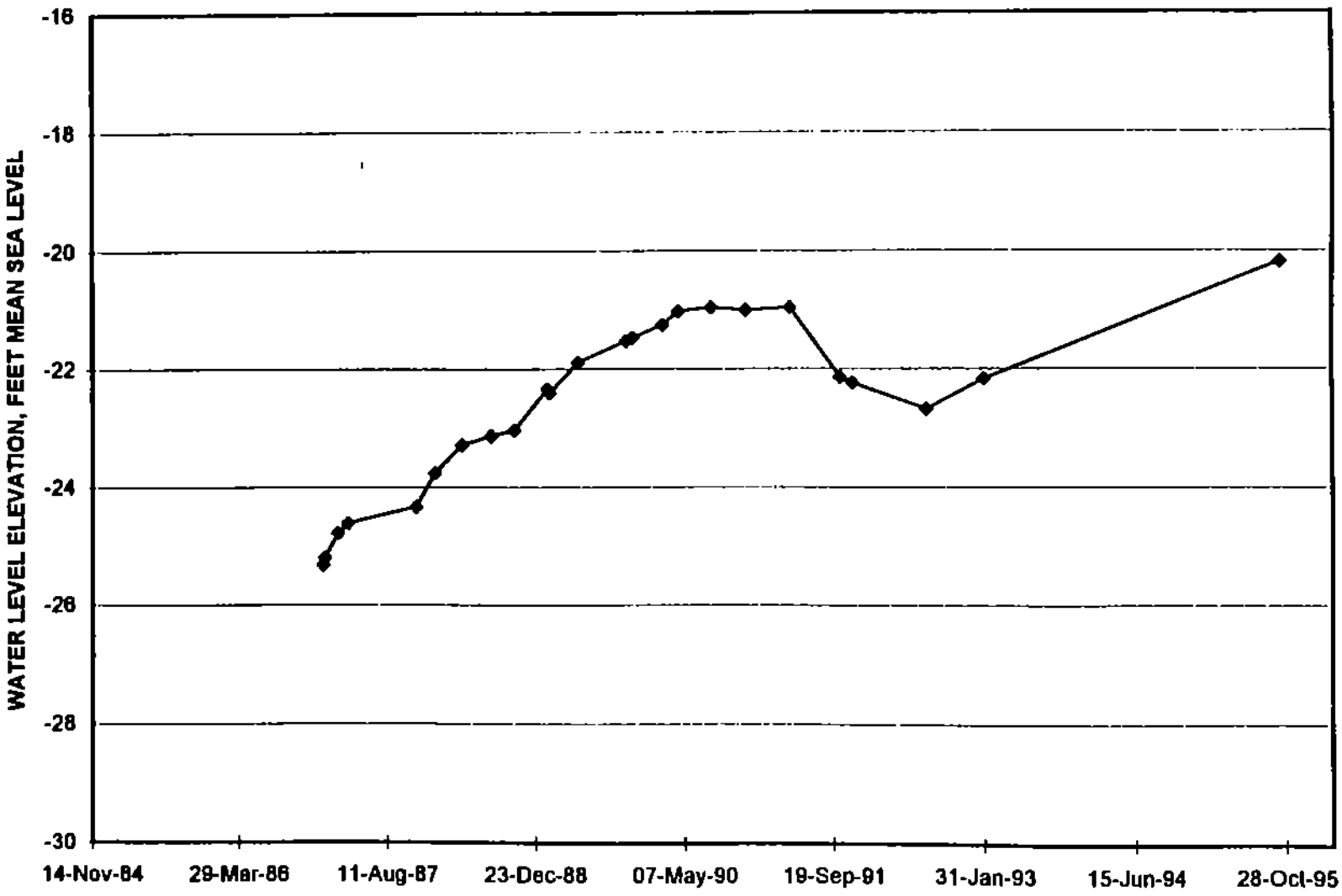


FIGURE F-66 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-03

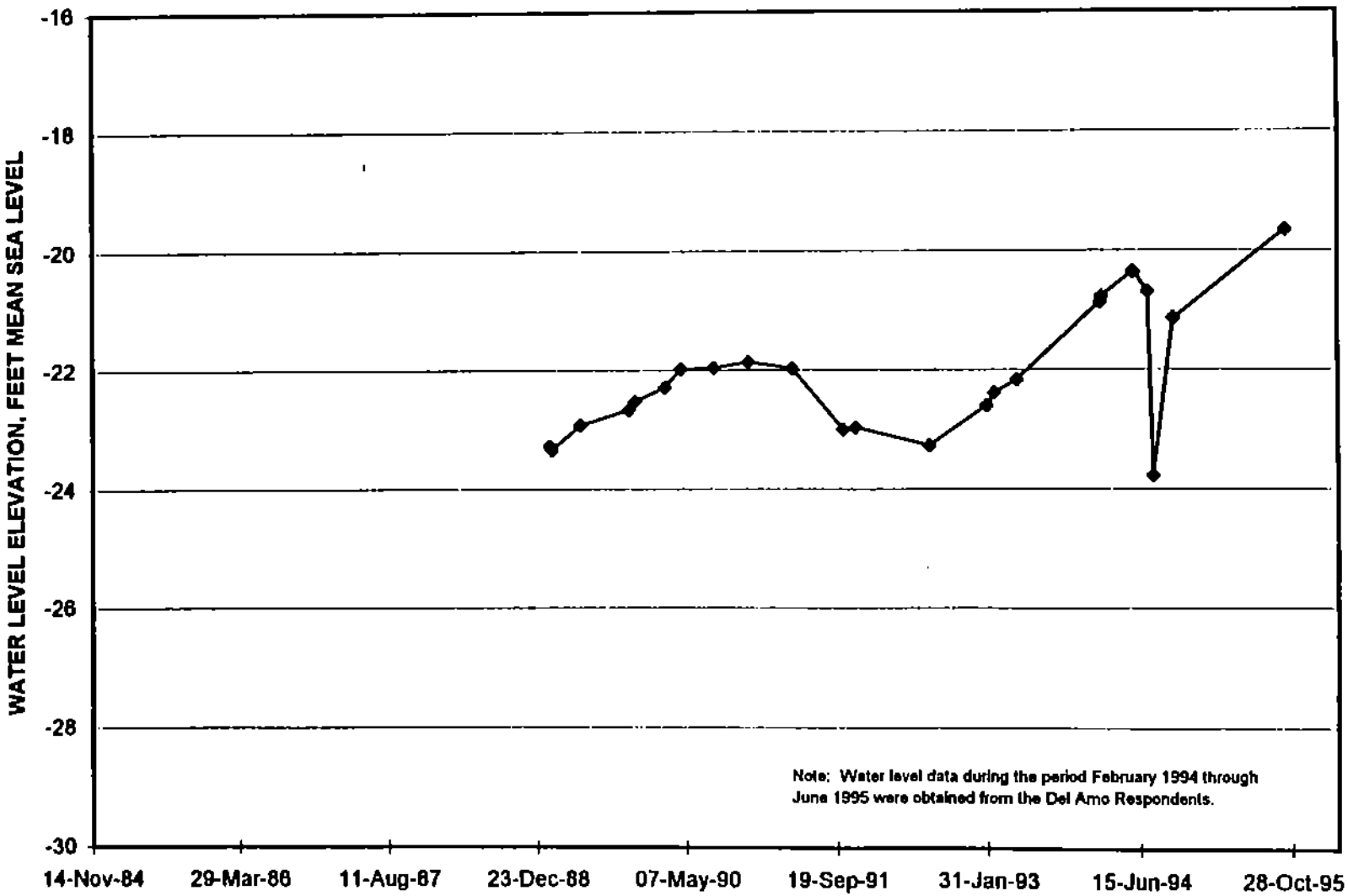


FIGURE F-67 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-04

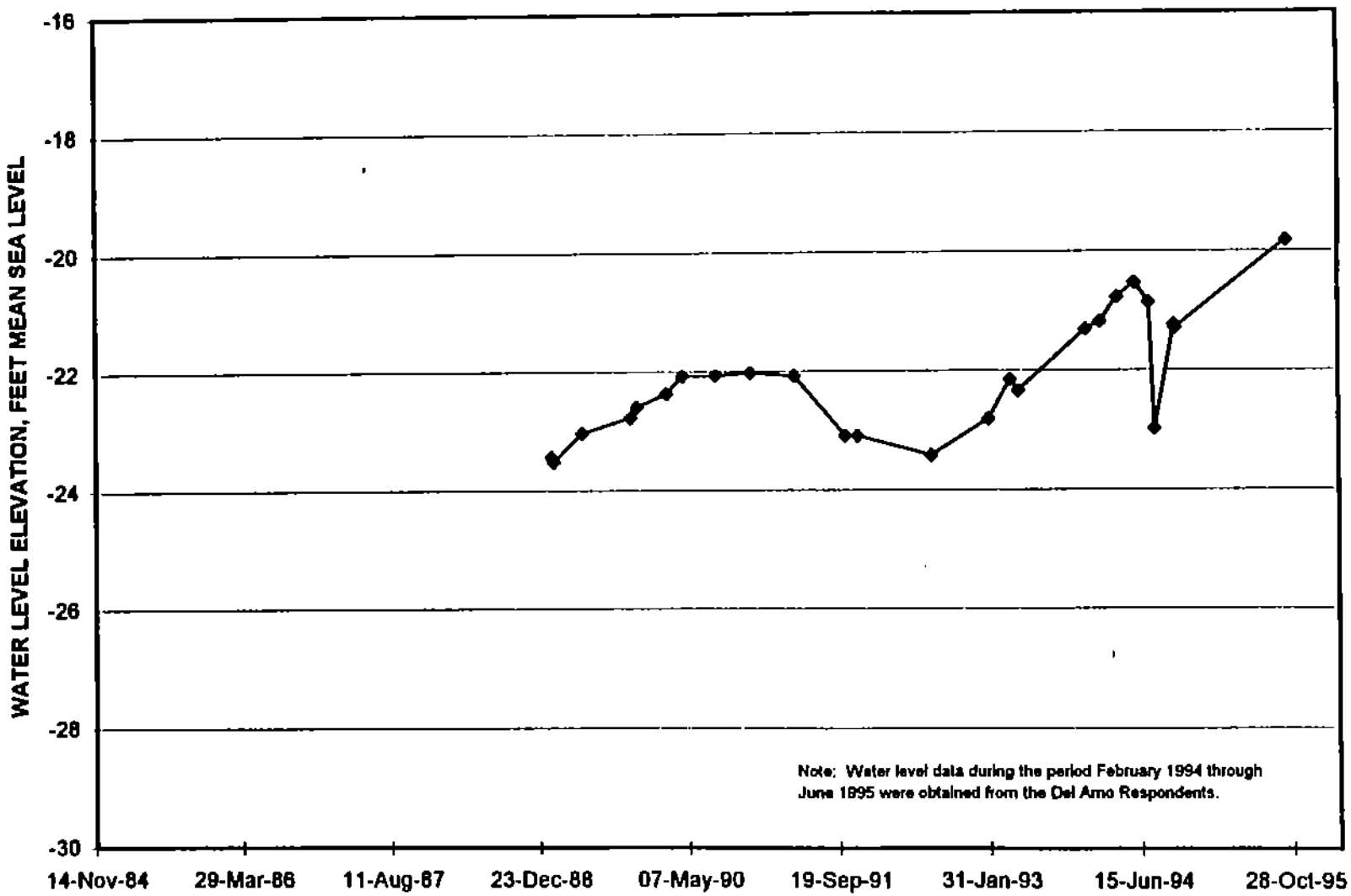


FIGURE F-68 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-05

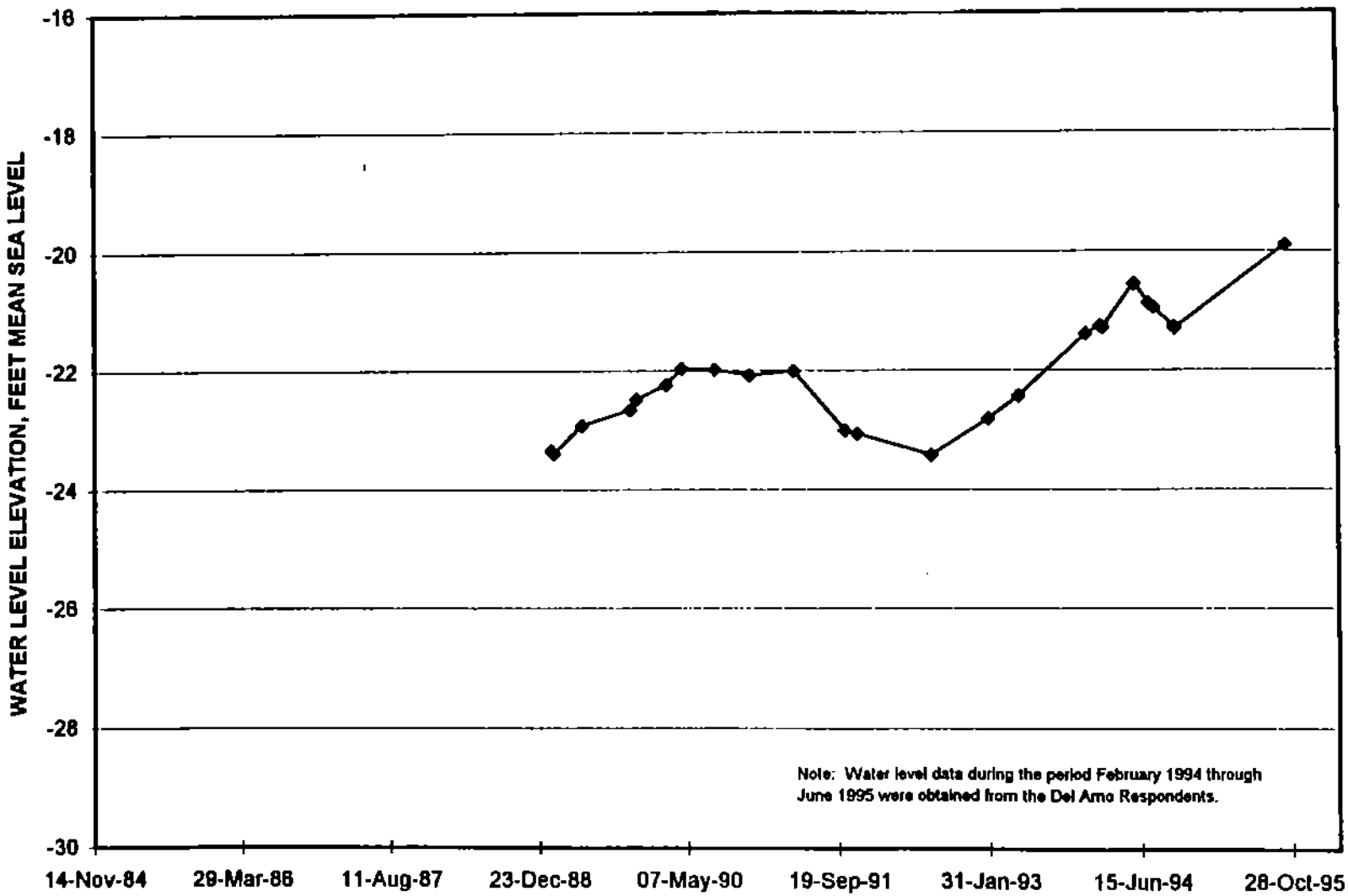


FIGURE F-69 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-06

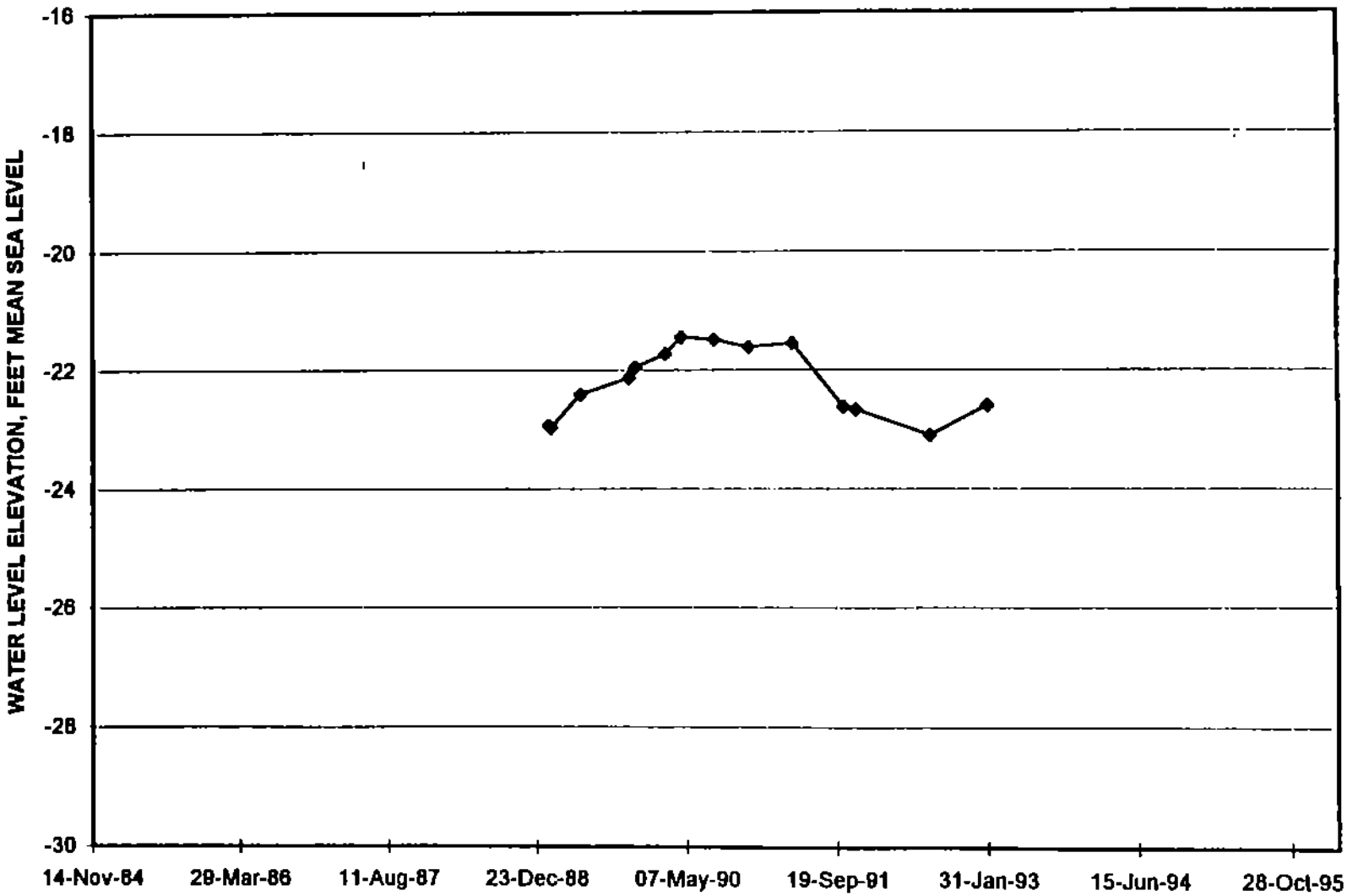


FIGURE F-70 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-07

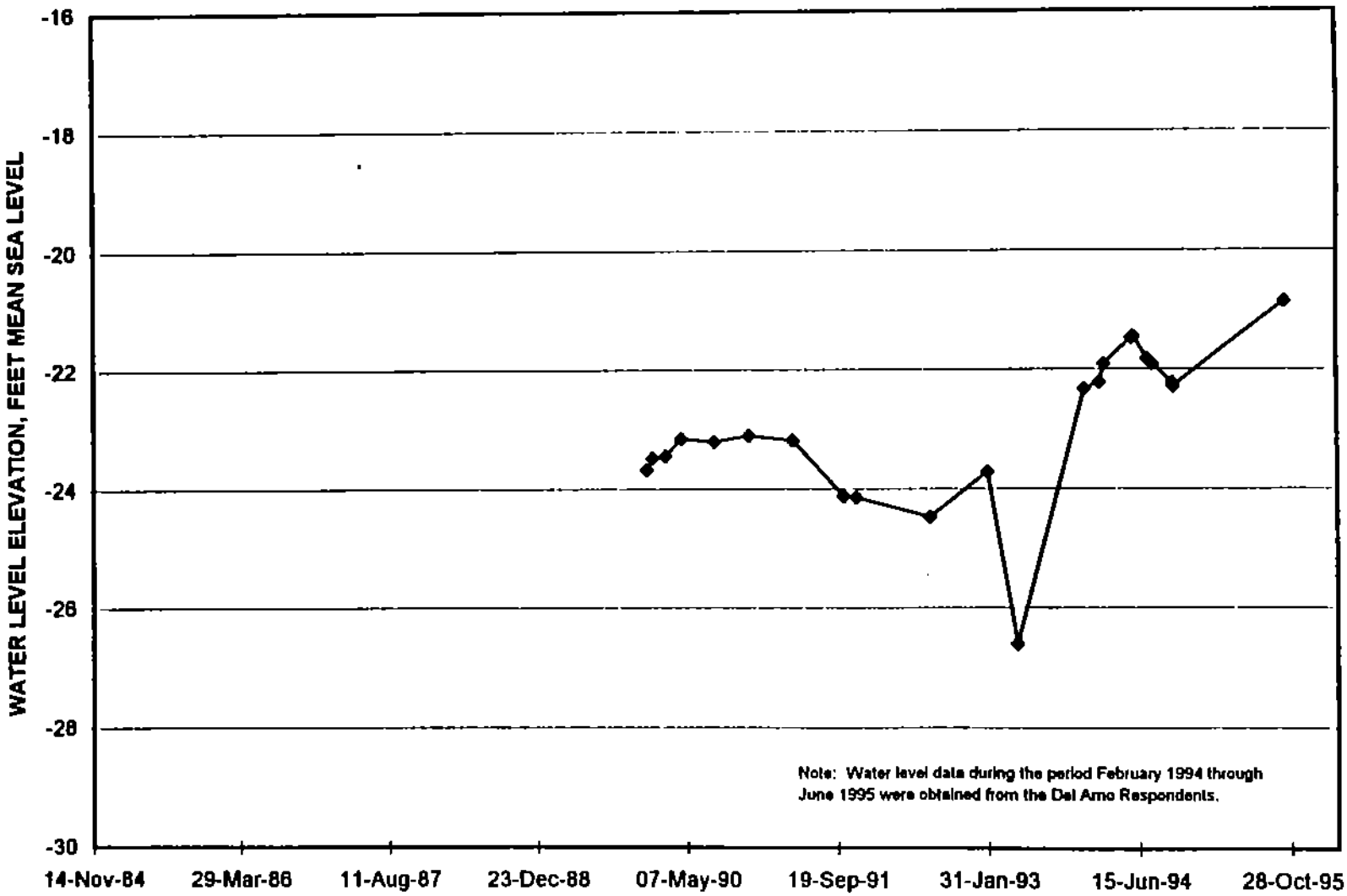


FIGURE F-71 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-08

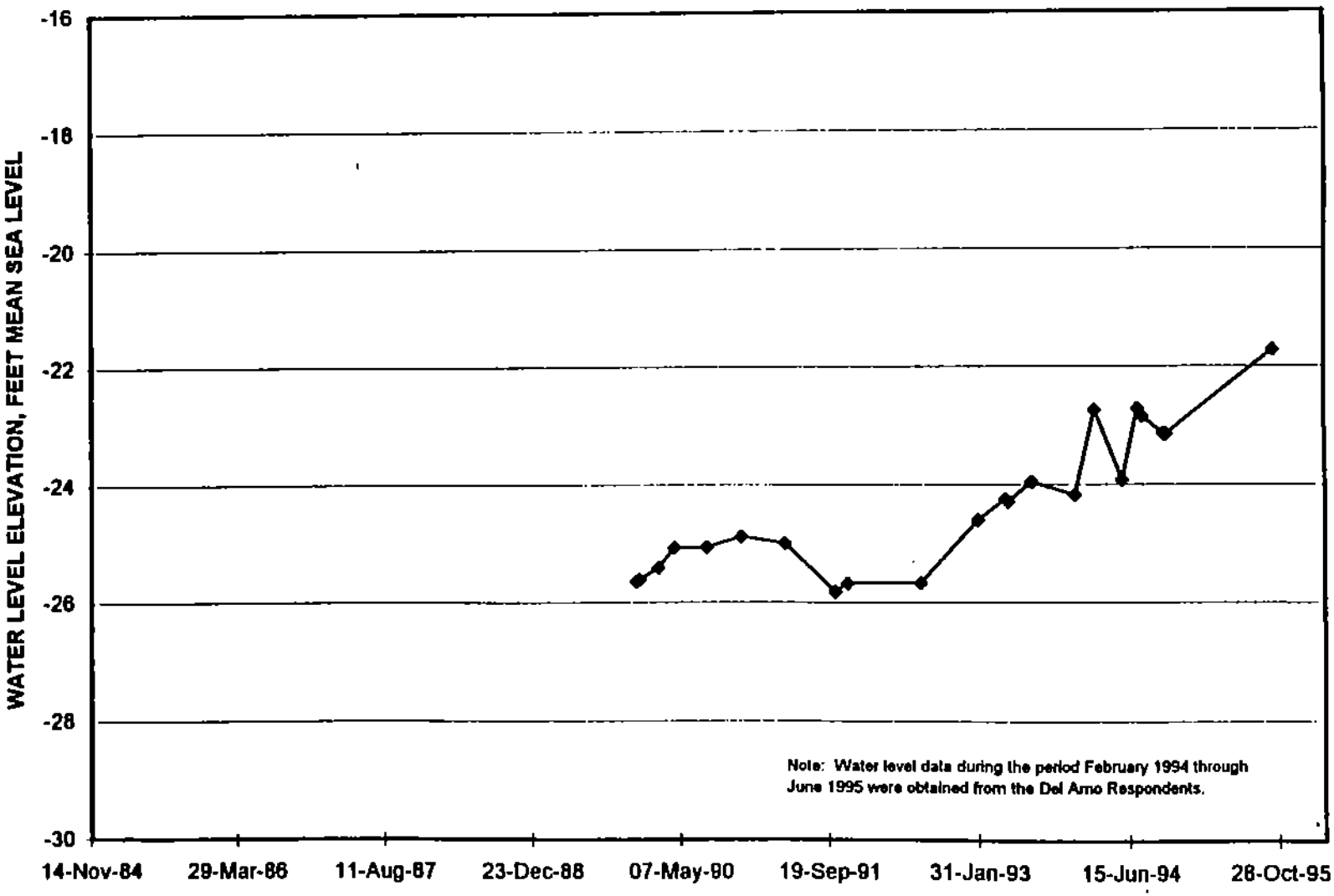
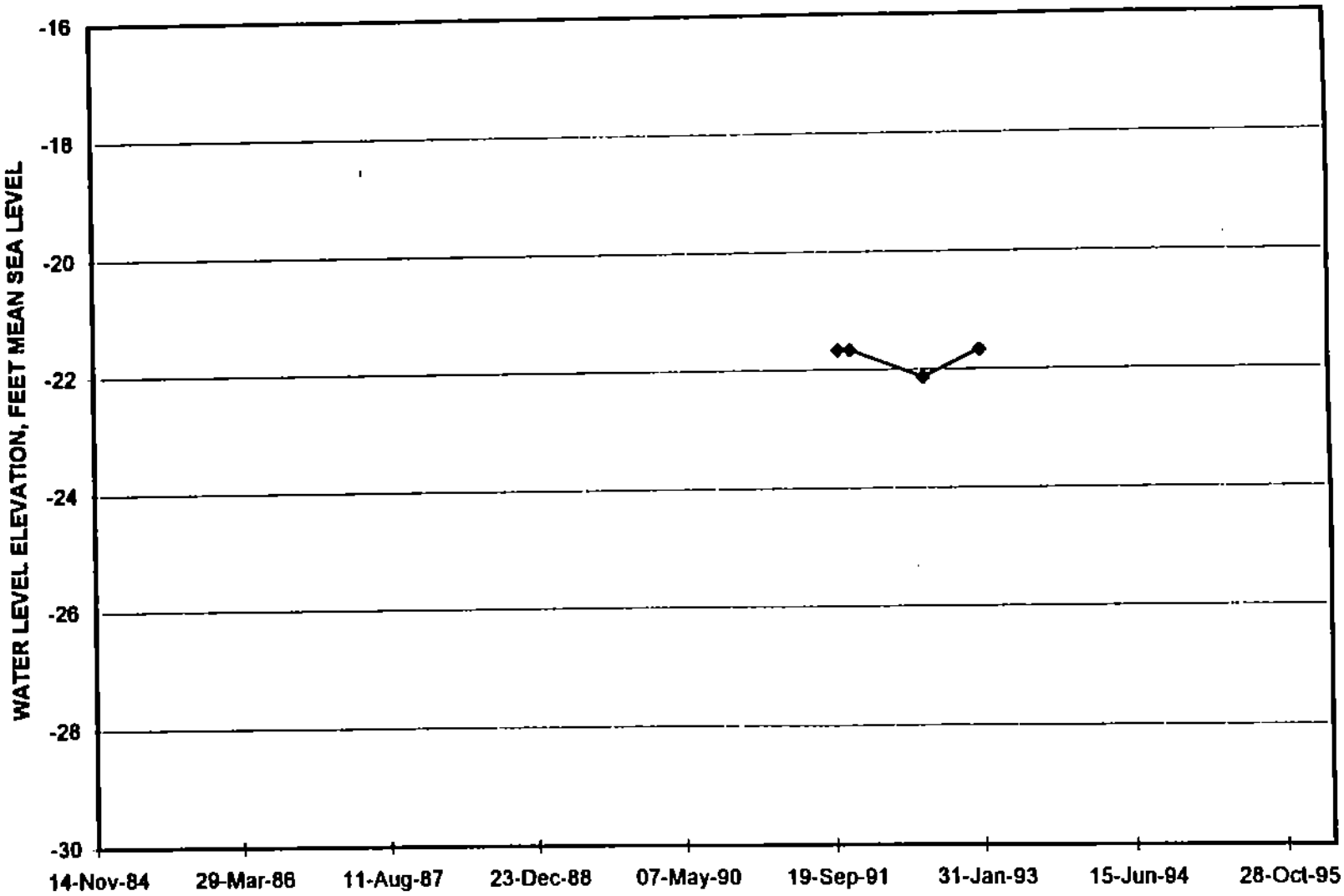


FIGURE F-72 WATER LEVEL ELEVATION HYDROGRAPH FOR MONITOR WELL G-09



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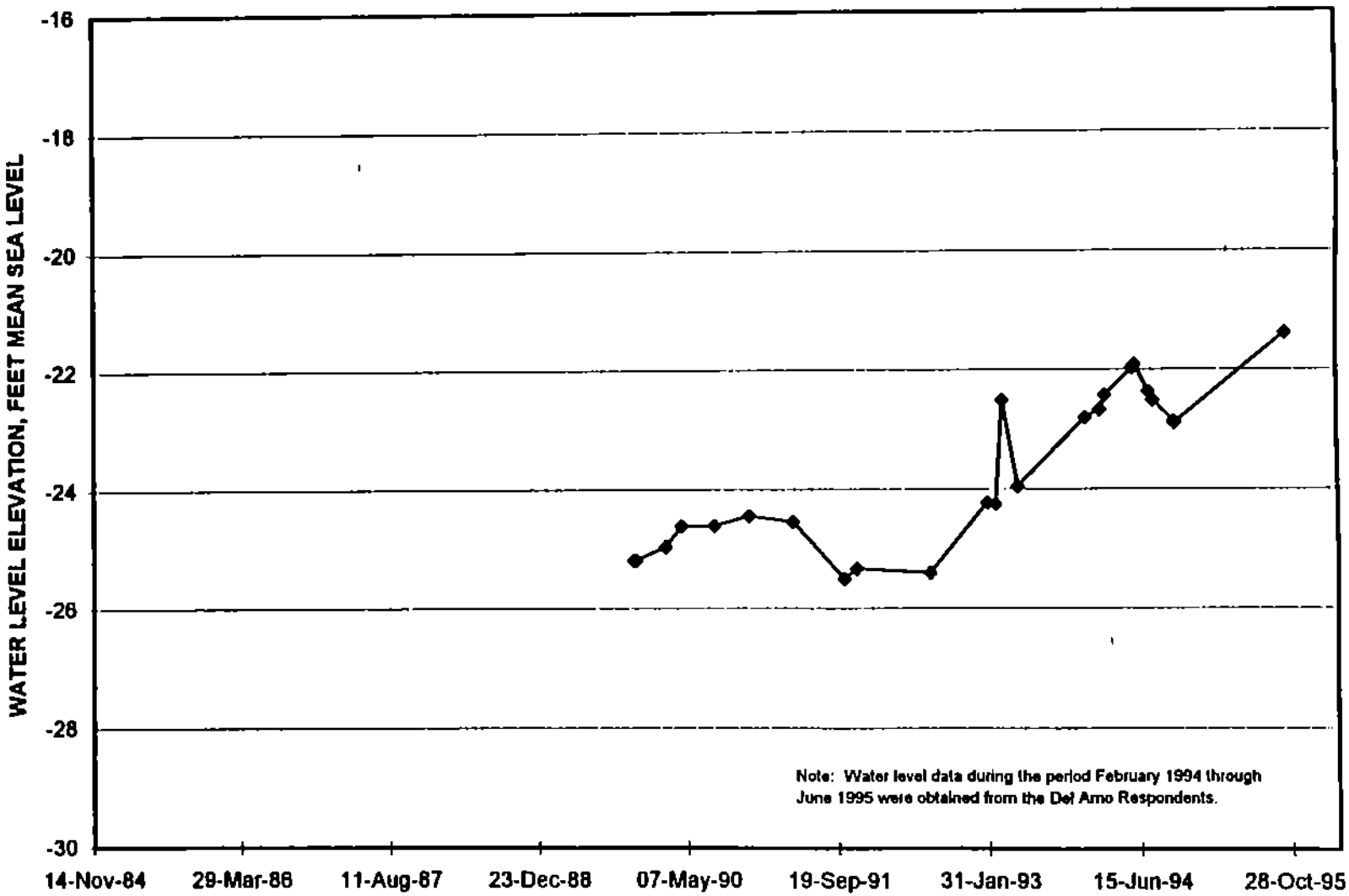

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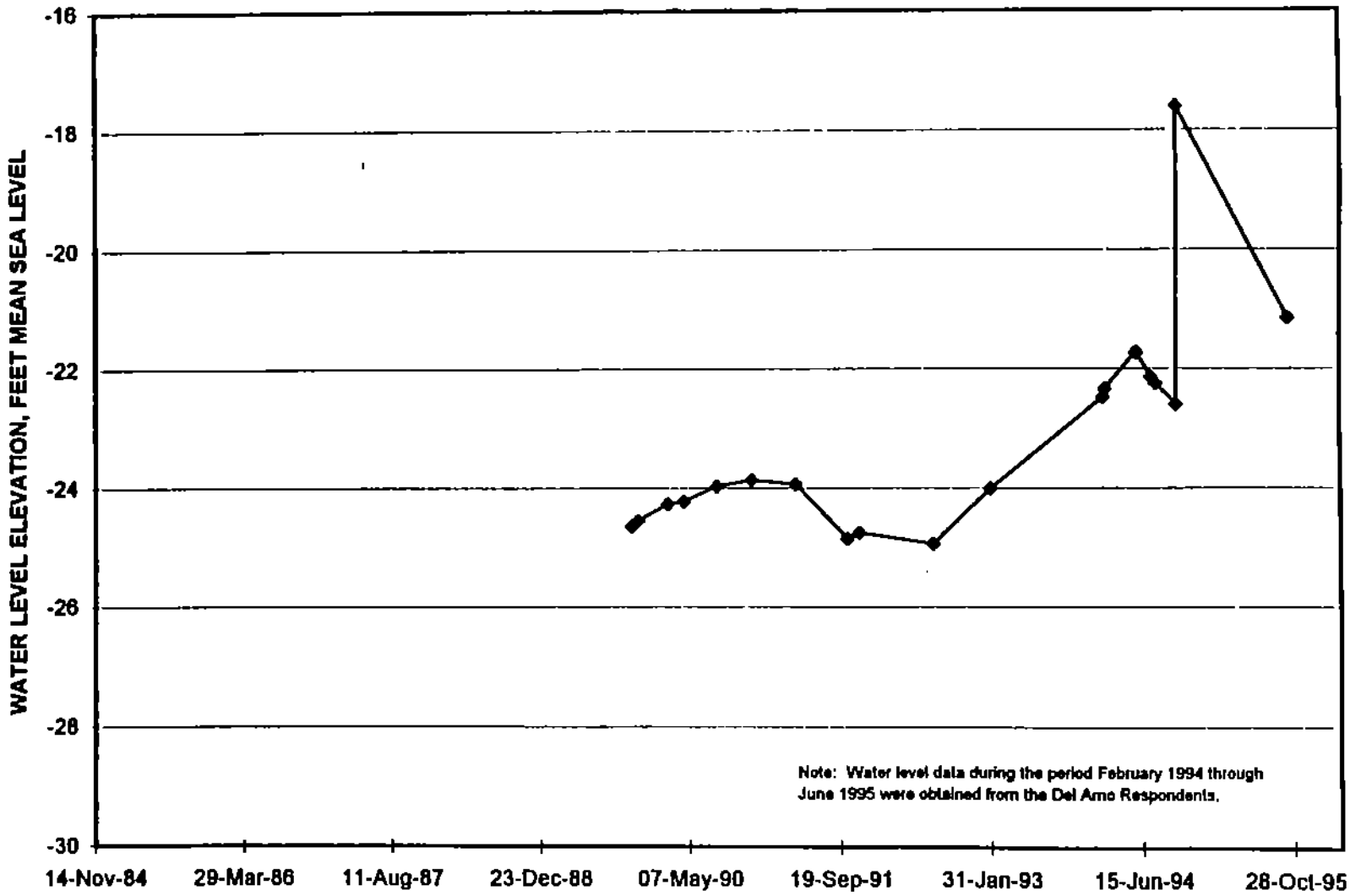

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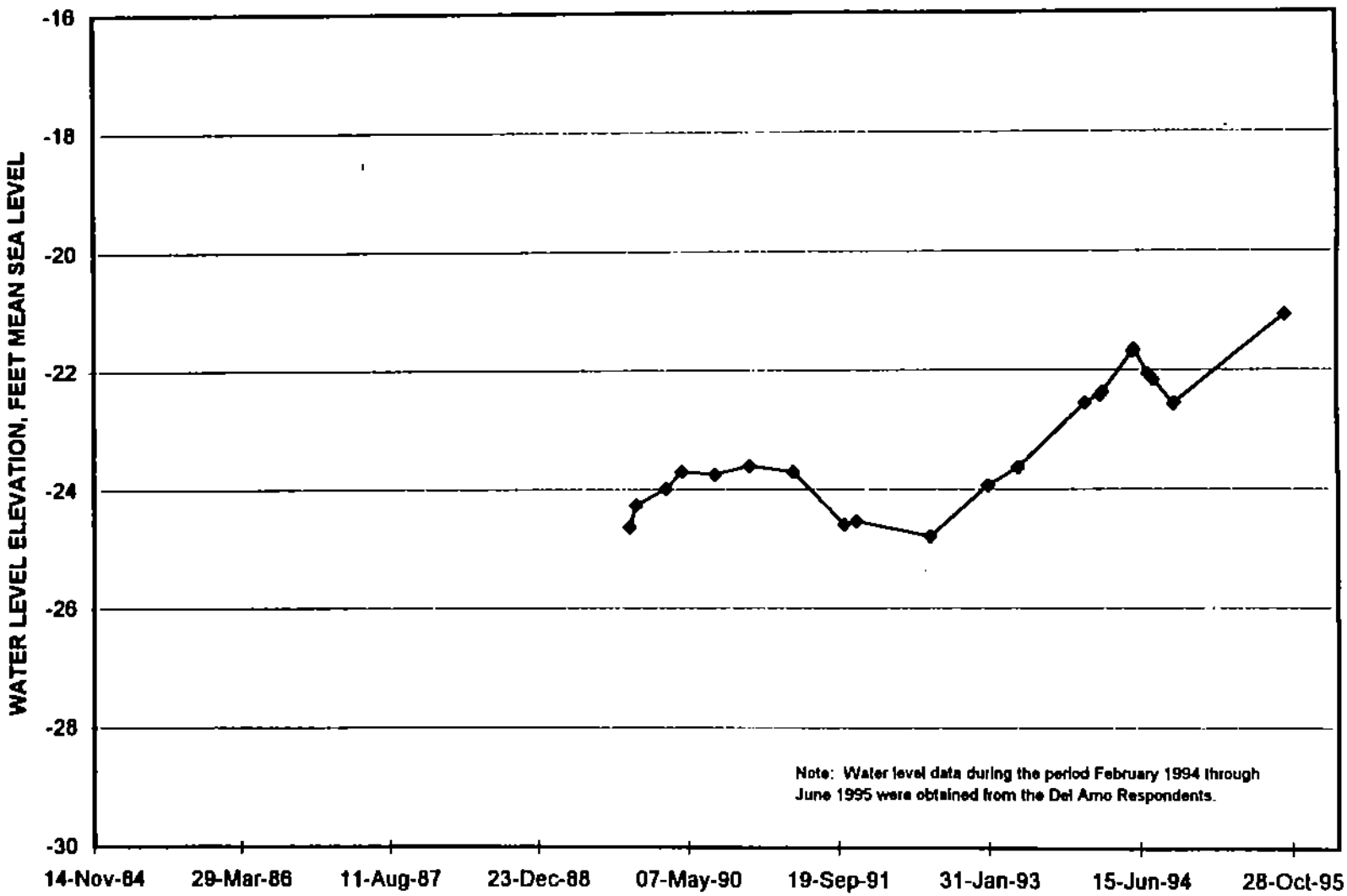

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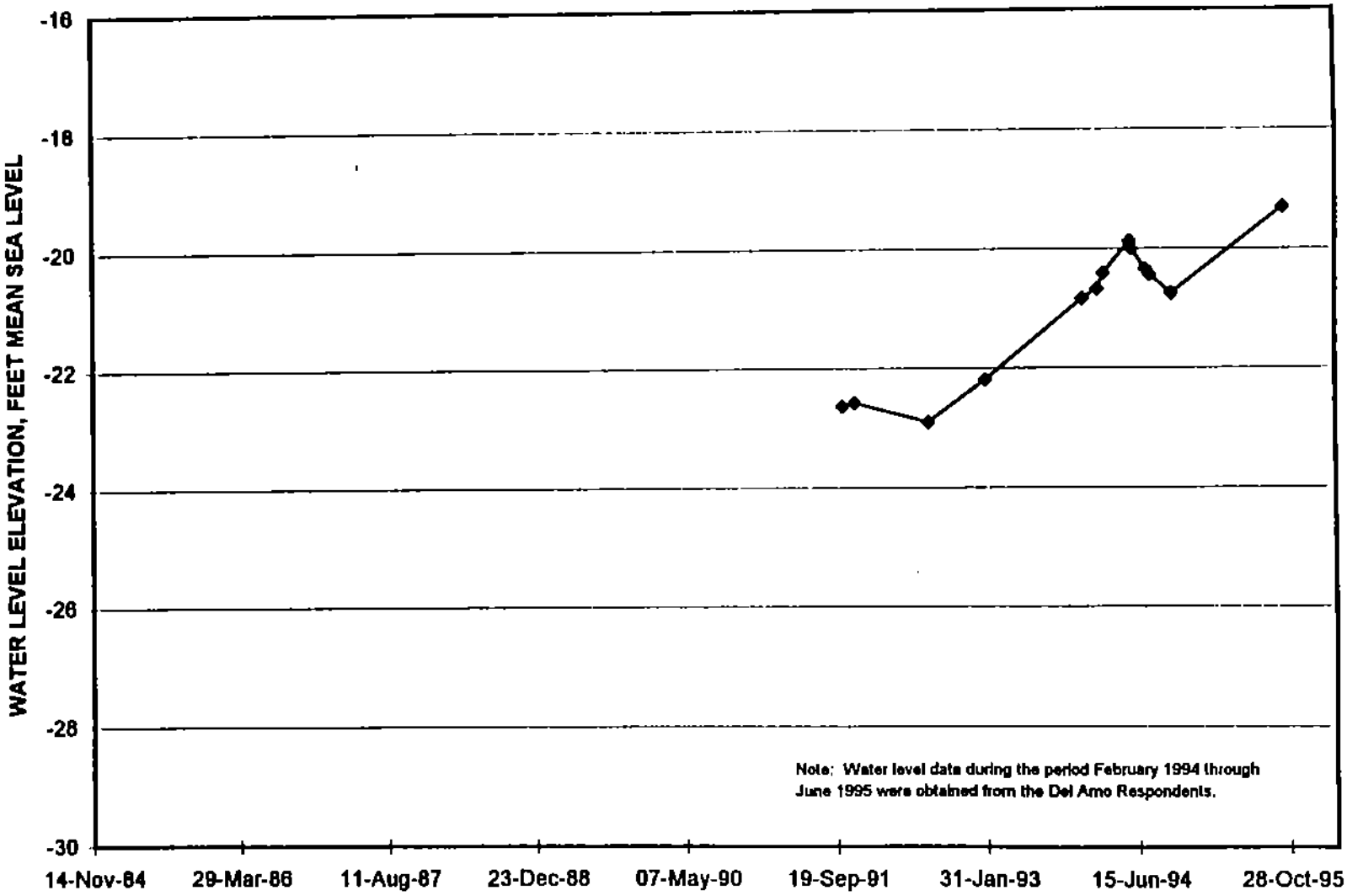

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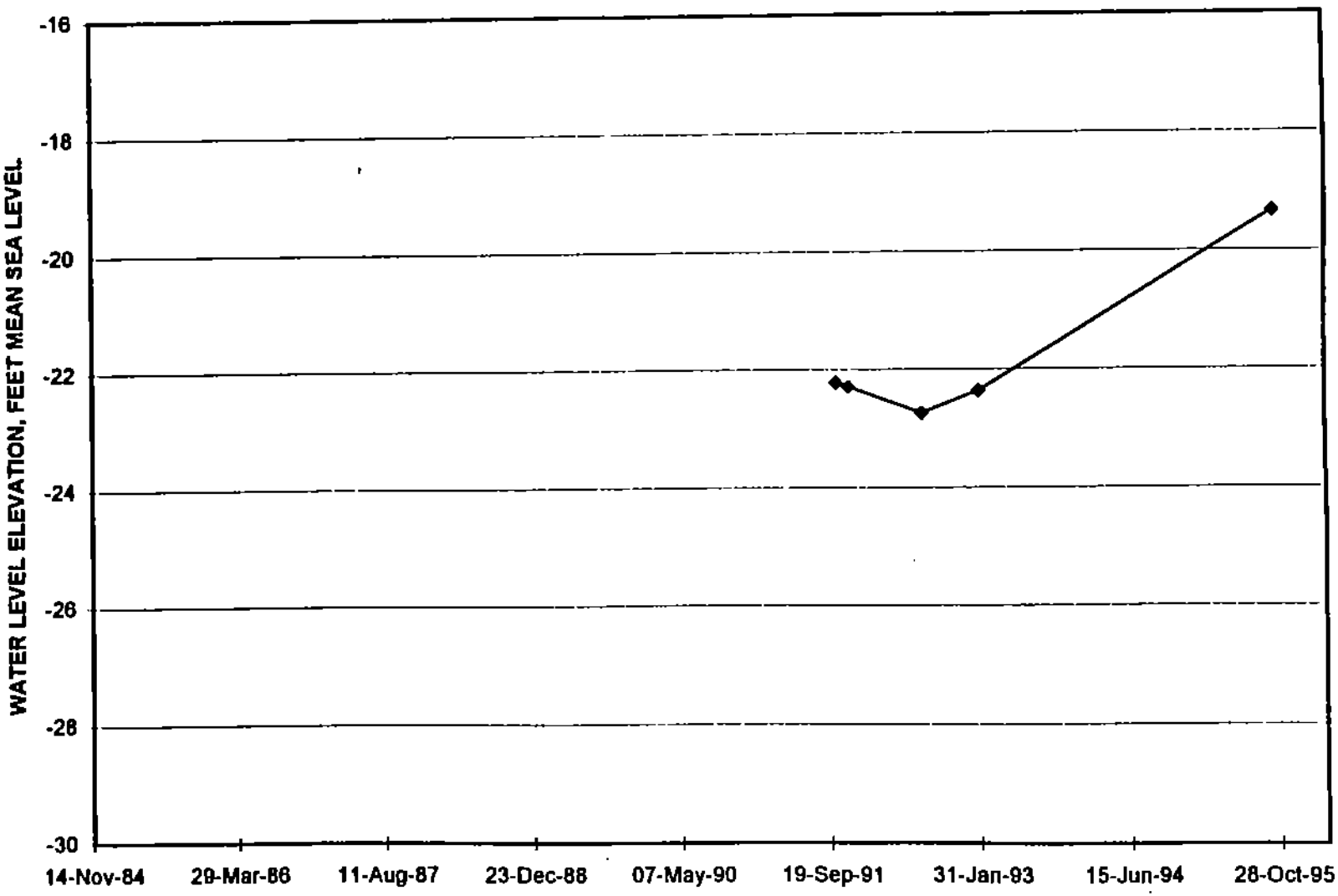

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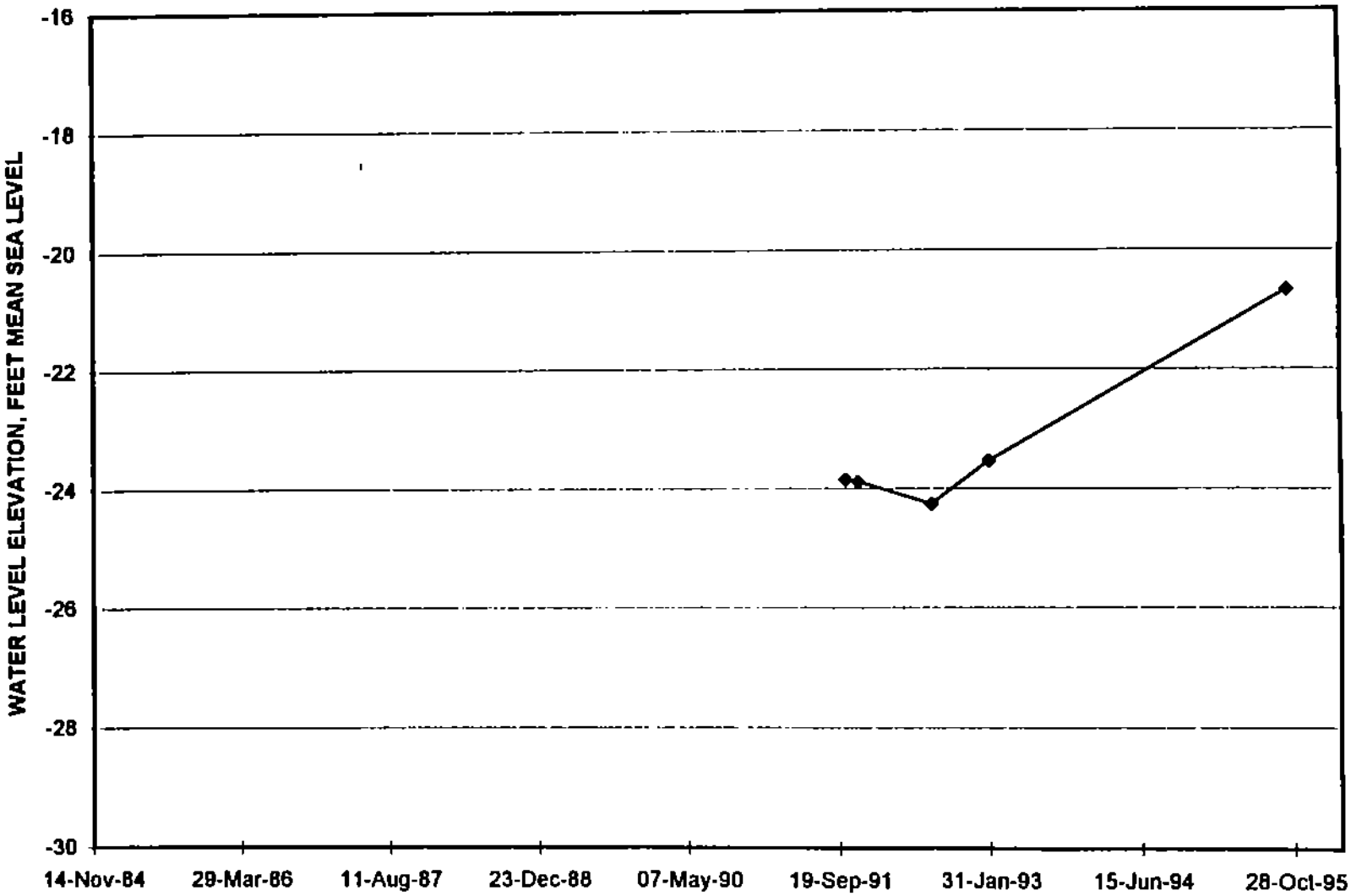

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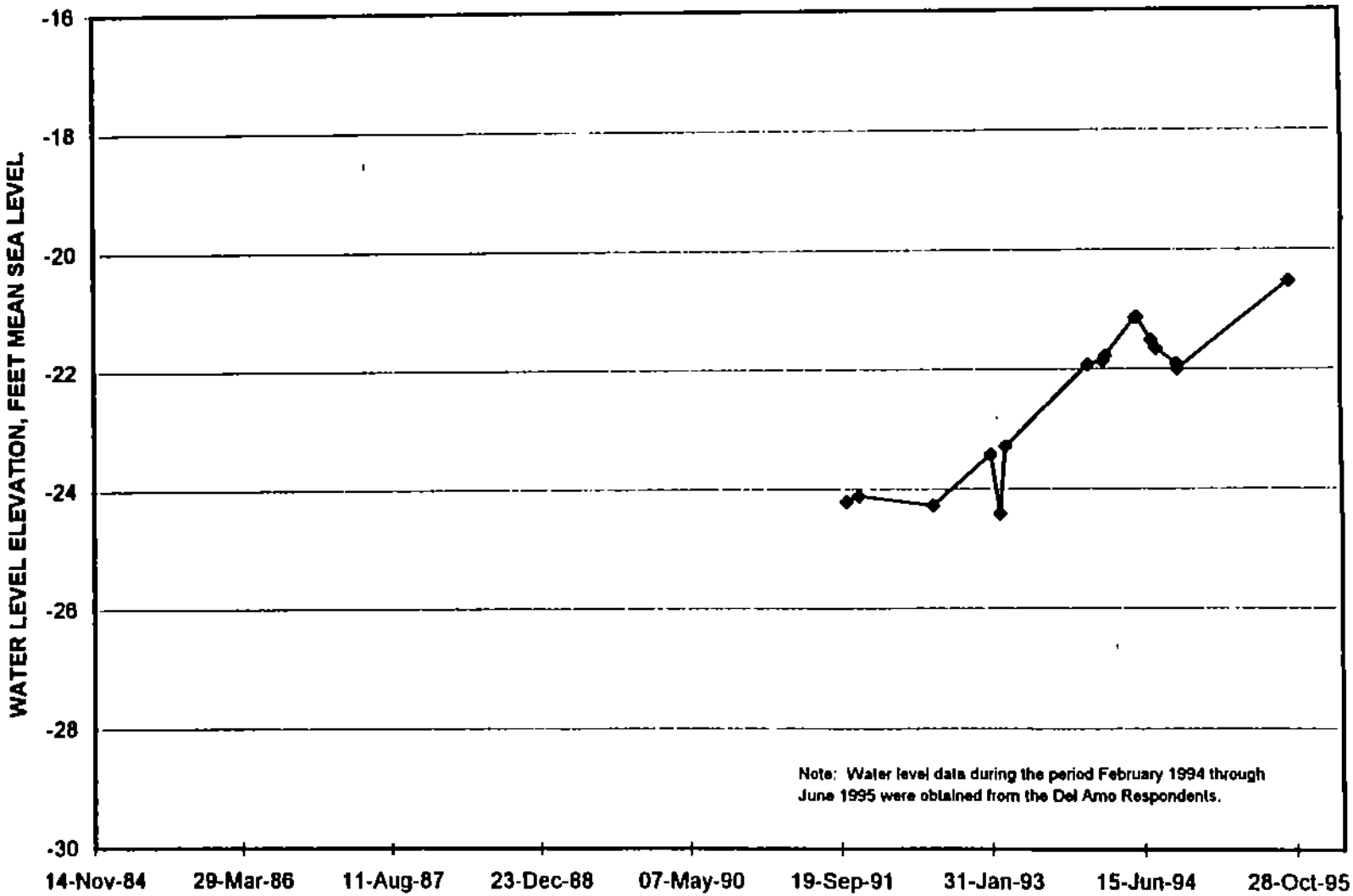

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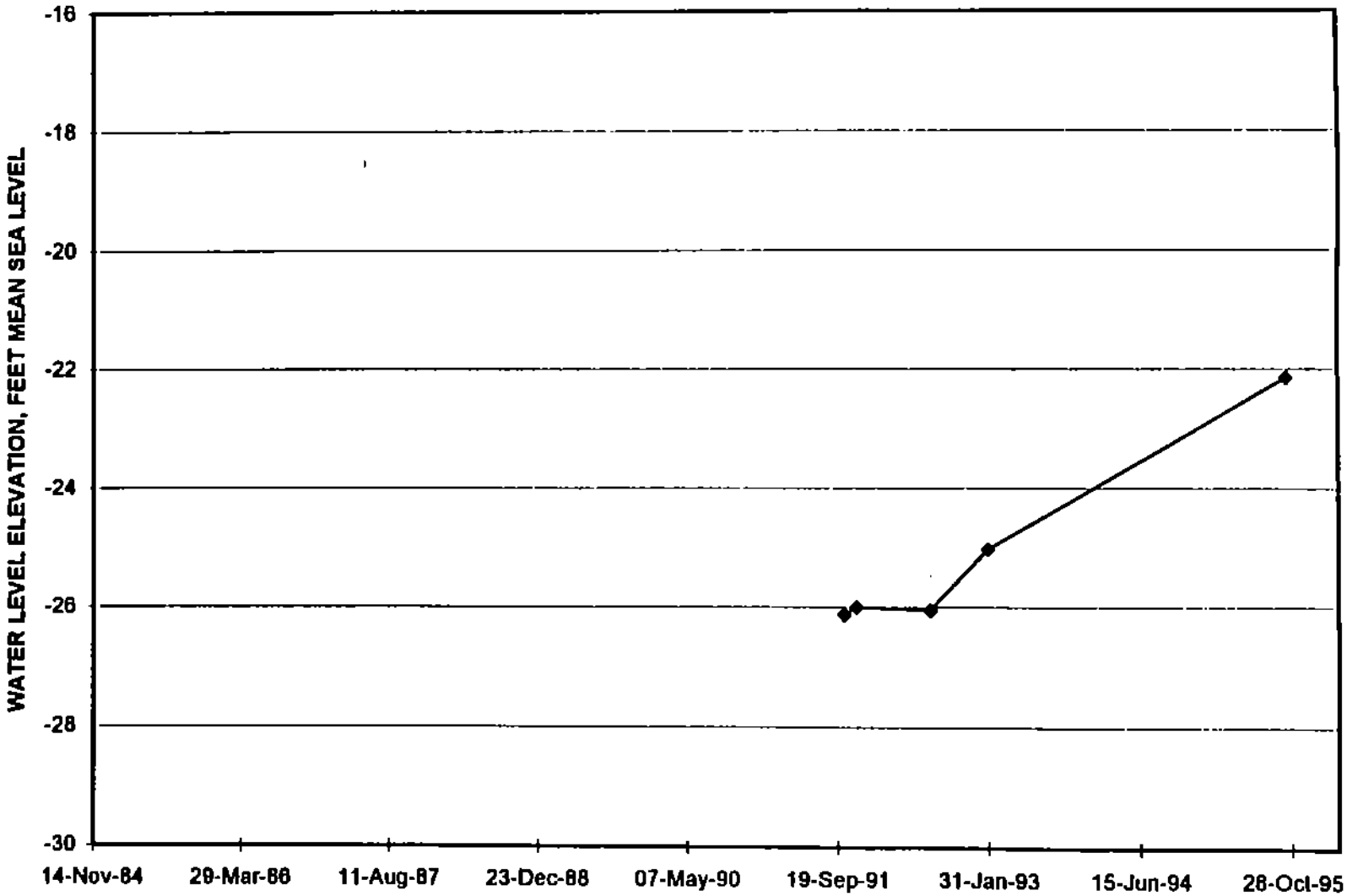

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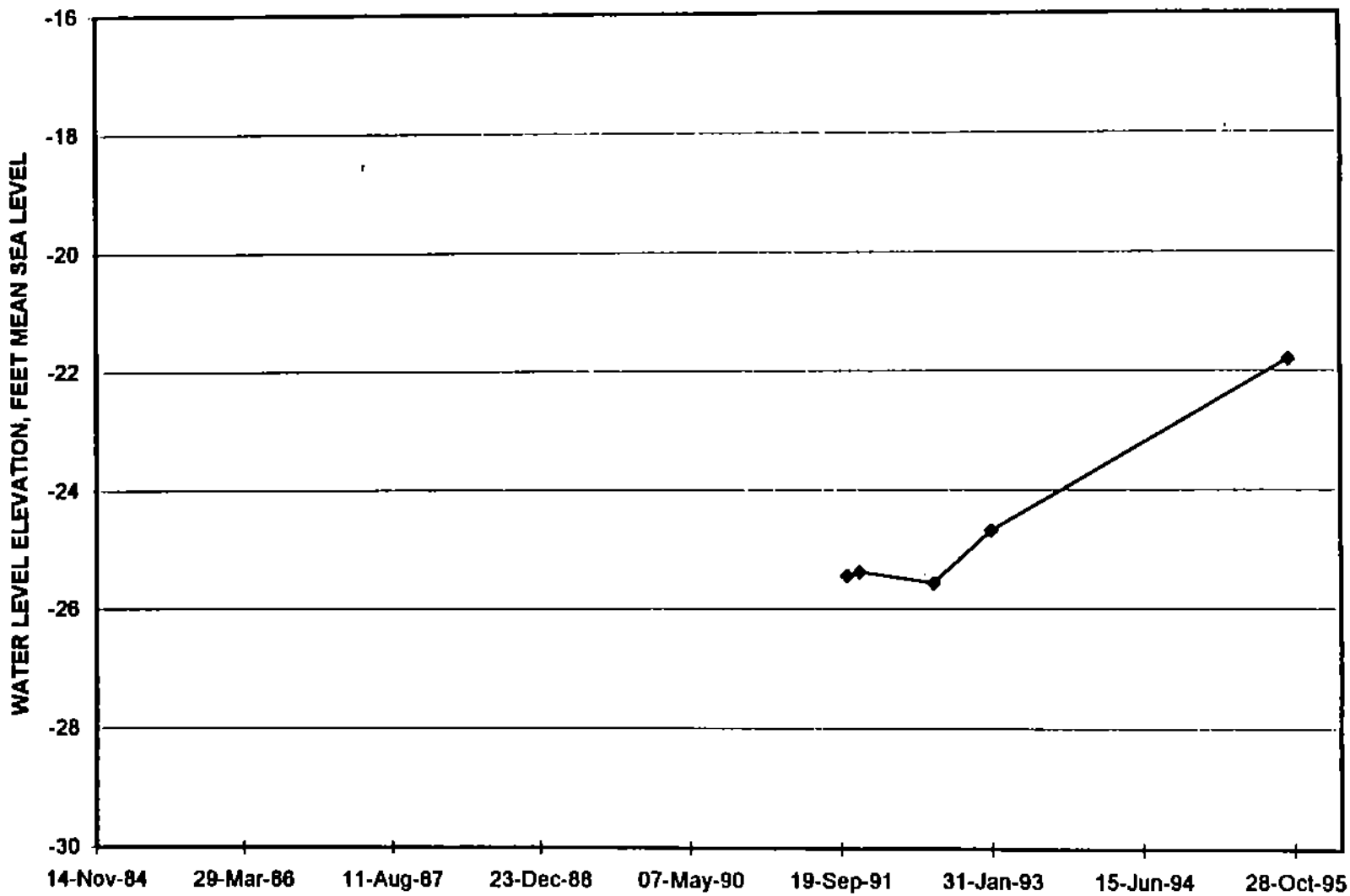

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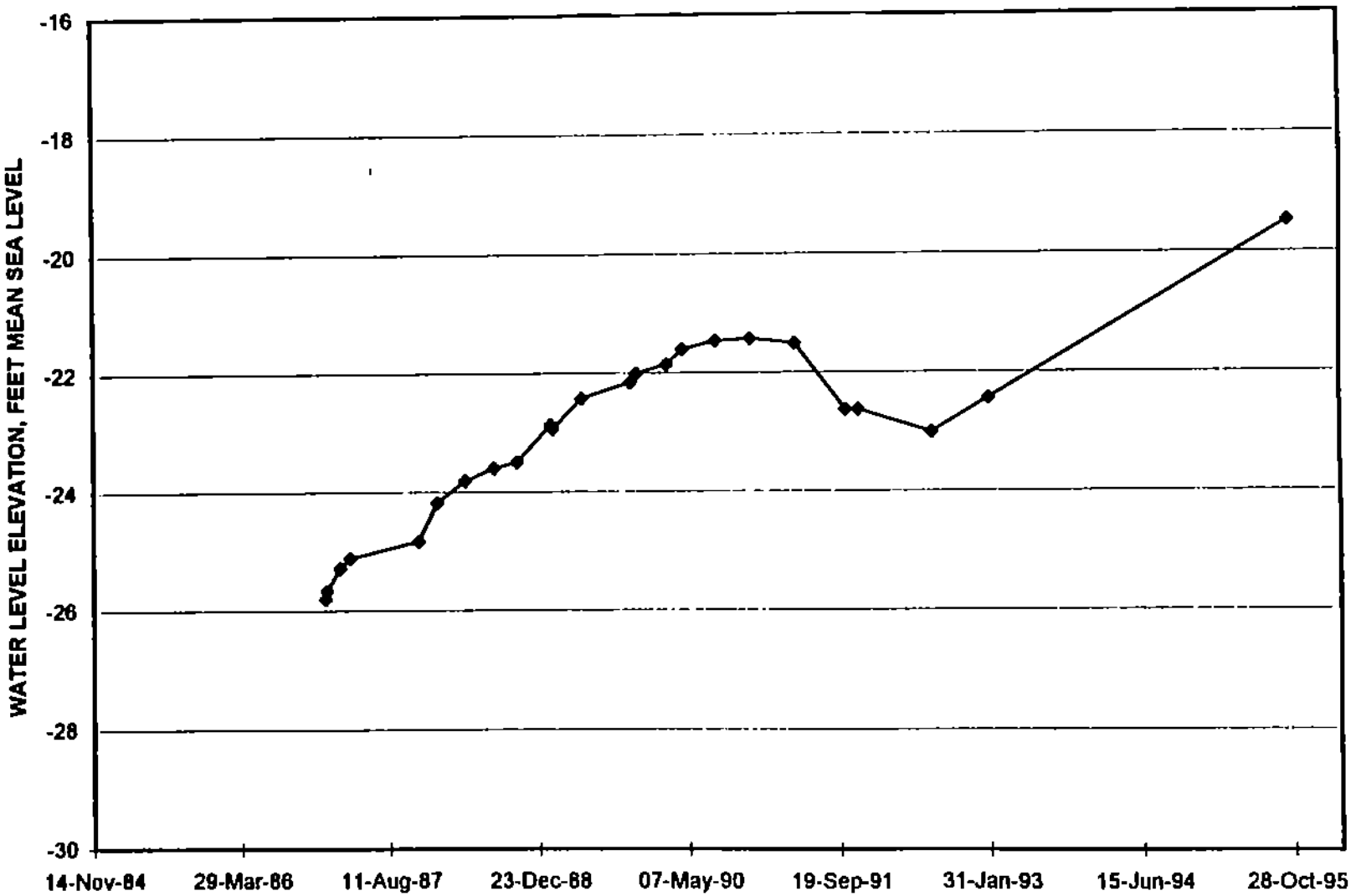

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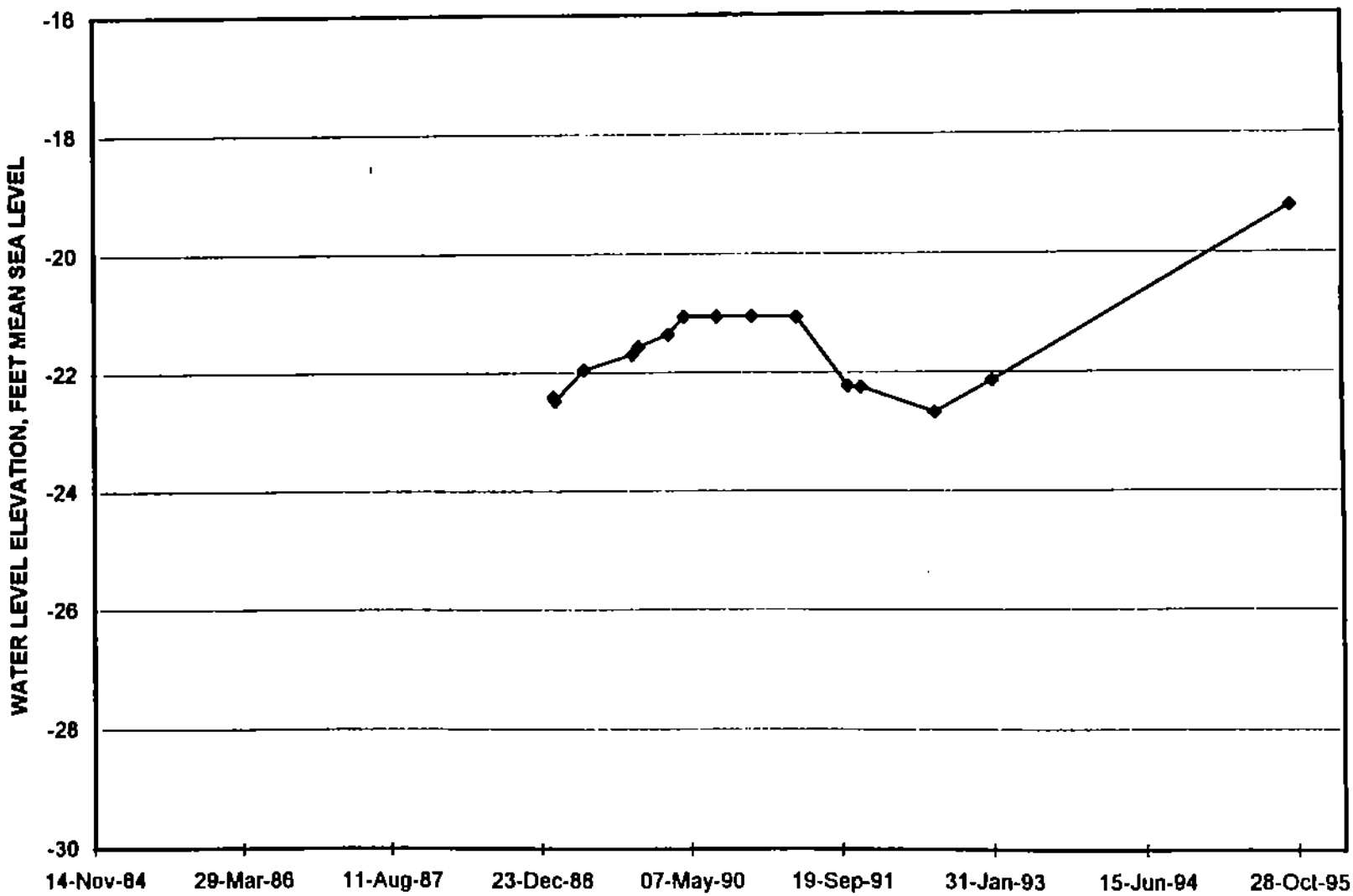

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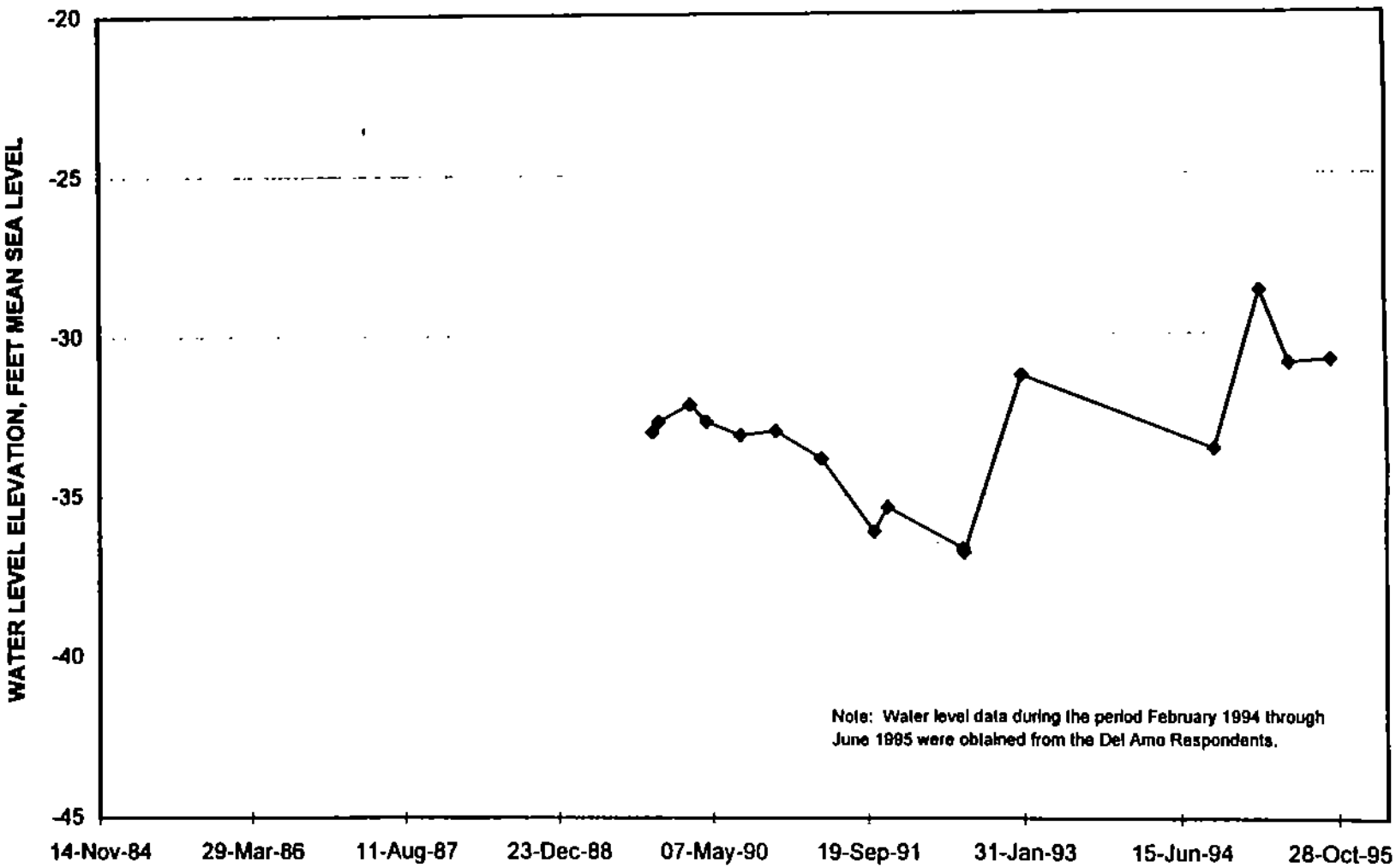

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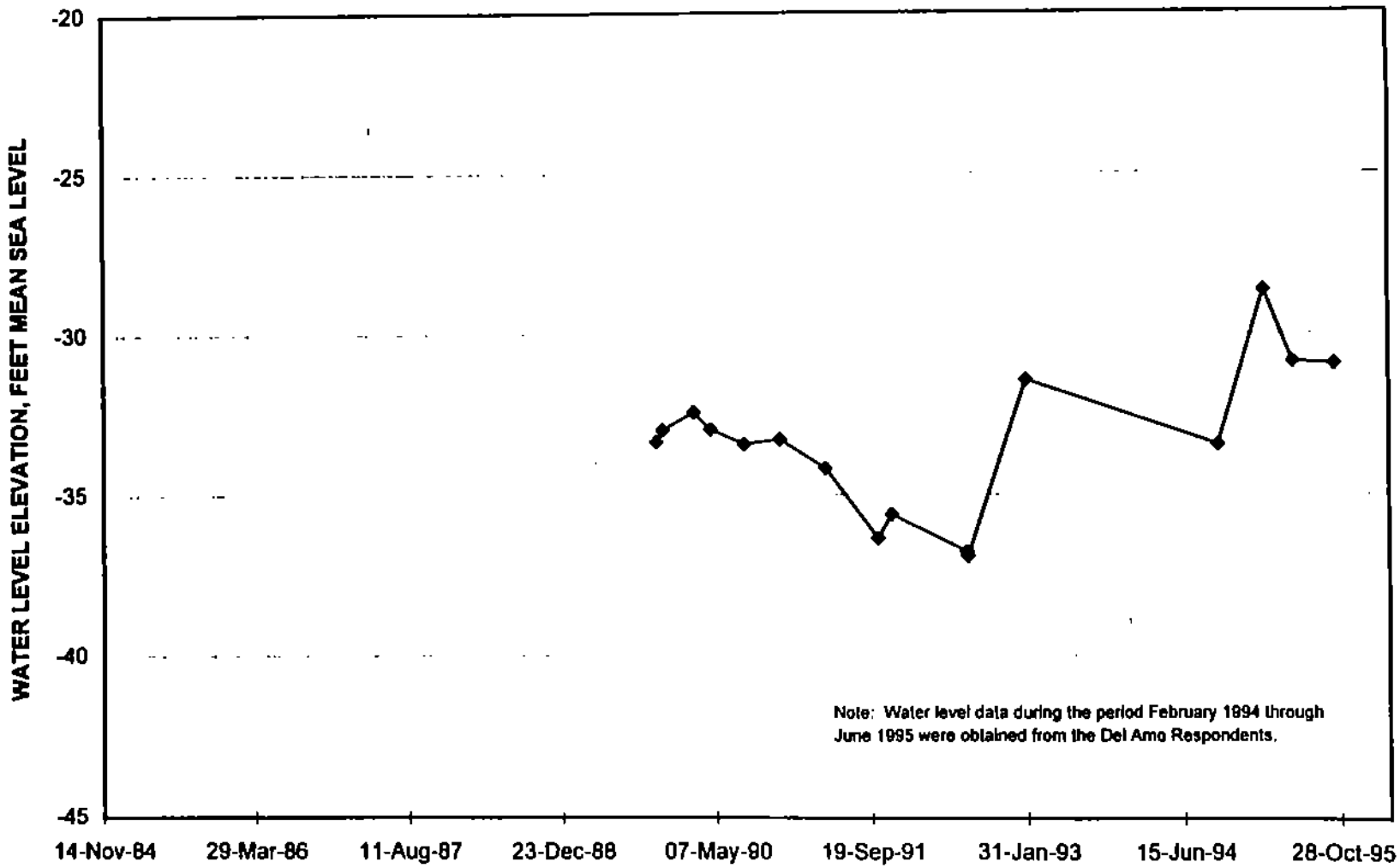

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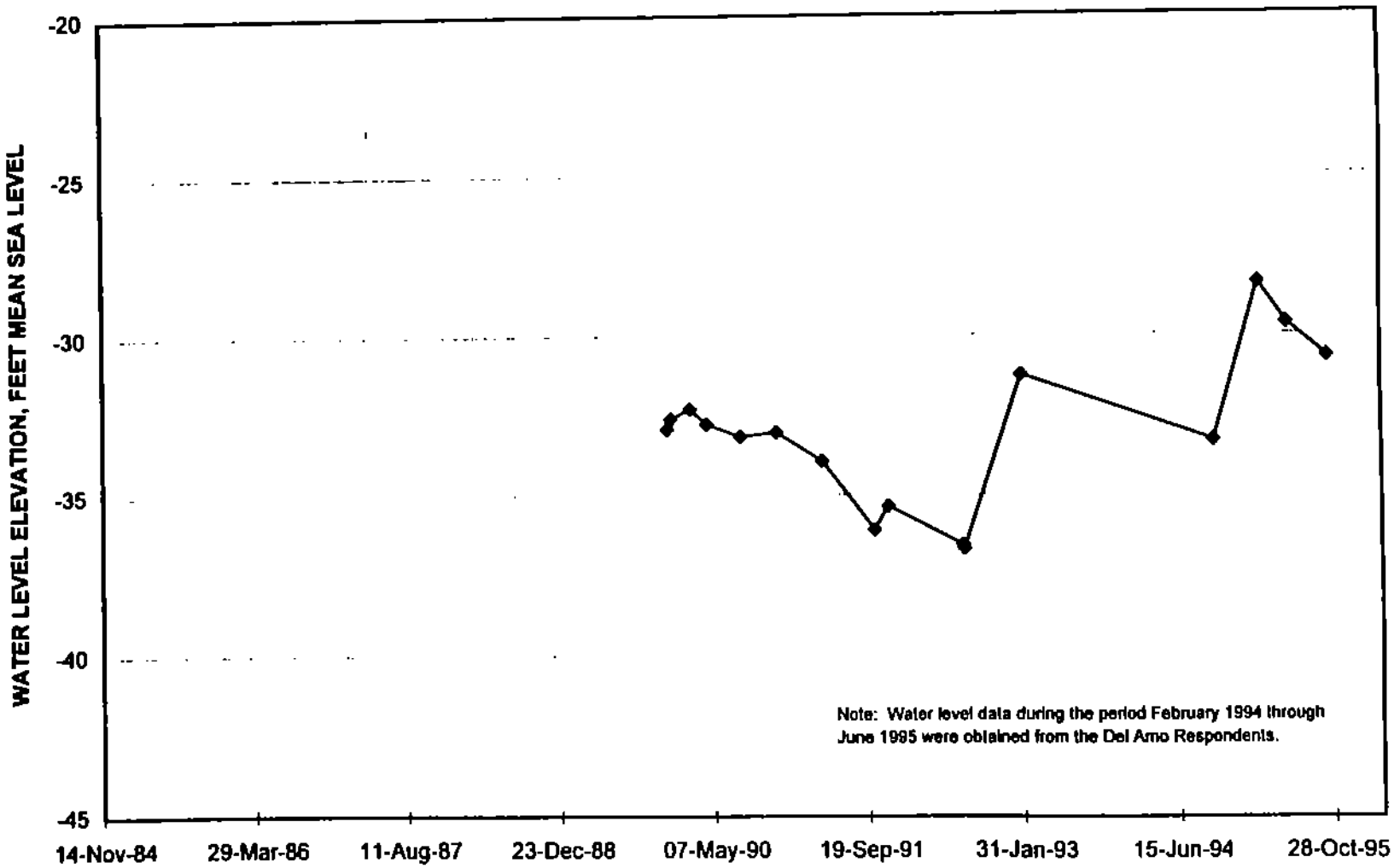

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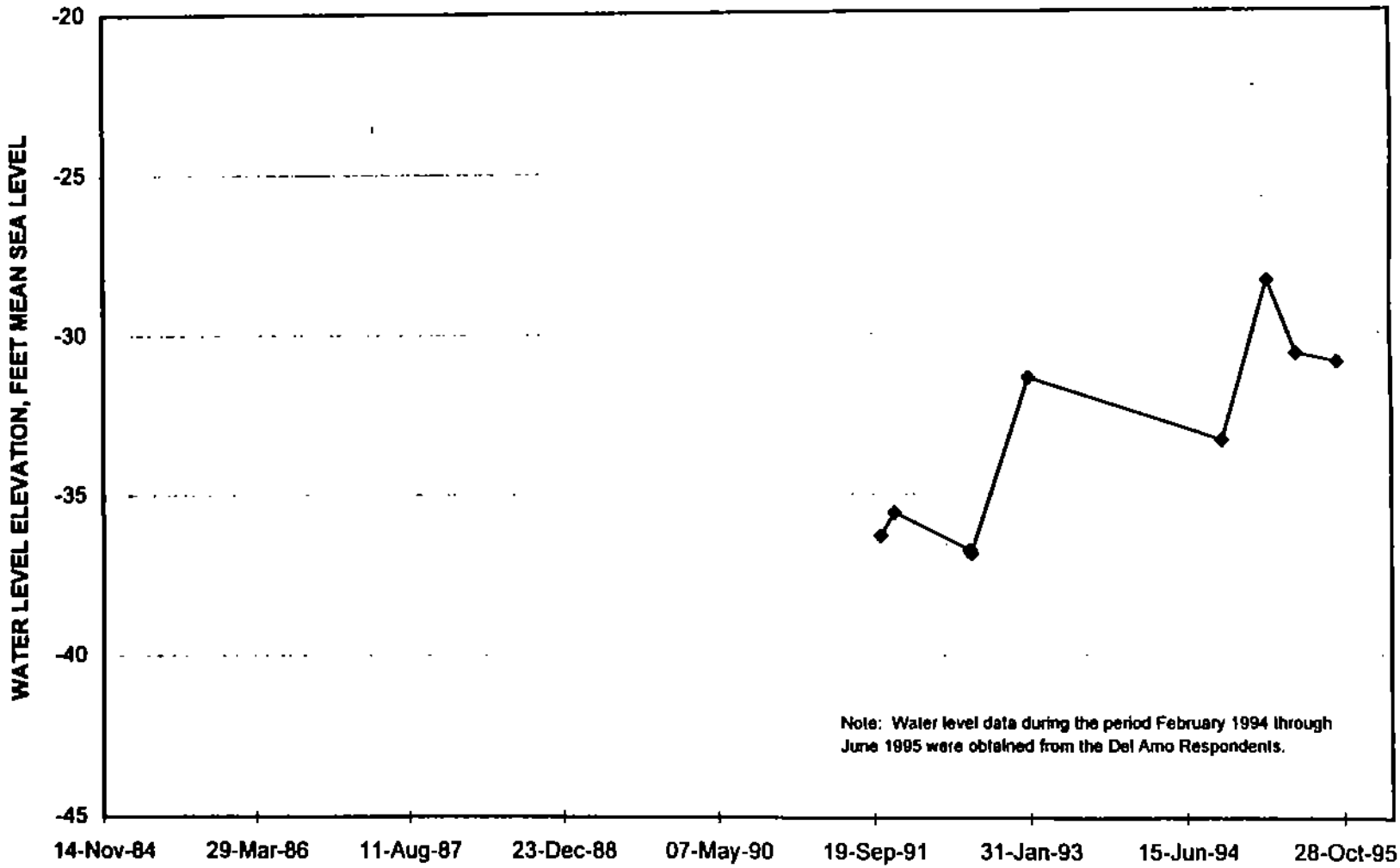

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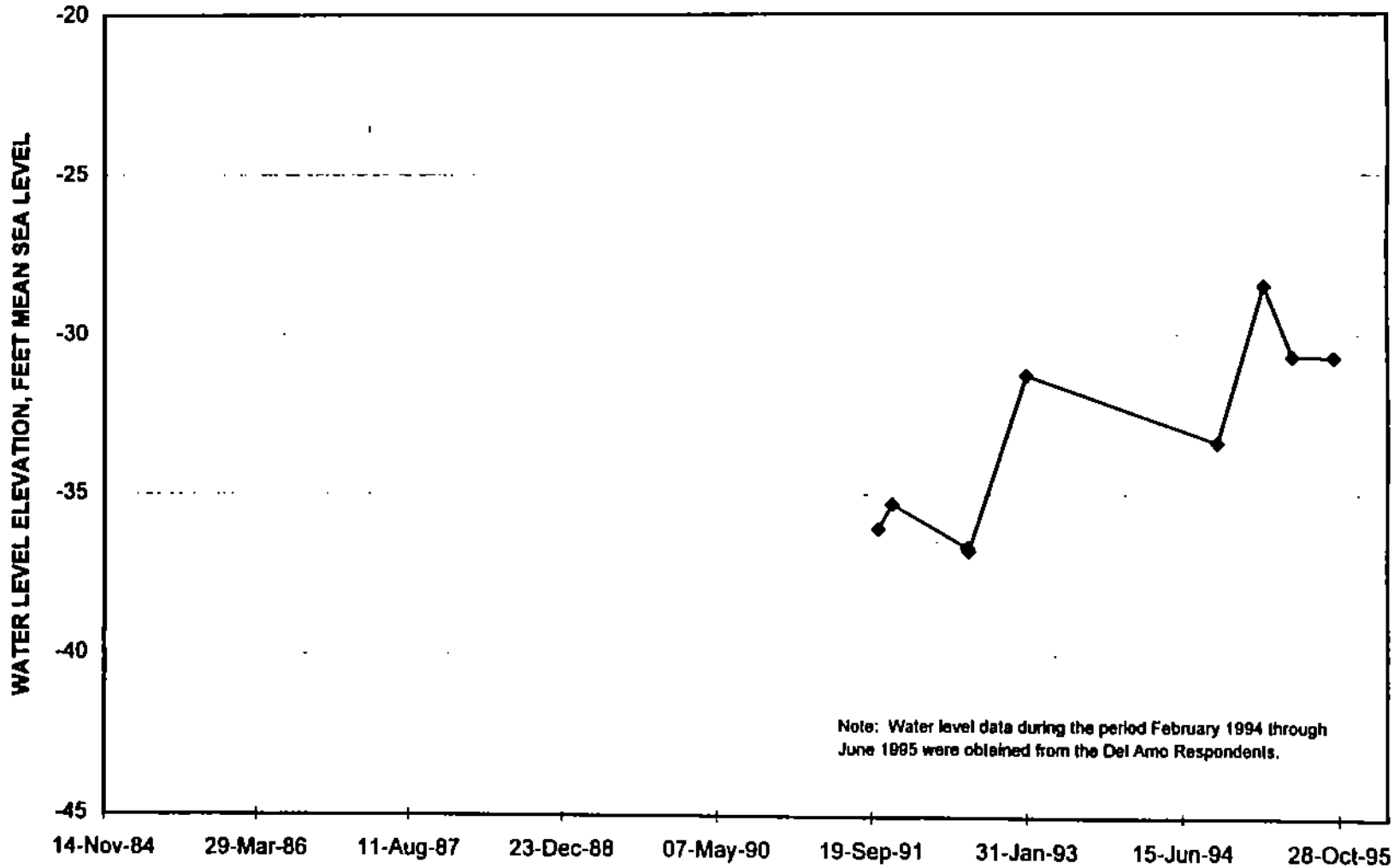

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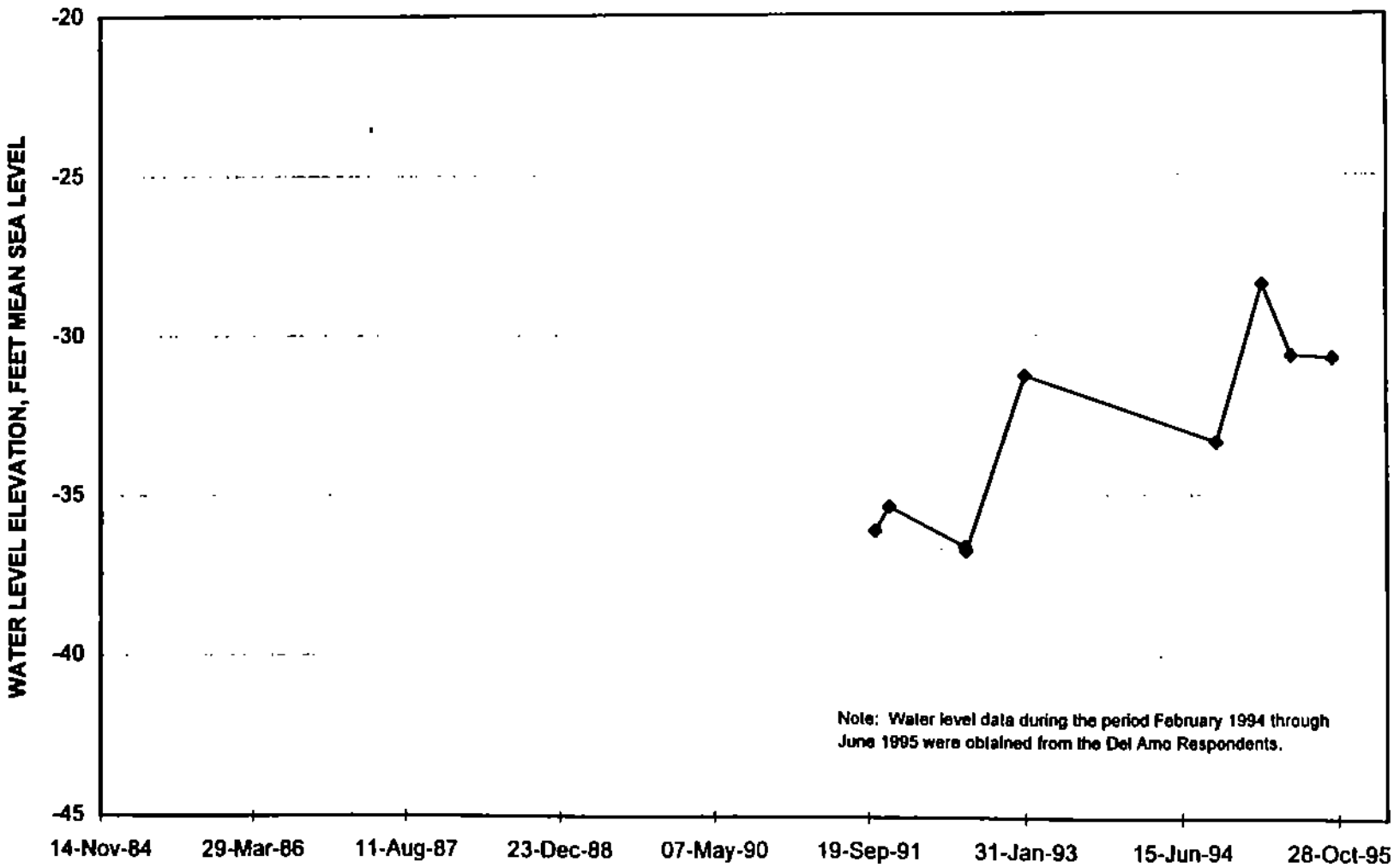

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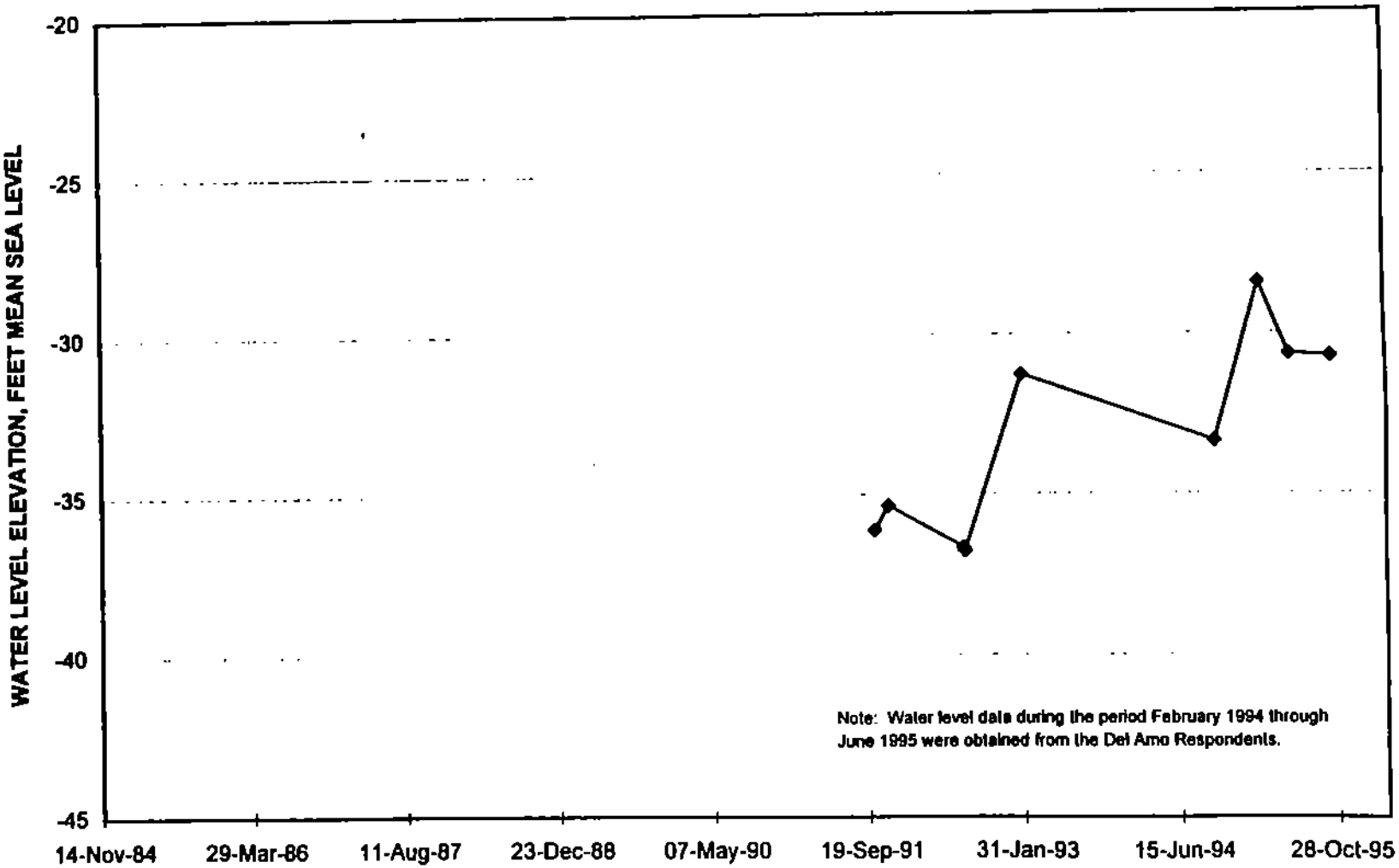

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APPENDIX G

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

APPENDIX G

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

NOTE: Water quality data obtained during the period February 1994 through June 1995 were obtained from Dames & Moore on behalf of the Del Amo respondents.

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TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/05/02 BAC/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/OEPA	MW-01 86/06/14 BAC/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-01 87/02/26 BAC/ORG	MW-01 87/03/31 BAC/ORG	MW-01 87/11/17 BAC/ORG	MW-01 88/01/19 BAC/ORG	MW-01 88/04/19 BAC/ORG	MW-01 88/07/26 BAC/ORG	MW-01 88/10/13 ATI/SPT
2,4'-DDD							<0.5	<1(J)	<1(J)	<0.1(J)	<0.1(J)	<10	<1	<0.2	<200	<20
2,4'-DDE							<0.5	<1(J)	<1(J)	<0.1(J)	<0.1(J)	<10	<1	<0.1	<100	<20
2,4'-DDT							<0.5	<1(J)	<1(J)	<0.2(J)	<0.2(J)	<20	<2	<0.1	<100	<20
4,4'-DDD	<5	<0.5[EH]	<50	<50	<0.5	<10	3	2.2(NJ)	2.7(NJ)	<0.1(J)	<0.1(J)	<10	<1	<0.2	<200	<20
4,4'-DDE	<5	<0.5[EH]	<50	<50	<0.5	<10	<0.5	<1(J)	<1(J)	<0.1(J)	<0.1(J)	<10	<1	<0.1	<100	<20
4,4'-DDT	<10	17[EH]	<50	<50	<1	17	6	2.4(NJ)	3.1(NJ)	<0.2(J)	<0.2(J)	<20	<2	<0.1	<100	<20
Aldrin	<5	4.3[EH]	<25	<25	<0.5	<5										<50
alpha-BHC	<5	220[EH]	70	72	230	66	2	39(NJ)	140(NJ)	8.3(NJB)	2.7(NJB)	52[EA]	53	56	<80	91
Alpha-Chlordane																
alpha-Endosulfan	<5	<0.5[EH]	<25	<25	<0.5	<5										<50
beta-BHC	<5	29[EH]	18	18	23	<5	<0.5	13(NJ)	2.4(NJ)	3.1(NJB)	1.6(NJB)	<10	21	17	<80	17
beta-Endosulfan	<5	<0.5[EH]	<50	<50	<0.5	<10										<100
Chloral		<0.5[EH]														
Chlordane	<30	<3[EH]	<250	<250	<3	<50										<500
delta-BHC	<5	6.6[EH]	<25	<25	5	8.4	1	16(NJ)	16(NJ)	2.5(NJB)	0.98(NJB)	<10	13	11	<80	<10
Dieldrin	<5	<0.5[EH]	<25	<50	<0.5	<10										<100
Endosulfan 1	<5	<0.5[EH]	<25	<25	<0.5	<5										<50
Endosulfan 2	<5	<0.5[EH]	<50	<50	<0.5	<10										<100
Endosulfan sulfate	<10	<1[EH]	<50	<50	<1	<10										<100
Endrin	<10	<1[EH]	<50	<50	<1	<10										<200
Endrin aldehyde	<10	<1[EH]	<50	<50	<1	<10										<100
Endrin Ketone			<50	<50		<10										
gamma-BHC	<5	33[EH]	42	42	28	54	2	53(NJ)	13(NJ)	10(NJB)	3.6(NJB)	79	72	79	130	160
Gamma-Chlordane																
Heptachlor	<5	<1[EH]	<25	<25	<0.5	<5										<50
Heptachlor epoxide	<5	<1[EH]	<25	<25	<0.5	<5										<50
Methoxychlor			<250	<250		<50										<500
PCB 1016	<10	<10[EH]	<250	<250	<10	<50										<500
PCB 1221	<10	<10[EH]	<250	<250	<10	<50										<500
PCB 1232	<10	<10[EH]	<250	<250	<10	<50										<500
PCB 1242	<10	<10[EH]	<250	<250	<10	<50										<500
PCB 1248	<10	<10[EH]	<250	<250	<10	<50										<500
PCB 1254	<10	<10[EH]	<500	<500	<10	<100										<500
PCB 1260	<10	<10[EH]	<500	<500	<10	<100										<500
PCB 1262	<10	<10[EH]			<10											
Total BHC							5	120(NJ)	170(NJ)	24(NJB)	8.9(NJB)	131	159	163	130	270
Total DDT							9	4.6(NJ)	5.8(NJ)	<0.2(J)	<0.2(J)	<20	<2	<0.2	<200	<20
Toxaphene	<10	<10[EH]	<500	<500	<10	<100										<1000

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/QEPA	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-01 89/11/17 BAC/ORG	MW-01 90/04/20 BAC/ORG	MW-01 95/11/29 BAC/ORG	MW-02 85/05/02 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZU/DSEP	MW-02 85/07/02 HZU/SEPA	MW-02 85/08/13 BAC/ORG
2,4'-DDD	<50	<20	<5(J)			<20	<2	<2	<50	<8	<8					
2,4'-DDE	<25	<10	<5(J)			<20	<2	<2	<50	<8	<8					
2,4'-DDT	<25	<10	<5(J)			<20	<2	<2	<50	<8	<8					
4,4'-DDD	<50	<20	<5(J)	<0.53	0.84(J)	<20	<2	<2	<50	<8	<4	87	360	<100000	<20000	850
4,4'-DDE	<25	<10	<5	<0.53	<0.11	<20	<2	<2	<50	<8	<4	17	45	<10000	<20000	300
4,4'-DDT	<25	19[EB]	<5	<0.53	<0.11	<20	<2	<2	<50	<8	<4	630	2400	140000	<20000	11000
Aldrin				24	18(J)	<50					<4	<5	<5	<50000	<10000	<5
alpha-BHC	49	29	67(J)	<0.27	<0.053(J)	67	68	66	40	30	53	<5	<5	<50000	<10000	<5
Alpha-Chlordane				<2.7	<0.53											
alpha-Endosulfan				<0.27	<0.053	<50					<4	<5	<5	<50000	<10000	<5
beta-BHC	69	15	<5	<0.27	<0.053(J)	12	42	43	52	20	12	<5	<5	<50000	<10000	<5
beta-Endosulfan				<0.53	<0.11(J)	<100					<4	<5	<5	<100000	<20000	<5
Chloral																
Chlordane						<500					<80	<30	<30	<500000	<100000	<30
delta-BHC	23	16	23	<0.27	<0.053(J)	18	28	29	21	10	14	<5	<5	<50000	<10000	<5
Dieldrin				<0.53	<0.11	<100					<4	<5	<5	<10000	<20000	<5
Endosulfan 1				<0.27	<0.053	<50					<4	<5	<5	<50000	<10000	<5
Endosulfan 2				<0.53	<0.11(J)	<100					<4	<5	<5	<100000	<20000	<5
Endosulfan sulfate				<0.53	<0.11	<100					<20	<10	<10	<100000	<20000	<10
Endrin				9.5	<0.11(J)	<100					<4	<10	<10	<10000	<20000	<10
Endrin aldehyde						<100					<4	<10	<10	<100000	<20000	<10
Endrin Ketone				<0.53	<0.11									<100000	<20000	
gamma-BHC	94	62	200(J)	<0.27	<0.053	100	150[EP]	160[EP]	86	60	84	<5	<5	<50000	<10000	<5
Gamma-Chlordane				<2.7	<0.53											
Heptachlor				<0.27	<0.053	<50					<2	<5	<5	<50000	<10000	<5
Heptachlor epoxide				<0.27	<0.053(J)	<50					<4	<5	<5	<50000	<10000	<5
Methoxychlor				<2.7	<0.53	<500					<6			<500000	<100000	
PCB 1016				<2.7	<0.53	<500					<200	<10	<100	<500000	<100000	<100
PCB 1221				<2.7	<0.53	<500					<200	<10	<100	<500000	<100000	<100
PCB 1232				<2.7	<0.53	<500					<200	<10	<100	<500000	<100000	<100
PCB 1242				<2.7	<0.53	<500					<200	<10	<100	<500000	<100000	<100
PCB 1248				<2.7	<0.53	<500					<200	<10	<100	<500000	<100000	<100
PCB 1254				<5.3	<1.1	<500					<200	<10	<100	<1000000	<200000	<100
PCB 1260				<5.3	<1.1	<500					<200	<10	<100	<1000000	<200000	<100
PCB 1262												<10	<100			<100
Total BHC	240	120	290			200	290	300	200	120						
Total DDT	<50	19[EB]	<5			<20	<2	<2	<50	<8						
Toxaphene				<5.3	<1.1	<1000					<200	<10	<100	<1000000	<200000	<100

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/08/13 CAL/OEPA	MW-02 86/08/14 BAC/ORG	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-02 87/02/26 BAC/FD	MW-02 87/02/26 BAC/LD	MW-02 87/02/26 BAC/ORG	MW-02 87/04/02 BAC/ORG	MW-02 87/11/17 BAC/ORG	MW-02 88/01/21 BAC/ORG	MW-02 88/04/22 BAC/ORG	MW-03 85/04/27 BAC/ORG	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-03 86/08/13 BAC/ORG	MW-03 87/01/09 BAC/ORG
2,4'-DDD		40	2(NJ)	<1(J)	<0.1(R)	<0.01(R)	<0.1(R)	<0.1(R)	<100	<100	<200				<0.5	<0.1(J)
2,4'-DDE		1	<1(J)	<1(J)	<0.1(R)	<0.01(R)	<0.1(R)	<0.1(R)	<100	<100	<100				<0.5	<0.1(J)
2,4'-DDT		150	3(NJ)	<2(J)	<0.2(R)	<0.02(R)	<0.2(R)	<0.2(R)	<200	<200	<100				<0.5	<0.2(J)
4,4'-DDD	410	97	3(NJ)	5.6(NJB)	5.4(R)	8.9(R)	3.3(R)	15(R)	<100	6500	<200	<0.1	1.1	0.38	3	1.6(NJB)
4,4'-DDE	65(J)	30	11(NJ)	<1(J)	<0.1(R)	1(R)	0.31(R)	0.54(R)	<100	<100	<100	<0.1	<0.5	<0.1	<0.5	0.2(NJB)
4,4'-DDT	4500	160	11(NJ)	7.3(NJB)	9.2(R)	19(R)	5.2(R)[EP]	17(R)	3500	11000	600	<0.4	4.6	3	5	2.4(NJB)
Aldrin	<50											<0.5	<0.5	<0.05		
alpha-BHC	180	<0.5	260(NJ)	330(NJB)					<50	<50	<80	<0.5	<0.5	0.04(J)	<0.5	<0.05(J)
Alpha-Chlordane																
alpha-Endosulfan	<50											<0.5	<0.5	<0.05		
beta-BHC	<50	<0.5	<1(J)	<1(J)	5(R)	0.75(R)	0.69(R)	0.76(R)	<100	<50	<80	<0.5	<0.5	<0.05	<0.5	<0.1(J)
beta-Endosulfan	<100											<0.5	<0.5	<0.1		
Chloral													<100			
Chlordane	<500											<3	<3	<0.5		
delta-BHC	<50	<0.5	<1(J)	3.2(NJB)	3.6(R)	3.3(R)	3.3(R)	5.8(R)	<100	<100	<80	<0.5	<0.5	<0.05	<0.5	<0.1(J)
Dieldrin	<100											<0.5	<0.5	<0.1		
Endosulfan 1	<50											<0.5	<0.5	<0.05		
Endosulfan 2	<100											<0.5	<0.5	<0.1		
Endosulfan sulfate	<100											<1	<1	<0.1		
Endrin	<100											<1	<1	<0.1		
Endrin aldehyde	<100											<1	<1	<0.1		
Endrin Ketone	<100													<0.1		
gamma-BHC	<50	<0.5	1.5(NJ)	<1(J)	5.7(R)	1.2(R)	1.1(R)	1.2(R)[EP]	<100	<100	<80	<0.5	<0.5	<0.05	<0.5	<0.1(J)
Gamma-Chlordane																
Heptachlor	<50											<0.5	<0.5	<0.05		
Heptachlor epoxide	<50											<0.5	<0.5	<0.05		
Methoxychlor	<500											<10	<10	<0.5		
PCB 1016	<500											<10	<10	<0.5		
PCB 1221	<500											<10	<10	<0.5		
PCB 1232	<500											<10	<10	<0.5		
PCB 1242	<500											<10	<10	<0.5		
PCB 1248	<500											<10	<10	<0.5		
PCB 1254	<1000											<10	<10	<1		
PCB 1260	<1000											<10	<10	<1		
PCB 1262																
Total BHC		<0.5	260(NJ)	330(NJB)	14(R)	5.3(R)	5.1(R)	7.8(R)	<100	<100	<80	<0.5	<0.5		<0.5	<0.1(J)
Total DDT		480	30(NJ)	13(NJB)	15(R)	<0.02(R)	8.8(R)[EP]	33(R)[EP]	3500	19500	600	<0.4	5.7		8	4.2(NJB)
Toxaphene	<1000											<10	<10	<1		

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 87/01/14 BAC/ORG	MW-03 87/02/26 BAC/ORG	MW-03 87/04/01 BAC/ORG	MW-03 87/11/18 BAC/FD	MW-03 87/11/18 BAC/LD	MW-03 87/11/18 BAC/ORG	MW-03 88/01/20 BAC/ORG	MW-03 88/04/21 BAC/ORG	MW-03 88/07/27 BAC/ORG	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 89/02/08 BAC/ORG	MW-03 89/05/19 BAC/ORG	MW-03 89/10/28 BAC/ORG	MW-03 90/04/20 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	0.027	<0.2	<0.2	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDE	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.02	<0.2	<0.1	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDT	<0.02(J)	<0.02(J)	<0.02(J)	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.02	<0.1	<0.1	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDD	0.37(NJB)	<0.01(J)	0.13(NJ)	0.34	0.33	0.28	0.29	0.29	<0.2	0.13	<0.2	<0.2	<0.05(J)	0.13	0.07	<0.04
4,4'-DDE	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.02	<0.1	<0.1	<0.05	<0.02	<0.04	<0.04
4,4'-DDT	0.22(NJB)	<0.02(J)	<0.02(J)	0.12	<0.02	<0.02	<0.02	<0.1	<0.1	0.048	<0.1	<0.1	<0.05	0.07	<0.04	<0.04
Aldrin										<0.05						
alpha-BHC	<0.005(J)	<0.005(J)	<0.005(J)	<0.005	<0.005	<0.005	<0.005	<0.08	<0.08	<0.01	<0.08	<0.08	<0.05(J)	<0.02	<0.04	<0.04
Alpha-Chlordane																
alpha-Endosulfan										<0.05						
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.08	<0.08	<0.01	<0.08	<0.08	<0.05	<0.02	<0.04	<0.04
beta-Endosulfan										<0.1						
Chloral																
Chlordane										<0.5						
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	0.043	<0.01	<0.01	<0.01	<0.08	<0.08	<0.01	<0.08	<0.08	<0.05	<0.02	<0.04	<0.04
Dieldrin										<0.1						
Endosulfan 1										<0.05						
Endosulfan 2										<0.1						
Endosulfan sulfate										<0.1						
Endrin										<0.2						
Endrin aldehyde										<0.1						
Endrin Ketone																
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.08	<0.08	<0.01	<0.08	<0.08	<0.05	<0.02	<0.04	<0.04
Gamma-Chlordane																
Heptachlor										<0.05						
Heptachlor epoxide										<0.05						
Methoxychlor										<0.5						
PCB 1016										<0.5						
PCB 1221										<0.5						
PCB 1232										<0.5						
PCB 1242										<0.5						
PCB 1248										<0.5						
PCB 1254										<0.5						
PCB 1260										<0.5						
PCB 1262																
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	0.043	<0.01	<0.01	<0.01	<0.08	<0.08	<0.01	<0.08	<0.08	<0.05	<0.02	<0.04	<0.04
Total DDT	0.59(NJB)	<0.02(J)	0.13(NJ)	0.46	0.33	0.28	0.29	0.29	<0.2	0.21	<0.2	<0.2	<0.05	0.2	0.07	<0.04
Toxaphene										<1						

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 90/11/28 BAC/ORG	MW-03 91/04/23 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/05/02 BAC/FD	MW-04 85/05/02 BAC/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-04 86/08/13 BAC/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-04 87/02/26 BAC/ORG	MW-04 87/04/01 BAC/ORG
2,4'-DDD	<0.04	<0.04	<0.05	<0.02	<0.02							<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.04	<0.04		<0.02	<0.02							<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.04	<0.04	<0.05	<0.02	<0.02							<0.5	<0.1(J)	<0.02(J)	<0.02(J)	<0.02(J)
4,4'-DDD	0.1	0.06	0.13	0.098	0.1	<5	<5	<5	<0.12	3.6	0.15(J)	1	0.35(NJB)	0.12(NJB)	<0.01(J)	<0.01(J)
4,4'-DDE	<0.04	<0.04	<0.05	<0.02	<0.02	<5	<5	<5	<0.12	<0.5	<0.1	<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
4,4'-DDT	<0.04	<0.04	<0.05	<0.02	<0.02	<10	<10	36	<0.12	<0.5	1.1	3	0.65(NJB)	0.17(NJB)	<0.02(J)	<0.02(J)
Aldrin			<0.05	<0.05	<0.05	<5	<5	<5	<0.06	<0.5	<0.5					
alpha-BHC	<0.04	<0.04	<0.05	<0.01	<0.01	<5	<5	<5	<0.06	<0.5	<0.5	<0.5	<0.05(J)	1.6(NJB)	<0.005(J)	<0.005(J)
Alpha-Chlordane																
alpha-Endosulfan			<0.05	<0.05	<0.05	<5	<5	<5	<0.06	<0.5	<0.05					
beta-BHC	<0.04	<0.04	<0.05	<0.01	<0.01	<5	<5	<5	<0.06	<0.5	<0.5	<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan			<0.05	<0.1	<0.1	<5	<5	<5	<0.12	<0.5	<0.1					
Chloral																
Chlordane			<0.05	<0.5	<0.5	<30	<30	<30	<0.58	<3	<0.5					
delta-BHC	<0.04	<0.04	<0.05	<0.01	<0.01	<5	<5	<5	<0.06	<0.5	<0.5	<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin			<0.05	<0.1	<0.1	<5	<5	<5	<0.12	<0.5	<0.1					
Endosulfan 1			<0.05	<0.05	<0.05	<5	<5	<5	<0.06	<0.5	<0.05					
Endosulfan 2			<0.05	<0.1	<0.1	<5	<5	<5	<0.12	<0.5	<0.1					
Endosulfan sulfate			<0.05	<0.1	<0.1	<10	<10	<10	<0.12	<1	<0.1					
Endrin			<0.05	<0.1	<0.1	<10	<10	<10	<0.12	<1	<0.1					
Endrin aldehyde			<0.05			<10	<10	<10	<0.12	<1	<0.1					
Endrin Ketone			<0.05	<0.1	<0.1				<0.12		<0.1					
gamma-BHC	<0.04	<0.04	<0.05	<0.01	<0.01	<5	<5	<5	<0.06	<0.5	<0.5	<0.5	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)
Gamma-Chlordane																
Heptachlor			<0.05	<0.05	<0.05	<5	<5	<5	<0.06	<0.5	<0.5					
Heptachlor epoxide			<0.05	<0.05	<0.05	<5	<5	<5	<0.06	<0.5	<0.05					
Methoxychlor			<0.05	<0.5	<0.5			<100	<0.58	<10	<0.5					
PCB 1016				<0.5	<0.5	<10	<10	<100	<0.58	<10	<0.5					
PCB 1221				<0.5	<0.5	<10	<10	<100	<0.58	<10	<0.5					
PCB 1232				<0.5	<0.5	<10	<10	<100	<0.58	<10	<0.5					
PCB 1242				<0.5	<0.5	<10	<10	<100	<0.58	<10	<0.5					
PCB 1248				<0.5	<0.5	<10	<10	<100	<0.58	<10	<0.5					
PCB 1254				<0.5	<0.5	<10	<10	<100	<1.2	<10	<1					
PCB 1260				<0.5	<0.5	<10	<10	<100	<1.2	<10	<1					
PCB 1262						<10	<10									
Total BHC	<0.04	<0.04	<0.05	<0.01	<0.01			<5		0.5		<0.5	<0.1(J)	1.6(NJB)	<0.01(J)	<0.01(J)
Total DDT	0.1	0.06	0.13	0.098	0.1			36		3.6		4	1(NJB)	0.29(NJB)	<0.02(J)	<0.02(J)
Toxaphene			<0.5	<1	<1	<10	<10	<100	<1.2	<10	<1					

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 87/11/17 BAC/ORG	MW-04 88/01/19 ATI/SPT	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/04/21 BAC/ORG	MW-04 88/07/26 ATI/SPT	MW-04 88/07/26 BAC/FD	MW-04 88/07/26 BAC/ORG	MW-04 88/10/13 BAC/ORG	MW-04 89/02/08 BAC/ORG	MW-04 89/05/18 BAC/ORG	MW-04 89/11/16 BAC/ORG	MW-04 90/04/20 BAC/ORG	MW-05 85/04/26 BAC/ORG	MW-05 85/08/13 BAC/ORG
2,4'-DDD	<0.01	<0.1	<0.01	<0.01	<0.01	<0.2	<0.1	<0.2	<0.2	<10	<0.5	<0.2(J)	<0.04	<0.04		
2,4'-DDE	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<5	<0.5(J)	<0.2(J)	<0.04	<0.04		
2,4'-DDT	<0.02	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<1	<5	<0.5(J)	<0.2	<0.8	<0.04		
4,4'-DDD	<0.01	<0.1	<0.01	<0.01	<0.01	<0.2	<0.1	<0.2	<2	<10	<0.5	<0.2	<0.04	<0.04	<0.1	0.91
4,4'-DDE	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.2	<0.04	<0.04	<0.1	<0.5
4,4'-DDT	<0.02	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<1	13[ET]	<0.5	<0.2	<0.8	<0.04	<0.4	<1
Aldrin		<0.05					<0.05								<0.5	<0.5
alpha-BHC	<0.005	<0.05	<0.005	<0.005	<0.005	<0.08	<0.05	<0.08	<0.8	<4	<0.5(J)	<0.2	<0.8	<0.8	<0.5	130
Alpha-Chlordane																
alpha-Endosulfan		<0.05					<0.05								<0.5	<0.5
beta-BHC	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<4	<0.5(J)	<0.2(J)	<0.04	<0.8	<0.5	<5
beta-Endosulfan		<0.1					<0.1								<0.5	<0.5
Chloral																<100
Chlordane		<0.5					<0.5								<3	<0.5
delta-BHC	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<4	<0.5	<0.2	<0.04	<0.04	<0.5	24
Dieldrin		<0.1					<0.1								<0.5	<0.5
Endosulfan 1		<0.05					<0.05								<0.5	<0.5
Endosulfan 2		<0.1					<0.1								<0.5	<0.5
Endosulfan sulfate		<0.1					<0.1								<1	<1
Endrin		<0.1					<0.1								<1	<1
Endrin aldehyde		<0.1					<0.1								<1	<1
Endrin Ketone																
gamma-BHC	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.8	<4	<0.5	<0.2	<0.04	<0.04	<0.5	14
Gamma-Chlordane																
Heptachlor		<0.05					<0.05								<0.5	<0.5
Heptachlor epoxide		<0.05					<0.05								<0.5	<0.5
Methoxychlor		<0.5					<0.5								<10	<10
PCB 1016		<0.5					<0.5								<10	<10
PCB 1221		<0.5					<0.5								<10	<10
PCB 1232		<0.5					<0.5								<10	<10
PCB 1242		<0.5					<0.5								<10	<10
PCB 1248		<0.5					<0.5								<10	<10
PCB 1254		<1					<1								<10	<10
PCB 1260		<1					<1								<10	<10
PCB 1262																
Total BHC	<0.01		<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.8	<4	<0.5	<0.2	<0.8	<0.8	<0.5	170
Total DDT	<0.02		<0.02	<0.02	<0.02	<0.2	<0.1	<0.2	<2	13[ET]	<0.5	<0.2	<0.8	<0.04	<0.4	0.91
Toxaphene		<1					<1								<10	<10

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 86/08/14 BAC/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG	MW-05 87/02/26 BAC/ORG	MW-05 87/04/02 BAC/ORG	MW-05 87/11/18 BAC/ORG	MW-05 88/01/20 BAC/ORG	MW-05 88/04/20 BAC/ORG	MW-05 88/07/27 BAC/ORG	MW-05 88/10/14 BAC/ORG	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA
2,4'-DDD			<0.5	<1(J)	<1(J)	<1(J)	<0.1(R)	<0.1(R)	<0.1	<0.1	<2	<2	<200	<5(J)		
2,4'-DDE			<0.5	<1(J)	<1(J)	<1(J)	<0.1(R)	<0.1(R)	<0.1	<0.1	<1	<1	<1	<5		
2,4'-DDT			<0.5	<2(J)	<2(J)	<2(J)	<0.2(R)	<0.2(R)	<0.2	<0.2	<1	<10	<100	<5(J)		
4,4'-DDD	<10	<10	1	2.4(NJB)	1.7(NJB)	0.73(NJ)	<0.1(R)	0.94(R)	<0.1	0.49	<2	<20	<200	<5(J)	1.1(J)	0.48(J)
4,4'-DDE	<10	<10	<0.5	<1(J)	<1(J)	<1(J)	<0.1(R)	0.86(R)	<0.1	<0.1	<1	<1	<1	<5(J)	<0.11	<0.11
4,4'-DDT	<10	<10	2	4.8(NJB)	3.3(NJB)	0.28(NJ)	<0.2(R)	0.29(R)	<0.2	0.2	<1	<10	<100	<5	0.39(J)	0.17(J)
Aldrin	<5	<5													0.082(J)	<0.053
alpha-BHC	76	69	<0.5	79(NJB)	46(NJB)	90(NJ)	16(R)	<0.05(R)	<0.05	<0.05	<0.8	<8	<0.8	13	<0.053	<0.053
Alpha-Chlordane															<0.53	<0.53
alpha-Endosulfan	<5	<5													<0.053	<0.053
beta-BHC	<5	<5	<0.5	1.1(NJB)	<1(J)	15(NJ)	0.26(R)	1.2(R)	4.2	1	<0.8	<0.8	<0.8	<5(J)	<0.053	<0.053
beta-Endosulfan	<10	<10													<0.11	<0.11
Chloral																
Chlordane	<50	<50														
delta-BHC	47	58	<0.5	11(NJB)	7.1(NJB)	18(NJ)	1.2(R)	9.9(R)	6.1	7	5.2	3.4	<0.8	<5	<0.053	<0.053
Dieldrin	<10	<10													<0.11	<0.11
Endosulfan 1	<5	<5													<0.053	<0.053
Endosulfan 2	<10	<10													<0.11	<0.11
Endosulfan sulfate	<10	<10													<0.11	<0.11
Endrin	<10	<10													0.15(J)	<0.11
Endrin aldehyde	<10	<10														
Endrin Ketone	<10	<10													<0.11	<0.11
gamma-BHC	27	33	1.5	8(NJB)	4.6(NJB)	100(NJ)	1.1(R)	8.2(R)[EP]	11(EA)	5.5	4.5	2.3	<0.8	<5	2.2	1.7(J)
Gamma-Chlordane															<0.53	<0.53
Heptachlor	<5	<5													0.098(J)	0.068(J)
Heptachlor epoxide	<5	<5													<0.053	<0.053
Methoxychlor	<50	<50													<0.53	<0.53
PCB 1016	<50	<50													<0.53	<0.53
PCB 1221	<50	<50													<0.53	<0.53
PCB 1232	<50	<50													<0.53	<0.53
PCB 1242	<50	<50													<0.53	<0.53
PCB 1248	<50	<50													<0.53	<0.53
PCB 1254	<100	<100													<1.1	<1.1
PCB 1260	<100	<100													<1.1	<1.1
PCB 1262																
Total BHC			1.5	99(NJB)	60(NJB)	220(NJ)	19(R)	19(R)	23	13.5	9.7	5.7	<0.8	13		
Total DDT			3	7.2(NJB)	5(NJB)	1(NJ)	<0.2(R)	2.1(R)[EP]	<0.2	0.69	<2	<20	<200	<5		
Toxaphene	<100	<100													<1.1	<1.1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 89/05/19 BAC/ORG	MW-05 89/10/28 BAC/ORG	MW-05 90/04/21 BAC/ORG	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-05 91/04/23 BAC/ORG	MW-05 91/11/19 ATI/ORG	MW-06 86/08/14 BAC/ORG	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD	MW-06 89/01/31 BAC/ORG	MW-06 89/02/08 BAC/ORG	MW-06 89/05/16 BAC/ORG	MW-06 89/10/27 BAC/ORG	MW-06 90/02/24 BAC/ORG
2,4'-DDD	<0.2	0.47	<0.8	<0.2	<0.4	<0.4	<0.4	<0.2	<0.5	<0.4	<0.02	<0.02	<0.5	<0.2	<0.04	<0.04[E]
2,4'-DDE	<0.2	<0.04	<0.8	<0.2	<0.4	<0.4	<0.4	<0.2	<0.5	<0.4	<0.02	<0.02	<0.5(J)	<0.2	<0.04	<0.04[E]
2,4'-DDT	<0.2	<2	<0.8	<0.2	<0.4	<0.4	<0.4	<0.2	<0.5	<0.4	<0.02	<0.02	<0.5(J)	<0.2	<0.04	<0.04[E]
4,4'-DDD	0.2	<2	<0.8	<0.2	<0.4	<0.4	0.4	<0.2	4	<0.4	<0.02(J)	<0.02(J)	<0.5	<0.2	<0.04	<0.04[E]
4,4'-DDE	<0.2	<0.04	<0.8	<0.2	<0.4	<0.4	<0.4	<0.2	<0.5	<0.4	<0.02	<0.02	<0.5	<0.2	<0.04	<0.04[E]
4,4'-DDT	<0.2	<2	<0.8	<0.2	<0.4	<0.4	<0.4	<0.2	5	<0.4	<0.02	<0.02	<0.5	<0.2	<0.4	<0.04[E]
Aldrin				<0.5				<0.5		<1						
alpha-BHC	<0.2	<2	<0.8	<0.1	<0.4	<0.4	<0.4	<0.1	2	1.8	<0.02(J)	<0.02(J)	<0.5(J)	1.6	0.7	<0.4[E]
Alpha-Chlordane																
alpha-Endosulfan				<0.5				<0.5		<1						
beta-BHC	0.2	0.18	<0.8	<0.1	<0.4	<0.4	<0.4	<0.1	0.5	0.57	0.6	0.6	1(J)	0.6	<0.4	0.73[E]
beta-Endosulfan				<1				<1		<2						
Chloral																
Chlordane				<5				<5		<10						
delta-BHC	0.4	0.41	<0.8	0.49	<0.4	<0.4	<0.4	0.19	1	<0.2	0.19	0.19	<0.5	0.3	0.4[EA]	0.25[E]
Dieldrin				<1				<1		<2						
Endosulfan 1				<0.5				<0.5		<1						
Endosulfan 2				<1				<1		<2						
Endosulfan sulfate				<1				<1		<2						
Endrin				<1				<1		<2						
Endrin aldehyde										<2						
Endrin Ketone				<1				<1								
gamma-BHC	0.3	0.29	<0.8	0.32	<0.4	<0.4	<0.4	0.23	0.5	2.7	0.88(J)	0.9(J)	1.2	1.2	1[EP]	1.2[E]
Gamma-Chlordane																
Heptachlor				<0.5				<0.5		<1						
Heptachlor epoxide				<0.5				<0.5		<1						
Methoxychlor				<5				<5		<10						
PCB 1016				<5				<5		<10						
PCB 1221				<5				<5		<10						
PCB 1232				<5				<5		<10						
PCB 1242				<5				<5		<10						
PCB 1248				<5				<5		<10						
PCB 1254				<5				<5		<10						
PCB 1260				<5				<5		<10						
PCB 1262																
Total BHC	0.9	0.88	<0.8	0.81	<0.4	<0.4	<0.4	0.42	5	5.1	1.7	1.7	2.2	3.7	2.1	2.2[E]
Total DDT	0.2	0.47	<0.8	<0.2	<0.4	<0.4	0.4	<0.2	9	<0.4	<0.02	<0.02	<0.5	<0.2	<0.4	<0.04[E]
Toxaphene				<10				<10		<20						

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-06 90/04/20 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-06 91/04/25 ATI/SPT	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-06 91/11/21 ATI/ORG	MW-06 95/12/01 BAC/ORG	MW-07 86/08/13 BAC/ORG	MW-07 89/02/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-07 89/05/16 BAC/ORG	MW-07 89/10/26 BAC/ORG	MW-07 90/04/20 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD
2,4'-DDD	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.2	<0.5	<0.5(J)	<5	<0.2	<0.8	<0.04	<0.02	<0.02	<0.02
2,4'-DDE	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.2	<0.5	<0.5	<5	<0.2	<0.8	<0.04	<0.02	<0.02	<0.02
2,4'-DDT	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.2	<1	<0.5(J)	<5(J)	<0.2	<0.8	<0.04	<0.02	<0.02	<0.02
4,4'-DDD	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.1	<0.5	<0.5	<5(J)	<0.2	<0.8	<0.04	<0.02	<0.02	<0.02
4,4'-DDE	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.1	<0.5	<0.5	<5	<0.2	<0.8	<0.04	<0.02	<0.02	<0.02
4,4'-DDT	<0.04	<0.8	<1	<0.8	<0.8	<1	<0.1	<1	<0.5	<5	<0.2	<0.8	<0.04	<0.02	0.032	0.03[EB]
Aldrin			<2.5			<2.5	<0.1								<0.05	
alpha-BHC	<0.8	<0.8	<0.5	<0.8	<0.8	1.1	0.58	<0.5	2.7	<5	<0.2	<0.8	<0.8	<0.02(J)	<0.01	<0.02(J)
Alpha-Chlordane																
alpha-Endosulfan			<2.5			<2.5	<0.1								<0.05	
beta-BHC	<0.8	<0.8	<0.5	<0.8	<0.8	<0.5	<0.1	<0.5	<0.5(J)	<5(J)	<0.2	<0.8	<0.8	<0.02	<0.01	<0.02
beta-Endosulfan			<5			<5	<0.1								<0.1	
Chloral																
Chlordane			<25			<25	<2								<0.5	
delta-BHC	<0.8	<0.8	<0.5	<0.8	<0.8	<0.5	0.6	<0.5	<0.5	<5	<0.2	<0.8	<0.8	<0.02	<0.01	<0.02
Dieldrin			<5			<5	<0.1								<0.1	
Endosulfan 1			<2.5			<2.5	<0.1								<0.05	
Endosulfan 2			<5			<5	<0.1								<0.1	
Endosulfan sulfate			<5			<5	<0.5								<0.1	
Endrin			<5			<5	<0.1								<0.1	
Endrin aldehyde							<0.1									
Endrin Ketone			<5			<5									<0.1	
gamma-BHC	<0.8	1.7	1.2	0.88	0.84	0.95	1.2	<0.5	<0.5	<5	<0.2	<0.8	<0.8	<0.02	<0.01	<0.02
Gamma-Chlordane																
Heptachlor			<2.5			<2.5	<0.05								<0.05	
Heptachlor epoxide			<2.5			<2.5	<0.1								<0.05	
Methoxychlor			<25			<25	<0.2								<0.5	
PCB 1016			<25			<25	<5								<0.5	
PCB 1221			<25			<25	<5								<0.5	
PCB 1232			<25			<25	<5								<0.5	
PCB 1242			<25			<25	<5								<0.5	
PCB 1248			<25			<25	<5								<0.5	
PCB 1254			<25			<25	<5								<0.5	
PCB 1260			<25			<25	<5								<0.5	
PCB 1262																
Total BHC	<0.8	1.7	1.2	0.88	0.84	2.1		<0.5	2.7	<5	<0.2	<0.8	<0.8	<0.02	<0.01	<0.02
Total DDT	<0.04	<0.8	<1	<0.8	<0.8	<1		<1	<0.5	<5	<0.2	<0.8	<0.04	<0.02	0.032	0.03[EB]
Toxaphene			<50			<50	<5								<1	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-08 89/05/15 BAC/ORG	MW-08 89/10/27 BAC/ORG	MW-08 90/02/22 BAC/ORG	MW-08 90/04/20 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/RASE	MW-09 89/05/12 WTC/SEPA	MW-09 89/05/17 BAC/ORG	MW-09 89/10/27 BAC/ORG	MW-09 90/04/20 BAC/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2			<0.02	<0.04	<0.04[EH]
2,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2			<0.02	<0.04	<0.04[EH]
2,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2			<0.02	<0.04	<0.04[EH]
4,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2	<5.5	<0.11	<0.02	<0.04	<0.04[EH]
4,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2	<5.5	<0.11	<0.02	<0.04	<0.04[EH]
4,4'-DDT	0.03[EB]	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2	<5.5	<0.11	<0.02[J]	<0.4	0.05[EH]
Aldrin					<0.5			<2.7	<0.055			
alpha-BHC	<0.02[J]	<0.04	<0.04	<0.04	<0.1	<0.2[J]	<0.2[J]	32	<0.055	<0.02	<0.4	<8[EH]
Alpha-Chlordane								<27	<0.55			
alpha-Endosulfan					<0.5			<2.7	<0.055			
beta-BHC	<0.02	<0.04	<0.04	<0.04	<0.1	<0.2	<0.2	<2.7	<0.055	<0.02	<0.4	<8[EH]
beta-Endosulfan					<1			<5.5	<0.11			
Chloral												
Chlordane					<5							
delta-BHC	<0.02	<0.04	<0.04	<0.04	<0.1	<0.2	<0.2	<2.7	<0.055	<0.02	<0.4	<8[EH]
Dieldrin					<1			<5.5	<0.11			
Endosulfan 1					<0.5			<2.7	<0.055			
Endosulfan 2					<1			<5.5	<0.11			
Endosulfan sulfate					<1			<5.5	<0.11			
Endrin					<1			<5.5	<0.11			
Endrin aldehyde					<1							
Endrin Ketone								<5.5	<0.11			
gamma-BHC	<0.02	<0.04[EA]	<0.04	<0.04	<0.1	<0.2	<0.2	<2.7	<0.055	<0.02	<0.4[EA]	<8[EH]
Gamma-Chlordane								<27	<0.55			
Heptachlor					<0.5			<2.7	<0.055			
Heptachlor epoxide					<0.5			<2.7	<0.055			
Methoxychlor					<5			<27	<0.55			
PCB 1016					<5			<27	<0.55			
PCB 1221					<5			<27	<0.55			
PCB 1232					<5			<27	<0.55			
PCB 1242					<5			<27	<0.55			
PCB 1248					<5			<27	<0.55			
PCB 1254					<5			<55	<1.1			
PCB 1260					<5			<55	<1.1			
PCB 1262												
Total BHC	<0.02	<0.04	<0.04	<0.04	<0.1	<0.2	<0.2			<0.02	<0.4	<8[EH]
Total DDT	0.03[EB]	<0.04	<0.04	<0.04	<0.2	<0.2	<0.2			<0.02	<0.4	0.05[EH]
Toxaphene					<10			<55	<1.1			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-10 89/02/03 BAC/ORG	MW-10 89/02/10 BAC/FD	MW-10 89/02/10 BAC/ORG	MW-10 89/05/18 BAC/ORG	MW-10 89/10/27 BAC/ORG	MW-10 90/04/20 BAC/ORG	MW-11 89/02/03 AT/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-11 89/02/10 BAC/ORG	MW-11 89/05/18 BAC/ORG	MW-11 89/10/27 BAC/ORG	MW-11 90/02/25 BAC/ORG	MW-11 90/04/18 BAC/ORG	MW-12 89/02/02 BAC/ORG
2,4'-DDD	<0.05(J)[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<4	<0.5(J)	<0.05(R)	<5	<0.2	<0.8	<0.04	<2	<0.5(J)
2,4'-DDE	<0.05[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<4	<0.5	<0.05(R)	<5	<0.2	<0.8	<0.04	<2	<0.5
2,4'-DDT	<0.05(J)[EH]	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<4	<0.5(J)	<0.05(R)	<5(J)	<0.2	<0.8	<0.04	<2	<0.5(J)
4,4'-DDD	<0.05[EH]	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<4	<0.5	<0.05(R)	<5(J)	<0.2	<0.8	<0.04	<2	<0.5
4,4'-DDE	<0.05[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<4	<0.5	<0.05(R)	<5	<0.2	<0.8	<0.04	<2	<0.5
4,4'-DDT	<0.05[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<4	<0.5	<0.05(R)	<5	<0.2	<0.8	<0.04	<2	<0.5
Aldrin							<10								
alpha-BHC	0.21[EH]	<0.05	<0.05	<0.02	<0.2	<0.04	12	3	<0.05(R)	5.9	2.5	5.8	8.4	5	18
alpha-Endosulfan							<10								
beta-BHC	<0.05(J)[EH]	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	2.7	<0.5(J)	<0.05(R)	<5(J)	2.1	5.7	8	4	<0.5(J)
beta-Endosulfan							<20								
Chlordane							<100								
delta-BHC	<0.05[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<2	1.1	<0.05(R)	<5	1.3	2[EA]	3.2	2	<0.5
Dieldrin							<20								
Endosulfan 1							<10								
Endosulfan 2							<20								
Endosulfan sulfate							<20								
Endrin							<20								
Endrin aldehyde							<20								
Endrin Ketone															
gamma-BHC	<0.05[EH]	<0.05	<0.05	<0.02	<0.04[EA]	<0.04	20	9.8	<0.05(R)	27	8	13[EP]	15	10	<0.5
Heptachlor							<10								
Heptachlor epoxide							<10								
Methoxychlor							<100								
PCB 1016							<100								
PCB 1221							<100								
PCB 1232							<100								
PCB 1242							<100								
PCB 1248							<100								
PCB 1254							<100								
PCB 1260							<100								
Total BHC	0.21[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	35	14	<0.05[UT]	33	14	27	33	21	18
Total DDT	<0.05[EH]	<0.05	<0.05	<0.02	<0.04	<0.04	<4	<0.5	<0.05	<5	<0.2	<0.8	<0.04	<2	<0.5
Toxaphene							<200								

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 89/02/07 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 89/10/25 BAC/ORG	MW-12 90/02/24 BAC/ORG	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG
2,4'-DDD	<0.5(J)	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
2,4'-DDE	<0.5	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
2,4'-DDT	<0.5(J)	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDD	<0.5(J)	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDE	<0.5(J)	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
4,4'-DDT	<0.5	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
Aldrin		<0.5					<0.5			<0.5			<0.5		
alpha-BHC	15	<0.1	<0.2	<0.2	<2	<0.8[E]	<0.1	<2	<0.8	<0.1	<0.8	<0.8	<0.1	<0.4	<0.4
alpha-Endosulfan		<0.5					<0.5			<0.5			<0.5		
beta-BHC	<0.5(J)	0.15	<0.2	<0.2	<2	<0.04[E]	<0.1	<2	<0.8	<0.1	<0.8	<0.8	<0.1	<0.4	<0.4
beta-Endosulfan		<1					<1			<1			<1		
Chlordane		<5					<5			<5			<5		
delta-BHC	<0.5	<0.1	<0.2	<0.2	<0.04	<0.04[E]	<0.1	<0.04	<0.8	<0.1	<0.04	<0.04	<0.1	<0.4	<0.4
Dieldrin		<1					<1			<1			<1		
Endosulfan 1		<0.5					<0.5			<0.5			<0.5		
Endosulfan 2		<1					<1			<1			<1		
Endosulfan sulfate		<1					<1			<1			<1		
Endrin		<1					<1			<1			<1		
Endrin aldehyde		<1													
Endrin Ketone							<1			<1			<1		
gamma-BHC	<0.5	0.12	<0.2	<0.2	0.13	<0.04[E]	0.11	<2	<0.04	0.11	<0.8	<0.8	0.18	<0.4	<0.4
Heptachlor		<0.5					<0.5			<0.5			<0.5		
Heptachlor epoxide		<0.5					<0.5			<0.5			<0.5		
Methoxychlor		<5					<5			<5			<5		
PCB 1016		<5					<5			<5			<5		
PCB 1221		<5					<5			<5			<5		
PCB 1232		<5					<5			<5			<5		
PCB 1242		<5					<5			<5			<5		
PCB 1248		<5					<5			<5			<5		
PCB 1254		<5					<5			<5			<5		
PCB 1260		<5					<5			<5			<5		
Total BHC	15	0.27	<0.2	<0.2	0.13	<0.04[E]	0.11	<2	<0.8	0.11	<0.8	<0.8	0.18	<0.4	<0.4
Total DDT	<0.5	<0.2	<0.2	<0.2	<0.04	<0.04[E]	<0.2	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.4
Toxaphene		<10					<10			<10			<10		

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 91/11/21 ATI/ORG	MW-12 95/12/02 BAC/ORG	MW-13 89/02/01 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-13 89/10/25 BAC/ORG	MW-13 90/02/24 BAC/ORG	MW-13 90/04/21 BAC/ORG	MW-14 89/02/01 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD	MW-14 89/02/09 BAC/ORG	MW-14 89/05/16 BAC/ORG
2,4'-DDD	<0.06	<0.08	<0.02(J)	<0.05(J)	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02(J)	<0.02	<0.05	<0.05	<0.2
2,4'-DDE	<0.06	<0.08	<0.02	<0.05(J)	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02	<0.02	<0.05	<0.05	<0.2
2,4'-DDT	<0.06	<0.08	<0.02	<0.05(J)	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02	<0.02	<0.05(J)	<0.05(J)	<0.2
4,4'-DDD	<0.06	<0.04	<0.02(J)	<0.05(J)	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02(J)	<0.02	<0.05(J)	<0.05(J)	<0.2
4,4'-DDE	<0.06	<0.04	<0.02(J)	<0.05	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02(J)	<0.02	<0.05	<0.05	<0.2
4,4'-DDT	<0.06	<0.04	<0.02(J)	<0.05	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02(J)	<0.02	<0.05	<0.05	<0.2
Aldrin	<0.15	<0.04			<0.5							<0.05			
alpha-BHC	<0.03	0.15	0.29[EA]	0.29(J)	0.41	0.3	0.21	0.22	0.29[E]	0.19[EA]	<0.02[EA]	0.055	<0.05	<0.05	<0.2
alpha-Endosulfan	<0.15	<0.04			<0.5							<0.05			
beta-BHC	0.055	0.14	<0.02	<0.05	0.15	<0.2	0.16	<0.2	<0.04[E]	0.13	<0.02	0.015	<0.05(J)	<0.05(J)	<0.2
beta-Endosulfan	<0.3	<0.04			<1							<0.1			
Chlordane	<1.5	<0.8			<5							<0.5			
delta-BHC	<0.03	0.052	0.08	<0.05	<0.1	<0.2	0.08	<0.2	<0.04[E]	<0.04	0.05	<0.01	<0.05	<0.05	<0.2
Dieldrin	<0.3	<0.04			<1							<0.1			
Endosulfan 1	<0.15	<0.04			<0.5							<0.05			
Endosulfan 2	<0.3	<0.04			<1							<0.1			
Endosulfan sulfate	<0.3	<0.2			<1							<0.1			
Endrin	<0.3	<0.04			<1							<0.1			
Endrin aldehyde		<0.04			<1							<0.1			
Endrin Ketone	<0.3														
gamma-BHC	0.052	0.23	0.14	<0.05	0.1	0.2	0.17	<0.2	<0.04[E]	0.06	0.06	<0.01	<0.05	<0.05	<0.2
Heptachlor	<0.15	<0.02			<0.5							<0.05			
Heptachlor epoxide	<0.15	<0.04			<0.5							<0.05			
Methoxychlor	<1.5	<0.06			<5							<0.5			
PCB 1016	<1.5	<2			<5							<0.5			
PCB 1221	<1.5	<2			<5							<0.5			
PCB 1232	<1.5	<2			<5							<0.5			
PCB 1242	<1.5	<2			<5							<0.5			
PCB 1248	<1.5	<2			<5							<0.5			
PCB 1254	<1.5	<2			<5							<0.5			
PCB 1260	<1.5	<2			<5							<0.5			
Total BHC	0.11		0.49	0.29	0.68	0.5	0.62	0.22	0.29[E]	0.38	0.11	0.07	<0.05	<0.05	<0.2
Total DDT	<0.06		<0.02	<0.05	<0.2	<0.2	<0.02	<0.2	<0.04[E]	<0.04	<0.02	<0.02	<0.05	<0.05	<0.2
Toxaphene	<3	<2			<10							<1			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-14 89/10/24 ATI/SPT	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-14 90/02/24 BAC/ORG	MW-14 90/04/17 BAC/ORG	MW-14 90/12/02 BAC/ORG	MW-14 91/04/25 BAC/ORG	MW-14 91/11/19 ATI/ORG	MW-15 89/01/30 BAC/ORG	MW-15 89/02/08 BAC/ORG	MW-15 89/05/17 BAC/ORG	MW-15 89/10/24 BAC/ORG	MW-15 90/02/23 BAC/ORG	MW-15 90/04/18 BAC/ORG	MW-16 90/04/05 BAC/ORG
2,4'-DDD	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	<0.1	<0.05	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
2,4'-DDE	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	<0.1	<0.05	<0.5(J)	<0.2	<0.4	<0.4	<0.8	<0.04
2,4'-DDT	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	0.45	<0.05(J)	<0.5(J)	<0.2	<0.4	<0.4	<0.8	<0.04
4,4'-DDD	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	0.17	<0.05(J)	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
4,4'-DDE	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	<0.1	<0.05	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
4,4'-DDT	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	<0.1	<0.05	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
Aldrin	<0.2							<0.25							
alpha-BHC	0.29	0.38	0.49	<0.04[E]	<0.2	<0.4	<0.08	0.27	0.51	0.93(J)	0.6	0.88	0.54	<0.8	<0.04
alpha-Endosulfan	<0.2							<0.25							
beta-BHC	0.13	0.52[EP]	<0.04[EP]	<0.04[E]	<0.2	<0.4	<0.08	0.14	<0.05	<0.5(J)	0.5	<0.4	<0.4	<0.8	<0.04
beta-Endosulfan	<0.4							<0.5							
Chlordane	<2							<2.5							
delta-BHC	0.051	0.13[EA]	0.17[EA]	<0.04[E]	<0.2	<0.4	<0.08	0.059	<0.05	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
Dieldrin	<0.4							<0.5							
Endosulfan 1	<0.2							<0.25							
Endosulfan 2	<0.4							<0.5							
Endosulfan sulfate	<0.4							<0.5							
Endrin	<0.4							<0.5							
Endrin aldehyde															
Endrin Ketone	<0.4							<0.5							
gamma-BHC	<0.04	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	<0.05	1.6(J)	4	2.4	1.8	<0.4	2	<0.04
Heptachlor	<0.2							<0.25							
Heptachlor epoxide	<0.2							<0.25							
Methoxychlor	<2							<2.5							
PCB 1016	<2							<2.5							
PCB 1221	<2							<2.5							
PCB 1232	<2							<2.5							
PCB 1242	<2							<2.5							
PCB 1248	<2							<2.5							
PCB 1254	<2							<2.5							
PCB 1260	<2							<2.5							
Total BHC	0.47	1	0.66	<0.04[E]	<0.2	<0.4	<0.08	0.47	2.1	4.9	3.5	2.7	0.54	2	<0.04
Total DDT	<0.08	<0.04	<0.04	<0.04[E]	<0.2	<0.4	<0.08	0.62	<0.05	<0.5	<0.2	<0.4	<0.4	<0.8	<0.04
Toxaphene	<4							<5							

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-16 90/04/16 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-16 90/11/30 BAC/ORG	MW-16 91/04/25 BAC/ORG	MW-16 91/11/20 ATI/ORG	MW-17 90/04/05 BAC/ORG	MW-17 90/04/16 BAC/ORG	MW-17 90/08/05 BAC/ORG	MW-18 90/04/05 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG	MW-19 90/04/05 BAC/ORG	MW-19 90/04/20 BAC/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
2,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
2,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
4,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	0.12[EB]	0.08	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
4,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
4,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	0.14[UB]	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
Aldrin	<0.05					<0.05					<0.05				
alpha-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04
alpha-Endosulfan	<0.05					<0.05					<0.05				
beta-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04
beta-Endosulfan	<0.1					<0.1					<0.1				
Chlordane	<0.5					<0.5					<0.5				
delta-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04
Dieldrin	<0.1					<0.1					<0.1				
Endosulfan 1	<0.05					<0.05					<0.05				
Endosulfan 2	<0.1					<0.1					<0.1				
Endosulfan sulfate	<0.1					<0.1					<0.1				
Endrin	<0.1					<0.1					<0.1				
Endrin aldehyde															
Endrin Ketone	<0.1					<0.1					<0.1				
gamma-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04
Heptachlor	<0.05					<0.05					<0.05				
Heptachlor epoxide	<0.05					<0.05					<0.05				
Methoxychlor	<0.5					<0.5					<0.5				
PCB 1016	<0.5					<0.5					<0.5				
PCB 1221	<0.5					<0.5					<0.5				
PCB 1232	<0.5					<0.5					<0.5				
PCB 1242	<0.5					<0.5					<0.5				
PCB 1248	<0.5					<0.5					<0.5				
PCB 1254	<0.5					<0.5					<0.5				
PCB 1260	<0.5					<0.5					<0.5				
Total BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04
Total DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	0.26[EB]	0.08	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04
Toxaphene	<1					<1					<1				

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-19 90/11/29 BAC/ORG	MW-19 91/04/25 BAC/ORG	MW-19 91/11/19 ATI/ORG
2,4'-DDD	<0.04	<0.04	<0.02
2,4'-DDE	<0.04	<0.04	<0.02
2,4'-DDT	<0.04	<0.04	<0.02
4,4'-DDD	<0.04	<0.04	<0.02
4,4'-DDE	<0.04	<0.04	<0.02
4,4'-DDT	<0.04	<0.04	<0.02
Aldrin			<0.05
alpha-BHC	<0.04	<0.04	<0.01
alpha-Endosulfan			<0.05
beta-BHC	<0.04	<0.04	<0.01
beta-Endosulfan			<0.1
Chlordane			<0.5
delta-BHC	<0.04	<0.04	<0.01
Dieldrin			<0.1
Endosulfan 1			<0.05
Endosulfan 2			<0.1
Endosulfan sulfate			<0.1
Endrin			<0.1
Endrin aldehyde			
Endrin Ketone			<0.1
gamma-BHC	<0.04	<0.04	<0.01
Heptachlor			<0.05
Heptachlor epoxide			<0.05
Methoxychlor			<0.5
PCB 1016			<0.5
PCB 1221			<0.5
PCB 1232			<0.5
PCB 1242			<0.5
PCB 1248			<0.5
PCB 1254			<0.5
PCB 1260			<0.5
Total BHC	<0.04	<0.04	<0.01
Total DDT	<0.04	<0.04	<0.02
Toxaphene			<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/04/06 BAC/ORG	MW-20 90/08/06 ATI/SPT	MW-20 90/08/06 BAC/FD	MW-20 90/08/06 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-22 90/04/19 BAC/ORG	MW-23 89/10/26 BAC/ORG	MW-23 89/11/14 BAC/ORG	MW-23 90/04/18 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-23 91/04/25 BAC/ORG
2,4'-DDD	<0.04	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
2,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
2,4'-DDT	<0.04	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
4,4'-DDD	0.1	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
4,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
4,4'-DDT	0.4[EP]	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
Aldrin		<0.05				<0.06							<0.05			
alpha-BHC	<0.04	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.04[EA]	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
alpha-Endosulfan		<0.05				<0.06							<0.05			
beta-BHC	<0.04	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
beta-Endosulfan		<0.1				<0.12							<0.1			
Chlordane		<0.5				<0.6							<0.5			
delta-BHC	<0.04	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
Dieldrin		<0.1				<0.12							<0.1			
Endosulfan 1		<0.05				<0.06							<0.05			
Endosulfan 2		<0.1				<0.12							<0.1			
Endosulfan sulfate		<0.1				<0.12							<0.1			
Endrin		<0.1				<0.12							<0.1			
Endrin aldehyde																
Endrin Ketone		<0.1				<0.12							<0.1			
gamma-BHC	<0.04	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
Heptachlor		<0.05				<0.06							<0.05			
Heptachlor epoxide		<0.05				<0.06							<0.05			
Methoxychlor		<0.5				<0.6							<0.5			
PCB 1016		<0.5				<0.6							<0.5			
PCB 1221		<0.5				<0.6							<0.5			
PCB 1232		<0.5				<0.6							<0.5			
PCB 1242		<0.5				<0.6							<0.5			
PCB 1248		<0.5				<0.6							<0.5			
PCB 1254		<0.5				<0.6							<0.5			
PCB 1260		<0.5				<0.6							<0.5			
Total BHC	<0.04	<0.01	<0.04	<0.04	<0.04	<0.012	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
Total DDT	0.5	<0.02	<0.04	<0.04	<0.04	<0.024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04
Toxaphene		<1				<1.2							<1			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-23 91/11/21 ATI/ORG	MW-24 89/10/26 BAC/ORG	MW-24 89/11/14 BAC/ORG	MW-24 90/04/17 BAC/ORG	MW-25 89/10/26 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD	MW-25 90/02/22 BAC/ORG	MW-25 90/04/17 BAC/ORG	MW-25 90/08/06 BAC/ORG	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG
2,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
2,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
2,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
4,4'-DDD	<0.02	<0.04	<0.04	<0.04	<0.04	0.18	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
4,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
4,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.2	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
Aldrin	<0.05					<0.5			<0.5					<0.05		
alpha-BHC	<0.01	<0.04	<0.04	<0.04	<0.4	<0.1	<0.04	<0.4	<0.1	<0.4	<0.4	<0.4	<0.4	<0.01	<0.04	<0.04
alpha-Endosulfan	<0.05					<0.5			<0.5					<0.05		
beta-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.1	0.1	0.1	<0.1	<0.4	<0.04	0.14	<0.04	<0.01	<0.04	<0.04
beta-Endosulfan	<0.1					<1			<1					<0.1		
Chlordane	<0.5					<5			<5					<0.5		
delta-BHC	<0.01	<0.04	<0.04	<0.04	<0.04	<0.1	<0.04	<0.04	<0.1	<0.4	<0.04	<0.4	<0.04	<0.01	<0.04	<0.04
Dieldrin	<0.1					<1			<1					<0.1		
Endosulfan 1	<0.05					<0.5			<0.5					<0.05		
Endosulfan 2	<0.1					<1			<1					<0.1		
Endosulfan sulfate	<0.1					<1			<1					<0.1		
Endrin	<0.1					<1			<1					<0.1		
Endrin aldehyde																
Endrin Ketone	<0.1					<1			<1					<0.1		
gamma-BHC	<0.01	<0.04	<0.04	<0.04	0.08	<0.1	0.2	0.2	0.15	<0.2	<0.2	0.19	0.11	<0.01	<0.04	<0.04
Heptachlor	<0.05					<0.5			<0.5					<0.05		
Heptachlor epoxide	<0.05					<0.5			<0.5					<0.05		
Methoxychlor	<0.5					<5			<5					<0.5		
PCB 1016	<0.5					<5			<5					<0.5		
PCB 1221	<0.5					<5			<5					<0.5		
PCB 1232	<0.5					<5			<5					<0.5		
PCB 1242	<0.5					<5			<5					<0.5		
PCB 1248	<0.5					<5			<5					<0.5		
PCB 1254	<0.5					<5			<5					<0.5		
PCB 1260	<0.5					<5			<5					<0.5		
Total BHC	<0.01	<0.04	<0.04	<0.04	0.08	<0.1	0.3	0.3	0.15	<0.2	<0.2	<0.4	<0.4	<0.01	<0.04	<0.04
Total DDT	<0.02	<0.04	<0.04	<0.04	<0.04	0.18	<0.04	<0.04	<0.2	<0.4	<0.04	<0.4	<0.04	<0.02	<0.04	<0.04
Toxaphene	<1					<10			<10					<1		

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-26 89/11/15 BAC/ORG	MW-26 90/04/17 BAC/ORG	MW-26 90/12/01 BAC/ORG	MW-26 91/04/25 BAC/ORG	MW-26 91/11/19 ATI/ORG	MW-27 91/09/24 ATI/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD	MW-27 91/10/09 ATI/ORG	MW-28 91/11/19 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/03 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/03 APPL/SPT	MW-30 91/10/03 ATI/FD	MW-30 91/10/03 ATI/ORG
2,4'-DDD	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
2,4'-DDE	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02
2,4'-DDT	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDD	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDE	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
4,4'-DDT	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	0.74	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
Aldrin					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
alpha-Endosulfan					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
beta-Endosulfan					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
Chlordane					<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5
delta-BHC	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
Dieldrin					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan 1					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
Endosulfan sulfate					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
Endrin aldehyde							<0.05							<0.05		
Endrin Ketone					<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1
gamma-BHC	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
Heptachlor					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor					<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5
PCB 1016					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1221					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1232					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1242					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1248					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1254					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
PCB 1260					<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
Total BHC	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
Total DDT	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	1.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02
Toxaphene					<1	<1	2.4	<1	<1	<1	<1	<1	<1	<0.5	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-30 91/10/17 ATI/ORG	UBT-01 90/05/30 BAC/ORG	UBT-01 90/06/03 BAC/ORG	UBT-01 90/06/04 BAC/ORG	UBT-01 90/06/05 BAC/ORG	UBT-01 90/06/06 BAC/ORG	UBT-01 90/06/07 BAC/ORG	UBT-01 90/06/08 BAC/ORG
2,4'-DDD	<0.02	<200	<20000	<20000	<20000	<20000	<40000	<40000
2,4'-DDE	<0.02	<200	<20000	<20000	<20000	<20000	<40000	<40000
2,4'-DDT	<0.02	<200	<20000	<20000	<20000	<20000	<40000	<40000
4,4'-DDD	<0.02	2000	45000	90000	51000	120000	530000	250000
4,4'-DDE	<0.02	<200	<20000	<20000	<20000	<20000	<40000	<40000
4,4'-DDT	<0.02	8200	110000	400000	140000	260000	1200000	850000
Aldrin	<0.05							
alpha-BHC	<0.01	<200	<20000	<20000	<20000	<20000	<40000	<40000
alpha-Endosulfan	<0.05							
beta-BHC	<0.01	<200	<20000	<20000	<20000	<20000	<40000	<40000
beta-Endosulfan	<0.1							
Chlordane	<0.5							
delta-BHC	<0.01	<200	<20000	<20000	<20000	<20000	<40000	<40000
Dieldrin	<0.1							
Endosulfan 1	<0.05							
Endosulfan 2	<0.1							
Endosulfan sulfate	<0.1							
Endrin	<0.1							
Endrin aldehyde								
Endrin Ketone	<0.1							
gamma-BHC	<0.01	<200	<20000	<20000	<20000	<20000	<40000	<40000
Heptachlor	<0.05							
Heptachlor epoxide	<0.05							
Methoxychlor	<0.5							
PCB 1016	<0.5							
PCB 1221	<0.5							
PCB 1232	<0.5							
PCB 1242	<0.5							
PCB 1248	<0.5							
PCB 1254	<0.5							
PCB 1260	<0.5							
Total BHC	<0.01	<200	<20000	<20000	<20000	<20000	<40000	<40000
Total DDT	<0.02	10200	145000	490000	191000	380000	1730000	1100000
Toxaphene	<1							

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD	BF-01 87/01/13 BAC/ORG	BF-01 87/02/27 BAC/ORG	BF-01 87/04/01 BAC/ORG	BF-01 87/11/18 BAC/ORG	BF-01 88/01/20 BAC/ORG	BF-01 88/04/19 ATI/SPT	BF-01 88/04/19 BAC/FD	BF-01 88/04/19 BAC/LD	BF-01 88/04/19 BAC/ORG	BF-01 88/07/27 ATI/SPT	BF-01 88/07/27 BAC/FD	BF-01 88/07/27 BAC/ORG	BF-01 88/10/14 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<20
2,4'-DDE	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
2,4'-DDT	0.14(NJ)	<0.02(R)	<0.02(R)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
4,4'-DDD	0.14(NJ)	0.07(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	0.05	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<20
4,4'-DDE	0.04(NJ)	0.04(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
4,4'-DDT	0.06(NJ)	0.08(R)[EP]	0.07(R)[EP]	<0.02(R)	<0.02(J)	<0.02	0.08	<0.1	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	18[UT]
Aldrin								<0.05				<0.05			
alpha-BHC	0.08(NJ)	0.12(R)	0.08(R)	<0.005(R)	<0.005(J)	<0.005	<0.005	0.13	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<8
Alpha-Chlordane															
alpha-Endosulfan								<0.05				<0.05			
beta-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<8
beta-Endosulfan								<0.1				<0.1			
Chlordane								<0.5				<0.5			
delta-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<8
Dieldrin								<0.1				<0.1			
Endosulfan 1								<0.05				<0.05			
Endosulfan 2								<0.1				<0.1			
Endosulfan sulfate								<0.1				<0.1			
Endrin								<0.1				<0.1			
Endrin aldehyde								<0.1				<0.1			
Endrin Ketone															
gamma-BHC	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<8
Gamma-Chlordane															
Heptachlor								<0.05				<0.05			
Heptachlor epoxide								<0.05				<0.05			
Methoxychlor								<0.5				<0.5			
PCB 1016								<0.5				<0.5			
PCB 1221								<0.5				<0.5			
PCB 1232								<0.5				<0.5			
PCB 1242								<0.5				<0.5			
PCB 1248								<0.5				<0.5			
PCB 1254								<1				<1			
PCB 1260								<1				<1			
Total BHC	0.08(NJ)	0.12(R)	0.08(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.05	<0.08	<0.08	<8
Total DDT	0.38(NJ)	0.19(R)[EP]	0.07(R)[EP]	<0.02(R)	<0.02(J)	<0.02	0.11	<0.1	<0.2	0.23	<0.2	<0.1	<0.2	<0.2	18[UT]
Toxaphene								<1				<1			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 89/02/08 BAC/ORG	BF-01 89/05/19 BAC/ORG	BF-01 89/11/18 ATI/SPT	BF-01 89/11/18 BAC/FD	BF-01 89/11/18 BAC/ORG	BF-01 90/04/18 BAC/ORG	BF-02 87/01/07 BAC/FD	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG	BF-02 87/02/27 BAC/ORG	BF-02 87/04/01 BAC/ORG	BF-02 87/11/18 BAC/FD	BF-02 87/11/18 BAC/LD	BF-02 87/11/16 BAC/ORG	BF-02 88/01/19 BAC/ORG
2,4'-DDD	<0.05(J)	<0.02	<0.02	<0.04	<0.2	<0.04	<0.01	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01
2,4'-DDE	<0.05(J)	<0.02	<0.02	<0.04	<0.2	<0.04	<0.01	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01
2,4'-DDT	<0.05(J)	<0.02	<0.02	<0.04	<0.2	<0.04	<0.02	<0.02(J)	<0.02(R)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.02	<0.02
4,4'-DDD	<0.05(J)	0.03	<0.02	<0.04	0.16	<0.04	0.17	0.17(NJB)	0.21(R)	<0.01(R)	0.15(NJ)	0.24	0.26	0.21	<0.01
4,4'-DDE	<0.05	<0.02	<0.02	<0.04	<0.2	<0.04	0.02	0.03(NJB)	0.02(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01
4,4'-DDT	<0.05	0.04	<0.02	<0.04	<0.2	<0.04	0.05	<0.02(J)	0.08(R)[EP]	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.02	0.18
Aldrin			<0.05												
alpha-BHC	<0.05(J)	<0.02	<0.01	<0.04	<0.2	<0.04	0.8	0.72(NJB)	0.37(R)	0.37(R)	<0.005(J)	<0.005	<0.005	<0.005	<0.005
Alpha-Chlordane															
alpha-Endosulfan			<0.05												
beta-BHC	<0.05	<0.02	<0.01	<0.04	<0.2	<0.04	0.11	0.11(NJB)	0.13(R)	0.18(R)	0.056(NJ)	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan			<0.1												
Chlordane			<0.5												
delta-BHC	<0.05	<0.02	<0.01	<0.04	<0.2	<0.04	0.18	0.16(NJB)	0.17(R)	0.2(R)	0.021(NJ)	0.05	0.06	0.027	<0.01
Dieldrin			<0.1												
Endosulfan 1			<0.05												
Endosulfan 2			<0.1												
Endosulfan sulfate			<0.1												
Endrin			<0.1												
Endrin aldehyde															
Endrin Ketone			<0.1												
gamma-BHC	<0.05	<0.02	<0.01	<0.04	<0.2	<0.04	0.25	0.23(NJB)	0.09(R)	0.17(R)	0.065(NJ)	<0.01	<0.01	<0.01	<0.01
Gamma-Chlordane															
Heptachlor			<0.05												
Heptachlor epoxide			<0.05												
Methoxychlor			<0.5												
PCB 1016			<0.5												
PCB 1221			<0.5												
PCB 1232			<0.5												
PCB 1242			<0.5												
PCB 1248			<0.5												
PCB 1254			<0.5												
PCB 1260			<0.5												
Total BHC	<0.05	<0.02	<0.01	<0.04	<0.2	<0.04	1.3	1.2(NJB)	0.76(R)	0.92(R)	0.14(NJ)	0.05	0.06	0.027	<0.01
Total DDT	<0.05	0.07	<0.02	<0.04	0.16	<0.04	0.24	0.2(NJB)	0.31(R)[EP]	<0.02(R)	0.15(NJ)	0.24	0.26	0.21	0.18
Toxaphene			<1												

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-02 88/04/20 BAC/ORG	BF-02 88/07/27 BAC/ORG	BF-02 88/10/13 BAC/ORG	BF-02 89/02/08 BAC/ORG	BF-02 89/05/18 BAC/ORG	BF-02 89/10/28 BAC/ORG	BF-02 90/04/20 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-03 87/02/27 BAC/ORG	BF-03 87/04/01 BAC/ORG	BF-03 87/11/18 BAC/ORG	BF-03 88/01/20 ATI/SPT	BF-03 88/01/20 BAC/FD	BF-03 88/01/20 BAC/ORG
2,4'-DDD	<0.2	<0.2	<2	<0.05[J]	<0.2	<0.04	<0.04	<0.1(J)	0.07(R)	<0.01(R)	<0.01(J)	<0.01	<0.5	<0.01	<0.01
2,4'-DDE	<0.1	<0.1	<1	<0.05[J]	<0.2	<0.04	<0.04	<0.1(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.5	<0.01	<0.01
2,4'-DDT	<0.1	<0.1	<1	<0.05[J]	<0.2	<0.4	<0.04	<0.2(J)	0.22(R)	<0.02(R)	<0.02(J)	<0.02	<0.5	<0.02	<0.02
4,4'-DDD	<0.2	<2	4.7[UT]	<0.05(J)	<0.2	<0.4	<0.04	<0.1(J)	0.23(R)	0.095(R)	0.3(NJ)	0.33	<0.5	0.47	0.36
4,4'-DDE	<0.1	<0.1	<1	<0.05	<0.2	<0.04	<0.04	<0.1(J)	<0.01(R)	<0.01(R)	<0.01(J)	0.19	<0.5	<0.01	<0.01
4,4'-DDT	<0.1	0.68	10[UT]	<0.05	<0.2	<0.4	<0.04	0.43(NJB)	0.52(R)[EP]	0.095(R)	0.25(NJ)	0.25	<0.5	0.58	0.31
Aldrin													<0.25		
alpha-BHC	<0.08	0.09	<0.8	<0.05(J)	<0.2	<0.04	<0.04	0.72(NJB)	1.3(R)	0.21(R)	0.031(NJ)	<0.005	0.38	<0.005	<0.005
Alpha-Chlordane															
alpha-Endosulfan													<0.25		
beta-BHC	<0.08	<0.08	<0.8	<0.05	<0.2	<0.04	<0.04	<0.1(J)	0.24(R)	0.062(R)	0.076(NJ)	0.12	<0.25	0.08	0.07
beta-Endosulfan													<0.5		
Chlordane													<2.5		
delta-BHC	<0.08	<0.08	<0.8	<0.05	<0.2	<0.04	<0.04	0.29(NJB)	0.19(R)	0.092(R)	0.052(NJ)	<0.01	<0.25	<0.01	<0.01
Dieldrin													<0.5		
Endosulfan 1													<0.25		
Endosulfan 2													<0.5		
Endosulfan sulfate													<0.5		
Endrin													<0.5		
Endrin aldehyde													<0.5		
Endrin Ketone															
gamma-BHC	<0.08	<0.08	<0.8	<0.05	<0.2	<0.04	<0.04	0.46(NJB)	0.71(R)	0.12(R)	0.18(NJ)	0.072[EA]	<0.25	<0.01	<0.01
Gamma-Chlordane															
Heptachlor													<0.25		
Heptachlor epoxide													<0.25		
Methoxychlor													<2.5		
PCB 1016													<2.5		
PCB 1221													<2.5		
PCB 1232													<2.5		
PCB 1242													<2.5		
PCB 1248													<2.5		
PCB 1254													<5		
PCB 1260													<5		
Total BHC	<0.08	0.09	<0.8	<0.05	<0.2	<0.04	<0.04	1.5(NJB)	2.4(R)	0.48(R)	0.34(NJ)	0.19[EP]		0.08	0.07
Total DDT	<0.2	0.68	15[UT]	<0.05	<0.2	<0.4	<0.04	0.43(NJB)	1(R)[EP]	0.19(R)	0.55(NJ)	0.77		1.03	0.67
Toxaphene													<5		

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-03 88/04/21 BAC/ORG	BF-03 88/07/27 BAC/ORG	BF-03 88/10/14 ATI/SPT	BF-03 88/10/14 BAC/FD	BF-03 88/10/14 BAC/ORG	BF-03 89/02/08 BAC/ORG	BF-03 89/05/18 BAC/ORG	BF-03 89/10/28 BAC/ORG	BF-03 90/04/20 BAC/ORG	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-04 87/02/27 BAC/ORG	BF-04 87/04/02 BAC/FD	BF-04 87/04/02 BAC/LD	BF-04 87/04/02 BAC/ORG
2,4'-DDD	<0.2	<0.2	<0.06	<20	<10	<0.05(J)	<0.02	<0.2	<0.04	<0.1(J)	0.64(NJB)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)
2,4'-DDE	<0.1	<0.1	<0.06	<10	<5	<0.05(J)	<0.02	<0.04	<0.04	<0.1(J)	<0.1(J)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)
2,4'-DDT	<0.1	<0.1	0.074	<10	<5	<0.05(J)	<0.02	<0.2	<0.04	0.08(NJB)	0.5(NJB)	<0.2(R)	<0.2(R)	<0.2(R)	<0.2(R)
4,4'-DDD	0.29	<0.2	0.25	<20	<10	<0.05(J)	0.05	<0.2	0.2	0.08(NJB)	0.5(NJB)	<0.1(R)	1.2(R)	0.96(R)	1.5(R)
4,4'-DDE	<0.1	<0.1	<0.06	<10	<5	<0.05	<0.02	<0.04	<0.04	0.16(NJB)	<0.1(J)	<0.1(R)	<0.1(R)	<0.1(R)	<0.1(R)
4,4'-DDT	0.44	0.81	0.31	43[UT]	23[UT]	<0.05	0.04	0.14	0.1	<0.1(J)	0.7(NJB)	<0.2(R)	<0.2(R)	<0.2(R)	<0.2(R)
Aldrin			<0.15												
alpha-BHC	<0.08	<0.8	0.5	<8	<4	<0.05(J)	<0.02	<0.04	<0.2	5(NJB)	8.7(NJB)	<0.05(R)	<0.05(R)	<0.05(R)	<0.05(R)
Alpha-Chlordane															
alpha-Endosulfan			<0.15												
beta-BHC	<0.08	<0.08	<0.03	<8	<4	<0.05	<0.02	<0.04	<0.04	<0.1(J)	<0.1(J)	0.037(R)	0.25(R)	0.28(R)	0.34(R)
beta-Endosulfan			<0.3												
Chlordane			<1.5												
delta-BHC	<0.08	<0.08	<0.03	<8	<4	<0.05	<0.02	<0.04	<0.04	0.11(NJB)	0.2(NJB)	0.027(R)	1.3(R)	1.2(R)	1.4(R)
Dieldrin			<0.3												
Endosulfan 1			<0.15												
Endosulfan 2			<0.3												
Endosulfan sulfate			<0.3												
Endrin			<0.3												
Endrin aldehyde			<0.3												
Endrin Ketone															
gamma-BHC	<0.08	0.14	0.083	<8	<4	<0.05	<0.02	<0.04	<0.04	0.15(NJB)	0.3(NJB)	0.013(R)	0.28(R)[EP]	0.22(R)	0.32(R)[EP]
Gamma-Chlordane															
Heptachlor			<0.15												
Heptachlor epoxide			<0.15												
Methoxychlor			<1.5												
PCB 1016			<1.5												
PCB 1221			<1.5												
PCB 1232			<1.5												
PCB 1242			<1.5												
PCB 1248			<1.5												
PCB 1254			<1.5												
PCB 1260			<1.5												
Total BHC	<0.08	0.14	0.58	<8	<4	<0.05	<0.02	<0.04	<0.8	5.3(NJB)	7.2(NJB)	0.077(R)	1.8(R)	1.7(R)	2.1(R)
Total DDT	0.73	0.81	0.63	43[UT]	23[UT]	<0.05	0.09	0.14	0.3	0.32(NJB)	2.3(NJB)	<0.2(R)	1.2(R)[EP]	0.96(R)	1.5(R)[EP]
Toxaphene			<3												

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-04 87/11/18 BAC/ORG	BF-04 88/01/20 BAC/ORG	BF-04 88/04/21 ATI/SPT	BF-04 88/04/21 BAC/FD	BF-04 88/04/21 BAC/LD	BF-04 88/04/21 BAC/ORG	BF-04 88/07/27 BAC/ORG	BF-04 88/10/14 BAC/ORG	BF-04 89/02/08 BAC/ORG	BF-04 89/05/18 BAC/ORG	BF-04 89/10/28 BAC/ORG	BF-04 90/04/20 BAC/ORG	BF-04 90/11/28 BAC/ORG	BF-04 91/04/23 BAC/ORG	BF-04 91/11/19 APPL/SPT
2,4'-DDD	<0.1	<0.01	<5	0.59	1.1	0.9	<2	<200	<0.5	<0.2	0.85	<0.4	<0.4	<0.4	0.89
2,4'-DDE	<0.1	<0.01	<5	<0.1	<0.1	<0.1	<1	<1	<0.5(J)	<0.2	<0.04	<0.4	<0.4	<0.4	
2,4'-DDT	<0.2	<0.02	<5	<0.1	<0.1	<0.1	<10	<100	<0.5(J)	<0.2	<0.4	<0.4	<0.4	<0.4	0.09
4,4'-DDD	<0.1	0.4	<5	0.8	1.2	1.2	<20	<200	<0.5	0.5	<0.4	<0.4	<0.4	0.5	1
4,4'-DDE	<0.1	<0.01	<5	<0.1	<0.1	<0.1	<1	<1	<0.5	<0.2	<0.04	<0.4	<0.4	<0.4	<0.05
4,4'-DDT	<0.2	<0.02	<5	<0.1	<0.1	<0.1	<10	<100	<0.5	<0.2	<0.4	<0.4	<0.4	<0.4	<0.05
Aldrin			<2.5												<0.05
alpha-BHC	<0.05	<0.005	4.3	<0.08	<0.08	<0.08	<0.8	<0.8	<0.5(J)	<0.2	<0.4	<0.4	<0.4	<0.4	<0.05
Alpha-Chlordane															
alpha-Endosulfan			<2.5												0.43
beta-BHC	<0.1	<0.01	<2.5	<0.08	<0.08	<0.08	<0.8	<0.8	<0.5(J)	<0.2	<0.04	<0.4	<0.4	<0.4	<0.05
beta-Endosulfan			<5												<0.05
Chlordane			<25												<0.05
delta-BHC	<0.1	<0.01	<2.5	<0.08	<0.08	<0.08	<0.8	<0.8	<0.5	<0.2	<0.04	<0.4	<0.4	<0.4	<0.05
Dieldrin			<5												<0.05
Endosulfan 1			<2.5												0.43
Endosulfan 2			<5												<0.05
Endosulfan sulfate			<5												<0.05
Endrin			<5												<0.05
Endrin aldehyde			<5												<0.05
Endrin Ketone															<0.05
gamma-BHC	<0.1	<0.01	<2.5	<0.08	<0.08	<0.08	<0.8	<0.8	<0.5	<0.2	<0.04	<0.4	<0.4	<0.4	0.09
Gamma-Chlordane															
Heptachlor			<2.5												<0.05
Heptachlor epoxide			<2.5												<0.05
Methoxychlor			<25												<0.05
PCB 1016			<25												
PCB 1221			<25												
PCB 1232			<25												
PCB 1242			<25												
PCB 1248			<25												
PCB 1254			<50												
PCB 1260			<50												
Total BHC	<0.1	<0.01	4.3[UT]	<0.08	<0.08	<0.08	<0.8	<0.8	<0.5	<0.2	<0.04	<0.4	<0.4	<0.4	0.09
Total DDT	<0.2	0.4	<5	1.39	2.3	2.1	<20	<200	<0.5	0.5	0.85	<0.4	<0.4	0.5	1.98
Toxaphene			<50												<0.5

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-04 91/11/19 ATI/FD	BF-04 91/11/19 ATI/ORG	BF-05 89/02/02 BAC/ORG	BF-05 89/02/06 SWL/SEPA	BF-05 89/02/07 ATI/SPT	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG	BF-05 89/05/16 BAC/ORG	BF-05 89/10/25 ATI/SPT	BF-05 89/10/25 BAC/FD	BF-05 89/10/25 BAC/ORG	BF-05 90/04/18 BAC/ORG	BF-05 91/04/25 BAC/ORG	BF-05 91/11/21 ATI/ORG	BF-06 89/02/01 ATI/SPT
2,4'-DDD	0.97	0.97	<0.5(J)		<0.02	<0.05(J)	<0.05(J)	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
2,4'-DDE	<0.2	<0.2	<0.5		<0.02	<0.05	<0.05	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
2,4'-DDT	<0.2	<0.2	<0.5(J)		<0.02	<0.05(J)	<0.05(J)	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
4,4'-DDD	<0.2	<0.2	<0.5	<0.1	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
4,4'-DDE	<0.2	<0.2	<0.5	<0.1	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
4,4'-DDT	<0.2	<0.2	<0.5	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
Aldrin	<0.5	<0.5		<0.052	<0.05				<0.05					<0.05	<0.25
alpha-BHC	<0.1	<0.1	<0.5	<0.052	<0.01	<0.05	<0.05	<0.02(J)	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	0.26
Alpha-Chlordane				<0.52											
alpha-Endosulfan	<0.5	<0.5		<0.052	<0.05				<0.05					<0.05	<0.25
beta-BHC	<0.1	<0.1	<0.5(J)	<0.052	<0.01	<0.05(J)	<0.05(J)	<0.02	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	0.09
beta-Endosulfan	<1	<1		<0.1	<0.1				<0.1					<0.1	<0.5
Chlordane	<5	<5			<0.5				<0.5					<0.5	<2.5
delta-BHC	<0.1	<0.1	<0.5	<0.052	<0.01	<0.05	<0.05	<0.02	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.05
Dieldrin	<1	<1		<0.1	<0.1				<0.1					<0.1	<0.5
Endosulfan 1	<0.5	<0.5		<0.052	<0.05				<0.05					<0.05	<0.25
Endosulfan 2	<1	<1		<0.1	<0.1				<0.1					<0.1	<0.5
Endosulfan sulfate	<1	<1		<0.1	<0.1				<0.1					<0.1	<0.5
Endrin	<1	<1		<0.1	<0.1				<0.1					<0.1	<0.5
Endrin aldehyde					<0.1										<0.5
Endrin Ketone	<1	<1		<0.1					<0.1					<0.1	
gamma-BHC	0.11	0.1	<0.5	<0.052	<0.01	<0.05	<0.05	<0.02	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	0.38
Gamma-Chlordane				<0.52											
Heptachlor	<0.5	<0.5		<0.052	<0.05				<0.05					<0.05	<0.25
Heptachlor epoxide	<0.5	<0.5		<0.052	<0.05				<0.05					<0.05	<0.25
Methoxychlor	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1016	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1221	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1232	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1242	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1248	<5	<5		<0.52	<0.5				<0.5					<0.5	<2.5
PCB 1254	<5	<5		<1	<0.5				<0.5					<0.5	<2.5
PCB 1260	<5	<5		<1	<0.5				<0.5					<0.5	<2.5
Total BHC	0.11	0.1	<0.5		<0.01	<0.05	<0.05	<0.02	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	0.73
Total DDT	0.97	0.97	<0.5		<0.02	<0.05	<0.05	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.1
Toxaphene	<10	<10		<1	<1				<1					<1	<5

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-06 89/02/01 BAC/FD	BF-06 89/02/01 BAC/ORG	BF-06 89/02/08 BAC/ORG	BF-06 89/05/17 BAC/ORG	BF-06 89/10/25 BAC/ORG	BF-06 90/02/24 BAC/ORG	BF-06 90/04/21 BAC/ORG	BF-07 89/02/01 BAC/ORG	BF-07 89/02/09 BAC/ORG	BF-07 89/05/16 BAC/ORG	BF-07 89/10/24 BAC/ORG	BF-07 90/02/24 ATI/SPT	BF-07 90/02/24 BAC/FD	BF-07 90/02/24 BAC/ORG	BF-07 90/04/17 BAC/ORG
2,4'-DDD	<0.02(J)	<0.02(J)	<0.05(J)	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
2,4'-DDE	<0.02	<0.02	<0.05(J)	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
2,4'-DDT	<0.02	<0.02	<0.05(J)	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5(J)	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
4,4'-DDD	<0.02(J)	<0.02(J)	<0.05(J)	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5(J)	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
4,4'-DDE	<0.02(J)	<0.02(J)	<0.05	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
4,4'-DDT	<0.02(J)	<0.02(J)	<0.05	<0.02	<0.08	<0.04[E]	<0.2	<0.2(J)	<0.5	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
Aldrin												<0.25			
alpha-BHC	0.16[EA]	0.14[EA]	0.13(J)	0.13	0.09	0.13[E]	<0.2	<0.2[EA]	<0.5	<0.2	2.5	<0.05	<0.4[E]	<0.4[E]	<0.4
Alpha-Chlordane															
alpha-Endosulfan												<0.25			
beta-BHC	<0.02	<0.02	<0.05	0.17	<0.08	<0.04[E]	<0.2	<0.2	<0.5(J)	<0.2	<0.4	<0.05	0.1[E]	0.1[E]	<0.4
beta-Endosulfan												<0.5			
Chlordane												<2.5			
delta-BHC	<0.02	<0.02	<0.05	0.19	<0.08	<0.04[E]	0.2	<0.2	<0.5	<0.2	<0.4	<0.05	<0.04[E]	<0.04[E]	<0.4
Dieldrin												<0.5			
Endosulfan 1												<0.25			
Endosulfan 2												<0.5			
Endosulfan sulfate												<0.5			
Endrin												<0.5			
Endrin aldehyde															
Endrin Ketone												<0.5			
gamma-BHC	0.78	0.66	0.74	0.66	0.21	<0.04[E]	1	<0.2	<0.5	<0.2	<0.4	0.06	<0.04[E]	<0.04[E]	<0.4
Gamma-Chlordane															
Heptachlor												<0.25			
Heptachlor epoxide												<0.25			
Methoxychlor												<2.5			
PCB 1016												<2.5			
PCB 1221												<2.5			
PCB 1232												<2.5			
PCB 1242												<2.5			
PCB 1248												<2.5			
PCB 1254												<2.5			
PCB 1260												<2.5			
Total BHC	0.94	0.8	0.87	1.2	0.3	0.13[E]	1.2	<0.2	<0.5	<0.2	2.5	0.06	0.1[E]	0.1[E]	<0.4
Total DDT	<0.02	<0.02	<0.05	<0.02	<0.08	<0.04[E]	<0.2	<0.2	<0.5	<0.2	<0.4	<0.1	<0.04[E]	<0.04[E]	<0.4
Toxaphene												<5			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-07 91/04/25 BAC/ORG	BF-07 91/11/20 ATI/ORG	BF-08 89/01/30 BAC/ORG	BF-08 89/02/06 ATI/SPT	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG	BF-08 89/05/17 BAC/ORG	BF-08 89/10/24 BAC/ORG	BF-08 90/02/23 BAC/ORG	BF-08 90/04/18 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-09 89/02/02 BAC/ORG	BF-09 89/02/09 BAC/ORG	BF-09 89/05/18 ATI/SPT	BF-09 89/05/18 BAC/FD
2,4'-DDD	<0.04	<0.02	<0.05	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<0.04	<0.04	<0.5(J)	<0.5	5.4	<0.2
2,4'-DDE	<0.04	<0.02	<0.05	<0.02	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<0.04	<0.04	<0.5	<0.5	<0.4	<0.2
2,4'-DDT	<0.04	<0.02	<0.05(J)	0.025	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<0.04	<0.04	<0.5(J)	<0.5(J)	3.2	<0.2
4,4'-DDD	<0.04	<0.02	<0.05(J)	0.04	<0.05(J)	<0.05(J)	<0.02	<0.04	<0.04	<0.04	<0.04	4.2	<0.5(J)	10	3
4,4'-DDE	<0.04	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.04	<0.04	<0.04	<0.04	1	0.8	1.1	0.3
4,4'-DDT	<0.04	<0.02	<0.05	0.036	<0.05	<0.05	<0.02	<0.04	<0.04	<0.04	<0.04	7.4	6.7	1.9	0.6
Aldrin		<0.05		<0.05										<1	
alpha-BHC	<0.04	<0.01	<0.05	<0.01	<0.05(J)	<0.05(J)	0.06	<0.04	<0.04	<0.04	<0.04	13	14	<0.2	<0.2
Alpha-Chlordane															
alpha-Endosulfan		<0.05		<0.05										<1	
beta-BHC	<0.04	<0.01	<0.05	<0.01	<0.05	<0.05	<0.02	<0.04	<0.04	<0.04	<0.04	<0.5(J)	<0.5(J)	<0.2	<0.2
beta-Endosulfan		<0.1		<0.1										<2	
Chlordane		<0.5		<0.5										<10	
delta-BHC	<0.04	<0.01	<0.05	<0.01	<0.05	<0.05	<0.02	<0.04	<0.04	<0.04	<0.04	<0.5	1.4	<0.2	<0.2
Dieldrin		<0.1		<0.1										<2	
Endosulfan 1		<0.05		<0.05										<1	
Endosulfan 2		<0.1		<0.1										<2	
Endosulfan sulfate		<0.1		<0.1										<2	
Endrin		<0.1		<0.1										<2	
Endrin aldehyde				<0.1										<2	
Endrin Ketone		<0.1													
gamma-BHC	0.19	0.1	<0.05	0.018	<0.05	<0.05	0.06	<0.04	<0.04	<0.04	<0.04	<0.5	<0.5	<0.2	<0.2
Gamma-Chlordane															
Heptachlor		<0.05		<0.05										<1	
Heptachlor epoxide		<0.05		<0.05										<1	
Methoxychlor		<0.5		<0.5										<10	
PCB 1016		<0.5		<0.5										<10	
PCB 1221		<0.5		<0.5										<10	
PCB 1232		<0.5		<0.5										<10	
PCB 1242		<0.5		<0.5										<10	
PCB 1248		<0.5		<0.5										<10	
PCB 1254		<0.5		<0.5										<10	
PCB 1260		<0.5		<0.5										<10	
Total BHC	0.19	0.1	<0.05	0.018	<0.05	<0.05	0.12	<0.04	<0.04	<0.04	<0.04	13	15	<0.2	<0.2
Total DDT	<0.04	<0.02	<0.05	0.1	<0.05	<0.05	<0.02	<0.04	<0.04	<0.04	<0.04	13	7.5	22	3.9
Toxaphene		<1		<1										<20	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-09 89/05/18 BAC/ORG	BF-09 89/11/17 BAC/ORG	BF-09 90/02/24 BAC/ORG	BF-09 90/04/19 BAC/ORG
2,4'-DDD	<0.2	5	<0.8[E]	<2
2,4'-DDE	<0.2	<0.8	<0.8[E]	<2
2,4'-DDT	<0.2	<0.8	<0.8[E]	<2
4,4'-DDD	6.4	15	11[E]	5
4,4'-DDE	0.7	0.9	0.62[E]	<2
4,4'-DDT	1.3	<0.8	1.9[E]	<2
Aldrin				
alpha-BHC	<0.2	<0.8	<0.8[E]	<2[EA]
Alpha-Chlordane				
alpha-Endosulfan				
beta-BHC	<0.2	<0.8	<0.8[E]	<2
beta-Endosulfan				
Chlordane				
delta-BHC	<0.2	<0.8	<0.8[E]	<2
Dieldrin				
Endosulfan 1				
Endosulfan 2				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Endrin Ketone				
gamma-BHC	<0.2	<0.8	<0.8[E]	<2
Gamma-Chlordane				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
PCB 1016				
PCB 1221				
PCB 1232				
PCB 1242				
PCB 1248				
PCB 1254				
PCB 1260				
Total BHC	<0.2	<0.8	<0.8[E]	<2
Total DDT	8.4	21	14[E]	5
Toxaphene				

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-10 89/12/08 BAC/ORG	BF-10 89/12/19 BAC/ORG	BF-10 90/04/18 BAC/ORG	BF-11 89/12/07 BAC/ORG	BF-11 89/12/19 BAC/ORG	BF-11 90/04/17 ATI/SPT	BF-11 90/04/17 BAC/FD	BF-11 90/04/17 BAC/ORG	BF-11 90/08/04 BAC/ORG	BF-12 89/12/07 BAC/FD	BF-12 89/12/07 BAC/ORG	BF-12 89/12/19 BAC/ORG	BF-12 90/04/19 BAC/ORG	BF-13 89/11/06 ATI/SPT	BF-13 89/11/06 BAC/FD
2,4'-DDD	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDE	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDT	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDD	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDE	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDT	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Aldrin						<0.05								<0.05	
alpha-BHC	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04[EA]	<0.01	<0.04
alpha-Endosulfan						<0.05								<0.05	
beta-BHC	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
beta-Endosulfan						<0.1								<0.1	
Chlordane						<0.5								<0.5	
delta-BHC	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Dieldrin						<0.1								<0.1	
Endosulfan 1						<0.05								<0.05	
Endosulfan 2						<0.1								<0.1	
Endosulfan sulfate						<0.1								<0.1	
Endrin						<0.1								<0.1	
Endrin aldehyde															
Endrin Ketone						<0.1								<0.1	
gamma-BHC	<0.04	<0.04	<0.04	<0.04	<0.04	0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Heptachlor						<0.05								<0.05	
Heptachlor epoxide						<0.05								<0.05	
Methoxychlor						<0.5								<0.5	
PCB 1016						<0.5								<0.5	
PCB 1221						<0.5								<0.5	
PCB 1232						<0.5								<0.5	
PCB 1242						<0.5								<0.5	
PCB 1248						<0.5								<0.5	
PCB 1254						<0.5								<0.5	
PCB 1260						<0.5								<0.5	
Total BHC	<0.04	<0.04	<0.04	<0.04	<0.04	0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Total DDT	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Toxaphene						<1								<1	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-13 89/11/06 BAC/ORG	BF-13 89/11/16 BAC/ORG	BF-13 90/04/19 BAC/ORG	BF-14 89/10/26 ATI/SPT	BF-14 89/10/26 BAC/FD	BF-14 89/10/26 BAC/ORG	BF-14 89/11/15 BAC/ORG	BF-14 90/04/18 BAC/ORG	BF-15 89/10/26 BAC/ORG	BF-15 89/11/14 ATI/SPT	BF-15 89/11/14 BAC/FD	BF-15 89/11/14 BAC/ORG	BF-15 90/02/22 BAC/ORG	BF-15 90/04/17 BAC/ORG	BF-15 90/08/04 BAC/ORG
2,4'-DDD	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
2,4'-DDE	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
2,4'-DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
4,4'-DDD	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
4,4'-DDE	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
4,4'-DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Aldrin				<0.05						<0.05					
alpha-BHC	<0.04	<0.04	<0.04[EA]	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.4	<0.04	<0.04
alpha-Endosulfan				<0.05						<0.05					
beta-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	0.09	<0.04
beta-Endosulfan				<0.1						<0.1					
Chlordane				<0.5						<0.5					
delta-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04
Dieldrin				<0.1						<0.1					
Endosulfan 1				<0.05						<0.05					
Endosulfan 2				<0.1						<0.1					
Endosulfan sulfate				<0.1						<0.1					
Endrin				<0.1						<0.1					
Endrin aldehyde															
Endrin Ketone				<0.1						<0.1					
gamma-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	0.068	0.062	0.07	<0.04	<0.2	0.12	<0.04
Heptachlor				<0.05						<0.05					
Heptachlor epoxide				<0.05						<0.05					
Methoxychlor				<0.5						<0.5					
PCB 1016				<0.5						<0.5					
PCB 1221				<0.5						<0.5					
PCB 1232				<0.5						<0.5					
PCB 1242				<0.5						<0.5					
PCB 1248				<0.5						<0.5					
PCB 1254				<0.5						<0.5					
PCB 1260				<0.5						<0.5					
Total BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	0.068	0.062	0.07	<0.04	<0.2	0.21	<0.04
Total DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Toxaphene				<1						<1					

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-16 89/12/19 ATI/SPT	BF-16 89/12/19 BAC/FD	BF-16 89/12/19 BAC/ORG	BF-16 90/01/10 BAC/ORG	BF-16 90/04/17 BAC/ORG	BF-16 90/08/04 ATI/SPT	BF-16 90/08/04 BAC/FD	BF-16 90/08/04 BAC/ORG	BF-17 89/12/20 ATI/SPT	BF-17 89/12/20 BAC/FD	BF-17 89/12/20 BAC/ORG	BF-17 90/01/10 BAC/ORG	BF-17 90/04/19 BAC/ORG	BF-17 90/11/29 ATI/SPT	BF-17 90/11/29 BAC/FD
2,4'-DDD	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDE	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDT	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDD	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDE	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDT	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Aldrin	<0.055					<0.05			<0.065					<0.05	
alpha-BHC	<0.011	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.04	<0.04[EA]	<0.01	<0.04
alpha-Endosulfan	<0.055					<0.05			<0.065					<0.05	
beta-BHC	<0.011	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
beta-Endosulfan	<0.11					<0.1			<0.13					<0.1	
Chlordane	<0.55					<0.5			<0.65					<0.5	
delta-BHC	<0.011	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Dieldrin	<0.11					<0.1			<0.13					<0.1	
Endosulfan 1	<0.055					<0.05			<0.065					<0.05	
Endosulfan 2	<0.11					<0.1			<0.13					<0.1	
Endosulfan sulfate	<0.11					<0.1			<0.13					<0.1	
Endrin	<0.11					<0.1			<0.13					<0.1	
Endrin aldehyde															
Endrin Ketone	<0.11					<0.1			<0.13					<0.1	
gamma-BHC	<0.011	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Heptachlor	<0.055					<0.05			<0.065					<0.05	
Heptachlor epoxide	<0.055					<0.05			<0.065					<0.05	
Methoxychlor	<0.55					<0.5			<0.65					<0.5	
PCB 1016	<0.55					<0.5			<0.65					<0.5	
PCB 1221	<0.55					<0.5			<0.65					<0.5	
PCB 1232	<0.55					<0.5			<0.65					<0.5	
PCB 1242	<0.55					<0.5			<0.65					<0.5	
PCB 1248	<0.55					<0.5			<0.65					<0.5	
PCB 1254	<0.55					<0.5			<0.65					<0.5	
PCB 1260	<0.55					<0.5			<0.65					<0.5	
Total BHC	<0.011	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.013	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Total DDT	<0.022	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.026	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Toxaphene	<1.1					<1			<1.3					<1	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-17 90/11/29 BAC/ORG	BF-18 91/08/07 ATI/ORG	BF-18 91/10/10 ATI/ORG	BF-19 91/07/02 ATI/ORG	BF-19 91/10/09 ATI/ORG	BF-20 91/08/21 ATI/ORG	BF-20 91/10/11 APPL/SPT	BF-20 91/10/11 ATI/FD	BF-20 91/10/11 ATI/ORG	BF-21 91/05/30 ATI/ORG	BF-21 91/10/17 APPL/SPT	BF-21 91/10/17 ATI/FD	BF-21 91/10/17 ATI/ORG	BF-22 91/06/18 ATI/ORG	BF-22 91/10/16 APPL/SPT
2,4'-DDD	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1
2,4'-DDE	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	
2,4'-DDT	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1
4,4'-DDD	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1
4,4'-DDE	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1
4,4'-DDT	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.1
Aldrin		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
alpha-BHC	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.1
alpha-Endosulfan		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
beta-BHC	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.1
beta-Endosulfan		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Chlordane		<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.1
delta-BHC	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.1
Dieldrin		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Endosulfan 1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
Endosulfan 2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Endrin		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde							<0.05				<0.05				<0.1
Endrin Ketone		<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
gamma-BHC	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.1
Heptachlor		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
Heptachlor epoxide		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
Methoxychlor		<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.1
PCB 1016		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1221		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1232		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1242		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1248		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1254		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
PCB 1260		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	
Total BHC	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	
Total DDT	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	
Toxaphene		<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-22 91/10/16 ATI/FD	BF-22 91/10/16 ATI/ORG	BF-23 91/06/19 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/05/31 APPL/SPT	BF-24 91/05/31 ATI/FD	BF-24 91/05/31 ATI/ORG	BF-24 91/10/10 ATI/ORG	BF-25 91/07/02 ATI/ORG	BF-25 91/10/17 ATI/ORG	BF-26 91/09/09 ATI/ORG	BF-26 91/10/17 ATI/ORG	BF-27 91/07/25 ATI/ORG	BF-27 91/10/17 ATI/ORG	BF-28 91/07/25 ATI/ORG
2,4'-DDD	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDE	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDT	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDD	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDE	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDT	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.014
alpha-Endosulfan	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlordane	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
delta-BHC	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde					<0.05										
Endrin Ketone	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1016	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1221	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1232	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1242	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1248	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1254	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1260	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total BHC	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.014
Total DDT	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toxaphene	<1	<1	<1	<1	<0.05	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-28 91/10/16 ATI/ORG	BF-29 91/08/08 APPL/SPT	BF-29 91/08/08 ATI/FD	BF-29 91/08/08 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/08/21 ATI/ORG	BF-30 91/10/16 ATI/ORG	BF-31 91/08/23 ATI/ORG	BF-31 91/10/16 ATI/ORG	BF-32 91/10/02 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-33 91/09/10 ATI/ORG	BF-33 91/10/16 ATI/ORG
2,4'-DDD	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDE	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDT	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDD	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDE	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDT	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	0.029	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Endosulfan	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlordane	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
delta-BHC	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde		<0.05											
Endrin Ketone	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	0.017	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1016	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1221	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1232	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1242	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1248	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1254	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1260	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total BHC	0.049		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total DDT	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toxaphene	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-01 87/02/27 BAC/ORG	G-01 87/04/01 BAC/ORG	G-01 87/11/17 BAC/FD	G-01 87/11/17 BAC/LD	G-01 87/11/17 BAC/ORG	G-01 88/01/19 BAC/ORG	G-01 88/04/21 BAC/ORG	G-01 88/07/26 BAC/ORG	G-01 88/10/13 BAC/ORG	G-01 89/02/07 BAC/ORG	G-01 89/05/18 BAC/ORG	G-01 89/11/16 BAC/ORG	G-01 90/04/20 BAC/ORG
2,4'-DDD	<0.1(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<10	<0.05(J)	<0.02	<0.04	<0.04
2,4'-DDE	<0.1(R)	<0.01(J)	0.05(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<5	<0.05	<0.02	<0.04	<0.04
2,4'-DDT	<0.2(R)	<0.02(J)	0.1(R)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<5	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDD	<0.1(R)	0.04(NJ)	0.11(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	15[UT]	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDE	<0.1(R)	0.06(NJ)	<0.01(R)	<0.01(R)	0.12(NJ)	<0.01	0.06	0.063	<0.01	<0.1	<0.1	<5	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDT	<0.2(R)	0.03(NJ)	0.09(R)[EP]	<0.02(R)	0.063(NJ)	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	37[UT]	<0.05	<0.02	<0.04	<0.04
Aldrin																
alpha-BHC	<0.05(R)	<0.005(J)	<0.005(R)	<0.005(R)	<0.005(J)	<0.005	<0.005	<0.005	<0.005	<0.08	<0.08	<4	0.08	<0.02	<0.04	<0.04
Alpha-Chlordane																
alpha-Endosulfan																
beta-BHC	<0.1(R)	<0.01(J)	0.03(R)	<0.01(R)	<0.01(J)	<0.01	0.03[UB]	<0.01	<0.01	<0.08	<0.08	<4	<0.05(J)	<0.02	<0.04	<0.04
beta-Endosulfan																
Chlordane																
delta-BHC	<0.1(R)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	0.02[UB]	<0.01	<0.01	<0.08	<0.08	<4	<0.05	<0.02	<0.04	<0.04
Dieldrin																
Endosulfan 1																
Endosulfan 2																
Endosulfan sulfate																
Endrin																
Endrin aldehyde																
Endrin Ketone																
gamma-BHC	<0.1(R)	<0.01(J)	0.02(R)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.01	<0.01	<0.08	<0.08	<4	<0.05	<0.02	<0.04	<0.04
Gamma-Chlordane																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
PCB 1016																
PCB 1221																
PCB 1232																
PCB 1242																
PCB 1248																
PCB 1254																
PCB 1260																
Total BHC	<0.1(R)	<0.01(J)	0.05(R)	<0.01(R)	<0.01(J)	<0.01	0.05[UB]	<0.01	<0.01	<0.08	<0.08	<4	0.08	<0.02	<0.04	<0.04
Total DDT	<0.2(R)	0.13(NJ)	0.35(R)[EP]	<0.02(R)	0.18(NJ)	<0.02	<0.02	<0.02	<0.02	<0.2	<0.2	52[UT]	<0.05	<0.02	<0.04	<0.04
Toxaphene																

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-02 87/01/07 BAC/ORG	G-02 87/01/12 BAC/ORG	G-02 87/02/25 BAC/ORG	G-02 87/04/01 BAC/FD	G-02 87/04/01 BAC/LD	G-02 87/04/01 BAC/ORG	G-02 87/11/17 BAC/ORG	G-02 88/01/19 BAC/ORG	G-02 88/04/20 BAC/ORG	G-02 88/07/26 BAC/ORG	G-02 88/10/13 BAC/ORG	G-02 89/02/08 BAC/ORG	G-02 89/05/19 BAC/ORG	G-02 89/11/17 BAC/ORG	G-02 90/04/21 BAC/ORG	G-03 87/01/07 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.2	<0.2	<5	<0.05(J)	<0.02	<0.4	<0.04	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<2.5	<0.05(J)	<0.02	<0.4	<0.04	<0.01(J)
2,4'-DDT	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02	<0.02	<0.1	<0.1	<2.5	<0.05(J)	<0.02	<0.4	<0.04	<0.02(J)
4,4'-DDD	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.2	<0.2	<5	<0.05(J)	<0.02	<0.4	<0.04	<0.01(J)
4,4'-DDE	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<2.5	<0.05	<0.02	<0.4	0.06	<0.01(J)
4,4'-DDT	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02	<0.02	<0.1	<0.1	16[UT]	<0.05	0.03	<0.4	<0.04	<0.02(J)
Aldrin																
alpha-BHC	0.02(NJB)	<0.005(J)	<0.005(R)	<0.005(J)	<0.005(J)	<0.005(J)	<0.005	<0.005	<0.08	<0.08	<2	<0.05(J)	<0.02	<0.4	<0.04	0.02(NJB)
Alpha-Chlordane																
alpha-Endosulfan																
beta-BHC	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.08	<0.08	<2	<0.05	<0.02	<0.4	<0.04	<0.01(J)
beta-Endosulfan																
Chlordane																
delta-BHC	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.08	<0.08	<2	<0.05	<0.02	<0.4	<0.04	<0.01(J)
Dieldrin																
Endosulfan 1																
Endosulfan 2																
Endosulfan sulfate																
Endrin																
Endrin aldehyde																
Endrin Ketone																
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.08	<0.08	<2	<0.05	<0.02	0.82	<0.04	<0.01(J)
Gamma-Chlordane																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
PCB 1016																
PCB 1221																
PCB 1232																
PCB 1242																
PCB 1248																
PCB 1254																
PCB 1260																
Total BHC	0.02(NJB)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.08	<0.08	<2	<0.05	<0.02	0.82	<0.04	0.02(NJB)
Total DDT	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02(J)	<0.02(J)	<0.02	<0.02	<0.2	<0.2	16[UT]	<0.05	0.03	<0.4	0.06	<0.02(J)
Toxaphene																

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 87/01/13 BAC/LD	G-03 87/01/13 BAC/ORG	G-03 87/02/27 BAC/FD	G-03 87/02/27 BAC/LD	G-03 87/02/27 BAC/ORG	G-03 87/04/01 BAC/ORG	G-03 87/11/16 BAC/ORG	G-03 88/01/19 ATI/SPT	G-03 88/01/19 BAC/FD	G-03 88/01/19 BAC/LD	G-03 88/01/19 BAC/ORG	G-03 88/04/20 BAC/ORG	G-03 88/07/25 ATI/SPT	G-03 88/07/25 BAC/FD	G-03 88/07/25 BAC/ORG	G-03 88/10/13 BAC/ORG
2,4'-DDD	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.1	<0.01	<0.01	<0.01	<0.2	<0.1	<0.2	<0.2	<2
2,4'-DDE	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<1
2,4'-DDT	<0.02(R)	<0.02(R)	<0.02(R)	<0.02	<0.02(R)	<0.02(J)	<0.02	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<1
4,4'-DDD	<0.01(R)	<0.01(R)	0.15(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.1	<0.01	<0.01	<0.01	<0.2	<0.1	<0.2	<0.2	<2
4,4'-DDE	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<1
4,4'-DDT	0.08(R)	0.14(R)[EP]	0.052(R)	<0.02	<0.02(R)	<0.02(J)	<0.02	<0.1	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	7[UT]
Aldrin								<0.05					<0.05			
alpha-BHC	<0.005(R)	<0.005(R)	<0.005(R)	<0.005	<0.005(R)	<0.005(J)	<0.005	<0.05	<0.005	<0.005	<0.005	<0.08	<0.05	<0.08	<0.08	<0.8
Alpha-Chlordane																
alpha-Endosulfan								<0.05					<0.05			
beta-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<0.8
beta-Endosulfan								<0.1					<0.1			
Chlordane								<0.5					<0.5			
delta-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<0.8
Dieldrin								<0.1					<0.1			
Endosulfan 1								<0.05					<0.05			
Endosulfan 2								<0.1					<0.1			
Endosulfan sulfate								<0.1					<0.1			
Endrin								<0.1					<0.1			
Endrin aldehyde								<0.1					<0.1			
Endrin Ketone																
gamma-BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01	<0.05	<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<0.8
Gamma-Chlordane																
Heptachlor								<0.05					<0.05			
Heptachlor epoxide								<0.05					<0.05			
Methoxychlor								<0.5					<0.5			
PCB 1016								<0.5					<0.5			
PCB 1221								<0.5					<0.5			
PCB 1232								<0.5					<0.5			
PCB 1242								<0.5					<0.5			
PCB 1248								<0.5					<0.5			
PCB 1254								<1					<1			
PCB 1260								<1					<1			
Total BHC	<0.01(R)	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(J)	<0.01		<0.01	<0.01	<0.01	<0.08	<0.05	<0.08	<0.08	<0.8
Total DDT	0.08(R)	0.14(R)[EP]	0.2(R)	<0.02	<0.02(R)	<0.02(J)	<0.02		<0.02	<0.02	<0.02	<0.2	<0.1	<0.2	<0.2	7[UT]
Toxaphene								<1					<1			

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 89/02/08 BAC/ORG	G-03 89/05/18 BAC/ORG	G-03 89/10/28 BAC/ORG	G-03 90/04/19 BAC/ORG	G-04 89/02/02 BAC/ORG	G-04 89/02/07 BAC/ORG	G-04 89/05/16 BAC/ORG	G-04 89/10/25 BAC/ORG	G-04 90/02/24 BAC/ORG	G-04 90/04/18 BAC/ORG	G-04 91/11/21 APPL/SPT	G-04 91/11/21 ATI/FD	G-04 91/11/21 ATI/ORG	G-05 89/02/01 BAC/ORG	G-05 89/02/08 ATI/SPT	G-05 89/02/08 BAC/FD
2,4'-DDD	<0.05(J)	<0.02	<0.04	<0.04	<0.5(J)	<0.05(J)	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02(J)	<0.02	<0.05(J)
2,4'-DDE	<0.05(J)	<0.02	<0.04	<0.04	<0.5	<0.05	<0.02	<0.04	<0.04[E]	<0.04		<0.02	<0.02	<0.02	<0.02	<0.05(J)
2,4'-DDT	<0.05(J)	<0.02	<0.04	<0.04	<0.5(J)	<0.05(J)	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02	<0.02	<0.05(J)
4,4'-DDD	<0.05(J)	<0.02	<0.04	<0.04	<0.5	<0.05(J)	0.03	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02(J)	<0.02	<0.05(J)
4,4'-DDE	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05(J)	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02(J)	<0.02	<0.05
4,4'-DDT	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05	0.04	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02(J)	<0.02	<0.05
Aldrin											<0.05	<0.05	<0.05		<0.05	
alpha-BHC	<0.05(J)	<0.02	<0.04	<0.04[EA]	<0.5	<0.05	<0.02(J)	<0.04	<0.04[E]	<0.04	<0.05	<0.01	<0.01	<0.02[EA]	<0.01	<0.05(J)
Alpha-Chlordane																
alpha-Endosulfan											<0.05	<0.05	<0.05		<0.05	
beta-BHC	<0.05	<0.02	<0.04	<0.04	<0.5(J)	<0.05(J)	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.01	<0.01	<0.02	<0.01	<0.05
beta-Endosulfan											<0.05	<0.1	<0.1		<0.1	
Chlordane											<0.05	<0.5	<0.5		<0.5	
delta-BHC	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.01	<0.01	<0.02	<0.01	<0.05
Dieldrin											<0.05	<0.1	<0.1		<0.1	
Endosulfan 1											<0.05	<0.05	<0.05		<0.05	
Endosulfan 2											<0.05	<0.1	<0.1		<0.1	
Endosulfan sulfate											<0.05	<0.1	<0.1		<0.1	
Endrin											<0.05	<0.1	<0.1		<0.1	
Endrin aldehyde											<0.05				<0.1	
Endrin Ketone											<0.05	<0.1	<0.1			
gamma-BHC	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.01	<0.01	<0.02	<0.01	<0.05
Gamma-Chlordane																
Heptachlor											<0.05	<0.05	<0.05		<0.05	
Heptachlor epoxide											<0.05	<0.05	<0.05		<0.05	
Methoxychlor											<0.05	<0.5	<0.5		<0.5	
PCB 1016												<0.5	<0.5		<0.5	
PCB 1221												<0.5	<0.5		<0.5	
PCB 1232												<0.5	<0.5		<0.5	
PCB 1242												<0.5	<0.5		<0.5	
PCB 1248												<0.5	<0.5		<0.5	
PCB 1254												<0.5	<0.5		<0.5	
PCB 1260												<0.5	<0.5		<0.5	
Total BHC	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05	<0.02	<0.04	<0.04[E]	<0.04	<0.05	<0.01	<0.01	<0.02	<0.01	<0.05
Total DDT	<0.05	<0.02	<0.04	<0.04	<0.5	<0.05	0.07	<0.04	<0.04[E]	<0.04	<0.05	<0.02	<0.02	<0.02	<0.02	<0.05
Toxaphene											<0.5	<1	<1		<1	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-05 89/02/08 BAC/ORG	G-05 89/05/17 BAC/ORG	G-05 89/10/25 BAC/ORG	G-05 90/04/21 ATI/SPT	G-05 90/04/21 BAC/FD	G-05 90/04/21 BAC/ORG	G-06 89/02/01 BAC/ORG	G-06 89/02/09 BAC/ORG	G-06 89/05/16 BAC/ORG	G-06 89/10/24 BAC/ORG	G-06 90/04/18 BAC/ORG	G-07 89/01/30 ATI/SPT	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/02/06 SWL/SEPA
2,4'-DDD	<0.05(J)	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02(J)	<0.05	<0.02	<0.04	<0.04	0.24	<0.05	<0.05	<0.05(J)	
2,4'-DDE	<0.05(J)	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02	<0.05	<0.02	<0.04	<0.04	<0.02	<0.05	<0.05	<0.05(J)	
2,4'-DDT	<0.05(J)	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02	<0.05(J)	<0.02	<0.04	<0.04	0.043	<0.05(J)	<0.05(J)	<0.05(J)	
4,4'-DDD	<0.05(J)	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02(J)	<0.05(J)	<0.02	<0.04	<0.04	0.42	0.46(J)	0.45(J)	<0.05(J)	0.67
4,4'-DDE	<0.05	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02(J)	<0.05	<0.02	<0.04	<0.04	<0.02	<0.05	<0.05	<0.05	<0.1
4,4'-DDT	<0.05	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02(J)	<0.05	<0.02	<0.04	<0.04	0.086	0.08	0.05	<0.05	<0.1
Aldrin				<0.05								<0.05				<0.05
alpha-BHC	<0.05(J)	<0.02	<0.04	<0.01	<0.04[EA]	<0.04[EA]	<0.02[EA]	<0.05	<0.02	<0.04	<0.04	<0.01	<0.05	<0.05	<0.05(J)	<0.05
Alpha-Chlordane																<0.5
alpha-Endosulfan				<0.05								<0.05				<0.05
beta-BHC	<0.05	<0.02	<0.04	<0.01	<0.04	<0.04	<0.02	<0.05(J)	<0.02	<0.04	<0.04	<0.01	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan				<0.1								<0.1				<0.1
Chlordane				<0.5								<0.5				
delta-BHC	<0.05	<0.02	<0.04	<0.01	<0.04	<0.04	<0.02	<0.05	<0.02	<0.04	<0.04	<0.01	<0.05	<0.05	<0.05	<0.05
Dieldrin				<0.1								<0.1				<0.1
Endosulfan 1				<0.05								<0.05				<0.05
Endosulfan 2				<0.1								<0.1				<0.1
Endosulfan sulfate				<0.1								<0.1				<0.1
Endrin				<0.1								<0.1				<0.1
Endrin aldehyde												<0.1				
Endrin Ketone				<0.1												<0.1
gamma-BHC	<0.05	<0.02	<0.04	<0.01	<0.04	<0.04	<0.02	<0.05	<0.02	<0.04	<0.04	<0.01	<0.05	<0.05	<0.05	<0.05
Gamma-Chlordane																<0.5
Heptachlor				<0.05								<0.05				<0.05
Heptachlor epoxide				<0.05								<0.05				<0.05
Methoxychlor				<0.5								<0.5				<0.5
PCB 1016				<0.5								<0.5				<0.5
PCB 1221				<0.5								<0.5				<0.5
PCB 1232				<0.5								<0.5				<0.5
PCB 1242				<0.5								<0.5				<0.5
PCB 1248				<0.5								<0.5				<0.5
PCB 1254				<0.5								<0.5				<1
PCB 1260				<0.5								<0.5				<1
Total BHC	<0.05	<0.02	<0.04	<0.01	<0.04	<0.04	<0.02	<0.05	<0.02	<0.04	<0.04	<0.01	<0.05	<0.05	<0.05	
Total DDT	<0.05	<0.02	<0.04	<0.02	<0.04	<0.04	<0.02	<0.05	<0.02	<0.04	<0.04	0.79	0.54	0.5	<0.05	
Toxaphene				<1								<1				<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-07 89/05/17 BAC/ORG	G-07 89/10/24 BAC/ORG	G-07 90/02/23 BAC/ORG	G-07 90/04/18 BAC/ORG	G-08 89/12/20 BAC/ORG	G-08 90/01/10 ATI/SPT	G-08 90/01/10 BAC/FD	G-08 90/01/10 BAC/ORG	G-08 90/04/17 BAC/ORG	G-09 89/12/08 BAC/ORG	G-09 89/12/19 BAC/ORG	G-09 90/04/18 BAC/ORG	G-09 90/08/05 ATI/SPT	G-09 90/08/05 BAC/FD	G-09 90/08/05 BAC/ORG	G-10 91/08/08 ATI/ORG
2,4'-DDD	<0.02	0.06	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
2,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
2,4'-DDT	<0.02	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
4,4'-DDD	0.26	0.13	0.14	0.09	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
4,4'-DDE	<0.02	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
4,4'-DDT	0.07(J)	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
Aldrin						<0.054							<0.55			<0.05
alpha-BHC	<0.02	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01
Alpha-Chlordane																
alpha-Endosulfan						<0.054							<0.055			<0.05
beta-BHC	<0.02	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01
beta-Endosulfan						<0.11							<0.11			<0.1
Chlordane						<0.54							<0.55			<0.5
delta-BHC	<0.02	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01
Dieldrin						<0.11							<0.11			<0.1
Endosulfan 1						<0.054							<0.055			<0.05
Endosulfan 2						<0.11							<0.11			<0.1
Endosulfan sulfate						<0.11							<0.11			<0.1
Endrin						<0.11							<0.11			<0.1
Endrin aldehyde																
Endrin Ketone						<0.11							<0.11			<0.1
gamma-BHC	<0.02	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01
Gamma-Chlordane																
Heptachlor						<0.054							<0.055			<0.05
Heptachlor epoxide						<0.054							<0.055			<0.05
Methoxychlor						<0.54							<0.55			<0.5
PCB 1016						<0.54							<0.55			<0.5
PCB 1221						<0.54							<0.55			<0.5
PCB 1232						<0.54							<0.55			<0.5
PCB 1242						<0.54							<0.55			<0.5
PCB 1248						<0.54							<0.55			<0.5
PCB 1254						<0.54							<0.55			<0.5
PCB 1260						<0.54							<0.55			<0.5
Total BHC	<0.02	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.011	<0.04	<0.04	<0.01
Total DDT	0.33	0.19	0.14	0.09	<0.04	<0.022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.022	<0.04	<0.04	<0.02
Toxaphene						<1.1							<1.1			<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-10 91/10/10 ATI/ORG	G-11 89/11/08 BAC/ORG	G-11 89/11/16 BAC/ORG	G-11 90/02/23 ATI/SPT	G-11 90/02/23 BAC/FD	G-11 90/02/23 BAC/ORG	G-11 90/04/19 BAC/ORG	G-11 90/08/06 BAC/ORG	G-12 89/10/27 ATI/SPT	G-12 89/10/27 BAC/FD	G-12 89/10/27 BAC/ORG	G-12 89/11/15 BAC/ORG	G-12 90/04/19 BAC/ORG	G-13 89/10/26 BAC/ORG	G-13 89/11/15 ATI/SPT	G-13 89/11/15 BAC/FD
2,4'-DDD	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
2,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDD	<0.02	<0.04	<0.04	<0.02	0.31	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDE	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
4,4'-DDT	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Aldrin	<0.05			<0.05					<0.05						<0.05	
alpha-BHC	<0.01	<0.04	<0.04	<0.01	0.04	<0.04	<0.04[EA]	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04[EA]	<0.04	<0.01	<0.04
Alpha-Chlordane																
alpha-Endosulfan	<0.05			<0.05					<0.05						<0.05	
beta-BHC	<0.01	<0.04	0.2	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
beta-Endosulfan	<0.1			<0.1					<0.1						<0.1	
Chlordane	<0.5			<0.5					<0.5						<0.5	
delta-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Dieldrin	<0.1			<0.1					<0.1						<0.1	
Endosulfan 1	<0.05			<0.05					<0.05						<0.05	
Endosulfan 2	<0.1			<0.1					<0.1						<0.1	
Endosulfan sulfate	<0.1			<0.1					<0.1						<0.1	
Endrin	<0.1			<0.1					<0.1						<0.1	
Endrin aldehyde																
Endrin Ketone	<0.1			<0.1					<0.1						<0.1	
gamma-BHC	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04[EA]	<0.04[EA]	<0.04	<0.04	<0.04	<0.01	<0.04
Gamma-Chlordane																
Heptachlor	<0.05			<0.05					<0.05						<0.05	
Heptachlor epoxide	<0.05			<0.05					<0.05						<0.05	
Methoxychlor	<0.5			<0.5					<0.5						<0.5	
PCB 1016	<0.5			<0.5					<0.5						<0.5	
PCB 1221	<0.5			<0.5					<0.5						<0.5	
PCB 1232	<0.5			<0.5					<0.5						<0.5	
PCB 1242	<0.5			<0.5					<0.5						<0.5	
PCB 1248	<0.5			<0.5					<0.5						<0.5	
PCB 1254	<0.5			<0.5					<0.5						<0.5	
PCB 1260	<0.5			<0.5					<0.5						<0.5	
Total BHC	<0.01	<0.04	0.2	<0.01	0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
Total DDT	<0.02	<0.04	<0.04	<0.02	0.31[UT]	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.02	<0.04
Toxaphene	<1			<1					<1						<1	

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-13 89/11/15 BAC/ORG	G-13 90/04/19 BAC/ORG	G-13 90/11/30 ATI/SPT	G-13 90/11/30 BAC/FD	G-13 90/11/30 BAC/ORG	G-14 91/09/24 ATI/ORG	G-14 91/10/09 ATI/ORG	G-15 91/08/22 ATI/ORG	G-15 91/10/08 ATI/ORG	G-16 91/06/19 ATI/ORG	G-16 91/10/17 ATI/ORG	G-17 91/07/03 ATI/ORG	G-17 91/10/11 ATI/ORG	G-18 91/06/03 ATI/ORG	G-18 91/10/16 ATI/ORG	G-19 91/07/26 ATI/ORG
2,4'-DDD	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
2,4'-DDE	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
2,4'-DDT	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
4,4'-DDD	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
4,4'-DDE	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
4,4'-DDT	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
Aldrin			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[E]	<0.05
alpha-BHC	<0.04	<0.04[EA]	<0.01	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01[E]	<0.01
Alpha-Chlordane																
alpha-Endosulfan			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[E]	<0.05
beta-BHC	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01[E]	<0.01
beta-Endosulfan			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
Chlordane			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
delta-BHC	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01[E]	<0.01
Dieldrin			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
Endosulfan 1			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[E]	<0.05
Endosulfan 2			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
Endosulfan sulfate			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
Endrin			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
Endrin aldehyde																
Endrin Ketone			<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1[E]	<0.1
gamma-BHC	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01[E]	<0.01
Gamma-Chlordane																
Heptachlor			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[E]	<0.05
Heptachlor epoxide			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[E]	<0.05
Methoxychlor			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1016			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1221			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1232			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1242			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1248			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1254			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
PCB 1260			<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[E]	<0.5
Total BHC	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01[E]	<0.01
Total DDT	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02[E]	<0.02
Toxaphene			<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1[E]	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-19 91/10/10 APPL/SPT	G-19 91/10/10 ATI/FD	G-19 91/10/10 ATI/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LG-01 87/02/26 BAC/ORG	LG-01 87/03/31 BAC/ORG	LG-01 87/11/17 BAC/ORG	LG-01 88/01/19 BAC/ORG	LG-01 88/04/20 ATI/SPT	LG-01 88/04/20 BAC/FD	LG-01 88/04/20 BAC/LD	LG-01 88/04/20 BAC/ORG	LG-01 88/07/26 BAC/ORG	LG-01 88/10/13 BAC/ORG
2,4'-DDD	<0.05	<0.02	<0.02	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.2	<0.2	<0.2	<0.2	<10
2,4'-DDE		<0.02	<0.02	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<5
2,4'-DDT	<0.05	<0.02	<0.02	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<5
4,4'-DDD	<0.05	<0.02	<0.02	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.2	<0.2	<0.2	<0.2	<10
4,4'-DDE	<0.05	<0.02	<0.02	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<5
4,4'-DDT	0.07	<0.02	<0.02	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.1	<0.1	1.7	<0.1	<0.1	13[UT]
Aldrin	<0.05	<0.05	<0.05								<0.05					
alpha-BHC	<0.05	<0.01	<0.01	<0.005(J)	0.02(NJ)	0.01(NJ)	<0.005(R)	<0.005(J)	<0.005	<0.005	<0.05	<0.08	<0.08	<0.08	<0.08	<4
Alpha-Chlordane																
alpha-Endosulfan	<0.05	<0.05	<0.05								<0.05					
beta-BHC	<0.05	<0.01	<0.01	<0.01(J)	0.04(NJ)	0.02(NJ)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.08	<4
beta-Endosulfan	<0.05	<0.1	<0.1								<0.1					
Chlordane	<0.05	<0.5	<0.5								<0.5					
delta-BHC	<0.05	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	0.02[UB]	<0.01	<0.05	<0.08	<0.08	<0.08	<0.08	<4
Dieldrin	<0.05	<0.1	<0.1								<0.1					
Endosulfan 1	<0.05	<0.05	<0.05								<0.05					
Endosulfan 2	<0.05	<0.1	<0.1								<0.1					
Endosulfan sulfate	<0.05	<0.1	<0.1								<0.1					
Endrin	<0.05	<0.1	<0.1								<0.1					
Endrin aldehyde	<0.05										<0.1					
Endrin Ketone	<0.05	<0.1	<0.1													
gamma-BHC	<0.05	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(J)	<0.01	<0.01	<0.05	<0.08	<0.08	<0.08	<0.08	<4
Gamma-Chlordane																
Heptachlor	<0.05	<0.05	<0.05								<0.05					
Heptachlor epoxide	<0.05	<0.05	<0.05								<0.05					
Methoxychlor	<0.05	<0.5	<0.5								<0.5					
PCB 1016		<0.5	<0.5								<0.5					
PCB 1221		<0.5	<0.5								<0.5					
PCB 1232		<0.5	<0.5								<0.5					
PCB 1242		<0.5	<0.5								<0.5					
PCB 1248		<0.5	<0.5								<0.5					
PCB 1254		<0.5	<0.5								<1					
PCB 1260		<0.5	<0.5								<1					
Total BHC		<0.01	<0.01	<0.01(J)	0.06(NJ)	0.03(NJ)	<0.01(R)	<0.01(J)	0.02[UB]	<0.01	<0.05	<0.08	<0.08	<0.08	<0.08	<4
Total DDT		<0.02	<0.02	<0.02(J)	<0.02(J)	<0.02(J)	<0.02(R)	<0.02(J)	<0.02	<0.02	<0.1	<0.2	1.7	<0.2	<0.2	13[UT]
Toxaphene	<0.5	<1	<1								<1					

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LG-01 89/02/08 BAC/ORG	LG-01 89/05/19 BAC/ORG	LG-01 90/08/03 ATI/SPT	LG-01 90/08/03 BAC/ORG	LG-02 89/02/02 ATI/SPT	LG-02 89/02/02 BAC/FD	LG-02 89/02/02 BAC/ORG	LG-02 89/02/09 BAC/ORG	LG-02 89/05/19 BAC/ORG	LG-02 89/11/17 BAC/ORG	LG-02 90/04/19 BAC/ORG
2,4'-DDD	<0.05(J)	<0.02	<0.02	<0.04	0.03	<0.5(J)	<0.5(J)	<0.05	<0.02	<0.04	<0.04
2,4'-DDE	<0.05(J)	<0.02	<0.02	<0.04	<0.02	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04
2,4'-DDT	<0.05(J)	<0.02	<0.02	<0.04	<0.02	<0.5(J)	<0.5(J)	<0.05(J)	<0.02	<0.04	<0.04
4,4'-DDD	<0.05(J)	0.02	<0.02	<0.04	0.052	<0.5	<0.5	<0.05(J)	0.04	<0.04	<0.04
4,4'-DDE	<0.05	<0.02	<0.02	<0.04	<0.02	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04
4,4'-DDT	<0.05	0.06	<0.02	<0.04	<0.02	<0.5	<0.5	<0.05	0.04	<0.04	<0.04
Aldrin			<0.05		<0.05						
alpha-BHC	<0.05(J)	<0.02	<0.01	<0.04	<0.01	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04[EA]
Alpha-Chlordane											
alpha-Endosulfan			<0.05		<0.05						
beta-BHC	<0.05	<0.02	<0.01	<0.04	<0.01	<0.5(J)	<0.5(J)	<0.05(J)	<0.02	<0.04	<0.04
beta-Endosulfan			<0.1		<0.1						
Chlordane			<0.5		<0.5						
delta-BHC	<0.05	<0.02	<0.01	<0.04	<0.01	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04
Dieldrin			<0.1		<0.1						
Endosulfan 1			<0.05		<0.05						
Endosulfan 2			<0.1		<0.1						
Endosulfan sulfate			<0.1		<0.1						
Endrin			<0.1		<0.1						
Endrin aldehyde					<0.1						
Endrin Ketone			<0.1								
gamma-BHC	<0.05	<0.02	<0.01	<0.04	<0.01	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04
Gamma-Chlordane											
Heptachlor			<0.05		<0.05						
Heptachlor epoxide			<0.05		<0.05						
Methoxychlor			<0.5		<0.5						
PCB 1016			<0.5		<0.5						
PCB 1221			<0.5		<0.5						
PCB 1232			<0.5		<0.5						
PCB 1242			<0.5		<0.5						
PCB 1248			<0.5		<0.5						
PCB 1254			<0.5		<0.5						
PCB 1260			<0.5		<0.5						
Total BHC	<0.05	<0.02	<0.01	<0.04	<0.01	<0.5	<0.5	<0.05	<0.02	<0.04	<0.04
Total DDT	<0.05	0.08	<0.02	<0.04	0.082	<0.5	<0.5	<0.05	0.08	<0.04	<0.04
Toxaphene			<1		<1						

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 89/10/25 BAC/ORG	LW-01 89/11/17 ATI/SPT	LW-01 89/11/17 BAC/FD	LW-01 89/11/17 BAC/ORG	LW-01 90/02/25 ATI/SPT	LW-01 90/02/25 BAC/FD	LW-01 90/02/25 BAC/ORG	LW-01 90/04/19 ATI/SPT	LW-01 90/04/19 BAC/FD	LW-01 90/04/19 BAC/ORG	LW-01 90/08/04 BAC/ORG	LW-01 90/12/01 ATI/SPT	LW-01 90/12/01 BAC/FD	LW-01 90/12/01 BAC/ORG	LW-01 91/04/23 BAC/ORG	LW-01 91/11/21 ATI/ORG
2,4'-DDD	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02
2,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02
2,4'-DDT	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02
4,4'-DDD	0.046	0.027	<0.04	<0.04	<0.02	<0.04	<0.04	0.027	<0.04	<0.04	<0.04	0.029	<0.04	<0.04	<0.04	<0.02
4,4'-DDE	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02
4,4'-DDT	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.02
Aldrin		<0.05			<0.05			<0.05				<0.05				<0.05
alpha-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04[EA]	<0.04[EA]	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01
alpha-Endosulfan		<0.05			<0.05			<0.05				<0.05				<0.05
beta-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01
beta-Endosulfan		<0.1			<0.1			<0.1				<0.1				<0.1
Chlordane		<0.5			<0.5			<0.5				<0.5				<0.5
delta-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01
Dieldrin		<0.1			<0.1			<0.1				<0.1				<0.1
Endosulfan 1		<0.05			<0.05			<0.05				<0.05				<0.05
Endosulfan 2		<0.1			<0.1			<0.1				<0.1				<0.1
Endosulfan sulfate		<0.1			<0.1			<0.1				<0.1				<0.1
Endrin		<0.1			<0.1			<0.1				<0.1				<0.1
Endrin aldehyde																
Endrin Ketone		<0.1			<0.1			<0.1				<0.1				<0.1
gamma-BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01
Heptachlor		<0.05			<0.05			<0.05				<0.05				<0.05
Heptachlor epoxide		<0.05			<0.05			<0.05				<0.05				<0.05
Methoxychlor		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1016		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1221		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1232		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1242		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1248		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1254		<0.5			<0.5			<0.5				<0.5				<0.5
PCB 1260		<0.5			<0.5			<0.5				<0.5				<0.5
Total BHC	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.01
Total DDT	0.046	0.027	<0.04	<0.04	<0.02	<0.04	<0.04	0.027	<0.04	<0.04	<0.04	0.029	<0.04	<0.04	<0.04	<0.02
Toxaphene		<1			<1			<1				<1				<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-02 89/10/26 BAC/ORG	LW-02 89/11/16 BAC/ORG	LW-02 90/04/21 BAC/ORG	LW-02 90/12/02 ATI/SPT	LW-02 90/12/02 BAC/FD	LW-02 90/12/02 BAC/ORG	LW-03 89/12/08 ATI/SPT	LW-03 89/12/08 BAC/FD	LW-03 89/12/08 BAC/ORG	LW-03 89/12/20 BAC/ORG	LW-03 90/04/20 BAC/ORG	LW-04 91/09/10 ATI/ORG	LW-04 91/10/11 ATI/ORG	LW-05 91/09/25 ATI/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/09/26 ATI/ORG
2,4'-DDD	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDE	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
2,4'-DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDD	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDE	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
4,4'-DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
Aldrin				<0.05			<0.05					<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.04	<0.04	<0.04[EA]	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Endosulfan				<0.05			<0.05					<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Chlordane				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
delta-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan 1				<0.05			<0.05					<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Endrin				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde																
Endrin Ketone				<0.1			<0.1					<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor				<0.05			<0.05					<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide				<0.05			<0.05					<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1016				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1221				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1232				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1242				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1248				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1254				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
PCB 1260				<0.5			<0.5					<0.5	<0.5	<0.5	<0.5	<0.5
Total BHC	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Total DDT	<0.04	<0.04	<0.04	<0.02	<0.04	<0.04	<0.02	<0.04	<0.04	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
Toxaphene				<1			<1					<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-06 91/10/08 APPL/SPT	LW-06 91/10/08 ATI/FD	LW-06 91/10/08 ATI/ORG	LW-07 91/09/25 ATI/ORG	LW-07 91/10/17 ATI/ORG
2,4'-DDD	<0.05	<0.02	<0.02	<0.02	<0.02
2,4'-DDE		<0.02	<0.02	<0.02	<0.02
2,4'-DDT	<0.05	<0.02	<0.02	<0.02	<0.02
4,4'-DDD	<0.05	<0.02	<0.02	<0.02	<0.02
4,4'-DDE	<0.05	<0.02	<0.02	<0.02	<0.02
4,4'-DDT	<0.05	<0.02	<0.02	<0.02	<0.02
Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	<0.05	<0.01	<0.01	<0.01	<0.01
alpha-Endosulfan	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	<0.05	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.05	<0.1	<0.1	<0.1	<0.1
Chlordane	<0.05	<0.5	<0.5	<0.5	<0.5
delta-BHC	<0.05	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.05	<0.1	<0.1	<0.1	<0.1
Endosulfan 1	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan 2	<0.05	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate	<0.05	<0.1	<0.1	<0.1	<0.1
Endrin	<0.05	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	<0.05				
Endrin Ketone	<0.05	<0.1	<0.1	<0.1	<0.1
gamma-BHC	<0.05	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	<0.05	<0.5	<0.5	<0.5	<0.5
PCB 1016		<0.5	<0.5	<0.5	<0.5
PCB 1221		<0.5	<0.5	<0.5	<0.5
PCB 1232		<0.5	<0.5	<0.5	<0.5
PCB 1242		<0.5	<0.5	<0.5	<0.5
PCB 1248		<0.5	<0.5	<0.5	<0.5
PCB 1254		<0.5	<0.5	<0.5	<0.5
PCB 1260		<0.5	<0.5	<0.5	<0.5
Total BHC	<0.05	<0.01	<0.01	<0.01	<0.01
Total DDT	<0.05	<0.02	<0.02	<0.02	<0.02
Toxaphene	<0.5	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.1
ORGANOCHLORINE PESTICIDES IN GROUNDWATER

NOTES: Groundwater samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

UG/L = Micrograms per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Technologies, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
(E) = Estimated quantity, QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; no QC problem identified.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 00/01/01 BAC/LD	MW-01 85/05/02 BAC/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/SEPA	MW-01 86/08/14 BAC/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-01 87/02/26 BAC/ORG
1,1,1-Trichloroethane	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,1,2,2-Tetrachloroethane	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	3100
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,1-Dichloroethane	<100	3	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,1-Dichloroethylene	<100	3	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<100							<100	<100	<100	<200
1,2-Dichloroethane	<100	3	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,2-Dichloroethylene											
1,2-Dichloropropane	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<100							<100	<100	<100	<200
1,4-Dichlorobenzene	170							<100	<100	160	<200
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<100	<1	<10	<1000	<5000	<100	<5000(R)	<100	<100	<100	<200
2-Hexanone				<1000	<5000		<5000				
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone				<1000	<5000		<5000				
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	3200			1800	<5000		5100	<1000	<1000	2400	2700
Acrolein	<1000	<10	<100			<1000		<1000	<1000	<1000	<2000
Acrylonitrile	<1000	<10	<100			<1000		<1000	<1000	<1000	<2000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	11000	660	3200	3300	4400	2100	5000	8000	9900	11000	8400
Bis(chloromethyl)ether	<100	<1	<10					<100	<100	<100	<200
Bromochloromethane											
Bromodichloromethane	<100	<1	<10	<500	<2500	<100	<2500(R)	<100	<100	<100	<200
Bromoform	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
Bromomethane	<100	<1	<10	<1000	<5000	<100	<5000	<100	<100	<100	<200
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide				<500	<2500		<2500				
Carbon Tetrachloride	240	14	<10	<500	<2500	<100	<2500	110	220	230	<200
Chlorobenzene	23000	1400	15000	14000	44000	12000	20000	17000	23000	23000	18000[EP]
Chloroethane	<100	<1	<10	<1000	<5000	<100	<5000	<100	<100	<100	<200
Chloroform	6700	1100	1600	1900	2500	1500	2800	4300	6300	6400	5600[EP]
Chloromethane	<100	<1	<10	<1000	<5000	<100	<5000	<100	<100	<100	<200
cis & trans 1,3-Dichloropropene	<100	<1	<10			<100		<100	<100	<100	<200
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
Dichlorodifluoromethane	<100	<1	<10			<100		<100	<100	<100	<200
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<100	38	490	<500	<2500	<100	<2500	<100	<100	<100	<200
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 00/01/01 BAC/LD	MW-01 85/05/02 BAC/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/SEPA	MW-01 86/08/14 BAC/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-01 87/02/26 BAC/ORG
Methyl Ethyl Ketone				<1000	<5000		<5000(R)				
Methylcyclohexane											
Methylcyclopentane						500					
Methylene Chloride	<100	63	120	<500	1600(J)	<100	2500	<100	<100	<100	<200
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene				<500	<2500		<2500				
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	3200	610	950	1200	2400(J)	1000	2500(J)	2400	2900	3100	<200
Toluene	<100	6	<10	110(J)	<2500	<100	<2500	<100	<100	<100	<200
Total Ethyl Methyl Benzene Isomers											
Total Xylenes			140	<500	<2500		<2500		100		
trans-1,2-Dichloroethylene	<100	1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
trans-1,3-Dichloropropylene	<100	<1	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
Trichloroethylene	<100	30	<10	<500	<2500	<100	<2500	<100	<100	<100	<200
Trichlorofluoromethane	<100	<1	<10			<100		<100	<100	<100	<200
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate				<1000	<5000		<5000(R)				
Vinyl Chloride	<100	<1	<10	<1000	<5000	<100	<5000	<100	<100	<100	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 87/03/31 BAC/ORG	MW-01 87/11/17 BAC/ORG	MW-01 88/01/19 BAC/ORG	MW-01 88/04/19 BAC/ORG	MW-01 88/07/28 BAC/ORG	MW-01 88/10/13 ATI/SPT	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT
1,1,1-Trichloroethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)	<1300	<200
1,1,2,2-Tetrachloroethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<1300	<200
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<200	<200	<200[EH]	<1000	<1000	<200	<1000	<1000	<200	<1300	<200
1,1-Dichloroethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<1300	<200
1,1-Dichloroethylene	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<1300	<200
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<200	<200	<200[EH]	<200	<200		<200	<200	<200	<2500	
1,2-Dichloroethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)	<1300	<200
1,2-Dichloroethylene										<1300	
1,2-Dichloropropane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<1300	<200
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	200	<200	<200[EH]	<200	<200		<200	<200	<200		
1,4-Dichlorobenzene	310	<200	<200[EH]	<200	<200		<200	<200	<200	<2500	
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<200	<200	<200[EH]	<3000	<3000	<2000	<3000	<3000	<200		<2000
2-Hexanone						<2000				<2500	<2000
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone						<2000				<2500	<2000
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<2000	<2000	<2000[EH]	<4000	<2000	<2000	<4000	<4000	<2000	<2500	<2000(J)
Acrolein	<2000	<2000	<2000[EH]	<5000	<5000		<5000	<5000	<4000(J)		
Acrylonitrile	<2000	<2000	<2000[EH]	<2000	<2000		<2000	<2000	<4000		
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	9900	11000	10000[EH]	10000[EP]	11000	8400	9400	9800	7700	11000	9000
Bis(chloromethyl)ether	<200	<200	<200[EH]								
Bromochloromethane											
Bromodichloromethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)	<1300	<200
Bromoform	<200	<200	<200[EH]	<200	<200	<1000	<200	<200	<200(J)	<1300	<1000
Bromomethane	<200	<200	<200[EH]	<200	<200	<2000	<200	<200	<200	<2500	<2000
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide						<200				<1300	<200
Carbon Tetrachloride	<200	220	220[EH]	<200	<200	<200	<200	<200	<200(J)	<1300	<200
Chlorobenzene	2000	23000	25000[EH]	27000	28000	18000	26000	29000	26000	36000	25000
Chloroethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<2500	<200
Chloroform	5700	6600	7500[EH]	8000	8800	6900	7800	8600	7100(J)	10000	8000
Chloromethane	<200	<200	<200[EH]	<1000	<1000	<2000	<1000	<1000	<400	<2500	<2000
cis & trans 1,3-Dichloropropene	<200	<200	<200[EH]								
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<200	<200	<200[EH]	<1000	<1000	<200	<1000	<1000	<200	<1300	<200
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)	<1300	<200
Dichlorodifluoromethane	<200	<200	<200[EH]								
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200	<1300	<200
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 87/03/31 BAC/ORG	MW-01 87/11/17 BAC/ORG	MW-01 88/01/19 BAC/ORG	MW-01 88/04/19 BAC/ORG	MW-01 88/07/26 BAC/ORG	MW-01 88/10/13 ATI/SPT	MW-01 88/10/13 BAC/FD	MW-01 88/10/13 BAC/ORG	MW-01 89/02/08 BAC/ORG	MW-01 89/02/08 SWL/SEPA	MW-01 89/05/19 ATI/SPT
Methyl Ethyl Ketone						<2000				<2500(J)	<2000
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<200	<200	420[EH]	<2000	<2000	<1000	<2000	<2000	<200(J)	810(J)	<1000
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene						<200				<1300	<200
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	3500	3700	4100[EH]	4600	4800	2100	4000	4400	3200(J)	5500	3600
Toluene	<200	<200	<200[EH]	<400	<400	<200	<400	<400	<200	<1300	<200
Total Ethyl Methyl Benzene Isomers											
Total Xylenes						<200				<1300	<200
trans-1,2-Dichloroethylene	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)		<200
trans-1,3-Dichloropropylene	<200	<200	<200[EH]	<1000	<1000	<200	<1000	<1000	<200(J)	<1300	<200
Trichloroethylene	<200	<200	<200[EH]	<200	<200	200	<200	<200	<200	<1300	<200
Trichlorofluoromethane	<200	<200	<200[EH]	<200	<200		<200	<200	<200(J)		
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate						<2000				<2500(J)	<2000
Vinyl Chloride	<200	<200	<200[EH]	<200	<200	<200	<200	<200	<200(J)	<2500	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-01 89/11/17 BAC/ORG	MW-01 90/04/20 BAC/ORG	MW-01 92/07/22 ATI/ORG	MW-01 93/01/27 ATI/ORG	MW-01 95/11/29 BAC/ORG	MW-02 85/05/02 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA
1,1,1-Trichloroethane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
1,1,2,2-Tetrachloroethane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
1,1,2-Trichloro-1,2,2-Trifluoroethane						<2500	<200				
1,1,2-Trichloroethane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
1,1-Dichloroethane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
1,1-Dichloroethylene	<200	<200	<50	<500	<500	<500	<100	100	200	<10000	<6.3
1,2,4-Trimethyl Benzene							<100				
1,2-Dichlorobenzene	<200	<200	86	<500		<2500	110				
1,2-Dichloroethane	<200	<200	<50	<500	<500	<500	<50	150	150	<10000	<6.3
1,2-Dichloroethylene											
1,2-Dichloropropane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
1,3,5-Trimethyl Benzene							<100				
1,3-Dichlorobenzene	<200	<200	<50	<500		<2500	<100				
1,4-Dichlorobenzene	<200	<200	130	<500		<2500	220				
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<200	<200	<50	<500			<500	<50	<50	<20000	<13
2-Hexanone					<5000	<5000	<500			<20000	<13
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone					<5000	<5000	<500			<20000	<13
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<2000	<2000	<500	<5000	<5000	<5000	<2000			<20000	<13
Acrolein	<4000	<4000	<1000	<10000				<500	<500		
Acrylonitrile	<4000	<4000	<1000	<10000			<5000	<500	<500		
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	9400	8800	9600	8500	8300	8100	5300	<50	150	<10000	<6.3
Bis(chloromethyl)ether								<50	<50		
Bromochloromethane				<500							
Bromodichloromethane	<200	<200	<50		<500	<500	<100	<50	<50	<10000	<6.3
Bromoform	<200	<200	<50	<500	<2500	<2500	<100	<50	<50	<10000	<6.3
Bromomethane	<200	<200	<50	<500	<5000	<5000	<100	<50	<50	<20000	<13
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide					<500	<500	<200			<10000	<6.3
Carbon Tetrachloride	240	220	150	<500	<500	<500	120	<50	<50	<10000	<6.3
Chlorobenzene	26000	28000	28000	36000	53000	73000	78000	54000	180000	240000	230
Chloroethane	<200	<200	<50	<500	<2500	<2500	<100	<50	<50	<20000	<13
Chloroform	8500	8200	9400	11000	18000	23000	8100	5800	5600	8200(J)	6.8
Chloromethane	<400	<400	<100	<1000	<5000	<5000	<100	<50	<50	<20000	<13
cis & trans 1,3-Dichloropropene								<50	<50		
cis-1,2-Dichloroethene					<500	<500	<100				
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
Cyclic Hydrocarbon											
Cyclohexane							<500				
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
Dichlorodifluoromethane						<5000	<500	<50	<50		
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
Hycrocarbon											
Isobutane											
Isopropyl Benzene							<100				

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 89/05/19 BAC/FD	MW-01 89/05/19 BAC/ORG	MW-01 89/11/17 BAC/ORG	MW-01 90/04/20 BAC/ORG	MW-01 92/07/22 ATI/ORG	MW-01 93/01/27 ATI/ORG	MW-01 95/11/29 BAC/ORG	MW-02 85/05/02 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP	MW-02 85/07/02 HZL/SEPA
Methyl Ethyl Ketone					<5000	<5000	<500			<20000	<13
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<200	<200	210	<1000	<2500	<2500	<200	<50	400	<10000	3.5(J)
n-Propylbenzene							<100				
Naphthalene							<200				
Pentane											
Propylbenzene							<100				
S-Butyl Benzene							<100				
Styrene					<500	<500	<100			<10000	<6.3
T-Butyl Benzene							<100				
TDC Benzene											
Tetrachloroethylene	3800	3600	3500	4000	3400	3700	3800	<50	<50	<10000	<6.3
Toluene	<200	<200	50	<500	<1000	<1000	<100	<50	<50	<10000	<6.3
Total Ethyl Methyl Benzene Isomers											
Total Xylenes					<500	<1000	<300		200	<10000	<6.3
trans-1,2-Dichloroethylene	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
trans-1,3-Dichloropropylene	<200	<200	<50	<500	<500	<500	<100	<50	<50	<10000	<6.3
Trichloroethylene	<200	<200	120	<500	<500	<500	190	<50	<50	<10000	<6.3
Trichlorofluoromethane	<200	<200	<50	<500		<2500	<100	<50	<50		
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate							<1000			<20000	<13
Vinyl Chloride	<200	<200	<50	<500	<2500	<2500	<100	<50	<50	<20000	<13

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/08/13 BAC/FD	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-02 86/08/14 BAC/ORG	MW-02 87/01/09 BAC/LD	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-02 87/02/26 BAC/FD	MW-02 87/02/26 BAC/LD	MW-02 87/02/26 BAC/ORG	MW-02 87/04/02 BAC/ORG
1,1,1-Trichloroethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,1,2,2-Tetrachloroethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,1-Dichloroethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,1-Dichloroethylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene				<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,2-Dichloroethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,2-Dichloroethylene											
1,2-Dichloropropane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene				<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
1,4-Dichlorobenzene				<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<1000	<500	<10000(R)	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
2-Hexanone			<10000								
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone			<10000								
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone			14000	<10000	<25000	<25000	<250000	<10000	<25000	<25000	<25000
Acrolein	<10000	<5000		<10000	<25000	<25000	<250000	<10000	<25000	<25000	<25000
Acrylonitrile	<10000	<5000		<10000	<25000	<25000	<250000	<10000	<25000	<25000	<25000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C5											
Benzene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Bis(chloromethyl)ether		<500		<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Bromochloromethane											
Bromodichloromethane	<1000	<500	<5000(R)	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Bromoform	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Bromomethane	<1000	<500	<10000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide			<5000								
Carbon Tetrachloride	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Chlorobenzene	310000	200000	310000	180000	390000	440000	660000	250000(EP)	170000	270000(EP)	340000
Chloroethane	<1000	<500	<10000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Chloroform	4000	4500	5900	7700	7000	7500	<25000	7000(EP)	5000	7500(EP)	7100(EA)
Chloromethane	<1000	<500	<10000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
cis & trans 1,3-Dichloropropene		<500		<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Dichlorodifluoromethane		<500		<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/08/13 BAC/FD	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-02 86/08/14 BAC/ORG	MW-02 87/01/09 BAC/LD	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-02 87/02/26 BAC/FD	MW-02 87/02/26 BAC/LD	MW-02 87/02/26 BAC/ORG	MW-02 87/04/02 BAC/ORG
Methyl Ethyl Ketone			10000(R)								
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<1000	<500	5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene			<5000								
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Toluene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Total Ethyl Methyl Benzene Isomers											
Total Xylenes			<5000								
trans-1,2-Dichloroethylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
trans-1,3-Dichloropropylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Trichloroethylene	<1000	<500	<5000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Trichlorofluoromethane	<1000	<500		<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate			<10000(R)								
Vinyl Chloride	<1000	<500	<10000	<1000	<2500	<2500	<25000	<1000	<2500	<2500	<2500

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 87/11/17 BAC/ORG	MW-02 88/01/21 BAC/ORG	MW-02 88/04/22 BAC/ORG	MW-03 85/04/27 BAC/ORG	MW-03 85/08/13 BAC/FD	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/SEPA	MW-03 86/08/13 BAC/ORG	MW-03 87/01/09 BAC/ORG	MW-03 87/01/14 BAC/ORG	MW-03 87/02/26 BAC/ORG
1,1,1-Trichloroethane	<2500	<2500	<2500	1	<100	<1	<25	<10(EH)	<25	<50	<25
1,1,2,2-Tetrachloroethane	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<2500	<2500	<12500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,1-Dichloroethane	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,1-Dichloroethylene	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<2500	<2500	<2500					<10(EH)	<25	<50	<25
1,2-Dichloroethane	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,2-Dichloroethylene											
1,2-Dichloropropane	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<2500	<2500	<2500					<10(EH)	<25	<50	<25
1,4-Dichlorobenzene	<2500	<2500	<2500					<10(EH)	<25	<50	<25
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<2500	<2500	<37500	<1	<100	<1	<50(R)	<10(EH)	<25	<50	<25
2-Hexanone							<50				
2-Methyl Butane C5											
2-Methylbutane				400							
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone							<50				
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	60000	<25000	<50000				150(J)	<100(EH)	<250	<500	1800(UT)
Acrolein	<25000	<25000	<62500	<10	<1000	<10		<100(EH)	<250	<500	<250
Acrylonitrile	<25000	<25000	<25000	<10	<1000	<10		<100(EH)	<250	<500	<250
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<2500	<2500	<5000	40	2000	<1	60	70(EH)	<25	<50	79
Bis(chloromethyl)ether	<2500	<2500		<1		<1		<10(EH)	<25	<50	<25
Bromochloromethane											
Bromodichloromethane	<2500	<2500	<2500	<1	<100	3	<25(R)	<10(EH)	<25	<50	<25
Bromoform	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
Bromomethane	<2500	<2500	<2500	<1	<100	<1	<50	<10(EH)	<25	<50	<25
Butane				400				200(EH)	250		
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide							<25				
Carbon Tetrachloride	<2500	<2500	<2500	16	<100	<1	25(J)	11(EH)	<25	<50	<25
Chlorobenzene	370000	330000	380000	59	<100	7	<25	<10(EH)	<25	<50	<25
Chloroethane	<2500	<2500	<2500	<1	<100	<1	<50	<10(EH)	<25	<50	<25
Chloroform	6500	4500	6500	760	500	440	750	560(EH)	580	950	670(EP)
Chloromethane	<2500	<2500	<12500	<1	<100	<1	<50	<10(EH)	<25	<50	<25
cis & trans 1,3-Dichloropropane	<2500	<2500		<1		<1		<10(EH)	<25	<50	<25
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<2500	<2500	<12500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane				200							
Cyclopentene								20(EH)			
Dibromochloromethane	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
Dichlorodifluoromethane	<2500	<2500		<1		<1		<10(EH)	<25	<50	<25
Dimethyl Butane								60(EH)			
Dimethylcyclopropane				200				100(EH)			
Ethylbenzene	<2500	<2500	<2500	<1	<100	<1	<25	<10(EH)	<25	<50	<25
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 87/11/17 BAC/ORG	MW-02 88/01/21 BAC/ORG	MW-02 88/04/22 BAC/ORG	MW-03 85/04/27 BAC/ORG	MW-03 85/08/13 BAC/FD	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/SEPA	MW-03 86/08/13 BAC/ORG	MW-03 87/01/09 BAC/ORG	MW-03 87/01/14 BAC/ORG	MW-03 87/02/26 BAC/ORG
Methyl Ethyl Ketone							50(R)				
Methylcyclohexane								20[EH]			
Methylcyclopentane				200				100[EH]			
Methylene Chloride	<2500	<2500	<25000	<1	<100	<1	25	<10[EH]	<25	<50	<25
n-Propylbenzene											
Naphthalene											
Pentane				300				100[EH]			
Propylbenzene											
S-Butyl Benzene											
Styrene							<25				
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<2500	<2500	<2500	14	<100	50	27	38[EH]	<25	50	86
Toluene	<2500	<2500	<5000	<1	<100	<1	<25	<10[EH]	<25	<50	32
Total Ethyl Methyl Benzene Isomers											
Total Xylenes				30			25(J)	40[EH]			
trans-1,2-Dichloroethylene	<2500	<2500	<2500	<1	<100	<1	<25	<10[EH]	<25	<50	<25
trans-1,3-Dichloropropylene	<2500	<2500	<12500	<1	<100	<1	<25	<10[EH]	<25	<50	<25
Trichloroethylene	<2500	<2500	<2500	12	<100	1	45	55[EH]	50	83	44
Trichlorofluoromethane	<2500	<2500	<2500	<1	<100	<1		<10[EH]	<25	<50	<25
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate							<50(R)				
Vinyl Chloride	<2500	<2500	<2500	<1	<100	<1	<50	<10[EH]	<25	<50	<25

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 87/04/01 BAC/ORG	MW-03 87/11/18 BAC/FD	MW-03 87/11/18 BAC/LD	MW-03 87/11/18 BAC/ORG	MW-03 88/01/20 BAC/ORG	MW-03 88/04/21 BAC/ORG	MW-03 88/07/27 BAC/ORG	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 89/02/08 BAC/ORG
1,1,1-Trichloroethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<50	<25	<10	<50	<25	<10
1,1-Dichloroethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
1,1-Dichloroethylene	<10	<10	11	11	<10	<10	<5	<10	<10	<5	<10
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<5		<10	<5	<10
1,2-Dichloroethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
1,2-Dichloroethylene											
1,2-Dichloropropane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<5		<10	<5	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<5		<10	<5	<10
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<150	<75	<100	<150	<75	<10
2-Hexanone								<100			
2-Methyl Butane C5											
2-Methylbutane					400				1000	1000	
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone								<100			
A C10 Hydrocarbon											
A C5 Hyrdrocarbon								300			
A C6 H14 Hydrocarbon							50				
A Second Hydrocarbon											200
A Third Hydrocarbon											100
Acetone	<100	<100	<100	<100	<100	<200	<50	1400[UT]	<200	<100	<100
Acrolein	<100	<100	<100	<100	<100	<250	<130		<250	<130	<200(J)
Acrylonitrile	<100	<100	<100	<100	<100	<100	<50		<100	<50	<200
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6								90			
Benzene	84	170	160	160	130	81	32	35	32	32	15
Bis(chloromethyl)ether	<10	<10	<10	<10	<10						
Bromochloromethane											
Bromodichloromethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
Bromoform	<10	<10	<10	<10	<10	<10	<5	<50	<10	<5	<10(J)
Bromomethane	<10	<10	<10	<10	<10	<10	<5	<100	<10	<5	<10
Butane		100		100	100		100		200	200	
C5 H10 Hydrocarbon's					100				300	200	
C6 Cyclic Hydrocarbon											
Carbon Disulfide								<10			
Carbon Tetrachloride	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
Chlorobenzene	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
Chloroethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
Chloroform	670	780	790	780	890	690	520	620	630	600	540(J)
Chloromethane	<10	<10	<10	<10	<10	<50	<25	<100	<50	<25	<20
cis & trans 1,3-Dichloropropene	<10	<10	<10	<10	<10						
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<50	<25	<10	<50	<25	<10
Cyclic Hydrocarbon											
Cyclohexane							200				
Cyclopentane							100		300	300	
Cyclopentene											
Dibromochloromethane	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
Dichlorodifluoromethane	<10	<10	<10	<10	<10						
Dimethyl Butane											
Dimethylcyclopropane	100						100				
Ethylbenzene	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10
Hycrocarbon											400
Isobutane	200										
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 87/04/01 BAC/ORG	MW-03 87/11/18 BAC/FD	MW-03 87/11/18 BAC/LD	MW-03 87/11/18 BAC/ORG	MW-03 88/01/20 BAC/ORG	MW-03 88/04/21 BAC/ORG	MW-03 88/07/27 BAC/ORG	MW-03 88/10/12 ATI/SPT	MW-03 88/10/12 BAC/FD	MW-03 88/10/12 BAC/ORG	MW-03 89/02/08 BAC/ORG
Methyl Ethyl Ketone								<100			
Methylcyclohexane											
Methylcyclopentane	200	100		100	200			100	300	300	
Methylene Chloride	<10	<10	<10	<10	<10	<100	<50	<50	<100	<50	<10
n-Propylbenzene											
Naphthalene											
Pentane		100			200		200	200	200	300	
Propylbenzene											
S-Butyl Benzene											
Styrene								<10			
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	38	51	52	52	45	35	29	27	<10	31	23(J)
Toluene	<10	11(EB)	<10	<10	<10	<20	<10	<10	<20	<10	<10
Total Ethyl Methyl Benzene Isomers											
Total Xylenes					70			<10			
trans-1,2-Dichloroethylene	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<50	<25	<10	<50	<25	<10(J)
Trichloroethylene	39	73	73	72	65	47	25	32	29	30	17
Trichlorofluoromethane	<10	<10	<10	<10	<10	<10	<5		<10	<5	<10(J)
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate								<100			
Vinyl Chloride	<10	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 89/05/18 BAC/ORG	MW-03 89/10/28 BAC/ORG	MW-03 90/04/20 BAC/ORG	MW-03 90/11/28 BAC/ORG	MW-03 91/04/23 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/05/02 BAC/FD	MW-04 85/05/02 BAC/ORG	MW-04 85/07/02 BAC/ORG
1,1,1-Trichloroethane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,1,2,2-Tetrachloroethane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,1-Dichloroethane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,1-Dichloroethylene	<10	<50[E/EH]	<5	<5	2	<5	<1	<1	<5[EH]	<5	<5
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10	<50[E/EH]	<5	<5	<1	<5					
1,2-Dichloroethane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,2-Dichloroethylene											
1,2-Dichloropropane	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10	<50[E/EH]	<5	<5	<1	<5					
1,4-Dichlorobenzene	<10	<50[E/EH]	<5	<5	<1	<5					
2 C5 Hydrocarbons					300						
2-Chloroethylvinyl ether	<10	<50[E/EH]	<5	<5	<1	<10			<5[EH]	<5	<5
2-Hexanone							<10	<10			
2-Methyl Butane C5											
2-Methylbutane						550					
3 C5 Cyclic Hydrocarbons					100						
4-Methyl-2-Pentanone							<10	<10			
A C10 Hydrocarbon					20						
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<100	<500(E/EH]	<50	<50	<10	<100	<20	<20			
Acrolein	<200	H]	<100	<100	<20				<50(EH]	<50	<50
Acrylonitrile	<200	H]	<100	<100	<20				<50(EH]	<50	<50
Aliphatic Hydrocarbon C5							500	500			
Aliphatic Hydrocarbon C6							100	100			
Alkene C6											
Benzene	24	<50(E/EH]	10	20	21	28	30	29	<5[EH]	<5	<5
Bis(chloromethyl)ether										<5	<5
Bromochloromethane			<5								
Bromodichloromethane	<10	<50(E/EH]		<5	<1	<5	<1	<1	<5[EH]	<5	<5
Bromoform	<10	<50(E/EH]	<5	<5	<1	<5	<5	<5	<5[EH]	<5	<5
Bromomethane	<10	<50(E/EH]	<5	<5	<1	<10	<10	<10	<5[EH]	<5	<5
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon					50						
Carbon Disulfide							<1	<1			
Carbon Tetrachloride	<10	<50(E/EH]	<5	<5	<1	<5	<1	<1	10[EH]	10	25
Chlorobenzene	<10	<50(E/EH]	6	<5	<1	<5	<1	<1	360[EH]	850	160
Chloroethane	<10	<50(E/EH]	<5	<5	<1	<10	<1	<1	<5[EH]	<5	<5
Chloroform	700	410[E/EH]	670	570	69	18	20	20	3300[EH]	3100	4700
Chloromethane	<20	<100[E/EH]	<10	<10	<2	<10	<10	<10	<5[EH]	<5	<5
cis & trans 1,3-Dichloropropene										<5	<5
cis-1,2-Dichloroethene					<1	<5	<1	<1			
cis-1,2-Dimethylcyclopropane						38					
cis-1,3-Dichloropropylene	<10	<50(E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
Cyclic Hydrocarbon							90	90			
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<10	<50(E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
Dichlorodifluoromethane										<5	<5
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<10	<50(E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
Hydrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-03 89/05/18 BAC/ORG	MW-03 89/10/28 BAC/ORG	MW-03 90/04/20 BAC/ORG	MW-03 90/11/28 BAC/ORG	MW-03 91/04/23 BAC/ORG	MW-03 91/11/20 APPL/SPT	MW-03 91/11/20 ATI/FD	MW-03 91/11/20 ATI/ORG	MW-04 85/05/02 BAC/FD	MW-04 85/05/02 BAC/ORG	MW-04 85/07/02 BAC/ORG
Methyl Ethyl Ketone							<20	<20			
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<10	<50[E/EH]	<10	<10	<2	25	<5	<5	<5[EH]	<5	<5
n-Propylbenzene											
Naphthalene											
Pentane						180					
Propylbenzene											
S-Butyl Benzene											
Styrene							<1	<1			
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	26	<50[E/EH]	20	30	22	24	23	23	850[EH]	1100	1300
Toluene	<10	<50[E/EH]	<5	<5	<1	<5	<2	<2	<5[EH]	<5	<5
Total Ethyl Methyl Benzene Isomers											
Total Xylenes					<5	<5	<1	<1			
trans-1,2-Dichloroethylene	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
trans-1,3-Dichloropropylene	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5
Trichloroethylene	33	<50[E/EH]	30	30	29	34	29	27	<5[EH]	<5	5
Trichlorofluoromethane	<10	<50[E/EH]	<5	8	<1	<10			<5[EH]	<5	<5
Trimethylbenzene											
Unknown (as appropriate w/method)						12					
Vinyl Acetate							<10	<10			
Vinyl Chloride	<10	<50[E/EH]	<5	<5	<1	<5	<1	<1	<5[EH]	<5	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/FD	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/SEPA	MW-04 86/08/13 BAC/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-04 87/02/26 BAC/ORG	MW-04 87/04/01 BAC/ORG	MW-04 87/11/17 BAC/ORG	MW-04 88/01/19 ATI/SPT
1,1,1-Trichloroethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,1,2,2-Tetrachloroethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,1-Dichloroethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,1-Dichloroethylene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene					<100[EH]	<50	<50	<5	<10	<10	
1,2-Dichloroethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,2-Dichloroethylene											
1,2-Dichloropropane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene					<100[EH]	<50	<50	<5	<10	<10	
1,4-Dichlorobenzene					<100[EH]	<50	<50	<5	<10	<10	
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<10	<1	<25	<50(R)	<100[EH]	<50	<50	<5	<10	<10	<50
2-Hexanone	<10			<50							<50
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone	<10			<50							<50
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<10			64(J)	<1000[EH]	<500	<500	<50	<100	800	<50
Acrolein		<10	<250		<1000[EH]	<500	<500	<50	<100	<100	
Acrylonitrile		<10	<250		<1000[EH]	<500	<500	<50	<100	<100	
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<5	<1	<25	<25	660[EH]	<50	<50	<5	<10	<10	<5
Bis(chloromethyl)ether			<25		<100[EH]	<50	<50	<5	<10	<10	
Bromochloromethane											
Bromodichloromethane	<5	<1	<25	<25(R)	<100[EH]	<50	<50	<5	<10	<10	<5
Bromoform	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<25
Bromomethane	<10	<1	<25	<50	<100[EH]	<50	<50	<5	<10	<10	<50
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide	<5			25(J)							<5
Carbon Tetrachloride	<5	<1	<25	25(J)	<100[EH]	<50	<50	<5	<10	<10	<5
Chlorobenzene	<5	3[UT]	300	100	1600[EH]	340	690	58[EP]	110	72	75
Chloroethane	<10	<1	<25	<50	<100[EH]	<50	<50	<5	<10	<10	<5
Chloroform	<5	180	680	4400	7300[EH]	4300	2900[EA]	31[EP]	59[EA]	31	5
Chloromethane	<10	<1	<25	<50	<100[EH]	<50	<50	<5	<10	<10	<50
cis & trans 1,3-Dichloropropene			<25		<100[EH]	<50	<50	<5	<10	<10	
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
Dichlorodifluoromethane			<25		<100[EH]	<50	<50	<5	<10	<10	
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
Hydrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/07/02 HZL/SEPA	MW-04 85/08/13 BAC/FD	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/SEPA	MW-04 86/08/13 BAC/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-04 87/02/28 BAC/ORG	MW-04 87/04/01 BAC/ORG	MW-04 87/11/17 BAC/ORG	MW-04 88/01/19 ATI/SPT
Methyl Ethyl Ketone	<10			50(R)							<50
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<5	1	<25	25	<100[EH]	<50	<50	<5	<10	<10	<25
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene	<5			<25							<5
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<5	22	<25	1000	1700[EH]	1400	1400	1200	1200	950	790
Toluene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	<5			<25							<5
trans-1,2-Dichloroethylene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
trans-1,3-Dichloropropylene	<5	<1	<25	<25	<100[EH]	<50	<50	<5	<10	<10	<5
Trichloroethylene	<5	<1	<25	25(J)	<100[EH]	<50	<50	7	<10	<10	5
Trichlorofluoromethane		<1	<25		<100[EH]	<50	<50	<5	<10	<10	
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate	<10			<50(R)							<50
Vinyl Chloride	<10	<1	<25	<50	<100[EH]	<50	<50	<5	<10	<10	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/04/21 BAC/ORG	MW-04 88/07/26 ATI/SPT	MW-04 88/07/26 BAC/FD	MW-04 88/07/26 BAC/ORG	MW-04 88/10/13 BAC/ORG	MW-04 89/02/08 BAC/ORG	MW-04 89/05/18 BAC/FD	MW-04 89/05/18 BAC/ORG
1,1,1-Trichloroethane	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10	<10	<10	<50	<5	<50	<50	<50	<5	<10	<10
1,1-Dichloroethane	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
1,1-Dichloroethylene	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10	<10	<10	<10		<10	<10	<10	<5	<10	<10
1,2-Dichloroethane	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
1,2-Dichloroethylene											
1,2-Dichloropropane	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10	<10	<10	<10		<10	<10	<10	<5	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10		<10	<10	<10	<5	<10	<10
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<10	<10	<10	<150	<50	<150	<150	<150	<5	<10	<10
2-Hexanone					<50						
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone					<50						
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C8 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	200	<100	<100	<200	<50	<100	<100	<200	<50	<100(J)	<100(J)
Acrolein	<100	<100	<100	<250		<250	<250	<250	<100(J)	<200(J)	<200(J)
Acrylonitrile	<100	<100	<100	<100		<100	<100	<100	<100	<200(J)	<200(J)
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<10	<10	<10	<20	<5	<20	<20	<20	<5	<10	<10
Bis(chloromethyl)ether	<10	<10	<10								
Bromochloromethane											
Bromodichloromethane	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
Bromoform	<10	<10	<10	<10	<25	<10	<10	<10	<5(J)	<10	<10
Bromomethane	<10	<10	<10	<10	<50	<10	<10	<10	<5	<10	<10
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide					<5						
Carbon Tetrachloride	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
Chlorobenzene	77	74	77	180	330	250	290	290	330	360	360
Chloroethane	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
Chloroform	<10	<10	<10	78	60	54	62	25	29(J)	<10	<10
Chloromethane	<10	<10	<10	<50	<50	<50	<50	<50	<10	<20	<20
cis & trans 1,3-Dichloropropene	<10	<10	<10								
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<10	<10	<10	<50	<5	<50	<50	<50	<5	<10	<10
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
Dichlorodifluoromethane	<10	<10	<10								
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
Hydrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 88/01/19 BAC/FD	MW-04 88/01/19 BAC/LD	MW-04 88/01/19 BAC/ORG	MW-04 88/04/21 BAC/ORG	MW-04 88/07/26 ATI/SPT	MW-04 88/07/26 BAC/FD	MW-04 88/07/26 BAC/ORG	MW-04 88/10/13 BAC/ORG	MW-04 89/02/08 BAC/ORG	MW-04 89/05/18 BAC/FD	MW-04 89/05/18 BAC/ORG
Methyl Ethyl Ketone					<50						
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<10	<10	<10	<100	<25	<100	<100	<100	<5	<10(J)	<10(J)
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene					<5						
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	860	870	860	680	840	590	650	590	350(J)	430	440
Toluene	<10	<10	<10	<20	<5	<20	<20	<20	<5	<10	<10
Total Ethyl Methyl Benzene Isomers											
Total Xylenes					<5						
trans-1,2-Dichloroethylene	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10
trans-1,3-Dichloropropylene	<10	<10	<10	<50	<5	<50	<50	<50	<5(J)	<10	<10
Trichloroethylene	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	<10
Trichlorofluoromethane	<10	<10	<10	<10		<10	<10	<10	<5(J)	<10	<10
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate					<50						
Vinyl Chloride	<10	<10	<10	<10	<5	<10	<10	<10	<5(J)	<10	<10

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 89/11/16 BAC/ORG	MW-04 90/04/20 BAC/ORG	MW-05 85/04/26 BAC/ORG	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 86/08/14 BAC/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG	MW-05 87/02/26 BAC/ORG
1,1,1-Trichloroethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	1700	<500
1,1,2,2-Tetrachloroethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	2000	<500
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
1,1-Dichloroethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
1,1-Dichloroethylene	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<50	<10					<1000	<100	<1000	<1000	<500
1,2-Dichloroethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
1,2-Dichloroethylene											
1,2-Dichloropropane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<50	<10					<1000	<100	<1000	<1000	<500
1,4-Dichlorobenzene	<50	<10					<1000	<100	<1000	<1000	<500
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<50	<10	<25	<100	<5000(R)	<5000(R)	<1000	<1000	<1000	<1000	<500
2-Hexanone					<5000	<5000					
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone					<5000	<5000					
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<500	<100			6800	5800	<10000	<10000	<10000	<10000	<5000
Acrolein	<1000	<200	<250	<1000			<10000	<10000	<10000	<10000	<5000
Acrylonitrile	<1000	<200	<250	<1000			<10000	<10000	<10000	<10000	<5000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<50	<10	1100	1400	2500(J)	2500(J)	<1000	2000	2000	3700	2000
Bis(chloromethyl)ether			<25	<100			<1000	<1000	<1000	<1000	<500
Bromochloromethane		<10									
Bromodichloromethane	<50		<25	<100	<2500(R)	<2500(R)	<1000	<1000	<1000	1400	<500
Bromoform	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
Bromomethane	<50	<10	<25	<100	<5000	<5000	<1000	<1000	<1000	<1000	<500
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide					<2500	<2500					
Carbon Tetrachloride	<50	<10	180	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
Chlorobenzene	360	500	93000	74000	110000	110000	140000	220000	200000	200000	110000(EP)
Chloroethane	<50	<10	<25	<100	<5000	<5000	<1000	<1000	<1000	<1000	<500
Chloroform	<50	10	24000	18000	21000	22000	35000	48000	45000	47000	45000(EP)
Chloromethane	<100	<20	<25	<100	<5000	<5000	<1000	<1000	<1000	<1000	<500
cis & trans 1,3-Dichloropropene			<25	<100			<1000	<1000	<1000	<2300	<500
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	2300	<500
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
Dichlorodifluoromethane			<25	<100			<1000	<1000	<1000	<1000	<500
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<50	<10	50	<100	<2500	<2500	<1000	<1000	<1000	2100	<500
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 89/11/16 BAC/ORG	MW-04 90/04/20 BAC/ORG	MW-05 85/04/26 BAC/ORG	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 86/08/14 BAC/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG	MW-05 87/02/26 BAC/ORG
Methyl Ethyl Ketone					5000(R)	<5000(R)					
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<50	<20	<25	<100	2500	2500	<1000	<1000	<1000	<1000	<500
n-Propylbenzene											
Naphthalene											
Pentane			1000								
Propylbenzene											
S-Butyl Benzene											
Styrene					<2500	<2500					
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	300	260	580	600	2500(J)	2500(J)	1200	<1000	<1000	1100	1000
Toluene	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	1300	<500
Total Ethyl Methyl Benzene Isomers											
Total Xylenes					<2500	<2500					
trans-1,2-Dichloroethylene	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	1500	<500
trans-1,3-Dichloropropylene	<50	<10	<25	<100	<2500	<2500	<1000	<1000	<1000	1500	<500
Trichloroethylene	<50	<10	25	<100	<2500	<2500	<1000	<1000	<1000	<1000	<500
Trichlorofluoromethane	<50	<10	<25	<100			<1000	<1000	<1000	<1000	<500
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate					<5000(R)	<5000(R)					
Vinyl Chloride	<50	<10	<25	<100	<5000	<5000	<1000	<1000	<1000	<1000	<500

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 87/04/02 BAC/ORG	MW-05 87/11/18 BAC/ORG	MW-05 88/01/20 BAC/ORG	MW-05 88/04/20 BAC/ORG	MW-05 88/07/27 BAC/ORG	MW-05 88/10/14 BAC/ORG	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-05 89/05/19 BAC/ORG	MW-05 89/10/28 BAC/ORG
1,1,1-Trichloroethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
1,1,2,2-Tetrachloroethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<1000	<1000	<1000	<5000	<5000	<5000	<1000	<2500	<5000	<1000	<500
1,1-Dichloroethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
1,1-Dichloroethylene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<5000	<10000	<1000	<500
1,2-Dichloroethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
1,2-Dichloroethylene								<2500	<5000		
1,2-Dichloropropane	<1000	<1000	<1000	<1000	<1000	<1000	<1000(J)	<2500	<5000	<1000	<500
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<1000	<1000	<1000	<1000	<1000	<1000	<1000			<1000	<500
1,4-Dichlorobenzene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<5000	<10000	<1000	<500
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<1000	<1000	<1000	<15000	<15000	<15000	<1000			<1000	<500
2-Hexanone								<5000	<10000		
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone								<5000	<10000		
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<10000	<10000	<10000	<20000	<10000	<20000	<10000	<5000	<10000	<10000	<5000
Acrolein	<10000	<10000	<10000	<25000	<25000	<25000	<20000(J)			<20000	<10000
Acrylonitrile	<10000	<10000	<10000	<10000	<10000	<10000	<20000			<20000	<10000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkane C6											
Benzene	1700	1900	1600	<2000	<2000	<2000	1200	<2500	<5000	<1000	740
Bis(chloromethyl)ether	<1000	<1000	<1000								
Bromochloromethane											
Bromodichloromethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
Bromoform	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
Bromomethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<5000	<10000	<1000	<500
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide								<2500	<5000		
Carbon Tetrachloride	<1000	<1000	<1000	<1000	<1000	<1000	<1000(J)	<2500	<5000	<1000	<500
Chlorobenzene	170000	120000	130000	120000	98000	95000	66000	63000	100000	47000	37000
Chloroethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<5000	<10000	<1000	<500
Chloroform	40000(EA)	44000	39000	43000	35000	36000	31000	30000	35000	22000	20000
Chloromethane	<1000	<1000	<1000	<5000	<5000	<5000	<2000(J)	<5000	<10000	<2000	<1000
cis & trans 1,3-Dichloropropene	<1000	<1000	<1000								
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<1000	<1000	<1000	<5000	<5000	<5000	<1000	<2500	<5000	<1000	<500
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
Dichlorodifluoromethane	<1000	<1000	<1000								
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
Hyerocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 87/04/02 BAC/ORG	MW-05 87/11/18 BAC/ORG	MW-05 88/01/20 BAC/ORG	MW-05 88/04/20 BAC/ORG	MW-05 88/07/27 BAC/ORG	MW-05 88/10/14 BAC/ORG	MW-05 89/02/07 BAC/ORG	MW-05 89/02/07 SWL/DSEP	MW-05 89/02/07 SWL/SEPA	MW-05 89/05/19 BAC/ORG	MW-05 89/10/28 BAC/ORG
Methyl Ethyl Ketone								<5000(J)	<10000(J)		
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<1000	<1000	<1000	<10000	<10000	<10000	<1000(J)	1600(J)	3800(J)	<1000	<500
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene								<2500	<5000		
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	1000
Toluene	<1000	<1000	<1000	<2000	<2000	<2000	<1000	<2500	<5000	<1000	<500
Total Ethyl Methyl Benzene Isomers											
Total Xylenes								<2500	<5000		
trans-1,2-Dichloroethylene	<1000	<1000	<1000	<1000	<1000	<1000	<1000(J)			<1000	<500
trans-1,3-Dichloropropylene	<1000	<1000	<1000	<5000	<5000	<5000	<1000	<2500	<5000	<1000	<500
Trichloroethylene	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<2500	<5000	<1000	<500
Trichlorofluoromethane	<1000	<1000	<1000	<1000	<1000	<1000	<1000(J)			<1000	<500
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate								<5000(J)	<10000(J)		
Vinyl Chloride	<1000	<1000	<1000	<1000	<1000	<1000	<1000(J)	<5000	<10000	<1000	<500

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 90/04/21 BAC/ORG	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-05 91/04/23 BAC/ORG	MW-05 91/11/19 ATI/ORG	MW-05 95/11/28 ATI/SPT	MW-05 95/11/28 BAC/ORG	MW-06 88/08/14 BAC/ORG	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD
1,1,1-Trichloroethane	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100(J)
1,1,2,2-Tetrachloroethane	<250	<120	<250	<250	<250	<100	<20	<1	<100	<50	<100
1,1,2-Trichloro-1,2,2-Trifluoroethane							<50	<2			
1,1,2-Trichloroethane	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100
1,1-Dichloroethane	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100
1,1-Dichloroethylene	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100
1,2,4-Trimethyl Benzene								<1			
1,2-Dichlorobenzene	<250		<250	<250	<250		<50	<1	<100		<100
1,2-Dichloroethane	<250	<120	<250	<250	<250	<100	<10	<0.5	<100	<50	<100(J)
1,2-Dichloroethylene											
1,2-Dichloropropane	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100
1,3,5-Trimethyl Benzene								<1			
1,3-Dichlorobenzene	<250		<250	<250	<250		<50	<1	<100		<100
1,4-Dichlorobenzene	<250		<250	<250	<250		<50	<1	250		<100
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<250		<250	<250	<250			<5	<100	<500	<100
2-Hexanone		<1200				<1000	<100	<5		<500(J)	
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone		<1200				<1000	<100	<5		<500	
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<2500	<1200	<2500	<2500	<2500	<2000	<100	<20	<10000	<500(J)	<1000
Acrolein	<5000		<5000	<5000	<5000				<1000		<1000(J)
Acrylonitrile	<5000		<5000	<5000	<5000			<50	<1000		<1000
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	800	720	700	700	800	430	<10	<1	7200	1100	1040
Bis(chloromethyl)ether									<100		
Bromochloromethane	<250										
Bromodichloromethane		<120	<250	<250	<250	<100	<10	<1	<100	<50	<100(J)
Bromoform	<250	<620	<250	<250	<250	<500	<50	<1	<100	<250	<100
Bromomethane	<250	<1200	<250	<250	<250	<1000	<100	<1	<100	<500	<100
Butane									400		
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide		<120				<100	<20	<2		<50	
Carbon Tetrachloride	<250	<120	<250	<250	<250	<100	23	23	<100	550	740(J)
Chlorobenzene	34000	28000	36000	34000	46000	15000	<10	8.4	16000	5000	6200
Chloroethane	<250	<120	<250	<250	<250	<100	<50	<1	<100	<50	<100
Chloroform	18000	22000	16000	16000	19000	7100	1100	760	4400	4400	4900
Chloromethane	<500	<1200	<250	<500	<500	<1000	<100	9.5	<100	<500	<200
cis & trans 1,3-Dichloropropene									<100		
cis-1,2-Dichloroethene		<120			<250	<100	<10	<1			
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100
Cyclic Hydrocarbon											
Cyclohexane								<5			
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100(J)
Dichlorodifluoromethane							<100	<5	<100		
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<250	<120	<500	<250	<250	<100	<10	<1	<100	<50	<100
Hydrocarbon											
Isobutane											
Isopropyl Benzene								<1			

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 90/04/21 BAC/ORG	MW-05 90/11/27 ATI/SPT	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-05 91/04/23 BAC/ORG	MW-05 91/11/19 ATI/ORG	MW-05 95/11/28 ATI/SPT	MW-05 95/11/28 BAC/ORG	MW-06 86/08/14 BAC/ORG	MW-06 89/01/31 ATI/SPT	MW-06 89/01/31 BAC/FD
Methyl Ethyl Ketone		<1200				<2000	<100	<5		<500(J)	
Methylcyclohexane											
Methylcyclopentane									600		
Methylene Chloride	<500	<620	<250	<500	<500	<500	<50	<2	<100	<250	<100
n-Propylbenzene								<1			
Naphthalene								<2			
Pentane									500		
Propylbenzene								<1			
S-Butyl Benzene								<1			
Styrene		<120				<100	<10	<1		<50	
T-Butyl Benzene								<1			
TDC Benzene		<620									
Tetrachloroethylene	400	<120	300	300	300	160	230	190	2600	2100	2600
Toluene	<250	<120	<250	<250	<250	<200	<20	<1	<100	<50	<100
Total Ethyl Methyl Benzene Isomers											
Total Xylenes		<120			<1000	<100	<10	<3	300	<50	
trans-1,2-Dichloroethylene	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100(J)
trans-1,3-Dichloropropylene	<250	<120	<250	<250	<250	<100	<10	<1	<100	<50	<100(J)
Trichloroethylene	<250	<120	<250	<250	<250	<100	<10	1.1	<100	61	<100
Trichlorofluoromethane	<250		<250	<250	<250		<50	<1	<100		<100(J)
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate		<1200				<1000		<10		<500	
Vinyl Chloride	<250	<120	<250	<250	<250	<100	<50	<1	<100	<50	<100(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-05 89/01/31 BAC/ORG	MW-06 89/02/08 BAC/ORG	MW-06 89/05/16 BAC/ORG	MW-06 89/10/27 BAC/ORG	MW-06 90/02/24 BAC/ORG	MW-06 90/04/20 BAC/ORG	MW-06 91/04/25 ATI/SPT	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-06 95/12/01 BAC/ORG	MW-07 86/08/13 BAC/ORG
1,1,1-Trichloroethane	<50(J)	<50(J)	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
1,1,2,2-Tetrachloroethane	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane										4.1	
1,1,2-Trichloroethane	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	85	<1
1,1-Dichloroethane	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	130	<1
1,1-Dichloroethylene	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	220	<1
1,2,4-Trimethyl Benzene										2.8	
1,2-Dichlorobenzene	<50	<50	<100	<100	<100(E)	<50		<50	<50	26	<1
1,2-Dichloroethane	<50(J)	<50(J)	<100	<100	<100(E)	<50	<50	<50	<50	<0.5	<1
1,2-Dichloroethylene											
1,2-Dichloropropane	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	1.4	<1
1,3,5-Trimethyl Benzene										1.7	
1,3-Dichlorobenzene	<50	<50	<100	<100	<100(E)	<50		<50	<50	<1	<1
1,4-Dichlorobenzene	<50	<50	<100	110	100(E)	80		200	200	54	<1
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<50	<50	<100	<100	<100(E)	<50		<50	<50	<5	<1
2-Hexanone							<500			<5	
2-Methyl Butane C5							8				
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone							<500			<5	
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<500	<500	<1000	<1000	<1000(E)	<500	<1000	<500	<500	<20	<10
Acrolein	<1000(J)	<1000(J)	<2000	<2000	<2000(E)	<1000		<1000	<1000		<10
Acrylonitrile	<1000	<1000	<2000	<2000	<2000(E)	<1000		<1000	<1000	<50	<10
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkane C6											
Benzene	1100	870	950	760	1400(E)	690	440	510	500	120	<1
Bis(chloromethyl)ether											<1
Bromochloromethane					<100(E)	<50					
Bromodichloromethane	<50(J)	<50(J)	<100	<100			<50	<50	<50	2.3	<1
Bromoform	<50	<50(J)	<100	<100	<100(E)	<50	<250	<50	<50	<1	<1
Bromomethane	<50	<50	<100	<100	<100(E)	<50	<500	<50	<50	<1	<1
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide							<50			<2	
Carbon Tetrachloride	660(J)	470(J)	640	570	990(E)	530	460	530	500	220	<1
Chlorobenzene	5300	5500	5500	6400	13000(E)	7000	8400	8500	7800(EA)	190	3
Chloroethane	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
Chloroform	4500	4000(J)	4700	4400	8300(E)	4700	4700	5300	4900	1500	<1
Chloromethane	<100	<100	<200	<200	<200(E)	<100	<500	<100	<100	<1	<1
cis & trans 1,3-Dichloropropene											<1
cis-1,2-Dichloroethene							<50	<50	<50	13	
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
Cyclic Hydrocarbon											
Cyclohexane										120	
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<50(J)	<50(J)	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
Dichlorodifluoromethane										<5	<1
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<50	<50	<100	<100	<100(E)	<50	<50	<50	<50	<1	<1
Hydrocarbon											
Isobutane											
Isopropyl Benzene										<1	

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-06 88/01/31 BAC/ORG	MW-06 89/02/08 BAC/ORG	MW-06 89/05/16 BAC/ORG	MW-06 89/10/27 BAC/ORG	MW-06 90/02/24 BAC/ORG	MW-06 90/04/20 BAC/ORG	MW-06 91/04/25 ATI/SPT	MW-06 91/04/25 BAC/FD	MW-06 91/04/25 BAC/ORG	MW-06 95/12/01 BAC/ORG	MW-07 86/08/13 BAC/ORG
Methyl Ethyl Ketone							<1000			<5	
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<50	<50(J)	<100	<100	<100(E)	<100	<250	200	200	<2	<1
n-Propylbenzene										<1	
Naphthalene										<2	
Pentane											
Propylbenzene										<1	
S-Butyl Benzene										<1	
Styrene							<50			<1	
T-Butyl Benzene										<1	
TDC Benzene											
Tetrachloroethylene	2500	1500(J)	2000	1800	3700[E]	2800	1900	2200	2000	3400	<1
Toluene	<50	<50	<100	<100	<100[E]	<50	<100	<50	<50	1.3	<1
Total Ethyl Methyl Benzene Isomers											
Total Xylenes							<50	<250	<250	13	
trans-1,2-Dichloroethylene	<50(J)	<50(J)	<100	<100	<100[E]	<50	<50	<50	<50	<1	<1
trans-1,3-Dichloropropylene	<50(J)	<50(J)	<100	<100	<100[E]	<50	<50	<50	<50	<1	<1
Trichloroethylene	<50	<50	<100	<100	300[E]	200	320	400	400	810	<1
Trichlorofluoromethane	<50(J)	<50(J)	<100	<100	<100[E]	<50		<50	<50	<1	<1
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate							<500			<10	
Vinyl Chloride	<50(J)	<50(J)	<100	<100	<100[E]	<50	<50	<50	<50	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-07 89/02/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-07 89/05/16 BAC/ORG	MW-07 89/10/28 BAC/ORG	MW-07 90/02/24 BAC/ORG	MW-07 90/04/20 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-08 89/10/27 BAC/ORG
1,1,1-Trichloroethane	<250	<200(J)	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,1-Dichloroethane	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<250	<200	<200	<500	<500(E)	<200	<1		<1	<1	<1
1,2-Dichloroethane	4100	3700	4100	3300	3800(E)	3900	<1	<1	<1	<1	<1
1,2-Dichloroethylene											
1,2-Dichloropropane	<250	<200(J)	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<250	<200	<200	<500	<500(E)	<200	<1		<1	<1	<1
1,4-Dichlorobenzene	<250	<200	<200	<500	<500(E)	<200	<1		<1	<1	<1
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<250	<200	<200	<500	<500(E)	<200	<1	<10	<1	<1	<1
2-Hexanone								<10			
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone								<10			
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<2500	<2000	<2000	<5000	<5000(E)	<2000	<10(J)	<10(J)	<10(J)	<10(J)	<10
Acrolein	<5000(J)	<4000(J)	<4000	<10000	<10000(E)	<4000	<20(J)		<20(J)	<20(J)	<20
Acrylonitrile	<5000	<4000	<4000	<10000	<10000(E)	<4000	<20(J)		<20(J)	<20(J)	<20
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	32000	31000	30000	30000	28000(E)	27000	<1	<1	<1	<1	<1
Bis(chloromethyl)ether											
Bromochloromethane					<500(E)	<200					
Bromodichloromethane	<250	<200	<200	<500			<1	<1	<1	<1	<1
Bromoform	<250(J)	<200(J)	<200	<500	<500(E)	<200	2(J)	<5	1	1	<1
Bromomethane	<250(J)	<200	<200	<500	<500(E)	<200	<1	<10	<1	<1	<1
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide								<1			
Carbon Tetrachloride	<250(J)	<200(J)	<200	<500	<500(E)	<200	2	2	2	2	2
Chlorobenzene	<250	<200	<200	<500	630(E)	<200	5	<1	<1	<1	<1
Chloroethane	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
Chloroform	870	870	810	890	840(E)	800	<1	<1	<1	<1	<1
Chloromethane	<500(J)	<400(J)	<400	<500	<1000(E)	<400	<2	<10	<2(J)	<2(J)	<2
cis & trans 1,3-Dichloropropane											
cis-1,2-Dichloroethene											
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<250	<200	<200	<500	<500(E)	<200	<1	<1	<1	<1	<1
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<250	<200	<200	<500	<500(E)	<200	2	<1	1	<1	<1
Dichlorodifluoromethane											
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	2700	2400	2600	2300	2200(E)	2800	<1	<1	<1	<1	<1
Hycrocarbon											
Isobutane											
Isopropyl Benzene											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-07 89/02/02 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-07 89/05/16 BAC/ORG	MW-07 89/10/28 BAC/ORG	MW-07 90/02/24 BAC/ORG	MW-07 90/04/20 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-08 89/05/15 ATI/SPT	MW-08 89/05/15 BAC/FD	MW-08 89/05/15 BAC/ORG	MW-08 89/10/27 BAC/ORG
Methyl Ethyl Ketone								<10			
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<250	<200(J)	<200	<500	<500[E]	<400	2(J)[UB]	<5(J)	2(J)[UB]	2(J)[UB]	<1
n-Propylbenzene											
Naphthalene											
Pentane											
Propylbenzene											
S-Butyl Benzene											
Styrene								<1			
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<250(J)	<200	<200	<500	<500[E]	<200	<1	<1	<1	<1	<1
Toluene	40000	35000	38000	38000	34000[E]	36000	<1(J)	<1	3(J)[UB]	3(J)[UB]	2
Total Ethyl Methyl Benzene Isomers		3000									
Total Xylenes	14000	10000	13000	12000		20000		<1			
trans-1,2-Dichloroethylene	<250(J)	<200(J)	<200	<500	<500[E]	<200	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<250	<200	<200	<500	<500[E]	<200	<1	<1	<1	<1	<1
Trichloroethylene	<250	<200	<200	<500	<500[E]	<200	<1	<1	<1	<1	<1
Trichlorofluoromethane	<250(J)	<200(J)	<200	<500	<500[E]	<200	<1		<1	<1	<1
Trimethylbenzene			2000								
Unknown (as appropriate w/method)											
Vinyl Acetate								<10			
Vinyl Chloride	<250(J)	<200(J)	<200	<500	<500[E]	<200	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-08 90/02/22 BAC/ORG	MW-08 90/04/20 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/SEPA	MW-09 89/05/17 BAC/ORG	MW-09 89/10/27 BAC/ORG	MW-09 90/02/22 BAC/ORG	MW-09 90/04/20 BAC/ORG	MW-09 95/11/30 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane											<2
1,1,2-Trichloroethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
1,1-Dichloroethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
1,1-Dichloroethylene	<1	<1	<1000[EH]	<1000	<1000	590(J)	<1000	<3000	<1000	<1000	4.2
1,2,4-Trimethyl Benzene											<1
1,2-Dichlorobenzene	<1	<1		<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	1.3
1,2-Dichloroethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<0.5
1,2-Dichloroethylene											
1,2-Dichloropropane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
1,3,5-Trimethyl Benzene											<1
1,3-Dichlorobenzene	<1	<1		<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	<1
1,4-Dichlorobenzene	<1	<1		<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	8.7
2 C5 Hydrocarbons											
2-Chloroethylvinyl ether	<1	<1	<10000[EH]	<1000	<1000		<1000(J)	<3000	<1000	<1000	<5
2-Hexanone			<10000[EH]			<2500(J)					<5
2-Methyl Butane C5											
2-Methylbutane											
3 C5 Cyclic Hydrocarbons											
4-Methyl-2-Pentanone			<10000[EH]			<2500(J)					<5
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
A C6 H14 Hydrocarbon											
A Second Hydrocarbon											
A Third Hydrocarbon											
Acetone	<10	<10	EH]	<10000(J)	<10000(J)	1700(J)	<10000(J)	<30000	<10000	<10000	<20
Acrolein	<20	<20		<20000(J)	<20000(J)		<20000(J)	<50000	<50000	<20000	
Acrylonitrile	<20	<20		<20000(J)	<20000(J)		<20000(J)	<50000	<50000	<20000	<50
Aliphatic Hydrocarbon C5											
Aliphatic Hydrocarbon C6											
Alkene C6											
Benzene	<1[EP]	<1	<1000[EH]	<1000	<1000	590(J)	<1000	<3000	<1000	<1000	62
Bis(chloromethyl)ether											
Bromochloromethane	<1	<1							<1000	<1000	
Bromodichloromethane			<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000			<1
Bromoform	<1	<1	<5000[EH]	<1000(J)	<1000(J)	<1300(J)	<1000	<3000	<1000	<1000	<1
Bromomethane	<1	<1	<10000[EH]	<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	<1
Butane											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
Carbon Disulfide			<1000[EH]			<1300(J)					<2
Carbon Tetrachloride	2	2	<1000[EH]	<1000	<1000	28(J)	<1000	<3000	<1000	<1000	<0.5
Chlorobenzene	<1	<1	200000[EH]	180000	150000	150000(J)	150000	180000	150000	180000	8400
Chloroethane	<1	<1	<1000[EH]	<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	<1
Chloroform	<1	<1	90000[EH]	72000	65000	120000(J)	70000	85000	56000	74000	640
Chloromethane	<2	<2	<10000[EH]	<2000	<2000	<2500(J)	<2000	<5000	<2000	<2000	<1
cis & trans 1,3-Dichloropropene											
cis-1,2-Dichloroethene											<1
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
Cyclic Hydrocarbon											
Cyclohexane											<5
Cyclopentane											
Cyclopentene											
Dibromochloromethane	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
Dichlorodifluoromethane											<5
Dimethyl Butane											
Dimethylcyclopropane											
Ethylbenzene	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
Hycrocarbon											
Isobutane											
Isopropyl Benzene											<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-08 90/02/22 BAC/ORG	MW-08 90/04/20 BAC/ORG	MW-09 89/05/12 ATI/SPT	MW-09 89/05/12 BAC/FD	MW-09 89/05/12 BAC/ORG	MW-09 89/05/12 WTC/SEPA	MW-09 89/05/17 BAC/ORG	MW-09 89/10/27 BAC/ORG	MW-09 90/02/22 BAC/ORG	MW-09 90/04/20 BAC/ORG	MW-09 95/11/30 BAC/ORG
Methyl Ethyl Ketone			<10000[EH]			<2500(J)					<5
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<1	<2	H]	<1000(J)	<1000(J)	1300(J)	<1000(J)	<3000	<1000	<2000	<2
n-Propylbenzene											<1
Naphthalene											<2
Pentane											
Propylbenzene											<1
S-Butyl Benzene											<1
Styrene			<1000[EH]			<1300(J)					<1
T-Butyl Benzene											<1
TDC Benzene											
Tetrachloroethylene	<1	<1	<1000[EH]	<1000	<1000	100(J)	<1000	<3000	<1000	<1000	55
Toluene	<1	<1	H]	<1000	<1000	230(J)	<1000	<3000	<1000	<1000	<1
Total Ethyl Methyl Benzene Isomers											
Total Xylenes			<1000[EH]			<1300(J)					<3
trans-1,2-Dichloroethylene	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000	<3000	<1000	<1000	<1
trans-1,3-Dichloropropylene	<1	<1	<1000[EH]	<1000	<1000	<1300(J)	<1000(J)	<3000	<1000	<1000	<1
Trichloroethylene	<1	<1	<1000[EH]	<1000	<1000	370(J)	<1000	<3000	<1000	<1000	<1
Trichlorofluoromethane	<1	<1		<1000	<1000		<1000	<3000	<1000	<1000	<1
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate			<10000[EH]			<2500(J)					<10
Vinyl Chloride	<1	<1	<1000[EH]	<1000	<1000	<2500(J)	<1000	<3000	<1000	<1000	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-10 89/02/03 BAC/ORG	MW-10 89/02/10 BAC/FD	MW-10 89/02/10 BAC/ORG	MW-10 89/05/18 BAC/ORG	MW-10 89/10/27 BAC/ORG	MW-10 90/02/22 BAC/ORG	MW-10 90/04/20 BAC/ORG	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-11 89/02/10 BAC/ORG
1,1,1-Trichloroethane	<100(J)	<10	<10	<10	<100	<20	<5	<200	<100(J)	<200	<100(J)
1,1,2,2-Tetrachloroethane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
1,1-Dichloroethane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
1,1-Dichloroethylene	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<100	<10	<10	<10	<100	<20	<5		<100	<200	<100
1,2-Dichloroethane	<100(J)	<10(J)	<10	<10	<100	<20	<5	<200	<100(J)	<200(J)	<100
1,2-Dichloropropane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100(J)
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<100	<10	<10	<10	<100	<20	<5		<100	<200	<100
1,4-Dichlorobenzene	<100	<10	<10	<10	<100	<20	<5		<100	<200	<100
2-Chloroethylvinyl ether	<100	<10	<10	<10	<100	<20	<5	<2000	<100	<200	<100
2-Hexanone								<2000(J)			
4-Methyl-2-Pentanone								<2000			
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<1000(J)	<100	<100	<1000	<1000	<200	<50	<2000(J)	<1000(J)	<2000	<1000
Acrolein	<2000(J)	<200(J)	<200(J)	<200	<2000	<400	<100		<2000(J)	<4000(J)	<2000(J)
Acrylonitrile	<2000	<200	<200	<200	<2000	<400	<100		<2000	<4000	<2000
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	<100	<10	17	<10	<100	<20	8	3000	2800	2500	2100
Bromochloromethane						<20	<5				
Bromodichloromethane	<100	<10	<10	<10	<100			<200	<100	<200	<100
Bromoform	<100	<10	<10	<10	<100	<20	<5	<1000	<100	<200(J)	<100(J)
Bromomethane	<100	<10	<10	<10	<100	<20	<5	<2000	<100	<200	<100
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide								<200			
Carbon Tetrachloride	<100(J)	<10(J)	<10(J)	<10	<100	<20	<5	<200	<100(J)	<200(J)	<100(J)
Chlorobenzene	2200	990	1100	1300	790	670[EA]	820	18000	22000	21000	18000
Chloroethane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
Chloroform	<100	12	11	33	<100	<20	10	2400	2100	2200	2100
Chloromethane	<200	<20(J)	<20	<20	<200	<40	<10	<2000	<200	<400	<200(J)
cis-1,2-Dichloroethene											
cis-1,3-Dichloropropylene	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	<100
Dichlorodifluoromethane											
Ethyl-Methyl Benzene											
Ethylbenzene	<100	<10	<10	<10	<100	<20	<5	<200	<100	<200	160
Ethylmethylbenzene Isomers											
Hexane											
Hydrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone								<2000(J)			
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<100	<10	<10	<10	<100	<20	<10	<1000	<100	470(J)	<100(J)
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-10 89/02/03 BAC/ORG	MW-10 89/02/10 BAC/FD	MW-10 89/02/10 BAC/ORG	MW-10 89/05/18 BAC/ORG	MW-10 89/10/27 BAC/ORG	MW-10 90/02/22 BAC/ORG	MW-10 90/04/20 BAC/ORG	MW-11 89/02/03 ATI/SPT	MW-11 89/02/03 BAC/FD	MW-11 89/02/03 BAC/ORG	MW-11 89/02/10 BAC/ORG
Propylbenzene											
S-Butyl Benzene											
Styrene								<200			
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<100(J)	<10	<10	<10	<100	<20	<5	860	690(J)	690(J)	400
Toluene	<100	10(J)[EB]	17(J)	<10	<100	<20	<5	<200	2200	<200	<100
Total Ethyl Methyl Benzene Isomers											
Total Xylenes								<200			
trans-1,2-Dichloroethylene	<100(J)	<10(J)	<10(J)	<10	<100	<20	<5	<200	<100(J)	<200(J)	<100(J)
trans-1,3-Dichloropropylene	<100(J)	<10	<10	<10	<100	<20	<5	<200	<100(J)	<200(J)	<100
Trichloroethylene	<100	<10	<10	<10	<100	<20	8	<200	<100	<200	<100
Trichlorofluoromethane	<100(J)	<10(J)	<10(J)	<10	<100	<20	<5		<100(J)	<200(J)	<100(J)
Trimethylbenzene											
Trimethylbenzene Isomer											
Vinyl Acetate								<2000			
Vinyl Chloride	<100(J)	<10(J)	<10(J)	<10	<100	<20	<5	<200	<100(J)	<200(J)	<100(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-11 89/05/18 BAC/ORG	MW-11 89/10/27 BAC/ORG	MW-11 90/02/25 BAC/ORG	MW-11 90/04/18 BAC/ORG	MW-12 89/02/02 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 89/10/25 BAC/ORG	MW-12 90/02/24 BAC/ORG
1,1,1-Trichloroethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,1,2,2-Tetrachloroethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,1-Dichloroethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,1-Dichloroethylene	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<200	<500	<200	<100	<200	<100		<200	<200	<500	<100[E]
1,2-Dichloroethane	<200	<500	<200	<100	410	<100(J)	400	<200	<200	<500	<100[E]
1,2-Dichloropropane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<200	<500	<200	<100	<200	<100		<200	<200	<500	<100[E]
1,4-Dichlorobenzene	<200	<500	<200	<100	<200	<100		<200	<200	<500	<100[E]
2-Chloroethylvinyl ether	<200	<500	<200	<100	<200	<100	<1000	<200	<200	<500	<100[E]
2-Hexanone							<1000				
4-Methyl-2-Pentanone							<1000				
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C8 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<2000	<5000	<2000	<1000	<2000	<1000	7800(J)[UT]	<2000	<2000	<5000	<1000[E]
Acrolein	<4000	<10000	<4000	<2000	<4000(J)	<2000(J)		<4000	<4000	<10000	<2000[E]
Acrylonitrile	<4000	<10000	<4000	<2000	<4000	<2000		<4000	<4000	<10000	<2000[E]
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	3100	3100	2100[ET]	1600	14000	6200	10000	14000	13000	12000	11000[E]
Bromochloromethane			<200	<100							<100[E]
Bromodichloromethane	<200	<500			<200	<100	<100	<200	<200	<500	
Bromoform	<200	<500	<200	<100	<200(J)	<100	<500	<200	<200	<500	<100[E]
Bromomethane	<200	<500	<200	<100	<200(J)	<100	<1000	<200	<200	<500	<100[E]
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide							<100				
Carbon Tetrachloride	<200	<500	<200	<100	<200(J)	<100(J)	<100	<200	<200	<500	<100[E]
Chlorobenzene	29000	34000	22000	20000	6300	3200	4400	6000	5700	6000	5700[E]
Chloroethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
Chloroform	4100	2800	1200	700	8300	4900	6100	9100	8200	6100[ET]	5700[E]
Chloromethane	<400	<1000	<400	<200	<400(J)	<200(J)	<1000	<400	<400	<1000	<200[E]
cis-1,2-Dichloroethene											
cis-1,3-Dichloropropylene	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
Dichlorodifluoromethane											
Ethyl-Methyl Benzene											
Ethylbenzene	<200	<500	<200	<100	1900	900	1200	1800	1800	1600	1300[E]
Ethylmethylbenzene Isomers											
Hexane											
Hycrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone							<1000				
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<200	<500	<200	<200	<200	<100	<500	<200	<200	<500	<100[E]
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-11 89/05/18 BAC/ORG	MW-11 89/10/27 BAC/ORG	MW-11 90/02/25 BAC/ORG	MW-11 90/04/18 BAC/ORG	MW-12 89/02/02 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-12 89/05/16 ATI/SPT	MW-12 89/05/16 BAC/FD	MW-12 89/05/16 BAC/ORG	MW-12 89/10/25 BAC/ORG	MW-12 90/02/24 BAC/ORG
Propylbenzene											
S-Butyl Benzene											
Styrene							<100				
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	760	1000	800	700	<200(J)	<100	<100	<200	<200	<500	<100[E]
Toluene	<200	<500	<200	<100	17000	8000	11000	16000	16000	10000	8100[E]
Total Ethyl Methyl Benzene Isomers						1000					
Total Xylenes					10000	5000	6500	10000	9600	8700	
trans-1,2-Dichloroethylene	<200	<500	<200	<100	<200(J)	<100(J)	<100	<200	<200	<500	<100[E]
trans-1,3-Dichloropropylene	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
Trichloroethylene	<200	<500	<200	<100	<200	<100	<100	<200	<200	<500	<100[E]
Trichlorofluoromethane	<200	<500	<200	<100	<200(J)	<100(J)		<200	<200	<500	<100[E]
Trimethylbenzene								2000	2000		1000[E]
Trimethylbenzene Isomer											
Vinyl Acetate							<1000				
Vinyl Chloride	<200	<500	<200	<100	<200(J)	<100(J)	<100	<200	<200	<500	<100[E]

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG	MW-12 91/11/21 ATI/ORG	MW-12 95/12/02 BAC/ORG
1,1,1-Trichloroethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,1,2,2-Tetrachloroethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane											<2
1,1,2-Trichloroethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,1-Dichloroethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,1-Dichloroethylene	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,2,4-Trimethyl Benzene											320
1,2-Dichlorobenzene		<100	<100		<100	<100		<100	<100		<1
1,2-Dichloroethane	620	390	<100	<50	<100	<100	<50	400	400	<40	<0.5
1,2-Dichloropropane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
1,3,5-Trimethyl Benzene											100
1,3-Dichlorobenzene		<100	<100		<100	<100		<100	<100		<1
1,4-Dichlorobenzene		<100	<100		<100	<100		<100	<100		<1
2-Chloroethylvinyl ether	<50	<100	<100		<100	<100		<100	<100		<5
2-Hexanone	<500			<500			<500			<400	<5
4-Methyl-2-Pentanone	<500			<500			<500			<400	<5
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<500	<1000	<1000	<500	<1000	<1000	<1000	<1000	<1000	<800	130
Acrolein		<2000	<2000		<2000	<2000		<2000	<2000		
Acrylonitrile		<2000	<2000		<2000	<2000		<2000	<2000		<50
Aliphatic Hydrocarbon C5							200			700	
Aromatic Hydrocarbon C10							400				
Benzene	12000	11000	12000	8100	8600	8300	9000	10000	8400	5800	4100
Bromochloromethane		<100	<100								
Bromodichloromethane	<50			<50	<100	<100	<50	<100	<100	<40	<1
Bromoform	<250	<100	<100	<250	<100	<100	<250	<100	<100	<200	<1
Bromomethane	<500	<100	<100	<500	<100	<100	<500	<100	<100	<400	<1
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide	<50			<50			<50			<40	<2
Carbon Tetrachloride	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<0.5
Chlorobenzene	7600	7200	8200	5800	5300	5200	5700	6000	5700	4000	4100
Chloroethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
Chloroform	7600	4800	5000	6500	5300	5100	4500	5100	5000	2600	160
Chloromethane	<500	<200	<200	<500	<200	<200	<500	<200	<200	<400	<1
cis-1,2-Dichloroethene				<50			<50	<100	<100	<40	<1
cis-1,3-Dichloropropylene	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
Cyclic Hydrocarbon										600	
Cyclic Hydrocarbon C6				1000							
Cyclohexane											150
Dibromochloromethane	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
Dichlorodifluoromethane											<5
Ethyl-Methyl Benzene											
Ethylbenzene	6800	1300	1400	<50	1000	1000	970	1100	1100	710	<1
Ethylmethylbenzene Isomers	2500			400							
Hexane											
Hycrocarbon											
Isopropyl Benzene											<1
Methyl Ethyl Ketone	<500			<500			<1000			<800	<5
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<250	<200	<200	<250	<200	<200	<250	<200	<200	<200	<2
Methylethylbenzene										700	
n-Propylbenzene											110
Naphthalene											<2
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-12 90/04/18 ATI/SPT	MW-12 90/04/18 BAC/FD	MW-12 90/04/18 BAC/ORG	MW-12 90/11/28 ATI/SPT	MW-12 90/11/28 BAC/FD	MW-12 90/11/28 BAC/ORG	MW-12 91/04/23 ATI/SPT	MW-12 91/04/23 BAC/FD	MW-12 91/04/23 BAC/ORG	MW-12 91/11/21 ATI/ORG	MW-12 95/12/02 BAC/ORG
Propylbenzene											110
S-Butyl Benzene											7.2
Styrene	<50			<50			<50			<40	<1
T-Butyl Benzene											<1
TDC Benzene	<250			<250							
Tetrachloroethylene	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	2
Toluene	9600	9100	10000	3500	3600	3500	4100	4900	4600	1100	710
Total Ethyl Methyl Benzene Isomers											
Total Xylenes	2400	7400	8000	5000			5600	5400	5600	3700	430
trans-1,2-Dichloroethylene	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
trans-1,3-Dichloropropylene	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1
Trichloroethylene	67	<100	<100	<50	<100	<100	<50	<100	<100	<40	3.5
Trichlorofluoromethane		<100	<100		2000	<100		<100	<100		<1
Trimethylbenzene	2600			400							
Trimethylbenzene Isomer										800	
Vinyl Acetate	<500			<500			<500			<400	<10
Vinyl Chloride	<50	<100	<100	<50	<100	<100	<50	<100	<100	<40	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-13 89/02/01 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-13 89/10/25 BAC/ORG	MW-13 90/02/24 BAC/ORG	MW-13 90/04/21 BAC/ORG	MW-14 89/02/01 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD
1,1,1-Trichloroethane	<100	<500(J)	<100	<200	<200	<1000	<200(E)	<200	<25(J)	<25	<100(J)
1,1,2,2-Tetrachloroethane	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25	<25	<100
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25	<25	<100
1,1-Dichloroethane	<100	<500	<100	<200	<200	<1000	<200(E)	<200	500	<25	<100
1,1-Dichloroethylene	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25	<25	<100
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<100	<500		<200	<200	<1000	<200(E)	<200	<25		<100
1,2-Dichloroethane	<100	<500(J)	860	650	<200	<1000	<200(E)	500	<25(J)	600	470
1,2-Dichloropropane	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25(J)	<25	<100(J)
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<100	<500		<200	<200	<1000	<200(E)	<200	<25		<100
1,4-Dichlorobenzene	<100	<500		<200	<200	<1000	<200(E)	<200	<25		<100
2-Chloroethylvinyl ether	<100	<500	<1000	<200	<200	<1000	<200(E)	<200	<25	<250	<100
2-Hexanone			<1000							<250	
4-Methyl-2-Pentanone			<1000							<250	
A C5 Hyrdrocarbon									300		
A C6 H12 Hydrocarbon									400		
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon									300		
AC9H10 Aromatic											
Acetone	<1000	<5000	<1000(J)	<2000	<2000	<10000	<2000(E)	<2000	<250	<250(J)	<1000
Acrolein	<2000(J)	<10000(J)		<4000	<4000	<20000	<4000(E)	<4000	<500(J)		<2000(J)
Acrylonitrile	<2000	<10000		<4000	<4000	<20000	<4000(E)	<4000	<500		<2000
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	19000	20000	26000	24000	24000	24000	18000(E)	19000	3200	4100	4200
Bromochloromethane							<200(E)	<200			
Bromodichloromethane	<100	<500(J)	<100	<200	<200	<1000			<25(J)	<25	<100
Bromoform	<100	<500(J)	<500	<200	<200	<1000	<200(E)	<200	<25	<125	<100(J)
Bromomethane	<100	<500	<1000	<200	<200	<1000	<200(E)	<200	<25	<250	<100
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide			<100							<25	
Carbon Tetrachloride	<100(J)	<500(J)	<100	<200	<200	<1000	<200(E)	<200	<25(J)	<25	<100(J)
Chlorobenzene	2600	1700	2500	2700	2400	3200	2700(E)	2600	130	200	190
Chloroethane	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25	<25	<100
Chloroform	120	1000(J)	1400	1100	1000	1200	1000(E)	900	<25	<25	<100
Chloromethane	<200(J)	<1000	<1000	<400	<400	<2000	<400(E)	<400	<50	<250	<200(J)
cis-1,2-Dichloroethene											
cis-1,3-Dichloropropylene	<100	<500	<100	<200	<200	<1000	<200(E)	<200	<25	<25	<100
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<100	<500(J)	<100	<200	<200	<1000	<200(E)	<200	<25(J)	<25	<100
Dichlorodifluoromethane											
Ethyl-Methyl Benzene	1000								2000		
Ethylbenzene	1900	1900	2200	2100	2000	2200	1700(E)	1800	1000	1100	1400
Ethylmethylbenzene Isomers											
Hexane											
Hydrocarbon									400		
Isopropyl Benzene											
Methyl Ethyl Ketone			<1000							<250	
Methylbutane											
Methylcyclopentane											
Methylene Chloride	110(J)	<500(J)	<500	<200	<200	<1000	<200(E)	<400	<25	<125(J)	<100(J)
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-13 89/02/01 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-13 89/05/17 ATI/SPT	MW-13 89/05/17 BAC/FD	MW-13 89/05/17 BAC/ORG	MW-13 89/10/25 BAC/ORG	MW-13 90/02/24 BAC/ORG	MW-13 90/04/21 BAC/ORG	MW-14 89/02/01 BAC/ORG	MW-14 89/02/09 ATI/SPT	MW-14 89/02/09 BAC/FD
Propylbenzene											
S-Butyl Benzene											
Styrene			<100							<25	
T-Butyl Benzene											
TDC Benzene											
Tetrachloroethylene	<100	<500(J)	<100	<200	<200	<1000	<200[E]	<200	<25(J)	<25	<100
Toluene	14000	14000	18000	18000	16000	16000	12000[E]	12000	<25(J)	<25	<100
Total Ethyl Methyl Benzene Isomers											2000
Total Xylenes	8800	5000	10000	9200	9000	9000		8300	1700	1600	2000
trans-1,2-Dichloroethylene	<100(J)	<500(J)	<100	<200	<200	<1000	<200[E]	<200	<25(J)	<25	<100(J)
trans-1,3-Dichloropropylene	<100(J)	<500(J)	<100	<200	<200	<1000	<200[E]	<200	<25(J)	<25	<100
Trichloroethylene	500	<500	<100	530	490	<1000	490[E]	500	53	74	<100
Trichlorofluoromethane	<100(J)	<500(J)		<200	<200	<1000	<200[E]	<200	<25(J)		<100(J)
Trimethylbenzene	1000			2000							
Trimethylbenzene Isomer											
Vinyl Acetate			<1000							<250	
Vinyl Chloride	<100(J)	<500(J)	<100	<200	<200	<1000	<200[E]	<200	<25(J)	<25	<100(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-14 89/02/09 BAC/ORG	MW-14 89/05/16 BAC/ORG	MW-14 89/10/24 ATI/SPT	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-14 90/02/24 BAC/ORG	MW-14 90/04/17 BAC/ORG	MW-15 89/01/30 BAC/ORG	MW-15 89/02/06 BAC/ORG	MW-15 89/05/17 BAC/ORG	MW-15 89/10/24 BAC/ORG
1,1,1-Trichloroethane	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200	<200(J)	<200	<1000
1,1,2,2-Tetrachloroethane	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,1-Dichloroethane	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,1-Dichloroethylene	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<25	<25		<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,2-Dichloroethane	460(J)	450	390	360	370	500[E]	600	<200	<200(J)	<200	<1000
1,2-Dichloropropane	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<25	<25		<50	<50	<100[E]	<100	<200	<200	<200	<1000
1,4-Dichlorobenzene	<25	<25		<50	<50	<100[E]	<100	<200	<200	<200	<1000
2-Chloroethylvinyl ether	<25	<25	<500	<50	<50	<100[E]	<100	<200	<200	<200	<1000
2-Hexanone			<500								
4-Methyl-2-Pentanone			<500								
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic	400	400									
Acetone	<250	<250	<500	<500	<500	<1000[E]	<1000	<2000	<2000(J)	<2000	<10000
Acrolein	<500(J)	<500		<1000	<1000	<2000[E]	<2000	<4000(J)	<4000(J)	<4000	<20000
Acrylonitrile	<500	<500		<1000	<1000	<2000[E]	<2000	<4000	<4000	<4000	<20000
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	3500	4800	9200	6500(EP)	9500(EP)	9200[E]	9000	<200	<200	<200	<1000[EP]
Bromochloromethane						<100[E]	<100				
Bromodichloromethane	<25(J)	<25	<50	<50	<50			<200	<200	<200	<1000
Bromoform	<25(J)	<25	<250	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Bromomethane	<25	<25	<500	<50	<50	<100[E]	<100	<200	<200	<200	<1000
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide			<50								
Carbon Tetrachloride	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200(J)	<200(J)	<200	<1000
Chlorobenzene	180	180	<50[UT]	340	400	900[E]	400	25000	27000	26000	32000[EP]
Chloroethane	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Chloroform	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Chloromethane	<50	<50	<500	<100	<100	<200[E]	<200	<400(J)	<400	<400	<2000
cis-1,2-Dichloroethene											
cis-1,3-Dichloropropylene	<25	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Dichlorodifluoromethane											
Ethyl-Methyl Benzene			300								
Ethylbenzene	1100	1300	1700	1000(EP)	1500(EP)	1500[E]	2000	<200	<200	<200	<1000[EP]
Ethylmethylbenzene Isomers											
Hexane			400								
Hycrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone			<500								
Methylbutane			600								
Methylcyclopentane			800								
Methylene Chloride	<25(J)	<25	<250	<50	<50	<100[E]	<200	<200	<200	<200	<1000
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane			400								
Propane	300										

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-14 89/02/09 BAC/ORG	MW-14 89/05/18 BAC/ORG	MW-14 89/10/24 ATI/SPT	MW-14 89/10/24 BAC/FD	MW-14 89/10/24 BAC/ORG	MW-14 90/02/24 BAC/ORG	MW-14 90/04/17 BAC/ORG	MW-15 89/01/30 BAC/ORG	MW-15 89/02/06 BAC/ORG	MW-15 89/05/17 BAC/ORG	MW-15 89/10/24 BAC/ORG
Propylbenzene											
S-Butyl Benzene											
Styrene			<50								
T-Butyl Benzene											
TDC Benzene			<250								
Tetrachloroethylene	<25(J)	<25	<50	<50	<50	<100[E]	<100	250	330(J)	300	<1000
Toluene	28	51	82	62	75	200[E]	<100	<200	<200	<200	<1000
Total Ethyl Methyl Benzene Isomers	2000	2000									
Total Xylenes	2000	1600	1800	1100	1500						
trans-1,2-Dichloroethylene	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200(J)	<200(J)	<200	<1000
trans-1,3-Dichloropropylene	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200(J)	<200(J)	<200	<1000
Trichloroethylene	57	61	<50	<50	<50	<100[E]	<100	<200	<200	<200	<1000
Trichlorofluoromethane	<25(J)	<25		<50	<50	<100[E]	<100	<200(J)	<200(J)	<200	<1000
Trimethylbenzene						1000[E]					
Trimethylbenzene Isomer											
Vinyl Acetate			<500								
Vinyl Chloride	<25(J)	<25	<50	<50	<50	<100[E]	<100	<200(J)	<200(J)	<200	<1000

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-15 90/02/23 BAC/ORG	MW-15 90/04/18 BAC/ORG	MW-15 94/08/15 ATI/ORG	MW-16 90/04/05 BAC/ORG	MW-16 90/04/16 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-16 90/08/05 BAC/ORG	MW-16 90/11/30 BAC/ORG	MW-16 91/04/25 BAC/ORG	MW-16 91/11/20 ATI/ORG
1,1,1-Trichloroethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane			<1000								
1,1,2-Trichloroethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethylene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<1000	<250	<1000	<5		<5	<5	<5	<5	<5	
1,2-Dichloroethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<1000	<250	<1000	<5		<5	<5	<5	<5	<5	
1,4-Dichlorobenzene	<1000	<250	<1000	<5		<5	<5	<5	<5	<5	
2-Chloroethylvinyl ether	<1000	<250		<5	<5	<5	<5	<5	<5	<5	
2-Hexanone			<2000		<50						<50
4-Methyl-2-Pentanone			<2000		<50						<50
A C5 Hyrdrocarbon											
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon											
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<10000	<2500	<2000	<50	<50	<50	<50	<50	<50	<50	<100
Acrolein	<20000	<5000		<100		<100	<100	<100	<100	<100	
Acrylonitrile	<20000	<5000		<100		<100	<100	<100	<100	<100	
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	<1000	<250		<5		<5	<5	<5			
Bromodichloromethane			<200		<5				<5	<5	<5
Bromoform	<1000	<250	<1000	<5	<25	<5	<5	<5	<5	<5	<25
Bromomethane	<1000	<250	<2000	<5	<50	<5	<5	<5	<5	<5	<50
C4 Hydrocarbon											
C5 Cyclic Hydrocarbon											
C5 Oxygenated Hydrocarbon											
C6 Cyclic Hydrocarbon											
Carbon Disulfide			<400		<5						<5
Carbon Tetrachloride	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	22000	22000	34000	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	<1000	<250	<1000	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<1000	<250	<200	52	93	100	110	160	110	120[EB]	31
Chloromethane	<2000	<500	<2000	<10	<50	<10	<10	<10	<10	<10	<50
cis-1,2-Dichloroethene			<200							<5	<5
cis-1,3-Dichloropropylene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane											
Dibromochloromethane	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<2000								
Ethyl-Methyl Benzene											
Ethylbenzene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Ethylmethylbenzene Isomers											
Hexane											
Hycrocarbon											
Isopropyl Benzene											
Methyl Ethyl Ketone			<2000		<50						<100
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<1000	<500	<1000	<10	<25	<10	<10	<10	<10	<10	<25
Methylethylbenzene											
n-Propylbenzene											
Naphthalene											
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-15 90/02/23 BAC/ORG	MW-15 90/04/18 BAC/ORG	MW-15 94/08/15 ATI/ORG	MW-16 90/04/05 BAC/ORG	MW-16 90/04/18 ATI/SPT	MW-16 90/04/16 BAC/FD	MW-16 90/04/16 BAC/ORG	MW-16 90/08/05 BAC/ORG	MW-16 90/11/30 BAC/ORG	MW-16 91/04/25 BAC/ORG	MW-16 91/11/20 ATI/ORG
Propylbenzene											
S-Butyl Benzene											
Styrene			<400		<5						<5
T-Butyl Benzene											
TDC Benzene					<25						
Tetrachloroethylene	<1000	200	270	20	21	30	30	20	20	20	20
Toluene	<1000	<250	<400	<5	<5	<5	<5	<5	<5	<5	<10
Total Ethyl Methyl Benzene Isomers											
Total Xylenes			<200		<5					<25	<5
trans-1,2-Dichloroethylene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropylene	<1000	<250	<200	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1000	<250	<200	500	680	890	920	780	620	710	370
Trichlorofluoromethane	<1000	<250	<1000	<5		<5	<5	<5	8(EB)	<5	
Trimethylbenzene											
Trimethylbenzene Isomer											
Vinyl Acetate					<50						<50
Vinyl Chloride	<1000	<250	<1000	<5	<5	<5	<5	<5	<5	<5	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-17 90/04/05 BAC/ORG	MW-17 90/04/18 BAC/ORG	MW-17 90/08/05 BAC/ORG	MW-17 95/12/01 BAC/ORG	MW-18 90/04/05 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG	MW-18 90/08/06 BAC/ORG	MW-19 90/04/05 BAC/ORG	MW-19 90/04/20 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane				<2							
1,1,2-Trichloroethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<20	15	<10	<10	<10	<1	<1
1,2,4-Trimethyl Benzene				<1							
1,2-Dichlorobenzene	<1	<1	<1	<1	<20		<10	<10	<10	<1	<1
1,2-Dichloroethane	2	<1	2	12	<20	<5	<10	<10	<10	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
1,3,5-Trimethyl Benzene				<1							
1,3-Dichlorobenzene	<1	<1	<1	<1	<20		<10	<10	<10	<1	<1
1,4-Dichlorobenzene	<1	<1	<1	<1	<20		<10	<10	<10	<1	<1
2-Chloroethylvinyl ether	<1	<1	<1	<5	<20	<5	<10	<10	<10	<1	<1
2-Hexanone				<5		<50					
4-Methyl-2-Pentanone				<5		<50					
A C5 Hyrdrocarbon	200										
A C6 H12 Hydrocarbon											
A C6 Hydrocarbon	90		80								
A C9 H10 Hydrocarbon											
AC9H10 Aromatic											
Acetone	<10	<10	<10	40	<200	<50	<100	<100	100	<10	<10
Acrolein	<20	<20	<20		<400		<200	<200	<200	<20	<20
Acrylonitrile	<20	<20	<20	<50	<400		<200	<200	<200	<20	<20
Aliphatic Hydrocarbon C5											
Aromatic Hydrocarbon C10											
Benzene	16	32	9	8	50	<5	<10	<10	10	<1	<1
Bromochloromethane	<1	<1	<1		<20		<10	<10	<10	<1	<1
Bromodichloromethane				<1		<5					
Bromoform	<1	<1	<1	<1	<20	<25	<10	<10	<10	<1	<1
Bromomethane	<1	<1	<1	<1	<20	<50	<10	<10	<10	<1	<1
C4 Hydrocarbon	40										
C5 Cyclic Hydrocarbon			20								
C5 Oxygenated Hydrocarbon									500		
C6 Cyclic Hydrocarbon			70								
Carbon Disulfide				<2		<5					
Carbon Tetrachloride	<1	<1	<1	<0.5	<20	<5	<10	<10	<10	<1	<1
Chlorobenzene	2	2	2	7.5	<20	<5	<10	<10	<10	<1	<1
Chloroethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
Chloroform	2	8	3	<1	100	105	110	110	90	67	56
Chloromethane	<2	<2	<2	<1	<40	<50	<20	<20	<20	<2	<2
cis-1,2-Dichloroethene				<1						1	
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
Cyclic Hydrocarbon											
Cyclic Hydrocarbon C6											
Cyclohexane				40							
Dibromochloromethane	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
Dichlorodifluoromethane				<5							
Ethyl-Methyl Benzene											
Ethylbenzene	3	<1	<1	<1	20	<5	<10	<10	<10	<1	<1
Ethylmethylbenzene Isomers											
Hexane											
Hydrocarbon											
Isopropyl Benzene				2.5							
Methyl Ethyl Ketone				<5		<50					
Methylbutane											
Methylcyclopentane											
Methylene Chloride	<2	<2	<2	<2	<40	<25	<20	<20	<20	<2	<2
Methylethylbenzene											
n-Propylbenzene				<1							
Naphthalene				<2							
Pentane											
Propane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-17 90/04/05 BAC/ORG	MW-17 90/04/16 BAC/ORG	MW-17 90/08/05 BAC/ORG	MW-17 95/12/01 BAC/ORG	MW-18 90/04/05 BAC/ORG	MW-18 90/04/20 ATI/SPT	MW-18 90/04/20 BAC/FD	MW-18 90/04/20 BAC/ORG	MW-18 90/08/06 BAC/ORG	MW-19 90/04/05 BAC/ORG	MW-19 90/04/20 BAC/ORG
Propylbenzene				<1							
S-Butyl Benzene				1.4							
Styrene				<1		<5					
T-Butyl Benzene				<1							
TDC Benzene						<25					
Tetrachloroethylene	1	1	1	2.3	<20	<5	<10	<10	<10	<1	<1
Toluene	<1	1	<1	<1	<20	30	<10	<10	10	<1	<1
Total Ethyl Methyl Benzene Isomers											
Total Xylenes				<3		<5					
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1
Trichloroethylene	<1	<1	<1	<1	1200	920	1000	1000	830	25	24
Trichlorofluoromethane	<1	<1	<1	<1	<20		<10	<10	<10	<1	<1
Trimethylbenzene											
Trimethylbenzene Isomer											
Vinyl Acetate				<10		<50					
Vinyl Chloride	<1	<1	<1	<1	<20	<5	<10	<10	<10	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-19 90/08/06 BAC/ORG	MW-19 90/11/29 BAC/ORG	MW-19 91/04/25 BAC/ORG	MW-19 91/11/19 ATI/ORG	MW-19 95/11/30 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<2	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<2	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane					<2
1,1,2-Trichloroethane	<1	<1	<1	<2	<1
1,1-Dichloroethane	<1	<1	<1	<2	<1
1,1-Dichloroethylene	<1	<1	<1	<2	4.9
1,2,4-Trimethyl Benzene					<1
1,2-Dichlorobenzene	<1	<1	<1		<1
1,2-Dichloroethane	<1	<1	<1	<2	<0.5
1,2-Dichloropropane	<1	<1	<1	<2	<1
1,3,5-Trimethyl Benzene					<1
1,3-Dichlorobenzene	<1	<1	<1		<1
1,4-Dichlorobenzene	<1	<1	<1		<1
2-Chloroethylvinyl ether	<1	<1	<1		<5
2-Hexanone				<20	<5
4-Methyl-2-Pentanone				<20	<5
A C5 Hydrocarbon					
A C6 H12 Hydrocarbon					
A C6 Hydrocarbon					
A C9 H10 Hydrocarbon					
AC9H10 Aromatic					
Acetone	<10	<10	<10	<40	<20
Acrolein	<20	<20	<20		
Acrylonitrile	<20	<20	<20		<50
Aliphatic Hydrocarbon C5					
Aromatic Hydrocarbon C10					
Benzene	<1	<1	<1	<2	<1
Bromochloromethane	<1				
Bromodichloromethane		<1	<1	<2	<1
Bromoform	<1	<1	<1	<10	<1
Bromomethane	<1	<1	<1	<20	<1
C4 Hydrocarbon					
C5 Cyclic Hydrocarbon					
C5 Oxygenated Hydrocarbon					
C6 Cyclic Hydrocarbon					
Carbon Disulfide				<2	<2
Carbon Tetrachloride	<1	<1	<1	<2	<0.5
Chlorobenzene	<1	<1	<1	9	3.4
Chloroethane	<1	<1	<1	<2	<1
Chloroform	56	200	52[EB]	230	47
Chloromethane	<2	<2	<2	<20	<1
cis-1,2-Dichloroethene	1		2	<2	2.2
cis-1,3-Dichloropropylene	<1	<1	<1	<2	<1
Cyclic Hydrocarbon					
Cyclic Hydrocarbon C6					
Cyclohexane					<5
Dibromochloromethane	<1	<1	<1	<2	<1
Dichlorodifluoromethane					<5
Ethyl-Methyl Benzene					
Ethylbenzene	<1	<1	<1	<2	<1
Ethylmethylbenzene Isomers					
Hexane					
Hycrocarbon					
Isopropyl Benzene					<1
Methyl Ethyl Ketone				<40	<5
Methylbutane					
Methylcyclopentane					
Methylene Chloride	<2	<2	<2	<10	<2
Methylethylbenzene					
n-Propylbenzene					<1
Naphthalene					<2
Pentane					
Propane					

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-19 90/08/06 BAC/ORG	MW-19 90/11/29 BAC/ORG	MW-19 91/04/25 BAC/ORG	MW-19 91/11/19 ATI/ORG	MW-19 95/11/30 BAC/ORG
Propylbenzene					<1
S-Butyl Benzene					<1
Styrene				<2	<1
T-Butyl Benzene					<1
TDC Benzene					
Tetrachloroethylene	<1	<1	<1	<2	<1
Toluene	<1	<1	<1	<4	<1
Total Ethyl Methyl Benzene Isomers					
Total Xylenes			<5	<2	<3
trans-1,2-Dichloroethylene	<1	<1	<1	<2	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<2	<1
Trichloroethylene	28	17	35	14	13
Trichlorofluoromethane	<1	<1	<1		<1
Trimethylbenzene					
Trimethylbenzene Isomer					
Vinyl Acetate				<20	<10
Vinyl Chloride	<1	<1	<1	<2	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/04/06 BAC/ORG	MW-20 90/08/06 ATI/SPT	MW-20 90/08/06 BAC/FD	MW-20 90/08/06 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-21 90/08/06 BAC/ORG	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-22 90/04/18 BAC/ORG	MW-22 90/08/05 BAC/ORG
1,1,1-Trichloroethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10000	<10000	<20000	<20000	<2000	<2000	4	4	4	3	3
1,1-Dichloroethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,2,3-Trimethylbenzene											
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<10000		<20000	<20000	<2000	<2000		<1	<1	<1	<1
1,2-Dichloroethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,2-Dichloropropane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10000		<20000	<20000	<2000	<2000		<1	<1	<1	<1
1,4-Dichlorobenzene	<10000		<20000	<20000	<2000	<2000		<1	<1	<1	<1
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2-Chloroethylvinyl ether	<10000		<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
2-Hexanone		<100000					<10				
2-Methylbutane											
4-Ethyl-1,2-Dimethylbenzene											
4-Methyl-2-Pentanone		<100000					<10				
A 2nd C5H10 Hydrocarbon											
A C10 Hydrocarbon						34000					
A C5 Hyrdrocarbon											
Acetone	<100000	<100000	200000	200000	<20000	<20000	<10	<10	<10	<10	<10
Acrolein	<200000		<400000	<400000	<40000	<40000		<20	<20	<20	<20
Acrylonitrile	<200000		<400000	<400000	<40000	<40000		<20	<20	<20	<20
Aliphatic Hydrocarbon C4											
Aliphatic Hydrocarbon C5											
Benzene	1100000	1200000	1600000	1800000	230000	180000	<1	<1	<1	<1	<1
Bromochloromethane	<10000		<20000	<20000	<2000	<2000		<1	<1	<1	<1
Bromodichloromethane		<10000					<1				
Bromoform	<10000	<50000	<20000	<20000	<2000	<2000	<5	<1	<1	<1	<1
Bromomethane	<10000	<100000	<20000	<20000	<2000	<2000	<10	<1	<1	<1	<1
Butane											
C10 Alcohol						100000					
C3 Alkylated Benzenes(3)											
C4 Alkylated Benzene						20000					
C4 Hydrocarbon											
C4 Ketone											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
C7 Cyclic Hydrocarbon											
Carbon Disulfide		<10000					<1				
Carbon Tetrachloride	<10000	<10000	<20000	<20000	<2000	<2000	1	1	1	1	1
Chlorobenzene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Chloroethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Chloroform	<10000	<10000	<20000	<20000	<2000	<2000	55	47	48	45	37
Chloromethane	<20000	<100000	<40000	<40000	<4000	<4000	<10	<2	<2	<2	<2
cis-1,2-Dichloroethene		<10000									
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Dibromochloromethane	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Dichlorodifluoromethane											
Ethyl Cyclobutane											
Ethylbenzene	<10000	<10000	<20000	<20000	46000	44000	<1	<1	<1	<1	<1
Hexane											
Isopropyl Benzene											
Methyl Ethyl Ketone		<100000					<10				
Methylbutane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-20 90/04/05 BAC/ORG	MW-20 90/08/06 ATI/SPT	MW-20 90/08/06 BAC/FD	MW-20 90/08/06 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-21 90/08/06 BAC/ORG	MW-22 90/04/05 ATI/SPT	MW-22 90/04/05 BAC/FD	MW-22 90/04/05 BAC/ORG	MW-22 90/04/19 BAC/ORG	MW-22 90/08/05 BAC/ORG
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<20000	<50000	<40000	<40000	<4000	<4000	<5	<2	<2	<2	<2
Methylpropane											
n-Propylbenzene											
Naphthalene											
Pentane											
Pentene (mixed isomers)											
Propylbenzene											
S-Butyl Benzene											
Styrene		<10000					<1				
T-Butyl Benzene											
TDC Benzene		<50000					<5				
Tetrachloroethylene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Toluene	<10000	<10000	<20000	<20000	<2000	<2000	<1	1	1	<1	<1
Total Xylenes		<10000					<1				
trans-1,2-Dichloroethylene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1
Trichloroethylene	<10000	<10000	<20000	<20000	<2000	<2000	7	6	7	13	11
Trichlorofluoromethane	<10000		<20000	<20000	<2000	<2000		<1	<1	<1	<1
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate		<100000					<10				
Vinyl Chloride	<10000	<10000	<20000	<20000	<2000	<2000	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-23 89/10/26 BAC/ORG	MW-23 89/11/14 BAC/ORG	MW-23 90/02/25 BAC/ORG	MW-23 90/04/18 BAC/ORG	MW-23 90/08/05 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-23 91/04/25 BAC/ORG	MW-23 91/11/21 ATI/ORG	MW-24 89/10/26 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trimethylbenzene											
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1		<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1		<1
1,4-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1		<1
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2-Chloroethylvinyl ether	<1	<1	<1	<1	<1		<1	<1	<1		<1
2-Hexanone						<10				<10	
2-Methylbutane											
4-Ethyl-1,2-Dimethylbenzene											
4-Methyl-2-Pentanone						<10				<10	
A 2nd C5H10 Hydrocarbon											
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10
Acrolein	<20	<20	<20	<20	<20		<20	<20	<20		<20
Acrylonitrile	<20	<20	<20	<20	<20		<20	<20	<20		<20
Aliphatic Hydrocarbon C4											
Aliphatic Hydrocarbon C5											
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane			<1	<1	<1						
Bromodichloromethane	<1	<1				<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<5	<1	<1	<1	<5	<1
Bromomethane	<1	<1	<1	<1	<1	<10	<1	<1	<1	<10	<1
Butane											
C10 Alcohol											
C3 Alkylated Benzenes(3)											
C4 Alkylated Benzene											
C4 Hydrocarbon											
C4 Ketone											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
C7 Cyclic Hydrocarbon											
Carbon Disulfide						<1				<1	
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	4
Chloromethane	<2	<2	<2	<2	<2	<10	<2	<2	<2	<10	<2
cis-1,2-Dichloroethene						<1			<1	<1	
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											
Ethyl Cyclobutane											
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexane											
Isopropyl Benzene											
Methyl Ethyl Ketone						<10				<20	
Methylbutane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-23 89/10/26 BAC/ORG	MW-23 89/11/14 BAC/ORG	MW-23 90/02/25 BAC/ORG	MW-23 90/04/18 BAC/ORG	MW-23 90/08/05 BAC/ORG	MW-23 90/12/03 ATI/SPT	MW-23 90/12/03 BAC/FD	MW-23 90/12/03 BAC/ORG	MW-23 91/04/25 BAC/ORG	MW-23 91/11/21 ATI/ORG	MW-24 89/10/26 BAC/ORG
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<1	<1	<1	<2	<2	<5	<2	<2	<2	<5	<1
Methylpropane											
n-Propylbenzene											
Naphthalene											
Pentane											
Pentene (mixed isomers)											
Propylbenzene											
S-Butyl Benzene											
Styrene						<1				<1	
T-Butyl Benzene											
TDC Benzene						<5					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
Total Xylenes						<1			<5	<1	
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1		<1	<1	<1		<1
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate						<10				<10	
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-24 89/11/14 BAC/ORG	MW-24 90/02/25 BAC/ORG	MW-24 90/04/17 BAC/ORG	MW-24 90/08/04 BAC/ORG	MW-24 95/12/01 BAC/ORG	MW-25 89/10/28 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,1,2-Trichloro-1,2,2-Trifluoroethane					<2						
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,1-Dichloroethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,2,3-Trimethylbenzene											
1,2,4-Trimethyl Benzene					<1						
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<20		<50	<50		<20
1,2-Dichloroethane	<1	<1	<1	<1	<0.5	<20	120	140	130	150	120
1,2-Dichloropropane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
1,3,5-Trimethyl Benzene					<1						
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<20		<50	<50		<20
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<20		<50	<50		<20
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2-Chloroethylvinyl ether	<1	<1	<1	<1	<5	<20	<100	<50	<50	<100	<20
2-Hexanone					<5		<100			<100	
2-Methylbutane						800					
4-Ethyl-1,2-Dimethylbenzene											
4-Methyl-2-Pentanone					<5		<100			<100	
A 2nd C5H10 Hydrocarbon						600					
A C10 Hydrocarbon											
A C5 Hyrdocarbon								2000			
Acetone	<10	<10	<10	<10	<20	<200	<100	<500	<500	<100	<200
Acrolein	<20	<20	<20	<20		<400		<1000	<1000		<400
Acrylonitrile	<20	<20	<20	<20	<50	<400		<1000	<1000		<400
Aliphatic Hydrocarbon C4										2000	
Aliphatic Hydrocarbon C5											
Benzene	<1	<1	<1	<1	<1	2200	1800	2200	1600	1900	1600
Bromochloromethane		<1	<1	<1							<20
Bromodichloromethane	<1				<1	<20	<10	<50	<50	<10	
Bromoform	<1	<1	<1	<1	<1	<20	<50	<50	<50	<50	<20
Bromomethane	<1	<1	<1	<1	<1	<20	<100	<50	<50	<100	<20
Butane						1000					
C10 Alcohol											
C3 Alkylated Benzenes(3)											
C4 Alkylated Benzene											
C4 Hydrocarbon											
C4 Ketone											
C5 H10 Hydrocarbon's						700					
C6 Cyclic Hydrocarbon											
C7 Cyclic Hydrocarbon											
Carbon Disulfide					<2		<10			<10	
Carbon Tetrachloride	<1	<1	<1	<1	<0.5	<20	<10	<50	<50	<10	<20
Chlorobenzene	<1	<1	<1	1	1.3	990[EB]	760	860	690	1000	860[EA]
Chloroethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Chloroform	2	2	2	2	<1	510	410	470	380	490	380
Chloromethane	<2	<2	<2	<2	<1	<40	<100	<100	<100	<100	<40
cis-1,2-Dichloroethene					<1						
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Cyclic Hydrocarbon											
Cyclohexane					<5	400		800			
Cyclopentane										400	
Dibromochloromethane	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Dichlorodifluoromethane					<5						
Ethyl Cyclobutane								1000			
Ethylbenzene	<1	<1	<1	<1	<1	58	56	60	<50	47	50
Hexane							600			400	
Isopropyl Benzene					<1						
Methyl Ethyl Ketone					<5		<100			<100	
Methylbutane								2000			

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-24 89/11/14 BAC/ORG	MW-24 90/02/25 BAC/ORG	MW-24 90/04/17 BAC/ORG	MW-24 90/08/04 BAC/ORG	MW-24 95/12/01 BAC/ORG	MW-25 89/10/28 BAC/ORG	MW-25 89/11/16 ATI/SPT	MW-25 89/11/16 BAC/FD	MW-25 89/11/16 BAC/ORG	MW-25 90/02/22 ATI/SPT	MW-25 90/02/22 BAC/FD
Methylcyclohexane											
Methylcyclopentane						800	500		500		
Methylene Chloride	<1	<1	<2	<2	<2	<20	<50	<50	<50	<50	<20
Methylpropane							1800				
n-Propylbenzene					<1						
Naphthalene					<2						
Pentane							600			500	
Pentene (mixed isomers)											
Propylbenzene					<1						
S-Butyl Benzene					<1						
Styrene					<1		<10			<10	
T-Butyl Benzene					<1						
TDC Benzene							<50			<50	
Tetrachloroethylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Toluene	<1	<1	<1	<1	<1	1900	1700	2200[EP]	1500[EP]	1900	1600
Total Xylenes					<3	1800	1700	1400	1300	1800	
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Trichloroethylene	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20
Trichlorofluoromethane	<1	<1	<1	<1	<1	<20		<50	<50		<20
Trimethylbenzene						200					
Unknown (as appropriate w/method)									800		
Vinyl Acetate					<10		<100			<100	
Vinyl Chloride	<1	<1	<1	<1	<1	<20	<10	<50	<50	<10	<20

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-25 90/02/22 BAC/ORG	MW-25 90/04/17 BAC/ORG	MW-25 90/08/06 BAC/ORG	MW-25 95/12/01 BAC/FD	MW-25 95/12/01 BAC/ORG	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-26 89/11/15 BAC/ORG	MW-26 90/02/24 BAC/ORG	MW-26 90/04/17 BAC/ORG
1,1,1-Trichloroethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,1,2,2-Tetrachloroethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane				<2	<4						
1,1,2-Trichloroethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,1-Dichloroethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,1-Dichloroethylene	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,2,3-Trimethylbenzene											
1,2,4-Trimethyl Benzene				28	35						
1,2-Dichlorobenzene	<20	<20	<20	<1	<2		<1	<1	<1	<1[E]	<1
1,2-Dichloroethane	130	100	200	<0.5	<1	<1	<1	<1	<1	<1[E]	<1
1,2-Dichloropropane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
1,3,5-Trimethyl Benzene				26	28						
1,3-Dichlorobenzene	<20	<20	<20	<1	<2		<1	<1	<1	<1[E]	<1
1,4-Dichlorobenzene	<20	<20	<20	<1	<2		<1	<1	<1	<1[E]	<1
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2-Chloroethylvinyl ether	<20	<20	<20	<5	<10	<10	<1	<1	<1	<1[E]	<1
2-Hexanone				<5	<10	<10					
2-Methylbutane											
4-Ethyl-1,2-Dimethylbenzene											
4-Methyl-2-Pentanone				<5	<10	<10					
A 2nd C5H10 Hydrocarbon											
A C10 Hydrocarbon											
A C5 Hyrdrocarbon											
Acetone	<200	<200	<200	140	<40	<10	<10	<10	<10	<10[E]	<10
Acrolein	<400	<400	<400				<20	<20	<20	<20[E]	<20
Acrylonitrile	<400	<400	<400	<50	<100		<20	<20	<20	<20[E]	<20
Aliphatic Hydrocarbon C4											
Aliphatic Hydrocarbon C5											
Benzene	1800	1900	2100	190	170	<1	<1	<1	<1	<1[E]	<1
Bromochloromethane	<20	<20	<20							<1[E]	<1
Bromodichloromethane				<1	<2	<1	<1	<1	<1		
Bromoform	<20	<20	<20	<1	<2	<5	<1	<1	<1	<1[E]	<1
Bromomethane	<20	<20	<20	<1	<2	<10	<1	<1	<1	<1[E]	<1
Butane											
C10 Alcohol											
C3 Alkylated Benzenes(3)			800								
C4 Alkylated Benzene											
C4 Hydrocarbon			2000								
C4 Ketone			1000								
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon			2000								
C7 Cyclic Hydrocarbon			300								
Carbon Disulfide				<2	<4	<1					
Carbon Tetrachloride	<20	<20	<20	<0.5	<1	<1	<1	<1	<1	<1[E]	<1
Chlorobenzene	920[EA]	990	990	59	44	5	7[EB]	4[EB]	4	9[E]	6
Chloroethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
Chloroform	400	390	410	18	14	<1	<1	<1	<1	<1[E]	<1
Chloromethane	<40	<40	<40	<1	<2	<10	<2	<2	<2	<2[E]	<2
cis-1,2-Dichloroethene				<1	<2						
cis-1,2-Dimethylcyclopropane											
cis-1,3-Dichloropropylene	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
Cyclic Hydrocarbon											
Cyclohexane				370	510						
Cyclopentane											
Dibromochloromethane	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
Dichlorodifluoromethane				<5	<10						
Ethyl Cyclobutane											
Ethylbenzene	50	60	60	7.2	3.9	<1	<1	<1	<1	<1[E]	<1
Hexane											
Isopropyl Benzene				4.6	4.6						
Methyl Ethyl Ketone				<5	<10	<10			10[UB]		
Methylbutane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-25 90/02/22 BAC/ORG	MW-25 90/04/17 BAC/ORG	MW-25 90/08/06 BAC/ORG	MW-25 95/12/01 BAC/FD	MW-25 95/12/01 BAC/ORG	MW-26 89/10/28 ATI/SPT	MW-26 89/10/28 BAC/FD	MW-26 89/10/28 BAC/ORG	MW-26 89/11/15 BAC/ORG	MW-26 90/02/24 BAC/ORG	MW-26 90/04/17 BAC/ORG
Methylcyclohexane											
Methylcyclopentane											
Methylene Chloride	<20	<40	<40	<2	<4	<5	<1	<1	<1	<1[E]	<2
Methylpropane											
n-Propylbenzene				5.8	5.6						
Naphthalene				23	8.3						
Pentane											
Pentene (mixed isomers)											
Propylbenzene				5.8	5.6						
S-Butyl Benzene				1.8	<2						
Styrene				<1	<2	<1					
T-Butyl Benzene				<1	<2						
TDC Benzene						<5					
Tetrachloroethylene	<20	<20	<20	<1	<2	<1	1	<1	1	<1[E]	<1
Toluene	1700	1800	1800	110	110	<1	1[E]	<1	<1	<1[E]	<1
Total Xylenes				60	72	<1					
trans-1,2-Dichloroethylene	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
trans-1,3-Dichloropropylene	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
Trichloroethylene	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1
Trichlorofluoromethane	<20	<20	<20	<1	<2		<1	<1	<1	<1[E]	<1
Trimethylbenzene											
Unknown (as appropriate w/method)											
Vinyl Acetate				<10	<20	<10					
Vinyl Chloride	<20	<20	<20	<1	<2	<1	<1	<1	<1	<1[E]	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-26 90/08/04 BAC/ORG	MW-26 90/12/01 BAC/ORG	MW-26 91/04/25 BAC/ORG	MW-26 91/11/19 ATI/ORG	MW-26 95/12/01 BAC/ORG	MW-27 91/09/24 ATI/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD	MW-27 91/10/09 ATI/ORG	MW-27 95/12/02 BAC/ORG	MW-28 91/11/19 ATI/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,1,2-Trichloro-1,2,2-Trifluoroethane					<2					<2	
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,1-Dichloroethane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,2,3-Trimethylbenzene							67				
1,2,4-Trimethyl Benzene					<1					<1	
1,2-Dichlorobenzene	<1	<1	<1		<1		<5			<1	
1,2-Dichloroethane	<1	<1	<1	<1	<0.5	<2	<5	<2	<2	<0.5	<1000
1,2-Dichloropropane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
1,3,5-Trimethyl Benzene					<1					<1	
1,3-Dichlorobenzene	<1	<1	<1		<1		<5			<1	
1,4-Dichlorobenzene	<1	<1	<1		<1		<5			<1	
1-Ethyl-2-Methyl Benzenze							66				
1-Ethyl-4-Methyl Benzene							33				
2-Chloroethylvinyl ether	<1	<1	<1		<5		<10			<5	
2-Hexanone				<10	<5	<20		<20	<20	<5	<10000
2-Methylbutane											
4-Ethyl-1,2-Dimethylbenzene							21				
4-Methyl-2-Pentanone				<10	<5	<20		<20	<20	<5	<10000
A 2nd C5H10 Hydrocarbon											
A C10 Hydrocarbon											
A C5 Hyrdocarbon											
Acetone	<10	<10	<10	<20	<20	<40	<100	<40	<40	38	<20000
Acrolein	<20	<20	<20								
Acrylonitrile	<20	<20	<20		<50					<50	
Aliphatic Hydrocarbon C4						300					
Aliphatic Hydrocarbon C5						200		100	100		
Benzene	<1	<1	<1	<1	<1	170	130	140	140	20	68000
Bromochloromethane	<1										
Bromodichloromethane		<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
Bromoform	<1	<1	<1	<5	<1	<10	<5	<10	<10	<1	<5000
Bromomethane	<1	<1	<1	<10	<1	<20	<10	<20	<20	<1	<10000
Butane											
C10 Alcohol											
C3 Alkylated Benzenes(3)											
C4 Alkylated Benzene											
C4 Hydrocarbon											
C4 Ketone											
C5 H10 Hydrocarbon's											
C6 Cyclic Hydrocarbon											
C7 Cyclic Hydrocarbon											
Carbon Disulfide				<1	<2	<2		<2	<2	<2	<1000
Carbon Tetrachloride	<1	<1	<1	<1	<0.5	<2	<5	<2	<2	<0.5	<1000
Chlorobenzene	5	<1	<1	<1	4.4	15	9.8	9	10	3.9	<1000
Chloroethane	<1	<1	<1	<1	<1	<2	<10	<2	<2	<1	<1000
Chloroform	<1	<1	<1	<1	<1	87	91	76	78	<1	<1000
Chloromethane	<2	<2	<2	<10	<1	<20	<10	<20	<20	<1	<10000
cis-1,2-Dichloroethene			<1	<1	<1	<2		<2	<2	<1	<1000
cis-1,2-Dimethylcyclopropane							88				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
Cyclic Hydrocarbon						300		100	100		
Cyclohexane					<5		120			24	
Cyclopentane											
Dibromochloromethane	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
Dichlorodifluoromethane					<5					<5	
Ethyl Cyclobutane											
Ethylbenzene	<1	<1	<1	<1	<1	<2	6.1	<2	<2	<1	5000
Hexane											
Isopropyl Benzene					<1					<1	
Methyl Ethyl Ketone				<20	<5	<40		<40	<40	<5	<20000
Methylbutane											

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-26 90/08/04 BAC/ORG	MW-26 90/12/01 BAC/ORG	MW-26 91/04/25 BAC/ORG	MW-26 91/11/19 ATI/ORG	MW-26 95/12/01 BAC/ORG	MW-27 91/09/24 ATI/ORG	MW-27 91/10/09 APPL/SPT	MW-27 91/10/09 ATI/FD	MW-27 91/10/09 ATI/ORG	MW-27 95/12/02 BAC/ORG	MW-28 91/11/19 ATI/ORG
Methylcyclohexane							27				
Methylcyclopentane											
Methylene Chloride	<2	<2	<2	<5	<2	<10	29(EB)	<10	<10	<2	<5000
Methylpropane											
n-Propylbenzene					<1					<1	
Naphthalene					<2					<2	
Pentane											
Pentane (mixed isomers)						200					
Propylbenzene					<1					<1	
S-Butyl Benzene					<1					<1	
Styrene				<1	<1	<2		<2	<2	<1	<1000
T-Butyl Benzene					<1					<1	
TDC Benzene											
Tetrachloroethylene	<1	1	1	1	2	<2	<5	<2	<2	<1	<1000
Toluene	<1	<1	<1	<2	<1	180	150	170	170	3.5	<2000
Total Xylenes			<5	<1	<3	260	180	200	210	<3	<1000
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<2	<5	<2	<2	<1	<1000
Trichloroethylene	<1	<1	<1	<1	<1	10	9.8	8	8	7.9	<1000
Trichlorofluoromethane	<1	<1	<1		<1		<10			<1	
Trimethylbenzene											
Unknown (as appropriate w/method)							150				
Vinyl Acetate				<10	<10	<20		<20	<20	<10	<10000
Vinyl Chloride	<1	<1	<1	<1	<1	<2	<10	<2	<2	<1	<1000

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-28 91/11/21 ATI/ORG	MW-29 91/10/03 ATI/ORG	MW-29 91/10/09 ATI/ORG
1,1,1-Trichloroethane	<1000	<500	<250
1,1,2,2-Tetrachloroethane	<1000	<500	<250
1,1,2-Trichloro-1,2,2-Trifluoroethane			
1,1,2-Trichloroethane	<1000	<500	<250
1,1-Dichloroethane	<1000	<500	<250
1,1-Dichloroethylene	<1000	<500	<250
1,2,3-Trimethylbenzene			
1,2,4-Trimethyl Benzene			
1,2-Dichlorobenzene			
1,2-Dichloroethane	<1000	<500	<250
1,2-Dichloropropane	<1000	<500	<250
1,3,5-Trimethyl Benzene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
1-Ethyl-2-Methyl Benzenze			
1-Ethyl-4-Methyl Benzene			
2-Chloroethylvinyl ether			
2-Hexanone	<10000	<5000	<2500
2-Methylbutane			
4-Ethyl-1,2-Dimethylbenzene			
4-Methyl-2-Pentanone	<10000	<5000	<2500
A 2nd C5H10 Hydrocarbon			
A C10 Hydrocarbon			
A C5 Hyrdrocarbon			
Acetone	<20000	<10000	<5000
Acrolein			
Acrylonitrile			
Aliphatic Hydrocarbon C4			
Aliphatic Hydrocarbon C5			
Benzene	60000	72000	59000
Bromochloromethane			
Bromodichloromethane	<1000	<500	<250
Bromoform	<5000	<2500	<1200
Bromomethane	<10000	<5000	<2500
Butane			
C10 Alcohol			
C3 Alkylated Benzenes(3)			
C4 Alkylated Benzene			
C4 Hydrocarbon			
C4 Ketone			
C5 H10 Hydrocarbon's			
C6 Cyclic Hydrocarbon			
C7 Cyclic Hydrocarbon			
Carbon Disulfide	<1000	<500	<250
Carbon Tetrachloride	<1000	<500	<250
Chlorobenzene	<1000	<500	<250
Chloroethane	<1000	<500	<250
Chloroform	<1000	<500	<250
Chloromethane	<10000	<5000	<2500
cis-1,2-Dichloroethene	<1000	<500	<250
cis-1,2-Dimethylcyclopropane			
cis-1,3-Dichloropropylene	<1000	<500	<250
Cyclic Hydrocarbon			
Cyclohexane			
Cyclopentane			
Dibromochloromethane	<1000	<500	<250
Dichlorodifluoromethane			
Ethyl Cyclobutane			
Ethylbenzene	5000	<500	<250
Hexane			
Isopropyl Benzene			
Methyl Ethyl Ketone	<20000	<10000	<5000
Methylbutane			

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-28 91/11/21 ATI/ORG	MW-29 91/10/03 ATI/ORG	MW-29 91/10/09 ATI/ORG
Methylcyclohexane			
Methylcyclopentane			
Methylene Chloride	<5000	<2500	<1200
Methylpropane			
n-Propylbenzene			
Naphthalene			
Pentane			
Pentene (mixed isomers)			
Propylbenzene			
S-Butyl Benzene			
Styrene	<1000	<500	<250
T-Butyl Benzene			
TDC Benzene			
Tetrachloroethylene	<1000	<500	<250
Toluene	<2000	<1000	<500
Total Xylenes	<1000	<500	<250
trans-1,2-Dichloroethylene	<1000	<500	<250
trans-1,3-Dichloropropylene	<1000	<500	<250
Trichloroethylene	<1000	<500	<250
Trichlorofluoromethane			
Trimethylbenzene			
Unknown (as appropriate w/method)			
Vinyl Acetate	<10000	<5000	<2500
Vinyl Chloride	<1000	<500	<250

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-30 91/10/03 APPL/SPT	MW-30 91/10/03 ATI/FD	MW-30 91/10/03 ATI/ORG	MW-30 91/10/17 ATI/ORG	MW-30 92/07/22 ATI/ORG	MW-30 93/01/26 ATI/FD	MW-30 93/01/26 ATI/ORG	MW-30 93/01/26 ENCO/SPT	UBT-01 90/05/30 BAC/ORG	UBT-01 90/06/03 BAC/ORG	UBT-01 90/06/04 BAC/ORG
1,1,1-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,1,2-Trichloro-1,2,2-Trifluoroethane						<5	<5				
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,1-Dichloroethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,1-Dichloroethylene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene	<5					<5	<5		<2000	<20000	<5000
1,2-Dichloroethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,2-Dichloropropane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<5					<5	<5		<2000	<20000	<5000
1,4-Dichlorobenzene	<5					<5	<5		<2000	<20000	<5000
2-Chloroethylvinyl ether	<10							<10	<2000	<20000	<5000
2-Hexanone		<10	<10	<10	<10	<10	<10	<10			
4-Methyl-2-Pentanone		<10	<10	<10	<10	<10	<10	<10			
Acetone	<100	<20	<20	<20	<10	<10	<10	<10	<20000	<200000	<50000
Acrolein									<40000	<400000	<100000
Acrylonitrile									<40000	<400000	<100000
Aromatic Hydrocarbon						40					
Benzene	9.1	10	9	<1	<1	<1	<1	<5	<2000	<20000	<5000
Bromochloromethane									<2000	<20000	<5000
Bromodichloromethane	<5	<1	<1	<1	<1	<1	<1	<5			
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<2000	<20000	<5000
Bromomethane	<10	<10	<10	<10	<10	<10	<10	<10	<2000	<20000	<5000
Carbon Disulfide		<1	<1	<1	<1	<1	<1	<5			
Carbon Tetrachloride	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Chlorobenzene	<5	<1	<1	<1	<1	<1	<1	<5	330000	750000	480000
Chloroethane	<10	<1	<1	<1	<5	<5	<5	<10	<2000	<20000	<5000
Chloroform	<5	<1	<1	<1	<1	<1	<1	<5	12000	<20000	10000
Chloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<4000	<40000	<10000
cis-1,2-Dichloroethene		<1	<1	<1	<1	<1	<1				
cis-1,3-Dichloropropylene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Cyclohexane											
Dibromochloromethane	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Dichlorodifluoromethane						<10	<10				
Ethylbenzene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Isopropyl Benzene											
Methyl Ethyl Ketone		<20	<20	<20	<10	<10	<10	<10			
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<4000	<40000	<10000
n-Propylbenzene											
Naphthalene											
Propylbenzene											
S-Butyl Benzene											
Styrene		<1	<1	<1	<1	<1	<1	<5			
T-Butyl Benzene											
Tetrachloroethylene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Toluene	<5	<2	<2	<2	<2	<2	<2	<5	<2000	<20000	<5000
Total 1,2-Dichloroethane								<5			
Total Xylenes	<5	<1	<1	<1	<1	<2	<2	<5			
trans-1,2-Dichloroethylene	<5	<1	<1	<1	<1	<1	<1		<2000	<20000	<5000
trans-1,3-Dichloropropylene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Trichloroethylene	<5	<1	<1	<1	<1	<1	<1	<5	<2000	<20000	<5000
Trichlorofluoromethane	<10					<5	<5	<5	<2000	<20000	<5000
Unknown (as appropriate w/method)	10										
Vinyl Acetate		<10	<10	<10				<10			
Vinyl Chloride	<10	<1	<1	<1	<5	<5	<5	<10	<2000	<20000	<5000

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	UBT-01 90/08/05 BAC/ORG	UBT-01 90/06/06 BAC/ORG	UBT-01 90/06/07 BAC/ORG	UBT-01 90/06/08 BAC/ORG	UBT-03 95/12/04 BAC/ORG
1,1,1-Trichloroethane	<10000	<10000	<10000	<10000	<100
1,1,2,2-Tetrachloroethane	<10000	<10000	<10000	<10000	<100
1,1,2-Trichloro-1,2,2-Trifluoroethane					<200
1,1,2-Trichloroethane	<10000	<10000	<10000	<10000	<100
1,1-Dichloroethane	<10000	<10000	<10000	<10000	<100
1,1-Dichloroethylene	<10000	<10000	<10000	<10000	<100
1,2,4-Trimethyl Benzene					<100
1,2-Dichlorobenzene	<10000	<10000	<10000	<10000	<100
1,2-Dichloroethane	<10000	<10000	<10000	<10000	<50
1,2-Dichloropropane	<10000	<10000	<10000	<10000	<100
1,3,5-Trimethyl Benzene					<100
1,3-Dichlorobenzene	<10000	<10000	<10000	<10000	<100
1,4-Dichlorobenzene	<10000	<10000	<10000	<10000	170
2-Chloroethylvinyl ether	<10000	<10000	<10000	<10000	<500
2-Hexanone					<500
4-Methyl-2-Pentanone					<500
Acetone	<100000	<100000	<100000	<100000	<2000
Acrolein	<200000	<200000	<200000	<200000	
Acrylonitrile	<200000	<200000	<200000	<200000	<5000
Aromatic Hydrocarbon					
Benzene	<10000	<10000	<10000	<10000	230
Bromochloromethane	<10000	<10000	<10000	<10000	
Bromodichloromethane					<100
Bromoform	<10000	<10000	<10000	<10000	<100
Bromomethane	<10000	<10000	<10000	<10000	<100
Carbon Disulfide					<200
Carbon Tetrachloride	<10000	<10000	<10000	<10000	<50
Chlorobenzene	340000	350000	1000000	380000	220000
Chloroethane	<10000	<10000	<10000	<10000	<100
Chloroform	11000	12000	12000	11000	35000
Chloromethane	<20000	<20000	<20000	<20000	<100
cis-1,2-Dichloroethene					<100
cis-1,3-Dichloropropylene	<10000	<10000	<10000	<10000	<100
Cyclohexane					<500
Dibromochloromethane	<10000	<10000	<10000	<10000	<100
Dichlorodifluoromethane					<500
Ethylbenzene	<10000	<10000	<10000	<10000	<100
Isopropyl Benzene					<100
Methyl Ethyl Ketone					<500
Methylene Chloride	<20000	<20000	<20000	<20000	<200
n-Propylbenzene					<100
Naphthalene					<200
Propylbenzene					<100
S-Butyl Benzene					<100
Styrene					<100
T-Butyl Benzene					<100
Tetrachloroethylene	<10000	<10000	<10000	<10000	140
Toluene	<10000	<10000	<10000	<10000	<100
Total 1,2-Dichloroethene					
Total Xylenes					<300
trans-1,2-Dichloroethylene	<10000	<10000	<10000	<10000	<100
trans-1,3-Dichloropropylene	<10000	<10000	<10000	<10000	<100
Trichloroethylene	<10000	<10000	<10000	<10000	<100
Trichlorofluoromethane	<10000	<10000	<10000	<10000	<100
Unknown (as appropriate w/method)					
Vinyl Acetate					<1000
Vinyl Chloride	<10000	<10000	<10000	<10000	<100

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD	BF-01 87/01/13 BAC/ORG	BF-01 87/02/27 BAC/ORG	BF-01 87/04/01 BAC/ORG	BF-01 88/01/20 BAC/ORG	BF-01 88/04/19 ATI/SPT	BF-01 88/04/19 BAC/FD	BF-01 88/04/19 BAC/LD	BF-01 88/04/19 BAC/ORG	BF-01 88/07/27 ATI/SPT	BF-01 88/07/27 BAC/FD
1,1,1-Trichloroethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
1,1,2,2-Tetrachloroethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Trifluoroethane												
1,1,2-Trichloroethane	<10	<20	<25	<5	<5	<5	<5	<25	<25	<25	<3	<25
1,1-Dichloroethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
1,1-Dichloroethylene	<10	<20	<25	<5	<5	<5	<5	<5	7	<5	<3	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<10	<20	<25	<5	<5	<5		<5	<5	<5		<5
1,2-Dichloroethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<10	<20	<25	<5	<5	<5		<5	<5	<5		<5
1,4-Dichlorobenzene	<10	<20	<25	<5	<5	<5		<5	<5	<5		<5
2-Chloroethylvinyl ether	<10	<20	<25	<5	<5	<5	<50	<75	<75	<75	<30	<75
2-Hexanone							<50				<30	
4-Methyl-2-Pentanone							<50				<30	
Acetone	<100	<200	<250	<50	<50	<50	<50	<100	<100	<100	<30	<50
Acrolein	<100	<200	<250	<50	<50	<50		<125	<125	<125		<130
Acrylonitrile	<100	<200	<250	<50	<50	<50		<50	<50	<50		<50
Benzene	<10	<20	<25	<5	<5	<5	<5	<10	<10	10[EP]	<3	<10
Bis(chloromethyl)ether	<10	<20	<25	<5	<5	<5						
Bromochloromethane												
Bromodichloromethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Bromoform	<10	<20	<25	<5	<5	<5	<25	<5	<5	<5	<15	<5
Bromomethane	<10	<20	<25	<5	<5	<5	<50	<5	<5	<5	<30	<5
C4 Thiophene												
Carbon Disulfide							<5				<3	
Carbon Tetrachloride	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Chlorobenzene	420	490	430	370	520	490	520	510	580	570	570	510
Chloroethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Chloroform	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Chloromethane	<10	<20	<25	<5	<5	<5	<50	<25	<25	<25	<30	<25
cis & trans 1,3-Dichloropropene	<10	<20	<25	<5	<5	<5						
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<10	<20	<25	<5	<5	<5	<5	<25	<25	<25	<3	<25
Cyclohexane												
Dibromochloromethane	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Dichlorodifluoromethane	<10	<20	<25	<5	<5	<5						
Ethylbenzene	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Isopropyl Benzene												
Methyl Ethyl Ketone							<50				<30	
Methylene Chloride	<10	<20	<25	<5	<5	<5	<25	<50	<50	<50	<15	<50
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene							<5				<3	
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Tetrahydrothiophene												
Toluene	<10	<20	<25	<5	<5	<5	<5	<10	<10	<10	3	<10
Total Xylenes							<5				<3	
trans-1,2-Dichloroethylene	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
trans-1,3-Dichloropropylene	<10	<20	<25	<5	<5	<5	<5	<25	<25	<25	<3	<25
Trichloroethylene	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5
Trichlorofluoromethane	<10	<20	<25	<5	<5	<5		<5	<5	<5		<5
Vinyl Acetate							<50				<30	
Vinyl Chloride	<10	<20	<25	<5	<5	<5	<5	<5	<5	<5	<3	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-01 88/07/27 BAC/ORG	BF-01 88/10/14 BAC/ORG	BF-01 89/02/08 BAC/ORG	BF-01 89/05/19 BAC/FD	BF-01 89/05/19 BAC/ORG	BF-01 89/11/18 ATI/SPT	BF-01 89/11/18 BAC/FD	BF-01 89/11/18 BAC/ORG	BF-01 90/04/18 BAC/ORG	BF-02 87/01/07 BAC/FD	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG
1,1,1-Trichloroethane	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Trifluoroethane												
1,1,2-Trichloroethane	<25	<25	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,1-Dichloroethane	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,1-Dichloroethylene	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<5	<5	<5	<5	<5		<5	<5	<5	<200	<200	<200
1,2-Dichloroethane	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<5	<5	<5	<5	<5		<5	<5	<5	<200	<200	<200
1,4-Dichlorobenzene	<5	<5	<5	<5	<5		<5	<5	<5	<200	<200	<200
2-Chloroethylvinyl ether	<75	<75	<5	<5	<5	<30	<5	<5	<5	<200	<200	<200
2-Hexanone						<30						
4-Methyl-2-Pentanone						<30						
Acetone	<50	<100	<50	<50(J)	<50(J)	<30	<50	<50	<50	<2000	<2000	<2000
Acrolein	<130	<130	<100(J)	<100(J)	<100(J)		<100	<100	<100	<2000	<2000	<2000
Acrylonitrile	<50	<50	<100	<100(J)	<100(J)		<100	<100	<100	<2000	<2000	<2000
Benzene	<10	<10	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Bis(chloromethyl)ether										<200	<200	<200
Bromochloromethane									<5			
Bromodichloromethane	<5	<5	<5(J)	<5	<5	<3	<5	<5		<200	<200	<200
Bromoform	<5	<5	<5(J)	<5	<5	<15	<5	<5	<5	<200	<200	<200
Bromomethane	<5	<5	<5	<5	<5	<30	<5	<5	<5	<200	<200	<200
C4 Thiophene												
Carbon Disulfide						<3						
Carbon Tetrachloride	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
Chlorobenzene	420	420	570	510	520	490	540	370	480	13000	16000	10000
Chloroethane	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Chloroform	<5	5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
Chloromethane	<25	<25	<10	<10(J)	<10(J)	<30	<10	<10	<10	<200	<200	<200
cis & trans 1,3-Dichloropropene										<200	<200	<200
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<25	<25	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Cyclohexane												
Dibromochloromethane	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
Dichlorodifluoromethane										<200	<200	<200
Ethylbenzene	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Isopropyl Benzene												
Methyl Ethyl Ketone		70[EB]				<30						
Methylene Chloride	<50	<50	<5(J)	<5(J)	<5(J)	<15	<5	<5	<10	<200	<200	<200
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene						<3						
T-Butyl Benzene												
TDC Benzene						<15						
Tetrachloroethylene	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
Tetrahydrothiophene												
Toluene	<10	<10	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Total Xylenes						<3						
trans-1,2-Dichloroethylene	<5	<5	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
trans-1,3-Dichloropropylene	<25	<25	<5(J)	<5	<5	<3	<5	<5	<5	<200	<200	<200
Trichloroethylene	<5	<5	<5	<5	<5	<3	<5	<5	<5	<200	<200	<200
Trichlorofluoromethane	<5	<5	<5(J)	<5	<5		<5	<5	<5	<200	<200	<200
Vinyl Acetate						<30						
Vinyl Chloride	<5	<5	<5(J)	<5(J)	<5(J)	<3	<5	<5	<5	<200	<200	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-02 87/02/27 BAC/ORG	BF-02 87/04/01 BAC/ORG	BF-02 87/11/16 BAC/FD	BF-02 87/11/16 BAC/LD	BF-02 87/11/16 BAC/ORG	BF-02 88/01/19 BAC/ORG	BF-02 88/04/20 BAC/ORG	BF-02 88/07/27 BAC/ORG	BF-02 88/10/13 BAC/ORG	BF-02 89/02/08 BAC/ORG	BF-02 89/05/18 BAC/ORG	BF-02 89/10/28 BAC/ORG
1,1,1-Trichloroethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
1,1,2,2-Tetrachloroethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
Trifluoroethane												
1,1,2-Trichloroethane	<100	<200	<200	<200	<200	<50	<1000	<250	<250	<200	<50	<100
1,1-Dichloroethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
1,1-Dichloroethylene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
1,2-Dichloroethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
1,2-Dichloroethylene												
1,2-Dichloropropane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
1,4-Dichlorobenzene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
2-Chloroethylvinyl ether	<100	<200	<200	<200	<200	<50	<3000	<750	<750	<200	<50	<100
2-Hexanone												
4-Methyl-2-Pentanone												
Acetone	<1000	<2000	<2000	<2000	<2000	<500	<4000	<500	<1000	<2000	<500	<1000
Acrolein	<1000	<2000	<2000	<2000	<2000	<500	<5000	<1300	<1300	<4000(J)	<1000	<2000
Acrylonitrile	<1000	<2000	<2000	<2000	<2000	<500	<2000	<500	<500	<4000	<1000	<2000
Benzene	<100	<200	<200	<200	<200	<50	<400	<100	<100	<200	<50	<100
Bis(chloromethyl)ether	<100	<200	<200	<200	<200	<50						
Bromochloromethane												
Bromodichloromethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Bromoform	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Bromomethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
C4 Thiophene												
Carbon Disulfide												
Carbon Tetrachloride	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Chlorobenzene	9900	8600	11000	11000	11000	11000	11000	6300	6600	6700	4100	3600
Chloroethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
Chloroform	<100	<200	<200	<200	<200	<50	<200	<50	50	<200(J)	<50	<100
Chloromethane	<100	<200	<200	<200	<200	<50	<1000	<250	<250	<400	<100	<200
cis & trans 1,3-Dichloropropene	<100	<200	<200	<200	<200	<50						
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<100	<200	<200	<200	<200	<50	<1000	<250	<250	<200	<50	<100
Cyclohexane												
Dibromochloromethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Dichlorodifluoromethane	<100	<200	<200	<200	<200	<50						
Ethylbenzene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
Isopropyl Benzene												
Methyl Ethyl Ketone												
Methylene Chloride	<100	<200	<200	<200	<200	<50	<2000	<500	<500	<200	<50	<100
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene												
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Tetrahydrothiophene												
Toluene	<100	<200	<200	<200	<200	<50	<400	<100	<100	<200	<50	<100
Total Xylenes												
trans-1,2-Dichloroethylene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
trans-1,3-Dichloropropylene	<100	<200	<200	<200	<200	<50	<1000	<250	<250	<200(J)	<50	<100
Trichloroethylene	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200	<50	<100
Trichlorofluoromethane	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100
Vinyl Acetate												
Vinyl Chloride	<100	<200	<200	<200	<200	<50	<200	<50	<50	<200(J)	<50	<100

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-02 90/04/20 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-03 87/02/27 BAC/ORG	BF-03 87/04/01 BAC/ORG	BF-03 87/11/18 BAC/ORG	BF-03 88/01/20 ATI/SPT	BF-03 88/01/20 BAC/FD	BF-03 88/01/20 BAC/LD	BF-03 88/01/20 BAC/ORG	BF-03 88/04/21 BAC/ORG	BF-03 88/07/27 BAC/ORG
1,1,1-Trichloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,1,2,2-Tetrachloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Trifluoroethane												
1,1,2-Trichloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<1000	<1000
1,1-Dichloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,1-Dichloroethylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<50	<200	<200	<200	<200	<200		<200	<200	<200	<200	<200
1,2-Dichloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<50	<200	<200	<200	<200	<200		<200	<200	<200	<200	<200
1,4-Dichlorobenzene	<50	<200	<200	<200	220	<200		<200	<200	<200	<200	<200
2-Chloroethylvinyl ether	<50	<200	<200	<200	<200	<200	<1000	<200	<200	<200	<3000	<3000
2-Hexanone							<1000					
4-Methyl-2-Pentanone							<1000					
Acetone	<500	<2000	<2000	<2000	<2000	<2000	<1000	<2000	<2000	<2000	<4000	<2000
Acrolein	<1000	<2000	<2000	<2000	<2000	<2000		<2000	<2000	<2000	<5000	<5000
Acrylonitrile	<1000	<2000	<2000	<2000	<2000	<2000		<2000	<2000	<200	<2000	<2000
Benzene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<400	<400
Bis(chloromethyl)ether		<200	<200	<200	<200	<200		<200	<200	<200		
Bromochloromethane	<50											
Bromodichloromethane		<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Bromoform	<50	<200	<200	<200	<200	<200	<500	<200	<200	<200	<200	<200
Bromomethane	<50	<200	<200	<200	<200	<200	<1000	<200	<200	<200	<200	<200
C4 Thiophene												
Carbon Disulfide							<100					
Carbon Tetrachloride	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Chlorobenzene	4700	16000	23000	14000	18000	14000	13000	15000	15000	16000	15000	14000
Chloroethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Chloroform	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Chloromethane	<100	<200	<200	<200	<200	<200	<1000	<200	<200	<200	<500	<1000
cis & trans 1,3-Dichloropropene		<200	<200	<200	<200	<200		<200	<200	<200		
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<1000	<1000
Cyclohexane												
Dibromochloromethane	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Dichlorodifluoromethane		<200	<200	<200	<200	<200		<200	<200	<200		
Ethylbenzene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Isopropyl Benzene												
Methyl Ethyl Ketone							<1000					
Methylene Chloride	<100	<200	<200	<200	<200	<200	<500	<200	<200	<2000	<2000	<2000
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene							<100					
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Tetrahydrothiophene												
Toluene	<50	2000	<200	<200	<200	<200	<100	<200	<200	<200	<400	<400
Total Xylenes							<100					
trans-1,2-Dichloroethylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
trans-1,3-Dichloropropylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<1000	<1000
Trichloroethylene	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Trichlorofluoromethane	<50	<200	<200	<200	<200	<200		<200	<200	<200	<200	<200
Vinyl Acetate							<1000					
Vinyl Chloride	<50	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-03 88/10/14 ATI/SPT	BF-03 88/10/14 BAC/FD	BF-03 88/10/14 BAC/ORG	BF-03 89/02/08 BAC/ORG	BF-03 89/05/18 BAC/ORG	BF-03 89/10/26 BAC/ORG	BF-03 90/04/20 BAC/ORG	BF-04 87/01/08 BAC/LD	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-04 87/02/27 BAC/ORG	BF-04 87/04/02 BAC/FD
1,1,1-Trichloroethane	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
1,1,2,2-Tetrachloroethane	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Trifluoroethane												
1,1,2-Trichloroethane	<100	<1000	<1000	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,1-Dichloroethane	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,1-Dichloroethylene	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,2-Dichloroethane	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
1,4-Dichlorobenzene		<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
2-Chloroethylvinyl ether	<1000	<3000	<3000	<200	<200	<200	<100	<200	<200	<200	<200	<200
2-Hexanone	<1000											
4-Methyl-2-Pentanone	<1000											
Acetone	<1000	<4000	<4000	<2000	<2000	<2000	<1000	<2000	<2000	<2000	<2000	<2000
Acrolein		<5000	<5000	<4000(J)	<4000	<4000	<2000	<2000	<2000	<2000	<2000	<2000
Acrylonitrile		<2000	<2000	<4000	<4000	<4000	<2000	<2000	<2000	<2000	<2000	<2000
Benzene	<100	<400	<400	<200	<200	<200	<100	<200	<200	<200	<200	<200
Bis(chloromethyl)ether								<200	<200	<200	<200	<200
Bromochloromethane							<100					
Bromodichloromethane	<100	<200	<200	<200(J)	<200	<200		<200	<200	<200	<200	<200
Bromoform	<500	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Bromomethane	<1000	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
C4 Thiophene												
Carbon Disulfide	<100											
Carbon Tetrachloride	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Chlorobenzene	12000	13000	13000	12000	12000	13000	9000	38000	38000	38000	31000	27000
Chloroethane	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Chloroform	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Chloromethane	<1000	<1000	<1000	<400	<400	<400	<200	<200	<200	<200	<200	<200
cis & trans 1,3-Dichloropropene								<200	<200	<200	<200	<200
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<100	<1000	<1000	<200	<200	<200	<100	<200	<200	<200	<200	<200
Cyclohexane												
Dibromochloromethane	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Dichlorodifluoromethane								<200	<200	<200	<200	<200
Ethylbenzene	<100	<200	<200	<200	<200	<200	<100	<200	<200	<200	<200	<200
Isopropyl Benzene												
Methyl Ethyl Ketone	<1000											
Methylene Chloride	<500	<2000	<2000	240(J)	<200	<200	<200	<200	<200	<200	<200	<200
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<100											
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Tetrahydrothiophene												
Toluene	<100	<400	<400	<200	<200	<200	<100	<200	<200	<200	<200	<200
Total Xylenes	<100											
trans-1,2-Dichloroethylene	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
trans-1,3-Dichloropropylene	<100	<1000	<1000	<200(J)	<200	<200	<100	<200		<200	<200	<200
Trichloroethylene	<100	<200	<200	<200	<200	<200	100	<200	<200	260	260	<200
Trichlorofluoromethane		<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200
Vinyl Acetate	<1000											
Vinyl Chloride	<100	<200	<200	<200(J)	<200	<200	<100	<200	<200	<200	<200	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-04 87/04/02 BAC/LD	BF-04 87/04/02 BAC/ORG	BF-04 87/11/18 BAC/ORG	BF-04 88/01/20 BAC/ORG	BF-04 88/04/21 ATI/SPT	BF-04 88/04/21 BAC/FD	BF-04 88/04/21 BAC/LD	BF-04 88/04/21 BAC/ORG	BF-04 88/07/27 BAC/ORG	BF-04 88/10/14 BAC/ORG	BF-04 89/02/08 BAC/ORG	BF-04 89/05/16 BAC/ORG
1,1,1-Trichloroethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
1,1,2,2-Tetrachloroethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
Trifluoroethane												
1,1,2-Trichloroethane	<200	<200	<200	<200	<200	<2500	<2500	<2500	<1000	<1000	<500	<500
1,1-Dichloroethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
1,1-Dichloroethylene	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<200	<200	<200	<200		<500	<500	<500	<200	<200	<500	<500
1,2-Dichloroethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
1,2-Dichloroethylene												
1,2-Dichloropropane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<200	<200	<200	<200		<500	<500	<500	<200	<200	<500	<500
1,4-Dichlorobenzene	<200	<200	<200	<200		<500	<500	<500	<200	<200	<500	<500
2-Chloroethylvinyl ether	<200	<200	<200	<200	<2000	<7500	<7500	<7500	<3000	<3000	<500	<500
2-Hexanone					<2000							
4-Methyl-2-Pentanone					<2000							
Acetone	<2000	<2000	<2000	<2000	<2000	<10000	<10000	<10000	<2000	<4000	<5000	<5000
Acrolein	<2000	<2000	<2000	<2000		<12500	<12500	<12500	<5000	<5000	<10000(J)	<10000
Acrylonitrile	<2000	<2000	<2000	<2000		<5000	<5000	<5000	<2000	<2000	<10000	<10000
Benzene	<200	<200	<200	<200	<200	<1000	<1000	<1000	<400	<400	<500	<500
Bis(chloromethyl)ether	<200	<200	<200	<200								
Bromochloromethane												
Bromodichloromethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
Bromoform	<200	<200	<200	<200	<1000	<500	<500	<500	<200	<200	<500(J)	<500
Bromomethane	<200	<200	<200	<200	<2000	<500	<500	<500	<200	<200	<500	<500
C4 Thiophene												
Carbon Disulfide					<200							
Carbon Tetrachloride	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
Chlorobenzene	28000	28000	28000	35000	39000	38000	41000	42000	33000	31000	28000	28000
Chloroethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
Chloroform	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
Chloromethane	<200	<200	<200	<200	<2000	<2500	<2500	<2500	<1000	<1000	<1000	<1000
cis & trans 1,3-Dichloropropene	<200	<200	<200	<200								
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<200	<200	<200	<200	<200	<2500	<2500	<2500	<1000	<1000	<500	<500
Cyclohexane												
Dibromochloromethane	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
Dichlorodifluoromethane	<200	<200	<200	<200								
Ethylbenzene	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500	<500
Isopropyl Benzene												
Methyl Ethyl Ketone					<2000							
Methylene Chloride	<200	<200	<200	<200	<1000	<5000	<5000	<5000	<2000	<2000	<500	<500
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene					<200							
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
Tetrahydrothiophene												
Toluene	<200	<200	<200	<200	<200	<1000	<1000	<1000	<400	<400	<500	<500
Total Xylenes					<200							
trans-1,2-Dichloroethylene	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500
trans-1,3-Dichloropropylene	<200	<200	<200	<200	<200	<2500	<2500	<2500	<1000	<1000	<500(J)	<500
Trichloroethylene	<200	<200	200	<200	<200	<500	<500	<500	<200	<200	<500	<500
Trichlorofluoromethane	<200	<200	<200	<200		<500	<500	<500	<200	<200	<500(J)	<500
Vinyl Acetate					<2000							
Vinyl Chloride	<200	<200	<200	<200	<200	<500	<500	<500	<200	<200	<500(J)	<500

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-04 89/10/26 BAC/ORG	BF-04 90/04/20 BAC/ORG	BF-04 90/11/29 BAC/ORG	BF-04 91/04/23 BAC/ORG	BF-04 91/11/19 APPL/SPT	BF-04 91/11/19 ATI/FD	BF-04 91/11/19 ATI/ORG	BF-05 89/02/02 BAC/ORG	BF-05 89/02/06 SWL/SEPA	BF-05 89/02/07 ATI/SPT	BF-05 89/02/07 BAC/FD	BF-05 89/02/07 BAC/ORG
1,1,1-Trichloroethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
1,1,2,2-Tetrachloroethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	121
Trifluoroethane												
1,1,2-Trichloroethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
1,1-Dichloroethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
1,1-Dichloroethylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<500[E/EH]	<200	<200	<200	<1000			<20	<170		<20	<20
1,2-Dichloroethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20(J)	<20(J)
1,2-Dichloroethylene									<84			
1,2-Dichloropropane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<500[E/EH]	<200	<200	<200	<1000			<20			<20	<20
1,4-Dichlorobenzene	<500[E/EH]	<200	<200	<200	<1000			<20	<170		<20	<20
2-Chloroethylvinyl ether	<500[E/EH]	<200	<200	<200	<2000			<20		<100	<20	<20
2-Hexanone						<4000	<2000		<170	<100(J)		
4-Methyl-2-Pentanone						<4000	<2000		<170	<100		
Acetone	H]	<2000	<2000	<2000	<20000	<8000	<4000	<200	<170	<100(J)	<200	<200
Acrolein	EH]	<4000	<4000	<4000				<400(J)			<400(J)	<400(J)
Acrylonitrile	EH]	<4000	<4000	<4000				<400			<400	<400
Benzene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Bis(chloromethyl)ether												
Bromochloromethane		<200										
Bromodichloromethane	<500[E/EH]		<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Bromoform	<500[E/EH]	<200	<200	<200	<1000	<2000	<1000	<20(J)	<84	<50	<20	94
Bromomethane	<500[E/EH]	<200	<200	<200	<2000	<4000	<2000	<20(J)	<170	<100	<20	<20
C4 Thiophene												
Carbon Disulfide						<400	<200		<84	<10		
Carbon Tetrachloride	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20(J)	<84	<10	<20(J)	<20(J)
Chlorobenzene	H]	31000	29000	23000	27000	28000	30000	2300	2200	1200	1400	115[UTET]
Chloroethane	<500[E/EH]	<200	<200	<200	<2000	<400	<200	<20	<170	<10	<20	<20
Chloroform	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Chloromethane	H]	<400	<400	<400	<2000	<4000	<2000	<40(J)	<170	<100	<40(J)	<40(J)
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene				<200	<1000	<400	<200					
cis-1,3-Dichloropropylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Cyclohexane												
Dibromochloromethane	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Dichlorodifluoromethane												
Ethylbenzene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	120
Isopropyl Benzene												
Methyl Ethyl Ketone						<8000	<4000		<170(J)	<100(J)		
Methylene Chloride	<500[E/EH]	<400	<400	<400	<1000	<2000	<1000	32(J)[EB]	69(J)	<50	<20	<20
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene						<400	<200		<84	<10		
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20(J)	<84	<10	<20	104
Tetrahydrothiophene												
Toluene	<500[E/EH]	<200	<200	<200	<1000	<800	<400	<20	<84	<10	43	117
Total Xylenes				<1000	<1000	<400	<200		<84	<10		
trans-1,2-Dichloroethylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20(J)		<10	<20(J)	<20(J)
trans-1,3-Dichloropropylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Trichloroethylene	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20	<84	<10	<20	<20
Trichlorofluoromethane	<500[E/EH]	<200	<200	<200	<2000			<20(J)			<20(J)	<20(J)
Vinyl Acetate						<4000	<2000		<170(J)	<100		
Vinyl Chloride	<500[E/EH]	<200	<200	<200	<1000	<400	<200	<20(J)	<170	<10	<20(J)	<20(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-05 89/05/16 BAC/FD	BF-05 89/05/16 BAC/ORG	BF-05 89/10/25 ATI/SPT	BF-05 89/10/25 BAC/FD	BF-05 89/10/25 BAC/ORG	BF-05 90/02/24 BAC/ORG	BF-05 90/04/18 BAC/ORG	BF-05 91/04/25 BAC/ORG	BF-05 91/11/21 ATI/ORG	BF-06 89/02/01 ATI/SPT	BF-06 89/02/01 BAC/FD	BF-06 89/02/01 BAC/ORG
1,1,1-Trichloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
1,1,2,2-Tetrachloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Trifluoroethane												
1,1,2-Trichloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<1000	<200
1,1-Dichloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
1,1-Dichloroethylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<10	<10		<50	<50	<100	<20	<20			<200	<200
1,2-Dichloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<10	<10		<50	<50	<100	<20	<20			<200	<200
1,4-Dichlorobenzene	<10	<10		<50	<50	<100	<20	<20			<200	<200
2-Chloroethylvinyl ether	<10	<10	<300	<50	<50	<100	<20	<20		<2000	<3000	<200
2-Hexanone			<300						<200	<2000(J)		
4-Methyl-2-Pentanone			<300						<200	<2000		
Acetone	<100(J)	<100(J)	<300	<500	<500	<1000	<200	<200	<400	<2000(J)	<4000	<2000
Acrolein	<200(J)	<200(J)		<1000	<1000	<2000	<400	<400			<5000(J)	<4000(J)
Acrylonitrile	<200(J)	<200(J)		<1000	<1000	<2000	<400	<400			<2000	<4000
Benzene	<10	<10	<30	<50	<50	<100	<20	<20	<20	230	400	270
Bis(chloromethyl)ether												
Bromochloromethane						<100	<20					
Bromodichloromethane	<10	<10	<30	<50	<50			<20	<20	<200	<200	<200
Bromoform	<10	<10	<150	<50	<50	<100	<20	<20	<100	<1000	<200	<200
Bromomethane	<10	<10	<300	<50	<50	<100	<20	<20	<200	<2000	<200	<200
C4 Thiophene												
Carbon Disulfide			<30						<20	<200		
Carbon Tetrachloride	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200(J)	<200(J)
Chlorobenzene	1900	1900	2400	2200	2400	1800[EB]	2300	3400	2400	31000	36000	33000
Chloroethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Chloroform	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Chloromethane	<20	<20	<300	<100	<100	<200	<40	<40	<200	<2000	<1000(J)	<400(J)
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene								<20	<20			
cis-1,3-Dichloropropylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<1000	<200
Cyclohexane												
Dibromochloromethane	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Dichlorodifluoromethane												
Ethylbenzene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Isopropyl Benzene												
Methyl Ethyl Ketone			<300						<400	<2000(J)		
Methylene Chloride	<10(J)	<10(J)	<150	<50	<50	<100	<40	<40	<100	<1000	<2000	<200
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene			<30						<20	<200		
T-Butyl Benzene												
TDC Benzene			<150									
Tetrachloroethylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	270	<200
Tetrahydrothiophene												
Toluene	<10	10(J)[EB]	<30	<50	<50	<100	<20	<20	<40	<200	<400	<200
Total Xylenes			<30					<100	<20	<200		
trans-1,2-Dichloroethylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200(J)	<200(J)
trans-1,3-Dichloropropylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<1000(J)	<200(J)
Trichloroethylene	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200	<200
Trichlorofluoromethane	<10	<10		<50	<50	<100	<20	<20			<200(J)	<200(J)
Vinyl Acetate			<300						<200	<2000		
Vinyl Chloride	<10	<10	<30	<50	<50	<100	<20	<20	<20	<200	<200(J)	<200(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-06 89/02/08 BAC/ORG	BF-06 89/05/17 BAC/ORG	BF-06 89/10/25 BAC/ORG	BF-06 90/02/24 BAC/ORG	BF-06 90/04/21 BAC/ORG	BF-07 89/02/01 BAC/ORG	BF-07 89/02/09 BAC/ORG	BF-07 89/05/16 BAC/ORG	BF-07 89/10/24 BAC/ORG	BF-07 90/02/24 ATI/SPT	BF-07 90/02/24 BAC/FD	BF-07 90/02/24 BAC/ORG
1,1,1-Trichloroethane	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
1,1,2,2-Tetrachloroethane	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
Trifluoroethane												
1,1,2-Trichloroethane	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
1,1-Dichloroethane	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
1,1-Dichloroethylene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000		<500[E]	<500[E]
1,2-Dichloroethane	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
1,2-Dichloroethylene												
1,2-Dichloropropane	<200	<200	<500	<100[E]	<200	<500(J)	<500	<500	<2000	<500	<500[E]	<500[E]
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000		<500[E]	<500[E]
1,4-Dichlorobenzene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000		<500[E]	<500[E]
2-Chloroethylvinyl ether	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<5000	<500[E]	<500[E]
2-Hexanone										<5000		
4-Methyl-2-Pentanone										<5000		
Acetone	<2000	<2000	<5000	<1000[E]	<2000	<5000	<5000	<5000	<20000	<5000	<5000[E]	<5000[E]
Acrolein	<4000(J)	<4000	<10000	<2000[E]	<4000	<10000(J)	<10000(J)	<10000	<40000		<10000[E]	<10000[E]
Acrylonitrile	<4000	<4000	<10000	<2000[E]	<4000	<10000	<10000	<10000	<40000		<10000[E]	<10000[E]
Benzene	<200	<200	<500	200[E]	200	<500	<500	<500	18000[EP]	<500	<500[E]	<500[E]
Bis(chloromethyl)ether												
Bromochloromethane				<100[E]	<200						<500[E]	<500[E]
Bromodichloromethane	<200(J)	<200	<500			<500(J)	<500(J)	<500	<2000	<500		
Bromoform	<200(J)	<200	<500	<100[E]	<200	<500	<500(J)	<500	<2000	<2500	<500[E]	<500[E]
Bromomethane	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<5000	<500[E]	<500[E]
C4 Thiophene												
Carbon Disulfide										<500		
Carbon Tetrachloride	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Chlorobenzene	29000	34000	29000	28000[E]	27000	42000	37000	44000	66000	4900[ET]	42000[E]	45000[E]
Chloroethane	<200	<200	<500	<100[E]	<200	<500	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Chloroform	<200(J)	<200	<500	<100[E]	<200	<500	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Chloromethane	<400	<400	<1000	<200[E]	<400	<1000	<1000	<1000	<4000	<5000	<1000[E]	<1000[E]
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
Cyclohexane												
Dibromochloromethane	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Dichlorodifluoromethane												
Ethylbenzene	<200	<200	<500	<100[E]	<200	<500	<500	<500	4500[EP]	<500	<500[E]	<500[E]
Isopropyl Benzene												
Methyl Ethyl Ketone										<5000		
Methylene Chloride	<200(J)	<200	<500	<100[E]	<400	530(J)	<500(J)	<500	<2000	<2500	<500[E]	<500[E]
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene										<500		
T-Butyl Benzene												
TDC Benzene										<2500		
Tetrachloroethylene	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Tetrahydrothiophene												
Toluene	<200	<200	<500	<100[E]	<200	<500(J)	<500	<500	<2000	<1000	<500[E]	<500[E]
Total Xylenes										<500		
trans-1,2-Dichloroethylene	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
trans-1,3-Dichloropropylene	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]
Trichloroethylene	<200	<200	<500	<100[E]	<200	<500	<500	<500	<2000	<500	<500[E]	<500[E]
Trichlorofluoromethane	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000		<500[E]	<500[E]
Vinyl Acetate										<5000		
Vinyl Chloride	<200(J)	<200	<500	<100[E]	<200	<500(J)	<500(J)	<500	<2000	<500	<500[E]	<500[E]

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-07 90/04/17 BAC/ORG	BF-08 89/01/30 BAC/ORG	BF-08 89/02/06 ATI/SPT	BF-08 89/02/06 BAC/FD	BF-08 89/02/06 BAC/ORG	BF-08 89/05/17 BAC/ORG	BF-08 89/10/24 BAC/ORG	BF-08 90/02/23 BAC/ORG	BF-08 90/04/18 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-08 91/04/24 BAC/ORG	BF-08 91/11/20 ATI/ORG
1,1,1-Trichloroethane	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
1,1,2,2-Tetrachloroethane	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Trifluoroethane												
1,1,2-Trichloroethane	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
1,1-Dichloroethane	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
1,1-Dichloroethylene	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<500	<50		<100	<250	<50	<100	<50	<50	<50	<50	
1,2-Dichloroethane	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
1,2-Dichloroethylene												
1,2-Dichloropropane	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<500	<50		<100	<250	<50	<100	<50	<50	<50	<50	
1,4-Dichlorobenzene	<500	<50		<100	<250	<50	<100	<50	<50	<50	<50	
2-Chloroethylvinyl ether	<500	<50	<400	<100	<250	<50	<100	<50	<50	<50	<50	
2-Hexanone			<400(J)									<200
4-Methyl-2-Pentanone			<400									<200
Acetone	<5000	<500	<400(J)	<1000(J)	<2500(J)	<500	<1000	<500	<500	<500	<500	<400
Acrolein	<10000	<1000(J)		<2000(J)	<5000(J)	<1000	<2000	<1000	<1000	<1000	<1000	
Acrylonitrile	<10000	<1000		<2000	<5000	<1000	<2000	<1000	<1000	<1000	<1000	
Benzene	<500	<50	<40	<100	<250	<50	<100[EP]	<50	<50	<50	<50	<20
Bis(chloromethyl)ether												
Bromochloromethane	<500							<50	<50			
Bromodichloromethane		<50(J)	<40	<100	<250	<50	<100			<50	<50	<20
Bromoform	<500	<50	<200	<100	<250	<50	<100	<50	<50	<50	<50	<100
Bromomethane	<500	<50	<400	<100	<250	<50	<100	<50	<50	<50	<50	<200
C4 Thiophene												
Carbon Disulfide			<40									<20
Carbon Tetrachloride	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
Chlorobenzene	45000	4300	5200	5200	5300	5700	9000	6100	6600	4700	3500	3800
Chloroethane	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Chloroform	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Chloromethane	<1000	<100	<400	<200	<500	<100	<200	<100	<100	<100	<100	<200
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												<20
cis-1,3-Dichloropropylene	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Cyclohexane												
Dibromochloromethane	<500	<50(J)	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Dichlorodifluoromethane												
Ethylbenzene	<500	<50	<40	<100	<250	<50	<100[EP]	<50	<50	<50	<50	<20
Isopropyl Benzene												
Methyl Ethyl Ketone			<400(J)									<400
Methylene Chloride	<1000	<50	<200	<100	<250	<50	<100	<50	<100	100[EB]	<100	<100
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene			<40									<20
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<500	<50	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
Tetrahydrothiophene												
Toluene	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<40
Total Xylenes			<40									<20
trans-1,2-Dichloroethylene	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
trans-1,3-Dichloropropylene	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20
Trichloroethylene	<500	<50	<40	<100	<250	<50	<100	<50	<50	<50	<50	<20
Trichlorofluoromethane	<500	<50(J)		<100(J)	<250(J)	<50	<100	<50	<50	80[EB]	<50	
Vinyl Acetate			<400									<200
Vinyl Chloride	<500	<50(J)	<40	<100(J)	<250(J)	<50	<100	<50	<50	<50	<50	<20

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-08 94/08/15 ATI/ORG	BF-09 89/02/02 BAC/ORG	BF-09 89/02/09 BAC/ORG	BF-09 89/05/18 ATI/SPT	BF-09 89/05/18 BAC/FD	BF-09 89/05/18 BAC/ORG	BF-09 89/11/17 BAC/ORG	BF-09 90/02/24 BAC/ORG	BF-09 90/04/19 BAC/ORG	BF-09 92/07/23 ATI/ORG	BF-09 93/01/28 ATI/ORG	BF-09 95/11/30 BAC/ORG
1,1,1-Trichloroethane	<25	<200(J)	<200(J)	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
1,1,2,2-Tetrachloroethane	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
Trifluoroethane	<130										<500	<4
1,1,2-Trichloroethane	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
1,1-Dichloroethane	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
1,1-Dichloroethylene	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
1,2,4-Trimethyl Benzene												<2
1,2-Dichlorobenzene	<130	<200	<200		<200	<200	<200	<100(E)	<100		<500	4.9
1,2-Dichloroethane	<25	<200(J)	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<25	<200	<200(J)	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
1,3,5-Trimethyl Benzene												<2
1,3-Dichlorobenzene	<130	<200	<200		<200	<200	<200	<100(E)	<100		<500	<2
1,4-Dichlorobenzene	<130	<200	<200		<200	<200	<200	<100(E)	<100		<500	36
2-Chloroethylvinyl ether		<200	<200	<500	<200	<200	<200	<100(E)	<100			<10
2-Hexanone	<250			<500						<1000	<1000	<10
4-Methyl-2-Pentanone	<250			<500						<1000	<1000	<10
Acetone	<250	<2000	<2000	<500(J)	<2000	<2000	<2000	<1000(E)	<1000	<1000	<1000	<40
Acrolein		<4000(J)	<4000(J)		<4000	<4000	<4000	<2000(E)	<2000			
Acrylonitrile		<4000	<4000		<4000	<4000	<4000	<2000(E)	<2000			<100
Benzene	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	22
Bis(chloromethyl)ether												
Bromochloromethane								<100(E)	<100			
Bromodichloromethane	<25	<200(J)	<200	<50	<200	<200	<200			<100	<100	<2
Bromoform	<130	<200(J)	<200(J)	<250	<200	<200	<200	<100(E)	<100	<500	<500	<2
Bromomethane	<250	<200	<200	<500	<200	<200	<200	<100(E)	<100	<1000	<1000	<2
C4 Thiophene												
Carbon Disulfide	<50			<50						<100	<100	<4
Carbon Tetrachloride	<25	<200(J)	<200(J)	<50	<200	<200	<200	<100(E)	<100	<100	<100	<1
Chlorobenzene	3500	18000	16000	14000	31600	20000	14000	11000(E)	12000	20000	18000	14000
Chloroethane	<130	<200	<200	<50	<200	<200	<200	<100(E)	<100	<500	<500	<2
Chloroform	<25	710	480	710	620	620	410	260(E)	300	310	<100	2.2
Chloromethane	<250	<400	<400(J)	<500	<400	<400	<400	<200(E)	<200	<1000	<1000	<2
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene	<25									<100	<100	<2
cis-1,3-Dichloropropylene	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
Cyclohexane												<10
Dibromochloromethane	<25	<200(J)	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
Dichlorodifluoromethane	<250										<1000	<10
Ethylbenzene	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	2.2
Isopropyl Benzene												<2
Methyl Ethyl Ketone	<250			<500						<1000	<1000	<10
Methylene Chloride	<130	<200	<200(J)	<250	<200	<200	<200	<100(E)	<200	<500	<500	<4
n-Propylbenzene												<2
Naphthalene												<4
Propylbenzene												<2
S-Butyl Benzene												<2
Styrene	<50			<50						<100	<100	<2
T-Butyl Benzene												<2
TDC Benzene												
Tetrachloroethylene	<25	370	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	5.4
Tetrahydrothiophene												
Toluene	<50	<200	<200	<50	<200	<200	<200	<100(E)	<100	<200	<200	<1
Total Xylenes	100			<50						<100	<200	8.8
trans-1,2-Dichloroethylene	<25	<200(J)	<200(J)	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
trans-1,3-Dichloropropylene	<25	<200(J)	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	<2
Trichloroethylene	<25	<200	<200	<50	<200	<200	<200	<100(E)	<100	<100	<100	250
Trichlorofluoromethane	<130	<200(J)	<200(J)		<200	<200	<200	<100(E)	<100		<500	<2
Vinyl Acetate				<500								<20
Vinyl Chloride	<130	<200(J)	<200(J)	<50	<200	<200	<200	<100(E)	<100	<500	<500	<2

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-10 89/12/08 BAC/ORG	BF-10 89/12/19 BAC/ORG	BF-10 90/02/23 BAC/ORG	BF-10 90/04/18 BAC/ORG	BF-10 90/08/05 BAC/ORG	BF-10 90/12/01 BAC/ORG	BF-10 91/04/24 BAC/ORG	BF-10 91/11/20 ATI/ORG	BF-11 89/12/07 BAC/ORG	BF-11 89/12/19 BAC/ORG	BF-11 90/02/23 BAC/ORG	BF-11 90/04/17 ATI/SPT
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Trifluoroethane												
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<50	<20	<10	
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<50	<20	<10	
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<50	<20	<10	
2-Chloroethylvinyl ether	<1	<1	<1	<1	<1	<1	<1		<50	<20	<10	<10
2-Hexanone								<10				<100
4-Methyl-2-Pentanone								<10				<100
Acetone	<10	<10	10	<10	<10	<10	<10	<20	<500	<200	<100	<100
Acrolein	<20	<20	<20	<20	<20	<20	<20		<1000	<400	<200	
Acrylonitrile	<20	<20	<20	<20	<20	<20	<20		<1000	<400	<200	
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Bis(chloromethyl)ether												
Bromochloromethane			<1	<1	<1						<10	
Bromodichloromethane	<1	<1				<1	<1	<1	<50	<20		<10
Bromoform	<1	<1	<1	<1	<1	<1	<1	<5	<50	<20	<10	<50
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<10	<50	<20	<10	<100
C4 Thiophene					10							
Carbon Disulfide								<1				<10
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	2300	1900	190	<10
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Chloromethane	<2	<2	<2	<2	<2	<2	<2	<10	<100	<40	<20	<100
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene								<1				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Dichlorodifluoromethane												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Isopropyl Benzene												
Methyl Ethyl Ketone								<20				<100
Methylene Chloride	<1	<1	<1	<2	<2	<2	<2	<5	<50	<20	<10	<50
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene								<1				<10
T-Butyl Benzene												
TDC Benzene												<50
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Tetrahydrothiophene								10				
Toluene	<1	<1	<1	<1	<1	<1	<1	<2	<50	<20	<10	<10
Total Xylenes								<1				<10
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1		<50	<20	<10	
Vinyl Acetate								<10				<100
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<50	<20	<10	<10

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-11 90/04/17 BAC/FD	BF-11 90/04/17 BAC/ORG	BF-11 90/08/04 BAC/ORG	BF-12 89/12/07 BAC/FD	BF-12 89/12/07 BAC/ORG	BF-12 89/12/19 BAC/ORG	BF-12 90/02/23 BAC/ORG	BF-12 90/04/19 BAC/ORG	BF-12 90/08/04 BAC/ORG	BF-12 90/12/02 BAC/ORG	BF-12 91/04/24 BAC/ORG	BF-12 91/11/20 ATI/ORG
1,1,1-Trichloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trifluoroethane												
1,1,2-Trichloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	
1,4-Dichlorobenzene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	
2-Chloroethylvinyl ether	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	
2-Hexanone												<10
4-Methyl-2-Pentanone												<10
Acetone	<100	<100	<200	<10	<10	<10	<10	<10	<10	<10	<10	<20
Acrolein	<200	<200	<400	<20	<20	<20	<20	<20	<20	<20	<20	
Acrylonitrile	<200	<200	<400	<20	<20	<20	<20	<20	<20	<20	<20	
Benzene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane	<10	<10	<20				<1	<1	<1			
Bromodichloromethane				<1	<1	<1				<1	<1	<1
Bromoform	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<5
Bromomethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<10
C4 Thiophene												
Carbon Disulfide												<1
Carbon Tetrachloride	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	2000	2100	2300	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<20	<20	<40	<2	<2	<2	<2	<2	<2	<2	<2	<10
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												<1
cis-1,3-Dichloropropylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyclohexane												
Dibromochloromethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane												
Ethylbenzene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone												<20
Methylene Chloride	<20	<20	<40	<1	<1	<1	<1	<2	<2	<2	<2	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene												<1
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrahydrothiophene												
Toluene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<2
Total Xylenes												<1
trans-1,2-Dichloroethylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	
Vinyl Acetate												<10
Vinyl Chloride	<10	<10	<20	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-13 89/11/06 ATI/SPT	BF-13 89/11/06 BAC/FD	BF-13 89/11/06 BAC/ORG	BF-13 89/11/16 BAC/ORG	BF-13 90/02/23 BAC/ORG	BF-13 90/04/19 BAC/ORG	BF-13 90/08/06 BAC/ORG	BF-14 89/10/26 ATI/SPT	BF-14 89/10/26 BAC/FD	BF-14 89/10/28 BAC/ORG	BF-14 89/11/15 BAC/ORG	BF-14 90/02/23 BAC/ORG
1,1,1-Trichloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,1,2,2-Tetrachloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Trifluoroethane												
1,1,2-Trichloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,1-Dichloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,1-Dichloroethylene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<500	<500	<500	<500	<250	<250		<20	<10	<50	<10
1,2-Dichloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,2-Dichloroethylene												
1,2-Dichloropropane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<500	<500	<500	<500	<250	<250		<20	<10	<50	<10
1,4-Dichlorobenzene		<500	<500	<500	<500	<250	<250		<20	<10	<50	<10
2-Chloroethylvinyl ether	<2000	<500	<500	<500	<500	<250	<250	<30	<20	<10	<50	<10
2-Hexanone	<2000							<30				
4-Methyl-2-Pentanone	<2000							<30				
Acetone	<2000	<5000	<5000	<5000	<5000	<2500	<2500	300	<200	<100	<500	<100
Acrolein		<10000	<10000	<10000	<10000	<5000	<5000		<400	<200	<1000	<200
Acrylonitrile		<10000	<10000	<10000	<10000	<5000	<5000		<400	<200	<1000	<200
Benzene	32000	48000	33000	38000	43000	37000	35000	4	<20	<10	<50	<10
Bis(chloromethyl)ether												
Bromochloromethane					<500	<250	<250					<10
Bromodichloromethane	<200	<500	<500	<500				<3	<20	<10	<50	
Bromoform	<1000	<500	<500	<500	<500	<250	<250	<15	<20	<10	<50	<10
Bromomethane	<2000	<500	<500	<500	<500	<250	<250	<30	<20	<10	<50	<10
C4 Thiophene												
Carbon Disulfide	<200							<3				
Carbon Tetrachloride	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Chlorobenzene	<200	<500	<500	<500	<500	<250	<250	1100	1100	1300	1200	1400
Chloroethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Chloroform	<200	<500	<500	<500	<500	<250	<250	4	<20	<10	<50	<10
Chloromethane	<2000	<1000	<1000	<1000	<1000	<500	<500	<30	<40	<20	<100	<20
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Cyclohexane												
Dibromochloromethane	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Dichlorodifluoromethane												
Ethylbenzene	650	800	680	680	700	700	680	<3	<20	<10	<50	<10
Isopropyl Benzene												
Methyl Ethyl Ketone	<2000							<30				
Methylene Chloride	<1000	<500	<500	<500	<500	<500	<500	<15	<20	<10	<50	<10
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<200							<3				
T-Butyl Benzene												
TDC Benzene	<1000							<15				
Tetrachloroethylene	<200	<500	<500	<500	<500	<250	<250	4	<20	<10	<50	<10
Tetrahydrothiophene												
Toluene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Total Xylenes	<200							<3				
trans-1,2-Dichloroethylene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
trans-1,3-Dichloropropylene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Trichloroethylene	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10
Trichlorofluoromethane		<500	<500	<500	<500	<250	<250		<20	<10	<50	<10
Vinyl Acetate	<2000							<30				
Vinyl Chloride	<200	<500	<500	<500	<500	<250	<250	<3	<20	<10	<50	<10

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-14 90/04/18 BAC/ORG	BF-14 90/08/05 BAC/ORG	BF-15 89/10/26 BAC/ORG	BF-15 89/11/14 ATI/SPT	BF-15 89/11/14 BAC/FD	BF-15 89/11/14 BAC/ORG	BF-15 90/02/22 BAC/ORG	BF-15 90/04/17 BAC/ORG	BF-15 90/08/04 BAC/ORG	BF-16 89/12/19 ATI/SPT	BF-16 89/12/19 BAC/FD	BF-16 89/12/19 BAC/ORG
1,1,1-Trichloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,1,2,2-Tetrachloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Trifluoroethane												
1,1,2-Trichloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,1-Dichloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,1-Dichloroethylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<20	<20	<200		<500	<500	<500	<500	<500		<1	<2
1,2-Dichloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,2-Dichloroethylene												
1,2-Dichloropropane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<20	<20	<200		<500	<500	<500	<500	<500		<1	<2
1,4-Dichlorobenzene	<20	<20	<200		<500	<500	<500	<500	<500		<1	<2
2-Chloroethylvinyl ether	<20	<20	<200	<1000	<500	<500	<500	<500	<500	<10	<1	<2
2-Hexanone				<1000						<10		
4-Methyl-2-Pentanone				<1000						<10		
Acetone	<200	<200	<2000	<1000	<5000	<5000	<5000	<5000	<5000	<10	<10	<20
Acrolein	<400	<400	<4000		<10000	<10000	<10000	<10000	<10000		<20	<40
Acrylonitrile	<400	<400	<4000		<10000	<10000	<10000	<10000	<10000		<20	<40
Benzene	<20	<20	<200	<100	<500	<500	<500[EP]	<500	<500	<1	<1	<2
Bis(chloromethyl)ether												
Bromochloromethane	<20	<20					<500	<500	<500			
Bromodichloromethane			<200	<100	<500	<500				2	2	<2
Bromoform	<20	<20	<200	<500	<500	<500	<500	<500	<500	<5	1	<2
Bromomethane	<20	<20	<200	<1000	<500	<500	<500	<500	<500	<10	<1	<2
C4 Thiophene												
Carbon Disulfide				<100						<1		
Carbon Tetrachloride	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Chlorobenzene	1800	2000	37000	35000	45000	34000	36000	42000	35000	170	170	180
Chloroethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Chloroform	<20	<20	<200	<100	<500	<500	<500	<500	<500	2	2	<2
Chloromethane	<40	<40	<400	<1000	<1000	<1000	<1000	<1000	<1000	<10	<2	<4
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Cyclohexane												
Dibromochloromethane	<20	<20	<200	<100	<500	<500	<500	<500	<500	2	3	<2
Dichlorodifluoromethane												
Ethylbenzene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Isopropyl Benzene												
Methyl Ethyl Katone				<1000						<10		
Methylene Chloride	<40	<40	<200	<500	<500	<500	<500	<1000	<1000	<5	<1	<2
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene				<100						<1		
T-Butyl Benzene												
TDC Benzene				<500						<5		
Tetrachloroethylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Tetrahydrothiophene												
Toluene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Total Xylenes				<100						<1		
trans-1,2-Dichloroethylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
trans-1,3-Dichloropropylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Trichloroethylene	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2
Trichlorofluoromethane	<20	<20	<200		<500	<500	<500	<500	<500		<1	<2
Vinyl Acetate				<1000						<10		
Vinyl Chloride	<20	<20	<200	<100	<500	<500	<500	<500	<500	<1	<1	<2

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-16 90/01/10 BAC/ORG	BF-16 90/02/23 BAC/ORG	BF-16 90/04/17 BAC/ORG	BF-16 90/08/04 ATI/SPT	BF-16 90/08/04 BAC/FD	BF-16 90/08/04 BAC/ORG	BF-16 90/11/29 BAC/ORG	BF-16 91/04/24 BAC/ORG	BF-17 89/12/20 ATI/SPT	BF-17 89/12/20 BAC/FD	BF-17 89/12/20 BAC/ORG	BF-17 90/01/10 BAC/ORG
1,1,1-Trichloroethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
1,1,2,2-Tetrachloroethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Trifluoromethane												
1,1,2-Trichloroethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
1,1-Dichloroethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
1,1-Dichloroethylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<5	<10	<1		<1	<1	<1	<1		<20	<20	<50
1,2-Dichloroethane	<5	<10	<1	<1	<1	<1	<1	<1	27	20	30	<50
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<5	<10	<1		<1	<1	<1	<1		<20	<20	<50
1,4-Dichlorobenzene	<5	<10	<1		<1	<1	<1	<1		<20	<20	<50
2-Chloroethylvinyl ether	<5	<10	<1		<1	<1	<1	<1	<200	<20	<20	<50
2-Hexanone				<10					<200			
4-Methyl-2-Pentanone				<10					<200			
Acetone	<50	<100	<10	<10	<10	<10	<10	<10	<200	<200	<200	<500
Acrolein	<100	<200	<20		<20	<20	<20	<20		<400	<400	<1000
Acrylonitrile	<100	<200	<20		<20	<20	<20	<20		<400	<400	<1000
Benzene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Bis(chloromethyl)ether												
Bromochloromethane		<10	<1		<1	<1						
Bromodichloromethane	<5			<1			<1	<1	<20	<20	<20	<50
Bromoform	<5	<10	<1	<5	<1	<1	<1	<1	<100	<20	<20	<50
Bromomethane	<5	<10	<1	<10	<1	<1	<1	<1	<200	<20	<20	<50
C4 Thiophene												
Carbon Disulfide				<1					<20			
Carbon Tetrachloride	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Chlorobenzene	170	170	150	140	150	160	200	180	2300	2500	2300	3600
Chloroethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Chloroform	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Chloromethane	<10	<20	<2	<10	<2	<2	<2	<2	<200	<40	<40	<100
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethene				<1								
cis-1,3-Dichloropropylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Cyclohexane												
Dibromochloromethane	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Dichlorodifluoromethane												
Ethylbenzene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Isopropyl Benzene												
Methyl Ethyl Ketone				<10					<200			
Methylene Chloride	<5	<10	<2	<5	<2	<2	<2	<2	<100	<20	<20	<50
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene				<1					<20			
T-Butyl Benzene												
TDC Benzene				<5					<100			
Tetrachloroethylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Tetrahydrothiophene												
Toluene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Total Xylenes				<1					<20			
trans-1,2-Dichloroethylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
trans-1,3-Dichloropropylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Trichloroethylene	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50
Trichlorofluoromethane	<5	<10	<1		<1	<1	<1	<1		<20	<20	<50
Vinyl Acetate				<10					<200			
Vinyl Chloride	<5	<10	<1	<1	<1	<1	<1	<1	<20	<20	<20	<50

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-17 90/02/23 BAC/ORG	BF-17 90/04/19 BAC/ORG	BF-17 90/08/04 BAC/ORG	BF-17 90/11/29 ATI/SPT	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG	BF-17 91/04/24 BAC/ORG	BF-18 91/08/07 ATI/ORG	BF-18 91/10/10 ATI/ORG	BF-18 95/12/01 BAC/ORG	BF-19 91/07/02 ATI/ORG	BF-19 91/10/09 ATI/ORG
1,1,1-Trichloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Trifluoroethane										<2		
1,1,2-Trichloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
1,1-Dichloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene										<1		
1,2-Dichlorobenzene	<50	<50	<50		<50	<50	<50			<1		
1,2-Dichloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<0.5	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene										<1		
1,3-Dichlorobenzene	<50	<50	<50		<50	<50	<50			<1		
1,4-Dichlorobenzene	<50	<50	<50		<50	<50	<50			<1		
2-Chloroethylvinyl ether	<50	<50	<50		<50	<50	<50			<5		
2-Hexanone				<200				<10	<10	<5	<10	<10
4-Methyl-2-Pentanone				<200				<10	<10	<5	<10	<10
Acetone	<500	<500	<500	<200	<500	<500	<500	<20	<20	<20	<20	<20
Acrolein	<1000	<1000	<1000		<1000	<1000	<1000					
Acrylonitrile	<1000	<1000	<1000		<1000	<1000	<1000			<50		
Benzene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane	<50	<50	<50									
Bromodichloromethane				<20	<50	<50	<50	<1	<1	<1	<1	<1
Bromoform	<50	<50	<50	<100	<50	<50	<50	<5	<5	<1	<5	<5
Bromomethane	<50	<50	<50	<200	<50	<50	<50	<10	<10	<1	<10	<10
C4 Thiophene												
Carbon Disulfide				<20				<1	<1	<2	<1	<1
Carbon Tetrachloride	<50	<50	<50	<20	<50	<50	<50	<1	<1	<0.5	<1	<1
Chlorobenzene	4000	4100	4300	3300	3700	3600	3600	5	12	42	<1	<1
Chloroethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Chloroform	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	1	<1
Chloromethane	<100	<100	<100	<200	<100	<100	<100	<10	<10	<1	<10	<10
cis & trans 1,3-Dichloropropene												
cis-1,2-Dichloroethane				<20				<1	<1	<1	<1	<1
cis-1,3-Dichloropropylene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Cyclohexane										<5		
Dibromochloromethane	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Dichlorodifluoromethane										<5		
Ethylbenzene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Isopropyl Benzene										<1		
Methyl Ethyl Ketone				<200				<20	<20	<5	<20	<20
Methylene Chloride	<50	<100	<100	<100	<100	<100	<100	<5	<5	<2	<5	<5
n-Propylbenzene										<1		
Naphthalene										<2		
Propylbenzene										<1		
S-Butyl Benzene										<1		
Styrene				<20				<1	<1	<1	<1	<1
T-Butyl Benzene										<1		
TDC Benzene				<100								
Tetrachloroethylene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Tetrahydrothiophene												
Toluene	<50	<50	<50	<20	<50	<50	<50	<2	<2	<1	<2	<2
Total Xylenes				<20				<1	<1	<3	<1	<1
trans-1,2-Dichloroethylene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1
Trichloroethylene	<50	<50	<50	<20	<50	<50	<50	7	10	130	<1	<1
Trichlorofluoromethane	<50	<50	<50		<50	<50	<50			<1		
Vinyl Acetate				<200				<10	<10	<10	<10	<10
Vinyl Chloride	<50	<50	<50	<20	<50	<50	<50	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-20 91/08/21 ATI/ORG	BF-20 91/10/11 APPL/SPT	BF-20 91/10/11 ATI/FD	BF-20 91/10/11 ATI/ORG	BF-21 91/05/30 ATI/ORG	BF-21 91/10/17 APPL/SPT	BF-21 91/10/17 ATI/FD	BF-21 91/10/17 ATI/ORG	BF-22 91/06/18 ATI/ORG	BF-22 91/10/16 APPL/SPT	BF-22 91/10/16 ATI/FD
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,1,2,2-Tetrachloroethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,1,2-Trichloro-1,2,2-Trifluoroethane											
1,1,2-Trichloroethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,1-Dichloroethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,1-Dichloroethylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,2,4-Trimethyl Benzene											
1,2-Dichlorobenzene		<25				<50				<5	
1,2-Dichloroethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,2-Dichloropropane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene		<25				<50				<5	
1,4-Dichlorobenzene		<25				<50				<5	
2-Chloroethylvinyl ether		<50				<100				<10	
2-Hexanone	<100		<50	<50	<500		<500	<500	<50		<20
4-Methyl-2-Pentanone	<100		<50	<50	<500		<500	<500	<50		<20
Acetone	<200	<500	<100	<100	<1000	<1000	<1000	<1000	<100	<100	<40
Acrylonitrile											
Benzene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Bromodichloromethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Bromoform	<50	<25	<25	<25	<250	<50	<250	<250	<25	<5	<10
Bromomethane	<100	<50	<50	<50	<500	<100	<500	<500	<50	<10	<20
Carbon Disulfide	<10		<5	<5	<50		<50	<50	<5		<2
Carbon Tetrachloride	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Chlorobenzene	1000	660	680	720	7700	7600	7900	8900	450	350	380
Chloroethane	<10	<50	<5	<5	<50	<100	<50	<50	<5	<10	<2
Chloroform	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Chloromethane	<100	<50	<50	<50	<500	<100	<500	<500	<50	<10	<20
cis-1,2-Dichloroethene	<10		<5	<5	<50		<50	<50	<5		<2
cis-1,3-Dichloropropylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Cyclohexane											
Dibromochloromethane	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Dichlorodifluoromethane											
Ethylbenzene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Isopropyl Benzene											
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone	<200		<100	<100	<1000		<1000	<1000	<100		<40
Methylene Chloride	<50	<25	<25	<25	<250	<50	<250	<250	<25	10	<10
n-Propylbenzene											
Naphthalene											
o-Xylene/Ortho Xylene											
Propylbenzene											
S-Butyl Benzene											
Styrene	<10		<5	<5	<50		<50	<50	<5		<2
T-Butyl Benzene											
Tetrachloroethylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Toluene	<20	<25	<10	<10	<100	<50	<100	<100	<10	<5	<4
Total 1,2-Dichloroethene											
Total Xylenes	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
trans-1,2-Dichloroethylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
trans-1,3-Dichloropropylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Trichloroethylene	<10	<25	<5	<5	<50	<50	<50	<50	<5	<5	<2
Trichlorofluoromethane		<50				<100				<10	
Unknown (as appropriate w/method)										8	
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate	<100		<50	<50	<500		<500	<500	<50		<20
Vinyl Chloride	<10	<50	<5	<5	<50	<100	<50	<50	<5	<10	<2

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-22 91/10/16 ATI/ORG	BF-23 91/06/19 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/05/31 APPL/SPT	BF-24 91/05/31 ATI/FD	BF-24 91/05/31 ATI/ORG	BF-24 91/10/10 ATI/ORG	BF-24 95/12/01 BAC/ORG	BF-25 91/07/02 ATI/ORG	BF-25 91/10/17 ATI/ORG	BF-26 91/09/09 ATI/ORG
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane								<2			
1,1,2-Trichloroethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,1-Dichloroethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,1-Dichloroethylene	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,2,4-Trimethyl Benzene								<1			
1,2-Dichlorobenzene				<250				7.2			
1,2-Dichloroethane	<4	<1	<1	<250	<50	<50	60	<0.5	<1	<1	<1
1,2-Dichloropropane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
1,3,5-Trimethyl Benzene								<1			
1,3-Dichlorobenzene				<250				<1			
1,4-Dichlorobenzene				<250				53			
2-Chloroethylvinyl ether				<500				<5			
2-Hexanone	<40	<10	<10		<500	<500	<500	<5	<10	<10	<10
4-Methyl-2-Pentanone	<40	<10	<10		<500	<500	<500	<5	<10	<10	<10
Acetone	<80	<20	<20	<1250	<1000	<1000	<1000	<20	<20	<20	<20
Acrylonitrile								<50			
Benzene	<4	<1	<1	<250	<50	<50	<50	31	<1	<1	<1
Bromodichloromethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	1
Bromoform	<20	<5	<5	<250	<250	<250	<250	<1	<5	<5	<5
Bromomethane	<40	<10	<10	<500	<500	<500	<500	<1	<10	<10	<10
Carbon Disulfide	<4	<1	<1		<50	<50	<50	<2	<1	<1	<1
Carbon Tetrachloride	<4	<1	<1	<250	<50	<50	<50	<0.5	<1	<1	<1
Chlorobenzene	360	120	100	8560	8300	8200	9700	17000	75	62	29
Chloroethane	<4	<1	<1	<500	<50	<50	<50	<1	<1	<1	<1
Chloroform	<4	<1	<1	<250	<50	<50	<50	2	<1	<1	1
Chloromethane	<40	<10	<10	<500	<500	<500	<500	<1	<10	<10	<10
cis-1,2-Dichloroethene	<4	<1	<1		<50	<50	<50	<1	<1	<1	<1
cis-1,3-Dichloropropylene	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
Cyclohexane								<5			
Dibromochloromethane	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
Dichlorodifluoromethane								<5			
Ethylbenzene	<4	<1	<1	<250	<50	<50	<50	1.3	<1	<1	<1
Isopropyl Benzene								<1			
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone	<80	<20	<20		<1000	<1000	<1000	<5	<20	<20	<20
Methylene Chloride	<20	<5	<5	<250	<250	<250	<250	<2	<5	<5	<5
n-Propylbenzene								<1			
Naphthalene								<2			
o-Xylene/Ortho Xylene											
Propylbenzene								<1			
S-Butyl Benzene								<1			
Styrene	<4	<1	<1		<50	<50	<50	<1	<1	<1	<1
T-Butyl Benzene								<1			
Tetrachloroethylene	<4	<1	<1	<250	<50	<50	<50	4.2	<1	<1	<1
Toluene	<8	<2	<2	<250	<100	<100	<100	<1	<2	<2	<2
Total 1,2-Dichloroethane											
Total Xylenes	<4	<1	<1	<250	<50	<50	<50	<3	<1	<1	<1
trans-1,2-Dichloroethylene	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
Trichloroethylene	<4	<1	<1	<250	<50	<50	<50	<1	<1	<1	<1
Trichlorofluoromethane				<500				<1			
Unknown (as appropriate w/method)											
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate	<40	<10	<10		<500	<500	<500	<10	<10	<10	<10
Vinyl Chloride	<4	<1	<1	<500	<50	<50	<50	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-26 91/10/17 ATI/ORG	BF-26 92/07/21 ATI/FD	BF-26 92/07/21 ATI/ORG	BF-26 92/07/21 ENCO/SPT	BF-26 93/01/28 ATI/FD	BF-26 93/01/28 ATI/ORG	BF-26 93/01/28 ENCO/SPT	BF-26 95/11/27 ATI/SPT	BF-26 95/11/27 BAC/ORG	BF-27 91/07/25 ATI/ORG	BF-27 91/10/17 ATI/ORG
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<5	<1	<1	<5	<2	<1	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane					<5	<5		<5	<2		
1,1,2-Trichloroethane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
1,2,4-Trimethyl Benzene									<1		
1,2-Dichlorobenzene					<5	<5		<5	<1		
1,2-Dichloroethane	<1	<1	<1	<5	<1	<1	<5	<1	<0.5	<1	<1
1,2-Dichloropropane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
1,3,5-Trimethyl Benzene									<1		
1,3-Dichlorobenzene					<5	<5		<5	<1		
1,4-Dichlorobenzene					<5	<5		<5	<1		
2-Chloroethylvinyl ether				<10			<10		<5		
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<10
4-Methyl-2-Pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<10
Acetone	<20	<10	<10	<10	<10	<10	<10	<10	<20	<20	<20
Acrylonitrile									<50		
Benzene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<10	<10	<10	<1	<10	<10
Carbon Disulfide	<1	<1	<1	<5	<1	<1	<5	<2	<2	<1	<1
Carbon Tetrachloride	<1	<1	<1	<5	<1	<1	<5	<1	<0.5	<1	<1
Chlorobenzene	46	20	20	18	16	15	18	8	7.4	<1	<1
Chloroethane	<1	<5	<5	<10	<5	<5	<10	<5	<1	<1	<1
Chloroform	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Chloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<1	<10	<10
cis-1,2-Dichloroethene	<1	<1	<1		<1	<1		<1	<1	<1	<1
cis-1,3-Dichloropropylene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Cyclohexane									<5		
Dibromochloromethane	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Dichlorodifluoromethane					<10	<10		<10	<5		
Ethylbenzene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Isopropyl Benzene									<1		
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone	<20	<10	<10	<10	<10	<10	<10	<10	<5	<20	<20
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<5
n-Propylbenzene									<1		
Naphthalene									<2		
o-Xylene/Ortho Xylene											
Propylbenzene									<1		
S-Butyl Benzene									<1		
Styrene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
T-Butyl Benzene									<1		
Tetrachloroethylene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Toluene	<2	<2	<2	<5	<2	<2	<5	<2	<1	<2	<2
Total 1,2-Dichloroethene				<5			<5				
Total Xylenes	<1	<1	<1	<5	<2	<2	<5	<1	<3	<1	<1
trans-1,2-Dichloroethylene	<1	<1	<1		<1	<1		<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
Trichlorofluoromethane				<5	<5	<5	<5	<5	<1		
Unknown (as appropriate w/method)											
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate	<10			<10			<10		<10	<10	<10
Vinyl Chloride	<1	<5	<5	<10	<5	<5	<10	<5	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-28 91/07/25 ATI/ORG	BF-28 91/10/16 ATI/ORG	BF-29 91/08/08 APPL/SPT	BF-29 91/08/08 ATI/FD	BF-29 91/08/08 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/08/21 ATI/ORG	BF-30 91/10/16 ATI/ORG	BF-30 92/07/21 ATI/ORG	BF-30 95/11/27 BAC/ORG	BF-31 91/08/23 ATI/ORG
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,1,2,2-Tetrachloroethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,1,2-Trichloro-1,2,2-Trifluoroethane										<2	
1,1,2-Trichloroethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,1-Dichloroethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,1-Dichloroethylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,2,4-Trimethyl Benzene										<1	
1,2-Dichlorobenzene			<10							<1	
1,2-Dichloroethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<0.5	<5
1,2-Dichloropropane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
1,3,5-Trimethyl Benzene										<1	
1,3-Dichlorobenzene			<10							<1	
1,4-Dichlorobenzene			<10							<1	
2-Chloroethylvinyl ether			<20							<5	
2-Hexanone	<10	<10		<50	<50	<20	<10	<10	<10	<5	<50
4-Methyl-2-Pentanone	<10	<10		<50	<50	<20	<10	<10	<10	<5	<50
Acetone	<20	<20	500[ET]	<100	<100	<40	<20	<20	<10	<20	<100
Acrylonitrile										<50	
Benzene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Bromodichloromethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Bromoform	<5	<5	<10	<25	<25	<10	<5	<5	<5	<1	<25
Bromomethane	<10	<10	<20	<50	<50	<20	<10	<10	<10	<1	<50
Carbon Disulfide	<1	<1		<5	<5	<2	<1	<1	<1	<2	<5
Carbon Tetrachloride	<1	<1	<10	<5	<5	<2	<1	<1	<1	<0.5	<5
Chlorobenzene	2	5	370	650	620	270	<1	<1	<1	<1	430
Chloroethane	<1	<1	<20	<5	<5	<2	<1	<1	<5	<1	<5
Chloroform	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Chloromethane	<10	<10	<20	<50	<50	<20	<10	<10	<10	<1	<50
cis-1,2-Dichloroethene	<1	<1		<5	<5	<2	<1	<1	<1	<1	<5
cis-1,3-Dichloropropylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Cyclohexane										<5	
Dibromochloromethane	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Dichlorodifluoromethane										<5	
Ethylbenzene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Isopropyl Benzene										<1	
m,p-xylenes											
Meta & Para Xylenes											
Methyl Ethyl Ketone	<20	<20		<100	<100	<40	<20	<20	<10	<5	<100
Methylene Chloride	<5	<5	<10	<25	<25	<10	<5	<5	<5	<2	<25
n-Propylbenzene										<1	
Naphthalene										<2	
o-Xylene/Ortho Xylene											
Propylbenzene										<1	
S-Butyl Benzene										<1	
Styrene	<1	<1		<5	<5	<2	<1	<1	<1	<1	<5
T-Butyl Benzene										<1	
Tetrachloroethylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Toluene	<2	<2	<10	<10	<10	<4	<2	<2	<2	<1	<10
Total 1,2-Dichloroethene											
Total Xylenes	<1	<1	<10	<5	<5	<2	<1	<1	<1	<3	<5
trans-1,2-Dichloroethylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
trans-1,3-Dichloropropylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Trichloroethylene	<1	<1	<10	<5	<5	<2	<1	<1	<1	<1	<5
Trichlorofluoromethane			<20							<1	
Unknown (as appropriate w/method)											
Unknown Oxygenated Hydrocarbon											
Vinyl Acetate	<10	<10		<50	<50	<20	<10	<10		<10	<50
Vinyl Chloride	<1	<1	<20	<5	<5	<2	<1	<1	<5	<1	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-31 91/10/16 ATI/ORG	BF-31 92/07/21 ATI/ORG	BF-31 93/01/27 ATI/ORG	BF-31 95/11/27 BAC/ORG	BF-32 91/10/02 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-32 93/08/31 ATI/ORG	BF-32A 95/11/29 BAC/FD	BF-32A 95/11/29 BAC/ORG	BF-32A 96/08/08 SPL/ORG	BF-33 91/09/10 ATI/ORG
1,1,1,2-Tetrachloroethane										<1	
1,1,1-Trichloroethane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<2	<5	<5	<1	<1	<1	<1	<1	<1		<1
1,1,2-Trichloro-1,2,2-Trifluoroethane			<25	<2			<5	<2	<2		
1,1,2-Trichloroethane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene				<1				<1	<1		
1,2-Dichlorobenzene			<25	<1		8	<5	<1	<1	<1	
1,2-Dichloroethane	<2	<5	<5	2.7	<1	<1	<1	<0.5	<0.5	<1	<1
1,2-Dichloropropane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene				<1				<1	<1		
1,3-Dichlorobenzene			<25	<1			<5	<1	<1	<1	
1,4-Dichlorobenzene			<25	2.6		<5	<5	<1	<1	<1	
2-Chloroethylvinyl ether				<5				<5	<5	<1	
2-Hexanone	<20	<50	<50	<5	<10	<10	<10	<5	<5		<10
4-Methyl-2-Pentanone	<20	<50	<50	<5	<10	<10	<10	<5	<5		<10
Acetone	<40	<50	<50	<20	<20	<20	<10	<20	<20		<20
Acrylonitrile				<50				<50	<50		
Benzene	<2	<5	<5	<1	<1	<1	<1	<1	<1	2	<1
Bromodichloromethane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<10	<25	<25	<1	<5	<5	<5	<1	<1	<1	<5
Bromomethane	<20	<50	<50	<1	<10	<10	<10	<1	<1	<1	<10
Carbon Disulfide	<2	<5	<5	<2	<1	<1	<1	<2	<2		<1
Carbon Tetrachloride	<2	<5	<5	<0.5	<1	<1	<1	<0.5	<0.5	<1	<1
Chlorobenzene	390	370	410	290	2	<1	<1	19	12	37	<1
Chloroethane	<2	<25	<25	<1	<1	<1	<5	<1	<1	<1	<1
Chloroform	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<20	<50	<50	<1	<10	<10	<10	<1	<1	<1	<10
cis-1,2-Dichloroethene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Cyclohexane				<5				<5	<5		
Dibromochloromethane	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane			<50	<5			<10	<5	<5	<1	
Ethylbenzene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Isopropyl Benzene				<1				<1	<1		
m,p-xylenes										<1	
Meta & Para Xylenes										<1	
Methyl Ethyl Ketone	<40	<50	<50	<5	<20	<20	<10	<5	<5		<20
Methylene Chloride	<10	<25	<25	<2	<5	<5	<5	<2	<2	<1	<5
n-Propylbenzene				<1				<1	<1		
Naphthalene				<2				<2	<2		
o-Xylene/Ortho Xylene										<1	
Propylbenzene				<1				<1	<1		
S-Butyl Benzene				<1				<1	<1		
Styrene	<2	<5	<5	<1	<1	<1	<1	<1	<1		<1
T-Butyl Benzene				<1				<1	<1		
Tetrachloroethylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<4	<10	<10	<1	<2	<2	<2	<1	<1	<1	<2
Total 1,2-Dichloroethene											
Total Xylenes	<2	<5	<10	<3	<1	<1	<1	<3	<3		<1
trans-1,2-Dichloroethylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<2	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane			<25	<1			<5	<1	<1	<1	
Unknown (as appropriate w/method)											
Unknown Oxygenated Hydrocarbon							8				
Vinyl Acetate	<20			<10	<10	<10		<10	<10		<10
Vinyl Chloride	<2	<25	<25	<1	<1	<1	<5	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-33 91/10/16 ATI/ORG	BF-33 96/08/09 SPL/ORG
1,1,1,2-Tetrachloroethane		
1,1,1-Trichloroethane	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1
1,1,2-Trichloro-1,2,2-Trifluoroethane		
1,1,2-Trichloroethane	<1	<1
1,1-Dichloroethane	<1	<1
1,1-Dichloroethylene	<1	<1
1,2,4-Trimethyl Benzene		
1,2-Dichlorobenzene		<1
1,2-Dichloroethane	3	<1
1,2-Dichloropropane	<1	<1
1,3,5-Trimethyl Benzene		
1,3-Dichlorobenzene		<1
1,4-Dichlorobenzene		<1
2-Chloroethylvinyl ether		<1
2-Hexanone	<10	
4-Methyl-2-Pentanone	<10	
Acetone	<20	
Acrylonitrile		
Benzene	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<5	<1
Bromomethane	<10	<1
Carbon Disulfide	<1	
Carbon Tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<10	<1
cis-1,2-Dichloroethene	<1	<1
cis-1,3-Dichloropropylene	<1	<1
Cyclohexane		
Dibromochloromethane	<1	<1
Dichlorodifluoromethane		<1
Ethylbenzene	<1	<1
Isopropyl Benzene		
m,p-xylenes		<1
Meta & Para Xylenes		<1
Methyl Ethyl Ketone	<20	
Methylene Chloride	<5	<1
n-Propylbenzene		
Naphthalene		
o-Xylene/Ortho Xylene		<1
Propylbenzene		
S-Butyl Benzene		
Styrene	<1	
T-Butyl Benzene		
Tetrachloroethylene	<1	<1
Toluene	<2	<1
Total 1,2-Dichloroethene		
Total Xylenes	<1	
trans-1,2-Dichloroethylene	<1	<1
trans-1,3-Dichloropropylene	<1	<1
Trichloroethylene	<1	<1
Trichlorofluoromethane		<1
Unknown (as appropriate w/method)		
Unknown Oxygenated Hydrocarbon		
Vinyl Acetate	<10	
Vinyl Chloride	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-01 87/02/27 BAC/ORG	G-01 87/04/01 BAC/ORG	G-01 87/11/17 BAC/FD	G-01 87/11/17 BAC/LD	G-01 87/11/17 BAC/ORG	G-01 88/01/19 BAC/ORG	G-01 88/04/21 BAC/ORG	G-01 88/07/26 BAC/ORG	G-01 88/10/13 BAC/ORG
1,1,1-Trichloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Trifluoroethane												
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<25	<25	<25
1,1-Dichloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,1-Dichloroethylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,2-Dichloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10	<1	<1	<1	<2	<75	<75	<75
2-Hexanone												
4-Methyl-2-Pentanone												
Acetone	<100	<100	<100	<100	<100	<10	<10	<10	<20	<100	<50	<100
Acrolein	<100	<100	<100	<100	<100	<10	<10	<10	<20	<125	<130	<130
Acrylonitrile	<100	<100	<100	<100	<100	<10	<10	<10	<20	<50	<50	<50
Benzene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<10	<10	<10
Bis(chloromethyl)ether	<10	<10	<10	<10	<10	<1	<1	<1	<2			
Bromochloromethane												
Bromodichloromethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Bromoform	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Carbon Disulfide												
Carbon Tetrachloride	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Chlorobenzene	580	570	710	390	340	190	160	200	380	380	440	440
Chloroethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Chloroform	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	5[EB]
Chloromethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<25	<25	<25
Dichloropropene	<10	<10	<10	<10	<10	<1	<1	<1	<2			
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<25	<25	<25
Cyclohexane												
Dibromochloromethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Dichlorodifluoromethane	<10	<10	<10	<10	<10	<1	<1	<1	<2			
Ethylbenzene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Isopropyl Benzene												
Methyl Ethyl Ketone												
Methylene Chloride	<10	<10	<10	<10	<10	3[UB]	2[UB]	3[UB]	<2	<50	<50	<50
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene												
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Tetrahydrothiophene												
Toluene	<10	<10	<10	<10	<10	2[UB]	<1	1[UB]	<2	<10	<10	<10
Total 1,2-Dichloroethene												
Total Xylenes												
trans-1,2-Dichloroethylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<25	<25	<25
Trichloroethylene	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Trichlorofluoromethane	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5
Vinyl Acetate												
Vinyl Chloride	<10	<10	<10	<10	<10	<1	<1	<1	<2	<5	<5	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-01 89/02/07 BAC/ORG	G-01 89/05/18 BAC/FD	G-01 89/05/18 BAC/ORG	G-01 89/11/16 BAC/ORG	G-01 90/04/20 BAC/ORG	G-01 90/12/01 BAC/ORG	G-01 91/04/23 BAC/ORG	G-01 91/11/21 AT/ORG	G-02 87/01/07 BAC/ORG	G-02 87/01/12 BAC/ORG	G-02 87/02/26 BAC/ORG	G-02 87/04/01 BAC/FD
1,1,1-Trichloroethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,1,2,2-Tetrachloroethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Trifluoroethane												
1,1,2-Trichloroethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,1-Dichloroethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,1-Dichloroethylene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<5	<5	<5	<50	<10	<5	<1		<200	<200	<200	<200
1,2-Dichloroethane	<5(J)	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<5	<5	<5	<50	<10	<5	<1		<200	<200	<200	<200
1,4-Dichlorobenzene	<5	<5	<5	<50	<10	<5	<1		<200	<200	<200	<200
2-Chloroethylvinyl ether	<5	<5	<5	<50	<10	<5	<1		<200	<200	<200	<200
2-Hexanone								<20				
4-Methyl-2-Pentanone								<20				
Acetone	<50	<50(J)	<50(J)	<500	<100	<50	<10	<40	<2000	<2000	<2000	<2000
Acrolein	<100(J)	<100(J)	<100(J)	<1000	<200	<100	<20		<2000	<2000	<2000	<2000
Acrylonitrile	<100	<100(J)	<100(J)	<1000	<200	<100	<20		<2000	<2000	<2000	<2000
Benzene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Bis(chloromethyl)ether									<200	<200	<200	<200
Bromochloromethane					<10							
Bromodichloromethane	<5	<5	<5	<50		<5	<1	<2	<200	<200	<200	<200
Bromoform	<5	<5	<5	<50	<10	<5	<1	<10	<200	<200	<200	<200
Bromomethane	<5	<5	<5	<50	<10	<5	<1	<20	<200	<200	<200	<200
Carbon Disulfide								<2				
Carbon Tetrachloride	<5(J)	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Chlorobenzene	390	380	360	250	230	310	170	190	20000	17000	15000[EP]	13000
Chloroethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Chloroform	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Chloromethane	<10(J)	<10	<10	<100	<20	<10	<2	<20	<200	<200	<200	<200
Dichloropropane									<200	<200	<200	<200
cis-1,2-Dichloroethene							<5	<2				
cis-1,3-Dichloropropylene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Cyclohexane												
Dibromochloromethane	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Dichlorodifluoromethane									<200	<200	<200	<200
Ethylbenzene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Isopropyl Benzene												
Methyl Ethyl Ketone								<40				
Methylene Chloride	<5	<5(J)	<5(J)	<50	<20	<10	<2	<10	<200	<200	<200	<200
n-Propylbenzene												
Naphthalene			-									
Propylbenzene												
S-Butyl Benzene												
Styrene								<2				
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Tetrahydrothiophene												
Toluene	<5	5(J)[EB]	<5	<50	<10	5	2	6	<200	<200	<200	<200
Total 1,2-Dichloroethene												
Total Xylenes							<5	<2				
trans-1,2-Dichloroethylene	<5(J)	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
trans-1,3-Dichloropropylene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Trichloroethylene	<5	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200
Trichlorofluoromethane	<5(J)	<5	<5	<50	<10	<5	<1		<200	<200	<200	<200
Vinyl Acetate								<20				
Vinyl Chloride	<5(J)	<5	<5	<50	<10	<5	<1	<2	<200	<200	<200	<200

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-02 87/04/01 BAC/LD	G-02 87/04/01 BAC/ORG	G-02 87/11/17 BAC/ORG	G-02 88/01/19 BAC/ORG	G-02 88/04/20 BAC/ORG	G-02 88/07/26 BAC/ORG	G-02 88/10/13 BAC/ORG	G-02 89/02/08 BAC/ORG	G-02 89/05/19 BAC/ORG	G-02 88/11/17 BAC/ORG	G-02 90/04/21 BAC/ORG	G-02 90/12/02 BAC/ORG
1,1,1-Trichloroethane	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
1,1,2,2-Tetrachloroethane	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
Trifluoroethane												
1,1,2-Trichloroethane	<200	<200	<200	<200	<1000	<1000	<1000	<200	<200	<200	<250	<250
1,1-Dichloroethane	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
1,1-Dichloroethylene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
1,2-Dichloroethane	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
1,2-Dichloroethylene												
1,2-Dichloropropane	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
1,4-Dichlorobenzene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
2-Chloroethylvinyl ether	<200	<200	<200	<200	<3000	<3000	<3000	<200	<200	<200	<250	<250
2-Hexanone												
4-Methyl-2-Pentanone												
Acetone	<2000	<2000	<2000	<2000	<4000	<2000	<4000	<2000	<2000	<2000	<2500	<2500
Acrolein	<2000	<2000	<2000	<2000	<5000	<5000	<5000	<4000(J)	<4000	<4000	<5000	<5000
Acrylonitrile	<2000	<2000	<2000	<2000	<2000	<2000	<2000	<4000	<4000	<4000	<5000	<5000
Benzene	<200	<200	<200	<200	<400	<400	<400	<200	<200	<200	<250	<250
Bis(chloromethyl)ether	<200	<200	<200	<200								
Bromochloromethane											<250	
Bromodichloromethane	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200		<250
Bromoform	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Bromomethane	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
Carbon Disulfide												
Carbon Tetrachloride	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Chlorobenzene	13000	13000	16000	17000	14000	17000	17000	14000	16000	12000	9600	7300
Chloroethane	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
Chloroform	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Chloromethane	<200	<200	<200	<200	<1000	<1000	<1000	<400	<400	<400	<500	<500
Dichloropropene	<200	<200	<200	<200								
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<200	<200	<200	<200	<1000	<1000	<1000	<200	<200	<200	<250	<250
Cyclohexane												
Dibromochloromethane	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Dichlorodifluoromethane	<200	<200	<200	<200								
Ethylbenzene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
Isopropyl Benzene												
Methyl Ethyl Ketone												
Methylene Chloride	<200	<200	<200	<200	<2000	<2000	<2000	<200	<200	<200	<500	<500
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene												
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Tetrahydrothiophene												
Toluene	<200	<200	<200	<200	<400	<400	<400	<200	<200	<200	<250	<250
Total 1,2-Dichloroethane												
Total Xylenes												
trans-1,2-Dichloroethylene	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
trans-1,3-Dichloropropylene	<200	<200	<200	<200	<1000	<1000	<1000	<200(J)	<200	<200	<250	<250
Trichloroethylene	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<250	<250
Trichlorofluoromethane	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250
Vinyl Acetate												
Vinyl Chloride	<200	<200	<200	<200	<200	<200	<200	<200(J)	<200	<200	<250	<250

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-02 91/04/23 BAC/ORG	G-02 91/11/21 ATI/ORG	G-03 87/01/07 BAC/ORG	G-03 87/01/13 BAC/LD	G-03 87/01/13 BAC/ORG	G-03 87/02/27 BAC/FD	G-03 87/02/27 BAC/LD	G-03 87/02/27 BAC/ORG	G-03 87/04/01 BAC/ORG	G-03 87/11/16 BAC/ORG	G-03 88/01/19 ATI/SPT	G-03 88/01/19 BAC/FD
1,1,1-Trichloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trifluoroethane												
1,1,2-Trichloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<50		<5	<5	<5	<5	<5	<5	<5	<5		<5
1,2-Dichloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<50		<5	<5	<5	<5	<5	<5	<5	<5		<5
1,4-Dichlorobenzene	<50		<5	<5	<5	<5	<5	<5	<5	<5		<5
2-Chloroethylvinyl ether	<50		<5	<5	<5	<5	<5	<5	<5	<5	<50	<5
2-Hexanone		<500									<50	
4-Methyl-2-Pentanone		<500									<50	
Acetone	<500	<1000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acrolein	<1000		<50	<50	<50	<50	<50	<50	<50	<50		<50
Acrylonitrile	<1000		<50	<50	<50	<50	<50	<50	<50	<50		<50
Benzene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bis(chloromethyl)ether			<5	<5	<5	<5	<5	<5	<5	<5		<5
Bromochloromethane												
Bromodichloromethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<50	<250	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromomethane	<50	<500	<5	<5	<5	<5	<5	<5	<5	<5	<50	<5
Carbon Disulfide		<50									<5	
Carbon Tetrachloride	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	7000	6900	310	300	280	300	220	240	290	510	660	780
Chloroethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane	<100	<500	<5	<5	<5	<5	<5	<5	<5	<5	<50	<5
Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5		<5
cis-1,2-Dichloroethene	<50	<50										
cis-1,3-Dichloropropylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Cyclohexane												
Dibromochloromethane	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<5	<5	<5	<5	<5	<5	<5	<5		<5
Ethylbenzene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropyl Benzene												
Methyl Ethyl Ketone		<1000									<50	
Methylene Chloride	<100	<250	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene		<50									<5	
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrahydrothiophene												
Toluene	<50	<100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Total 1,2-Dichloroethane												
Total Xylenes	<250	<50									<5	
trans-1,2-Dichloroethylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane	<50		<5	<5	<5	<5	<5	<5	<5	<5		<5
Vinyl Acetate		<500									<50	
Vinyl Chloride	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 88/01/19 BAC/LD	G-03 88/01/19 BAC/ORG	G-03 88/04/20 BAC/ORG	G-03 88/07/25 ATI/SPT	G-03 88/07/25 BAC/FD	G-03 88/07/25 BAC/ORG	G-03 88/10/13 BAC/ORG	G-03 89/02/08 BAC/ORG	G-03 89/05/18 BAC/FD	G-03 89/05/18 BAC/ORG	G-03 89/10/28 BAC/ORG	G-03 90/04/19 BAC/ORG
1,1,1-Trichloroethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
Trifluoroethane												
1,1,2-Trichloroethane	<5	<5	<25	<5[EH]	<25	<25	<25	<5	<5	<5	<10	<20
1,1-Dichloroethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
1,1-Dichloroethylene	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<5	<5	<5		<5	<5	<5	<5	<5	<5	<10	<20
1,2-Dichloroethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
1,2-Dichloroethylene												
1,2-Dichloropropane	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<5	<5	<5		<5	<5	<5	<5	<5	<5	<10	<20
1,4-Dichlorobenzene	<5	<5	<5		<5	<5	<5	<5	<5	<5	<10	<20
2-Chloroethylvinyl ether	<5	<5	<75	<50[EH]	<75	<75	<75	<5	<5	<5	<10	<20
2-Hexanone				<50[EH]								
4-Methyl-2-Pentanone				<50[EH]								
Acetone	<50	<50	<100	<50[EH]	<50	<50	<100	<50	<50(J)	<50(J)	<100	<200
Acrolein	<50	<50	<125		<130	<130	<130	<100(J)	<100(J)	<100(J)	<200	<400
Acrylonitrile	<50	<50	<50		<50	<50	<50	<100	<100(J)	<100(J)	<200	<400
Benzene	<5	<5	<10	<5[EH]	<10	<10	<10	<5	<5	<5	<10	<20
Bis(chloromethyl)ether	<5	<5										
Bromochloromethane												<20
Bromodichloromethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	
Bromoform	<5	<5	<5	<25[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
Bromomethane	<5	<5	<5	<50[EH]	<5	<5	<5	<5	<5	<5	<10	<20
Carbon Disulfide				<5[EH]								
Carbon Tetrachloride	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
Chlorobenzene	790	800	610	810[EH]	680	650	710	330	350	320	1500	2200
Chloroethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
Chloroform	<5	<5	<5	<5[EH]	<5	<5	5[EB]	<5(J)	<5	<5	<10	<20
Chloromethane	<5	<5	<25	<50[EH]	<25	<25	<25	<10	<10	<10	<20	<40
Dichloropropene	<5	<5										
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<5	<5	<25	<5[EH]	<25	<25	<25	<5	<5	<5	<10	<20
Cyclohexane												
Dibromochloromethane	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
Dichlorodifluoromethane	<5	<5										
Ethylbenzene	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
Isopropyl Benzene												
Methyl Ethyl Ketone				<50[EH]								
Methylene Chloride	<5	<5	<50	<25[EH]	<50	<50	<50	<5(J)	<5(J)	<5(J)	<10	<40
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene				<5[EH]								
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
Tetrahydrothiophene												
Toluene	<5	<5	<10	<5[EH]	<10	<10	<10	<5	<5	<5	<10	<20
Total 1,2-Dichloroethane												
Total Xylenes				<5[EH]								
trans-1,2-Dichloroethylene	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20
trans-1,3-Dichloropropylene	<5	<5	<25	<5[EH]	<25	<25	<25	<5(J)	<5	<5	<10	<20
Trichloroethylene	<5	<5	<5	<5[EH]	<5	<5	<5	<5	<5	<5	<10	<20
Trichlorofluoromethane	<5	<5	<5		<5	<5	<5	<5(J)	<5	<5	<10	<20
Vinyl Acetate				<50[EH]								
Vinyl Chloride	<5	<5	<5	<5[EH]	<5	<5	<5	<5(J)	<5	<5	<10	<20

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-03 92/07/22 ATI/ORG	G-03 93/01/27 ATI/ORG	G-04 89/02/02 BAC/ORG	G-04 89/02/07 BAC/ORG	G-04 89/05/16 BAC/FD	G-04 89/05/16 BAC/ORG	G-04 89/10/25 BAC/ORG	G-04 90/02/24 BAC/ORG	G-04 90/04/18 BAC/ORG	G-04 90/11/28 BAC/ORG	G-04 91/04/25 BAC/ORG	G-04 91/11/21 APPL/SPT
1,1,1-Trichloroethane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,1,2,2-Tetrachloroethane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Trifluoroethane		<50										
1,1,2-Trichloroethane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,1-Dichloroethane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,1-Dichloroethylene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<50	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,2-Dichloroethane	<4	<10	<20	<1(J)	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,2-Dichloroethylene												
1,2-Dichloropropane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<50	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
1,4-Dichlorobenzene		<50	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
2-Chloroethylvinyl ether			<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<100
2-Hexanone	<40	<100										
4-Methyl-2-Pentanone	<40	<100										
Acetone	<40	<100	<200	<10	<200(J)	<200(J)	<1000	<250[E]	<100	<100	<100	<1000
Acrolein			<400(J)	<20(J)	<400(J)	<400(J)	<2000	<500[E]	<200	<200	<200	
Acrylonitrile			<400	<20	<400(J)	<400(J)	<2000	<500[E]	<200	<200	<200	
Benzene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Bis(chloromethyl)ether												
Bromochloromethane								<25[E]	<10			
Bromodichloromethane	<4	<10	<20	<1	<20	<20	<100			<10	<10	<50
Bromoform	<20	<50	<20(J)	<1	<20(J)	<20(J)	<100	<25[E]	<10	<10	<10	<50
Bromomethane	<40	<100	<20(J)	<1	<20	<20	<100	<25[E]	<10	<10	<10	<100
Carbon Disulfide	<4	<10										
Carbon Tetrachloride	<4	<10	<20(J)	<1(J)	<20	<20	<100	<25[E]	<10	<10	<10	<50
Chlorobenzene	490	1100	1500	9	1800	1600	1800	1600[E]	2000	1300	1500	1300
Chloroethane	<20	<50	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<100
Chloroform	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Chloromethane	<40	<100	<40(J)	<2(J)	<40	<40	<200	<50[E]	<20	<20	<20	<100
Dichloropropene												
cis-1,2-Dichloroethene	<4	<10									<10	<50
cis-1,3-Dichloropropylene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Cyclohexane												
Dibromochloromethane	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Dichlorodifluoromethane		<100										
Ethylbenzene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Isopropyl Benzene												
Methyl Ethyl Ketone	<40	<100										
Methylene Chloride	<20	<50	48(J)[EB]	<1	<20(J)	<20(J)	<100	<25[E]	<20	<20	<20	59
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<4	<10										
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<4	<10	<20(J)	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Tetrahydrothiophene												
Toluene	<8	<20	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Total 1,2-Dichloroethene												
Total Xylenes	<4	<20									<50	<50
trans-1,2-Dichloroethylene	<4	<10	<20(J)	<1(J)	<20	<20	<100	<25[E]	<10	<10	<10	<50
trans-1,3-Dichloropropylene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Trichloroethylene	<4	<10	<20	<1	<20	<20	<100	<25[E]	<10	<10	<10	<50
Trichlorofluoromethane		<50	<20(J)	<1(J)	<20	<20	<100	<25[E]	<10	20	<10	<100
Vinyl Acetate												
Vinyl Chloride	<20	<50	<20(J)	<1(J)	<20	<20	<100	<25[E]	<10	<10	<10	<50

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-04 91/11/21 ATI/FD	G-04 91/11/21 ATI/ORG	G-05 89/02/01 BAC/ORG	G-05 89/02/08 ATI/SPT	G-05 89/02/08 BAC/FD	G-05 89/02/08 BAC/ORG	G-05 89/05/17 BAC/ORG	G-05 89/10/25 BAC/ORG	G-05 90/02/24 BAC/ORG	G-05 90/04/21 ATI/SPT	G-05 90/04/21 BAC/FD	G-05 90/04/21 BAC/ORG
1,1,1-Trichloroethane	<10	<10	<100	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
1,1,2,2-Tetrachloroethane	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Trifluoroethane												
1,1,2-Trichloroethane	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
1,1-Dichloroethane	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
1,1-Dichloroethylene	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene			<100		<100	<250	<100	<50	<250		<250	<250
1,2-Dichloroethane	<10	<10	<100	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene			<100		<100	<250	<100	<50	<250		<250	<250
1,4-Dichlorobenzene			<100		<100	<250	<100	<50	<250		<250	<250
2-Chloroethylvinyl ether			<100	<1000	<100	<250	<100	<50	<250	<71	<250	<250
2-Hexanone	<100	<100		<1000(J)						<710		
4-Methyl-2-Pentanone	<100	<100		<1000						<710		
Acetone	<200	<200	<1000	<1000(J)	<1000	<2500	<1000	<500	<2500	<710	<2500	<2500
Acrolein			<2000(J)		<2000(J)	<5000(J)	<2000	<1000	<5000		<5000	<5000
Acrylonitrile			<2000		<2000	<5000	<2000	<1000	<5000		<5000	<5000
Benzene	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Bis(chloromethyl)ether												
Bromochloromethane									<250		<250	<250
Bromodichloromethane	<10	<10	<100	<100	<100(J)	<250(J)	<100	<50		<71		
Bromoform	<50	<50	<100	<500	<100(J)	<250(J)	<100	<50	<250	<355	<250	<250
Bromomethane	<100	<100	<100	<1000	<100	<250	<100	<50	<250	<710	<250	<250
Carbon Disulfide	<10	<10		<100						<71		
Carbon Tetrachloride	<10	<10	<100(J)	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
Chlorobenzene	1400	1400	19000	17000	18000	14000	22000	1700[ET]	11000[EB]	14000	14000	14000
Chloroethane	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Chloroform	<10	<10	120	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
Chloromethane	<100	<100	<200(J)	<1000	<200	<500	<200	<100	<500	<710	<500	<500
Dichloropropene												
cis-1,2-Dichloroethene	<10	<10										
cis-1,3-Dichloropropylene	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Cyclohexane												
Dibromochloromethane	<10	<10	<100	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
Dichlorodifluoromethane												
Ethylbenzene	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Isopropyl Benzene												
Methyl Ethyl Ketone	<200	<200		<1000(J)						<710		
Methylene Chloride	<50	<50	120(J)	<500	<100(J)	<250	<100	<50	<250	<355	<500	<500
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<10	<10		<100						<71		
T-Butyl Benzene												
TDC Benzene										<355		
Tetrachloroethylene	<10	<10	510	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
Tetrahydrothiophene												
Toluene	<20	<20	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Total 1,2-Dichloroethane												
Total Xylenes	<10	<10		<100						<71		
trans-1,2-Dichloroethylene	<10	<10	<100(J)	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
trans-1,3-Dichloropropylene	<10	<10	<100(J)	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250
Trichloroethylene	<10	<10	<100	<100	<100	<250	<100	<50	<250	<71	<250	<250
Trichlorofluoromethane			<100(J)		<100(J)	<250(J)	<100	<50	<250		<250	<250
Vinyl Acetate	<100	<100		<1000						<710		
Vinyl Chloride	<10	<10	<100(J)	<100	<100(J)	<250(J)	<100	<50	<250	<71	<250	<250

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-06 89/02/01 BAC/ORG	G-06 89/02/09 BAC/ORG	G-06 89/05/16 BAC/ORG	G-06 89/10/24 BAC/ORG	G-06 90/02/24 BAC/ORG	G-06 90/04/18 BAC/ORG	G-07 89/01/30 ATI/SPT	G-07 89/01/30 BAC/FD	G-07 89/01/30 BAC/ORG	G-07 89/02/06 BAC/ORG	G-07 89/02/06 SWL/SEPA	G-07 89/05/17 BAC/FD
1,1,1-Trichloroethane	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1(J)	<1(J)	<5	<1
1,1,2,2-Tetrachloroethane	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
Trifluoroethane												
1,1,2-Trichloroethane	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
1,1-Dichloroethane	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
1,1-Dichloroethylene	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<20	<20	<20	<100	<25[E]	<25		<1	<1	<1	<10	<1
1,2-Dichloroethane	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1(J)	<1(J)	<5	<1
1,2-Dichloroethylene											<5	
1,2-Dichloropropane	<20(J)	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<20	<20	<20	<100	<25[E]	<25		<1	<1	<1		<1
1,4-Dichlorobenzene	<20	<20	<20	<100	<25[E]	<25		<1	<1	<1	<10	<1
2-Chloroethylvinyl ether	<20	<20	<20	<100	<25[E]	<25	<10	<1	<1	<1		<1
2-Hexanone							<10(J)				<10	
4-Methyl-2-Pentanone							<10				<10	
Acetone	<200	<200	<200	<1000	<250[E]	<200	<10(J)	<10(J)	<10(J)	<10(J)	<10	<10(J)
Acrolein	<400(J)	<400(J)	<400	<2000	<500[E]	<500		<20(J)	<20(J)	<20(J)		<20(J)
Acrylonitrile	<400	<400	<400	<2000	<500[E]	<500		<20	<20	<20		<20(J)
Benzene	<20	<20	<20	<100[EP]	<25[E]	<25	<1	<1	<1	<1	<5	<1
Bis(chloromethyl)ether												
Bromochloromethane					<25[E]	<25						
Bromodichloromethane	<20(J)	<20(J)	<20	<100			<1	<1	<1	<1	<5	<1
Bromoform	<20	<20(J)	<20	<100	<25[E]	<25	<5	<1	<1	<1	<5	<1
Bromomethane	<20	<20	<20	<100	<25[E]	<25	<10	<1	<1	<1	<10	<1
Carbon Disulfide							<1				<5	
Carbon Tetrachloride	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1(J)	<1(J)	<1(J)	<5	<1
Chlorobenzene	2100	2100	2300	4600	2200[E]	2400	92	89	87	82	94	88
Chloroethane	<20	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1	<1	<10	<1
Chloroform	<20	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
Chloromethane	<40	<40	<40	<200	<50[E]	<50	<10	<2	<2	<2	<10	<2(J)
Dichloropropene												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropylene	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
Cyclohexane												
Dibromochloromethane	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
Dichlorodifluoromethane												
Ethylbenzene	<20	<20	<20	<100[EP]	<25[E]	<25	<1	<1	<1	<1	<5	<1
Isopropyl Benzene												
Methyl Ethyl Ketone							<10(J)				<10(J)	
Methylene Chloride	29(J)[EB]	<20(J)	<20	<100	<25[E]	<50	<5	<1	<1	<1	<5	2(J)[UB]
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene							<1				<5	
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1	<1	<1(J)	<5	<1
Tetrahydrothiophene												
Toluene	<20(J)	<20	<20	<100	<25[E]	<25	<1	15	2	2	<5	2(J)[UB]
Total 1,2-Dichloroethene												
Total Xylenes							<1				<5	
trans-1,2-Dichloroethylene	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1(J)	<1(J)	<1(J)		<1
trans-1,3-Dichloropropylene	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1(J)	<1(J)	<1(J)	<5	<1
Trichloroethylene	<20	<20	<20	<100	<25[E]	<25	<1	<1	<1	<1	<5	<1
Trichlorofluoromethane	<20(J)	<20(J)	<20	<100	<25[E]	<25		<1(J)	<1(J)	<1(J)		<1
Vinyl Acetate							<10				<10(J)	
Vinyl Chloride	<20(J)	<20(J)	<20	<100	<25[E]	<25	<1	<1(J)	<1(J)	<1(J)	<10	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-07 89/05/17 BAC/ORG	G-07 89/10/24 BAC/ORG	G-07 90/02/23 BAC/ORG	G-07 90/04/18 BAC/ORG	G-07 90/11/30 BAC/ORG	G-07 91/04/24 BAC/ORG	G-07 91/11/20 ATI/ORG	G-07 94/08/15 ATI/ORG	G-08 89/12/20 BAC/ORG	G-08 90/01/10 ATI/SPT	G-08 90/01/10 BAC/FD	G-08 90/01/10 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Trifluoroethane								<5				
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1		<5	<5		<5	<5
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1		<5	<5		<5	<5
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1		<5	<5		<5	<5
2-Chloroethylvinyl ether	<1	<1	<1	<1	<1	<1			<5	<10	<5	<5
2-Hexanone							<10	<10		<10		
4-Methyl-2-Pentanone							<10	<10		<10		
Acetone	<10(J)	<10	<10	<10	<10	<10	<20	<10	<50	<10	<50	<50
Acrolein	<20(J)	<20	<20	<20	<20	<20			<100		<100	<100
Acrylonitrile	<20(J)	<20	<20	<20	<20	<20			<100		<100	<100
Benzene	<1	<1[EP]	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Bis(chloromethyl)ether												
Bromochloromethane			<1	<1								
Bromodichloromethane	<1	<1			<1	<1	<1	<1	<5	<1	<5	<5
Bromoform	<1	<1	<1	<1	<1	<1	<5	<5	<5	<5	<5	<5
Bromomethane	<1	<1	<1	<1	<1	<1	<10	<10	<5	<10	<5	<5
Carbon Disulfide							<1	<2		<1		
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Chlorobenzene	86	71[EP]	86	90	72	63	76	73	120	106	130	110
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Chloromethane	<2(J)	<2	<2	<2	<2	<2	<10	<10	<10	<10	<10	<10
Dichloropropene												
cis-1,2-Dichloroethene							<1	<1				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Dichlorodifluoromethane								<10				
Ethylbenzene	<1	<1[EP]	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Isopropyl Benzene												
Methyl Ethyl Ketone							<20	<10		<10		
Methylene Chloride	3(J)[UB]	<1	<1	<2	<2	<2	<5	<5	<5	<5	<5	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene							<1	<2		<1		
T-Butyl Benzene												
TDC Benzene										<5		
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Tetrahydrothiophene												
Toluene	9(J)[UB]	<1	<1	<1	<1	<1	<2	<2	<5	<1	<5	<5
Total 1,2-Dichloroethene												
Total Xylenes							<1	<1		<1		
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<5
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1		<5	<5		<5	<5
Vinyl Acetate							<10			<10		
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-08 90/02/23 BAC/ORG	G-08 90/04/17 BAC/ORG	G-08 90/08/04 BAC/ORG	G-08 90/12/03 BAC/ORG	G-08 91/04/24 ATI/SPT	G-08 91/04/24 BAC/FD	G-08 91/04/24 BAC/ORG	G-08 91/11/20 ATI/ORG	G-09 89/12/08 BAC/ORG	G-09 89/12/19 BAC/ORG	G-09 90/02/23 BAC/ORG	G-09 90/04/18 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Trifluoroethane												
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<1	<1	<1	<1		<1	<1		<20	<20	<10	<10
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<1	<1	<1	<1		<1	<1		<20	<20	<10	<10
1,4-Dichlorobenzene	<1	<1	<1	<1		<1	<1		<20	<20	<10	<10
2-Chloroethylvinyl ether	<1	<1	<1	<1		<1	<1		<20	<20	<10	<10
2-Hexanone					<10			<10				
4-Methyl-2-Pentanone					<10			<10				
Acetone	<10	<10	<10	<10	<20	<10	<10	<20	<200	<200	<100	<20
Acrolein	<20	<20	<20	<20		<20	<20		<400	<400	<200	<200
Acrylonitrile	<20	<20	<20	<20		<20	<20		<400	<400	<200	<200
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	690	710	1000	1300
Bis(chloromethyl)ether												
Bromochloromethane	<1	<1	<1								<10	<10
Bromodichloromethane				<1	<1	<1	<1	<1	<20	<20		
Bromoform	<1	<1	<1	<1	<5	<1	<1	<5	<20	<20	<10	<10
Bromomethane	<1	<1	<1	<1	<10	<1	<1	<10	<20	<20	<10	<10
Carbon Disulfide					<1			<1				
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Chlorobenzene	110	120	99	88	87	73	73	75	<20	<20	<10	<10
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Chloromethane	<2	<2	<2	<2	<10	<2	<2	<10	<40	<40	<20	<20
Dichloropropene												
cis-1,2-Dichloroethene					<1			<1				
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Dichlorodifluoromethane												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	10	20
Isopropyl Benzene												
Methyl Ethyl Ketone					<20			<20				
Methylene Chloride	<1	<2	<2	<2	<5	<2	<2	<5	<20	<20	<10	<20
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene					<1			<1				
T-Butyl Benzene												
TDC Benzene												
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Tetrahydrothiophene												
Toluene	1	<1	<1	<1	<2	<1	<1	<2	<20	<20	<10	<10
Total 1,2-Dichloroethane												
Total Xylenes					<1			<1				
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10
Trichlorofluoromethane	<1	<1	<1	<1		<1	<1		<20	<20	<10	<10
Vinyl Acetate					<10			<10				
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<20	<20	<10	<10

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-09 90/08/05 ATI/SPT	G-09 90/08/05 BAC/FD	G-09 90/08/05 BAC/ORG	G-09 90/12/01 BAC/ORG	G-09 91/04/24 BAC/ORG	G-09 91/11/20 ATI/ORG	G-09 92/07/21 ATI/ORG	G-09 93/01/27 ATI/FD	G-09 93/01/27 ATI/ORG	G-09 93/01/27 ENCO/SPT	G-10 91/08/09 ATI/ORG	G-10 91/10/10 ATI/ORG
1,1,1-Trichloroethane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
1,1,2,2-Tetrachloroethane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Trifluoroethane								<25	<10			
1,1,2-Trichloroethane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
1,1-Dichloroethane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
1,1-Dichloroethylene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<10	<10	<10	<10			<25	<10			
1,2-Dichloroethane	<1	<10	<10	<10	<10	18	<10	<5	<2	<25	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<10	<10	<10	<10			<25	<10			
1,4-Dichlorobenzene		<10	<10	<10	<10			<25	<10			
2-Chloroethylvinyl ether		<10	<10	<10	<10					<50		
2-Hexanone	<1					<100	<100	<50	<20	<50	<10	<10
4-Methyl-2-Pentanone	<10					<100	<100	<50	<20	<50	<10	<10
Acetone	<10	<100	<100	<100	<100	<200	<100	<50	<20	<50	<20	<20
Acrolein		<200	<200	<200	<200							
Acrylonitrile		<200	<200	<200	<200							
Benzene	370[ET]	1000	1000	1100	1200	940	970	360	380	400	<1	<1
Bis(chloromethyl)ether												
Bromochloromethane		<10	<10									
Bromodichloromethane	<1			<10	<10	<10	<10	<5	<2	<25	2	<1
Bromoform	<5	<10	<10	<10	<10	<50	<50	<25	<10	<25	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<100	<100	<50	<20	<50	<10	<10
Carbon Disulfide	<1					<10	<10	<5	<2	<25	<1	<1
Carbon Tetrachloride	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Chlorobenzene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	17	16
Chloroethane	<1	<10	<10	<10	<10	<10	<50	<25	<10	<50	<1	<1
Chloroform	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Chloromethane	<10	<20	<20	<20	<20	<100	<100	<50	<20	<50	<10	<10
Dichloropropene												
cis-1,2-Dichloroethene						<10	<10	<5	<2		<1	<1
cis-1,3-Dichloropropylene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Cyclohexane												
Dibromochloromethane	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	1	<1
Dichlorodifluoromethane								<50	<20			
Ethylbenzene	21	20	20	20	20	30	46	42	47	49	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone	<10					<200	<100	<50	<20	<50	<20	<20
Methylene Chloride	<5	<20	<20	<20	<20	<50	<50	<25	<10	<25	<5	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<1					<10	<10	<5	<2	<25	<1	<1
T-Butyl Benzene												
TDC Benzene	<5											
Tetrachloroethylene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Tetrahydrothiophene	6											
Toluene	<1	<10	<10	<10	<10	<20	<20	<10	<4	<25	<2	<2
Total 1,2-Dichloroethene										<25		
Total Xylenes	<1					<10	<10	<10	<4	<25	<1	<1
trans-1,2-Dichloroethylene	<1	<10	<10	<10	<10	<10	<10	<5	<2		<1	<1
trans-1,3-Dichloropropylene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Trichloroethylene	<1	<10	<10	<10	<10	<10	<10	<5	<2	<25	<1	<1
Trichlorofluoromethane		<10	<10	<10	<10			<25	<10	<25		
Vinyl Acetate	<10					<100				<50	<10	<10
Vinyl Chloride	<1	<10	<10	<10	<10	<10	<50	<25	<10	<50	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-10 95/11/30 BAC/ORG	G-11 89/11/06 BAC/ORG	G-11 89/11/16 BAC/ORG	G-11 90/02/23 ATI/SPT	G-11 90/02/23 BAC/FD	G-11 90/02/23 BAC/ORG	G-11 90/04/19 BAC/ORG	G-11 90/08/06 BAC/ORG	G-12 89/10/27 ATI/SPT	G-12 89/10/27 BAC/FD	G-12 89/10/27 BAC/ORG	G-12 89/11/15 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,1,2,2-Tetrachloroethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Trifluoroethane	<2											
1,1,2-Trichloroethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,1-Dichloroethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,1-Dichloroethylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,2,4-Trimethyl Benzene	<1											
1,2-Dichlorobenzene	<1	<1	<1[E/EH]		<1	<1	<1	<1		<50	<10	<50
1,2-Dichloroethane	<0.5	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
1,3,5-Trimethyl Benzene	<1											
1,3-Dichlorobenzene	<1	<1	<1[E/EH]		<1	<1	<1	<1		<50	<10	<50
1,4-Dichlorobenzene	<1	<1	<1[E/EH]		<1	<1	<1	<1		<50	<10	<50
2-Chloroethylvinyl ether	<5	<1	<1[E/EH]	<10	<1	<1	<1	<1	<30	<50	<10	<50
2-Hexanone	<5			<10					<30			
4-Methyl-2-Pentanone	<5			<10					<30			
Acetone	<20	<10	<10[E/EH]	<10	<10	<10	<10	<10	<30	<500	<100	<500
Acrolein		<20	<20[E/EH]		<20	<20	<20	<20		<1000	<200	<1000
Acrylonitrile	<50	<20	<20[E/EH]		<20	<20	<20	<20		<1000	<200	<1000
Benzene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	19	<50	23	<50
Bis(chloromethyl)ether												
Bromochloromethane					<1	<1	<1	<1				
Bromodichloromethane	<1	<1	<1[E/EH]	<1					<3	<50	<10	<50
Bromoform	<1	<1	<1[E/EH]	<5	<1	<1	<1	<1	<15	<50	<10	<50
Bromomethane	<1	<1	<1[E/EH]	<10	<1	<1	<1	<1	<30	<50	<10	<50
Carbon Disulfide	<2			<1					<3			
Carbon Tetrachloride	<0.5	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Chlorobenzene	79	<1	<1[E/EH]	<1	<1	<1	<1	4	1100	1200	1100	750
Chloroethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Chloroform	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Chloromethane	<1	<2	<2[E/EH]	<10	<2	<2	<2	<2	<30	<100	<20	<100
Dichloropropane												
cis-1,2-Dichloroethene	<1											
cis-1,3-Dichloropropylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Cyclohexane	<5											
Dibromochloromethane	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Dichlorodifluoromethane	<5											
Ethylbenzene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Isopropyl Benzene	<1											
Methyl Ethyl Ketone	<5			<10					<30			
Methylene Chloride	<2	<1	<1[E/EH]	<5	<1	<1	<2	<2	<15	<50	<10	<50
n-Propylbenzene	<1											
Naphthalene	<2											
Propylbenzene	<1											
S-Butyl Benzene	<1											
Styrene	<1			<1					<3			
T-Butyl Benzene	<1											
TDC Benzene				<5					<15			
Tetrachloroethylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Tetrahydrothiophene												
Toluene	<1	22[EB]	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Total 1,2-Dichloroethene												
Total Xylenes	<3			<1					<3			
trans-1,2-Dichloroethylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
trans-1,3-Dichloropropylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Trichloroethylene	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50
Trichlorofluoromethane	<1	<1	<1[E/EH]		<1	<1	<1	<1		<50	<10	<50
Vinyl Acetate	<10			<10					<30			
Vinyl Chloride	<1	<1	<1[E/EH]	<1	<1	<1	<1	<1	<3	<50	<10	<50

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-12 90/02/23 BAC/ORG	G-12 90/04/19 BAC/ORG	G-12 90/08/04 BAC/ORG	G-13 89/10/26 BAC/ORG	G-13 89/11/15 ATI/SPT	G-13 89/11/15 BAC/FD	G-13 89/11/15 BAC/ORG	G-13 90/02/23 BAC/ORG	G-13 90/04/19 BAC/ORG	G-13 90/08/06 BAC/ORG	G-13 90/11/30 ATI/SPT	G-13 90/11/30 BAC/FD
1,1,1-Trichloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Trifluoroethane												
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,1-Dichloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,1-Dichloroethylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<10	<10	<10	<10		<50	<50	<10	<20	<20		<20
1,2-Dichloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,2-Dichloroethylene												
1,2-Dichloropropane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<10	<10	<10	<10		<50	<50	<10	<20	<20		<20
1,4-Dichlorobenzene	<10	<10	<10	<10		<50	<50	<10	<20	<20		<20
2-Chloroethylvinyl ether	<10	<10	<10	<10	<100	<50	<50	<10	<20	<20		<20
2-Hexanone					<100						<100	
4-Methyl-2-Pentanone					<100						<100	
Acetone	<100	<100	<100	<100	<100	<500	<500	<100	<200	<200	<100	<200
Acrolein	<200	<200	<200	<200		<1000	<1000	<200	<400	<400		<400
Acrylonitrile	<200	<200	<200	<200		<1000	<1000	<200	<400	<400		<400
Benzene	<10	20	10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Bis(chloromethyl)ether												
Bromochloromethane	<10	<10	<10					<10	<20	<20		
Bromodichloromethane				<10	<10	<50	<50				<10	<20
Bromoform	<10	<10	<10	<10	<50	<50	<50	<10	<20	<20	<50	<20
Bromomethane	<10	<10	<10	<10	<100	<50	<50	<10	<20	<20	<100	<20
Carbon Disulfide					<10						<10	
Carbon Tetrachloride	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Chlorobenzene	800	970	1000	1400	1400	1200	1200	1100	1400	1600	1400	1400
Chloroethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Chloroform	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Chloromethane	<20	<20	<20	<20	<100	<100	<100	<20	<40	<40	<100	<40
Dichloropropane												
cis-1,2-Dichloroethene											<10	
cis-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Cyclohexane												
Dibromochloromethane	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Dichlorodifluoromethane												
Ethylbenzene	20	20	20	<10	<10	<50	<50	<10	<20	<20	<10	<20
Isopropyl Benzene												
Methyl Ethyl Ketone					<100						<100	
Methylene Chloride	<10	<20	<20	<10	<50	<50	<50	<10	<40	<40	<50	<40
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene					<10						<10	
T-Butyl Benzene												
TDC Benzene					<50						<50	
Tetrachloroethylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Tetrahydrothiophene												
Toluene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Total 1,2-Dichloroethene												
Total Xylenes					<10						<10	
trans-1,2-Dichloroethylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
trans-1,3-Dichloropropylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Trichloroethylene	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20
Trichlorofluoromethane	<10	<10	<10	<10		<50	<50	<10	<20	<20		20[EB]
Vinyl Acetate					<100						<100	
Vinyl Chloride	<10	<10	<10	<10	<10	<50	<50	<10	<20	<20	<10	<20

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-13 90/11/30 BAC/ORG	G-13 91/04/24 BAC/ORG	G-13 91/11/21 ATI/ORG	G-14 91/09/24 ATI/ORG	G-14 91/10/09 ATI/ORG	G-15 91/08/22 ATI/ORG	G-15 91/10/08 ATI/ORG	G-16 91/06/19 ATI/ORG	G-16 91/10/17 ATI/ORG	G-16 95/11/29 BAC/ORG	G-17 91/07/03 ATI/ORG	G-17 91/10/11 ATI/ORG
1,1,1-Trichloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
1,1,2,2-Tetrachloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Trifluoroethane										<2		
1,1,2-Trichloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
1,1-Dichloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
1,1-Dichloroethylene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
1,2,4-Trimethyl Benzene										<1		
1,2-Dichlorobenzene	<20	<20								<1		
1,2-Dichloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<0.5	<1	<2
1,2-Dichloroethylene												
1,2-Dichloropropane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
1,3,5-Trimethyl Benzene										<1		
1,3-Dichlorobenzene	<20	<20								<1		
1,4-Dichlorobenzene	<20	<20								<1		
2-Chloroethylvinyl ether	<20	<20								<5		
2-Hexanone			<100	<10	<10	<10	<10	<10	<10	<5	<10	<20
4-Methyl-2-Pentanone			<100	<10	<10	<10	<10	<10	<10	<5	<10	<20
Acetone	<200	<200	<200	<20	<20	<20	<20	<20	<20	<20	<20	<40
Acrolein	<400	<400										
Acrylonitrile	<400	<400								<50		
Benzene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	2	2
Bis(chloromethyl)ether												
Bromochloromethane												
Bromodichloromethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Bromoform	<20	<20	<50	<5	<5	<5	<5	<5	<5	<1	<5	<10
Bromomethane	<20	<20	<100	<10	<10	<10	<10	<10	<10	<1	<10	<20
Carbon Disulfide			<10	<1	<1	<1	<1	<1	<1	<2	<1	<2
Carbon Tetrachloride	<20	<20	<10	<1	<1	<1	<1	<1	<1	<0.5	<1	<2
Chlorobenzene	1400	1500	1700	<1	<1	18	19	<1	<1	<1	200	150
Chloroethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Chloroform	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Chloromethane	<40	<40	<100	<10	<10	<10	<10	<10	<10	<1	<10	<20
Dichloropropane												
cis-1,2-Dichloroethene			<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
cis-1,3-Dichloropropylene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Cyclohexane										<5		
Dibromochloromethane	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Dichlorodifluoromethane										<5		
Ethylbenzene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Isopropyl Benzene										<1		
Methyl Ethyl Ketone			<200	<20	<20	<20	<20	<20	<20	<5	<20	<40
Methylene Chloride	40	<40	<50	<5	<5	<5	<5	<5	<5	<2	<5	<10
n-Propylbenzene										<1		
Naphthalene										<2		
Propylbenzene										<1		
S-Butyl Benzene										<1		
Styrene			<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
T-Butyl Benzene										<1		
TDC Benzene												
Tetrachloroethylene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Tetrahydrothiophene												
Toluene	<20	<20	<20	<2	<2	<2	<2	<2	<2	<1	<2	<4
Total 1,2-Dichloroethene												
Total Xylenes			<10	<1	<1	<1	<1	<1	<1	<3	<1	<2
trans-1,2-Dichloroethylene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
trans-1,3-Dichloropropylene	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2
Trichloroethylene	<20	<20	10	25	25	<1	<1	<1	<1	<1	<1	<2
Trichlorofluoromethane	20	<20								<1		
Vinyl Acetate			<100	<10	<10	<10	<10	<10	<10	<10	<10	<20
Vinyl Chloride	<20	<20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-18 91/06/03 ATI/ORG	G-18 91/10/16 ATI/ORG	G-18 95/11/29 BAC/ORG	G-19 91/07/26 ATI/ORG	G-19 91/10/10 APPL/SPT	G-19 91/10/10 ATI/FD	G-19 91/10/10 ATI/ORG	G-19 92/07/23 ATI/FD	G-19 92/07/23 ATI/ORG	G-19 92/07/23 ENCO/SPT	G-19 93/01/28 ATI/ORG	G-19 95/11/29 BAC/FD
1,1,1-Trichloroethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Trifluoroethane			<2								<10	<2
1,1,2-Trichloroethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
1,1-Dichloroethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
1,2,4-Trimethyl Benzene			<1									<1
1,2-Dichlorobenzene			<1		<5						<10	1.3
1,2-Dichloroethane	<1	<1	<0.5	<1	<5	<1	<1	<2	<2	<5	<2	<0.5
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
1,3,5-Trimethyl Benzene			<1									<1
1,3-Dichlorobenzene			<1		<5						<10	<1
1,4-Dichlorobenzene			<1		<5						<10	8.6
2-Chloroethylvinyl ether			<5		<10					<10		<5
2-Hexanone	<10	<10	<5	<10		<10	<10	<20	<20	<10	<20	<5
4-Methyl-2-Pentanone	<10	<10	<5	<10		<10	<10	<20	<20	<10	<20	<5
Acetone	<20	<20	<20	<20	<100	<20	<20	<20	<20	<10	<20	<20
Acrolein												
Acrylonitrile			<50									<50
Benzene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	6.3
Bis(chloromethyl)ether												
Bromochloromethane												
Bromodichloromethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Bromoform	<5	<5	<1	<5	<5	<5	<5	<10	<10	<5	<10	<1
Bromomethane	<10	<10	<1	<10	<10	<10	<10	<20	<20	<10	<20	<1
Carbon Disulfide	<1	<1	3.1	<1		<1	<1	<2	<2	<5	<2	<2
Carbon Tetrachloride	<1	<1	<0.5	<1	<5	<1	<1	<2	<2	<5	<2	<0.5
Chlorobenzene	<1	<1	<1	<1	18	19	23	210	180	220	370	2600
Chloroethane	<1	<1	<1	<1	<10	<1	<1	<10	<10	<10	<10	<1
Chloroform	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Chloromethane	<10	<10	<1	<10	<10	<10	<10	<20	<20	<10	<20	<1
Dichloropropene												
cis-1,2-Dichloroethene	<1	<1	<1	<1		<1	<1	<2	<2		<2	<1
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Cyclohexane			<5									<5
Dibromochloromethane	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Dichlorodifluoromethane			<5								<20	<5
Ethylbenzene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Isopropyl Benzene			<1									<1
Methyl Ethyl Ketone	<20	<20	<5	<20		<20	<20	<20	<20	<10	<20	<5
Methylene Chloride	<5	<5	<2	<5	8.5	<5	<5	<10	<10	<5	<10	<2
n-Propylbenzene			<1									<1
Naphthalene			<2									<2
Propylbenzene			<1									<1
S-Butyl Benzene			<1									<1
Styrene	<1	<1	<1	<1		<1	<1	<2	<2	<5	<2	<1
T-Butyl Benzene			<1									<1
TDC Benzene												
Tetrachloroethylene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Tetrahydrothiophene												
Toluene	<2	<2	<1	<2	<5	<2	<2	<4	<4	<5	<4	<1
Total 1,2-Dichloroethene										<5		
Total Xylenes	<1	<1	<3	<1	<5	<1	<1	<2	<2	<5	<4	<3
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<5	<1	<1	<2	<2		<2	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Trichloroethylene	<1	<1	<1	<1	<5	<1	<1	<2	<2	<5	<2	<1
Trichlorofluoromethane			<1		<10					<5	<10	<1
Vinyl Acetate	<10	<10	<10	<10		<10	<10			<10		<10
Vinyl Chloride	<1	<1	<1	<1	<10	<1	<1	<10	<10	<10	<10	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-19 95/11/29 BAC/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LG-01 87/02/25 BAC/ORG	LG-01 87/03/31 BAC/ORG	LG-01 87/11/17 BAC/ORG	LG-01 88/01/19 BAC/ORG	LG-01 88/04/20 ATI/SPT	LG-01 88/04/20 BAC/FD	LG-01 88/04/20 BAC/LD	LG-01 88/04/20 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trifluoroethane	<2											
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene	<1											
1,2-Dichlorobenzene	1.8	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-Dichloroethane	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene	<1											
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,4-Dichlorobenzene	10	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
2-Chloroethylvinyl ether	<5	<1	<1	<1	<1	<1	<1	<1	<10	<15	<15	<15
2-Hexanone	<5								<10			
4-Methyl-2-Pentanone	<5								<10			
Acetone	<20	<10	<10	<10	<10	<10	<10	<10	<10	<20	<20	<20
Acrolein		<10	<10	<10	<10	<10	<10	<10		<25	<25	<25
Acrylonitrile	<50	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10
Benzene	10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<2
Bis(chloromethyl)ether		<1	<1	<1	<1	<1	<1	<1				
Bromochloromethane												
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
Carbon Disulfide	<2								<1			
Carbon Tetrachloride	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	2600	110	100	92	70[EP]	52	54	49	50	40	38	40
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	4.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<10	<5	<5	<5
Dichloropropene		<1	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	<1											
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
Cyclohexane	<5											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<5	<1	<1	<1	<1	<1	<1	<1				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropyl Benzene	<1											
Methyl Ethyl Ketone	<5								<10			
Methylene Chloride	<2	<1	<1	<1	<1	<1	4[UB]	1[UB]	<5	<10	<10	<10
n-Propylbenzene	<1											
Naphthalene	<2											
Propylbenzene	<1											
S-Butyl Benzene	<1											
Styrene	<1								<1			
T-Butyl Benzene	<1											
TDC Benzene												
Tetrachloroethylene	4.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrahydrothiophene												
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2
Total 1,2-Dichloroethene												
Total Xylenes	<3								<1			
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Vinyl Acetate	<10								<10			
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LG-01 88/07/26 BAC/ORG	LG-01 88/10/13 BAC/ORG	LG-01 89/02/08 BAC/ORG	LG-01 89/05/19 BAC/FD	LG-01 89/05/19 BAC/ORG	LG-01 90/08/03 ATI/SPT	LG-01 90/08/03 BAC/FD	LG-01 90/08/03 BAC/ORG	LG-02 89/02/02 ATI/SPT	LG-02 89/02/02 BAC/FD	LG-02 89/02/02 BAC/ORG	LG-02 89/02/09 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5	<5(J)	<5(J)
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Trifluoroethane												
1,1,2-Trichloroethane	<5	<5	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1		<5	<5	<5
1,2-Dichloroethane	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5	<5(J)	<5
1,2-Dichloroethylene												
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5(J)
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1		<5	<5	<5
1,4-Dichlorobenzene	<1	<1	<1	<1	<1		<1	<1		<5	<5	<5
2-Chloroethylvinyl ether	<15	<15	<1	<1	<1		<1	<1	<20	<5	<5	<5
2-Hexanone						<10			<20(J)			
4-Methyl-2-Pentanone						<10			<20			
Acetone	<10	<20	<10	<10(J)	<10(J)	<10	<10	<10	<20(J)	<50	<50	<50
Acrolein	<25	<25	<20(J)	<20(J)	<20(J)		<20	<20		<100(J)	<100(J)	<100(J)
Acrylonitrile	<10	<10	<20	<20(J)	<20(J)		<20	<20		<100	<100	<100
Benzene	<2	<2	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Bis(chloromethyl)ether												
Bromochloromethane							<1	<1				
Bromodichloromethane	<1	<1	<1(J)	<1	<1	<1			<2	<5	<5(J)	<5
Bromoform	<1	<1	<1(J)	<1	<1	<5	<1	<1	<10	<5(J)	<5(J)	<5(J)
Bromomethane	<1	<1	<1	<1	<1	<10	<1	<1	<20	<5(J)	<5	<5
Carbon Disulfide						<1			<2			
Carbon Tetrachloride	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5(J)	<5(J)	<5(J)
Chlorobenzene	41	40	33	36	36	68	63	70	240	210	250	330
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Chloroform	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5	<5	<5
Chloromethane	<5	<5	<2	<2(J)	<2(J)	<10	<2	<2	<20	<10(J)	<10	<10(J)
Dichloropropene												
cis-1,2-Dichloroethene						<1						
cis-1,3-Dichloropropylene	<5	<5	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Cyclohexane												
Dibromochloromethane	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5	<5(J)	<5
Dichlorodifluoromethane												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Isopropyl Benzene												
Methyl Ethyl Ketone						<10			<20(J)			
Methylene Chloride	<10	<10	<1	4(J)[UB]	4(J)[UB]	<5	<1	<1	<10	<5	<5	<5(J)
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene						<1			<2			
T-Butyl Benzene												
TDC Benzene						<5						
Tetrachloroethylene	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5(J)	<5	<5
Tetrahydrothiophene												
Toluene	8[UB]	<2	<1	2(J)[UB]	2(J)[UB]	<1	<1	<1	<2	<5	<5	<5
Total 1,2-Dichloroethane												
Total Xylenes						<1			<2			
trans-1,2-Dichloroethylene	<1	<1	<1(J)	<1	<1	<1	<1	<1	<2	<5(J)	<5(J)	<5(J)
trans-1,3-Dichloropropylene	<5	<5	<1(J)	<1	<1	<1	<1	<1	<2	<5	<5(J)	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<2	<5	<5	<5
Trichlorofluoromethane	<1	<1	<1(J)	<1	<1		<1	<1		<5(J)	<5(J)	<5(J)
Vinyl Acetate						<10			<20			
Vinyl Chloride	<1	<1	<1(J)	<1(J)	<1(J)	<1	<1	<1	<2	<5(J)	<5(J)	<5(J)

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LG-02 89/05/19 BAC/FD	LG-02 89/05/19 BAC/ORG	LG-02 89/11/17 BAC/ORG	LG-02 90/02/24 BAC/ORG	LG-02 90/04/19 BAC/ORG
1,1,1-Trichloroethane	<5	<5	<5	<5[E]	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5[E]	<5
Trifluoroethane					
1,1,2-Trichloroethane	<5	<5	<5	<5[E]	<5
1,1-Dichloroethane	<5	<5	<5	<5[E]	<5
1,1-Dichloroethylene	<5	<5	<5	<5[E]	<5
1,2,4-Trimethyl Benzene					
1,2-Dichlorobenzene	<5	<5	<5	<5[E]	<5
1,2-Dichloroethane	<5	<5	<5	<5[E]	<5
1,2-Dichloroethylene					
1,2-Dichloropropane	<5	<5	<5	<5[E]	<5
1,3,5-Trimethyl Benzene					
1,3-Dichlorobenzene	<5	<5	<5	<5[E]	<5
1,4-Dichlorobenzene	<5	<5	<5	<5[E]	<5
2-Chloroethylvinyl ether	<5	<5	<5	<5[E]	<5
2-Hexanone					
4-Methyl-2-Pentanone					
Acetone	<50(J)	<50(J)	<50	<50[E]	<50
Acrolein	<100(J)	<100(J)	<100	<100[E]	<100
Acrylonitrile	<100(J)	<100(J)	<100	<100[E]	<100
Benzene	<5	<5	<5	<5[E]	<5
Bis(chloromethyl)ether					
Bromochloromethane				<5[E]	<5
Bromodichloromethane	<5	<5	<5		
Bromoform	<5	<5	<5	<5[E]	<5
Bromomethane	<5	<5	<5	<5[E]	<5
Carbon Disulfide					
Carbon Tetrachloride	<5	<5	<5	<5[E]	<5
Chlorobenzene	250	250	370	180[E]	390
Chloroethane	<5	<5	<5	<5[E]	<5
Chloroform	<5	<5	<5	<5[E]	<5
Chloromethane	<10	<10	<10	<10[E]	<10
Dichloropropene					
cis-1,2-Dichloroethene					
cis-1,3-Dichloropropylene	<5	<5	<5	<5[E]	<5
Cyclohexane					
Dibromochloromethane	<5	<5	<5	<5[E]	<5
Dichlorodifluoromethane					
Ethylbenzene	<5	<5	<5	<5[E]	<5
Isopropyl Benzene					
Methyl Ethyl Ketone					
Methylene Chloride	<5(J)	<5(J)	<5	<5[E]	<10
n-Propylbenzene					
Naphthalene					
Propylbenzene					
S-Butyl Benzene					
Styrene					
T-Butyl Benzene					
TDC Benzene					
Tetrachloroethylene	<5	<5	<5	<5[E]	<5
Tetrahydrothiophene					
Toluene	<5	<5	<5	<5[E]	<5
Total 1,2-Dichloroethene					
Total Xylenes					
trans-1,2-Dichloroethylene	<5(J)	<5(J)	<5	<5[E]	<5
trans-1,3-Dichloropropylene	<5	<5	<5	<5[E]	<5
Trichloroethylene	<5	<5	<5	<5[E]	<5
Trichlorofluoromethane	<5	<5	<5	<5[E]	<5
Vinyl Acetate					
Vinyl Chloride	<5	<5	<5	<5[E]	<5

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 89/10/25 BAC/ORG	LW-01 89/11/17 ATI/SPT	LW-01 89/11/17 BAC/FD	LW-01 89/11/17 BAC/ORG	LW-01 90/02/25 ATI/SPT	LW-01 90/02/25 BAC/FD	LW-01 90/02/25 BAC/ORG	LW-01 90/04/19 ATI/SPT	LW-01 90/04/19 BAC/FD	LW-01 90/04/19 BAC/ORG	LW-01 90/08/04 BAC/ORG	LW-01 90/12/01 ATI/SPT
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trifluoroethane												
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene	<1		<1	<1		<1	<1		<1	<1	<1	
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene	<1		<1	<1		<1	<1		<1	<1	<1	
1,4-Dichlorobenzene	<1		<1	<1		<1	<1		<1	<1	<1	
2-Chloroethylvinyl ether	<1	<10	<1	<1	<10	<1	<1	<1	<1	<1	<1	
2-Hexanone		<10			<10			<10				<10
4-Methyl-2-Pentanone		<10			<10			<10				<10
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrolein	<20		<20	<20		<20	<20		<20	<20	<20	
Acrylonitrile	<20		<20	<20		<20	<20		<20	<20	<20	
Aliphatic Hydrocarbon C10												
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane						<1	<1		<1	<1	<1	
Bromodichloromethane	<1	<1	<1	<1	<1			<1				<1
Bromoform	<1	<5	<1	<1	<5	<1	<1	<5	<1	<1	<1	<5
Bromomethane	<1	<10	<1	<1	<10	<1	<1	<10	<1	<1	<1	<10
Carbon Disulfide		<1			<1			<1				<1
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	1[UB]	<1	1	1	2[EP]	<1[EP]	<1[EP]	13	14	12	52	68
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<2	<10	<2	<2	<10	<2	<2	<10	<2	<2	<2	<10
cis-1,2-Dichloroethene												<1
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane												
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone		<10			<10			<10				<10
Methylene Chloride	<1	<5	<1	<1	<5	<1	<1	<5	<2	<2	<2	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene		<1			<1			<1				<1
T-Butyl Benzene												
TDC Benzene		<5			<5			<5				<5
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
Total 1,2-Dichloroethene												
Total Xylenes		<1			<1			<1				<1
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1		<1	<1		<1	<1	<1	
Vinyl Acetate		<10			<10			<10				<10
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-01 90/12/01 BAC/FD	LW-01 90/12/01 BAC/ORG	LW-01 91/04/23 BAC/ORG	LW-01 91/11/21 ATI/ORG	LW-01 92/07/22 ATI/FD	LW-01 92/07/22 ATI/ORG	LW-01 92/07/22 ENCO/SPT	LW-01 93/01/26 ATI/ORG	LW-01 93/07/23 ATI/ORG	LW-01 95/11/28 ATI/SPT	LW-01 95/11/28 BAC/ORG	LW-02 89/10/26 BAC/ORG
1,1,1-Trichloroethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<2	<1	<1
Trifluoroethane								<25	<5	<5	<2	
1,1,2-Trichloroethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
1,2,4-Trimethyl Benzene											<1	
1,2-Dichlorobenzene	<1	<1	<1					<25	<5	<5	<1	<1
1,2-Dichloroethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<0.5	<1
1,2-Dichloropropane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
1,3,5-Trimethyl Benzene											<1	
1,3-Dichlorobenzene	<1	<1	<1					<25	<5	<5	<1	<1
1,4-Dichlorobenzene	<1	<1	<1					<25	<5	<5	<1	<1
2-Chloroethylvinyl ether	<1	<1	<1				<50				<5	<1
2-Hexanone				<20	<40	<50	<50	<50	<10	<10	<5	
4-Methyl-2-Pentanone				<20	<40	<50	<50	<50	<10	<10	<5	
Acetone	<10	<10	<10	<40	<40	<50	<50	<50	<10	<10	<20	<10
Acrolein	<20	<20	<20									<20
Acrylonitrile	<20	<20	<20								<50	<20
Aliphatic Hydrocarbon C10								100				
Benzene	<1	<1	<1	2	4	<5	<25	6	<1	<1	4.8	<1
Bromochloromethane												
Bromodichloromethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Bromoform	<1	<1	<1	<10	<20	<25	<25	<25	<5	<5	<1	<1
Bromomethane	<1	<1	<1	<20	<40	<50	<50	<50	<10	<10	<1	<1
Carbon Disulfide				<2	<4	<5	<25	<5	<1	<2	<2	
Carbon Tetrachloride	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<0.5	<1
Chlorobenzene	80	70	93	320	510	470	520	510	560	550	530	<1
Chloroethane	<1	<1	<1	<2	<20	<25	<50	<25	<5	<5	<1	<1
Chloroform	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Chloromethane	<2	<2	<2	<20	<40	<50	<50	<50	<10	<10	<1	<2
cis-1,2-Dichloroethene			<1	<2	<4	<5		<5	<1	<1	<1	
cis-1,3-Dichloropropylene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Cyclohexane											<5	
Dibromochloromethane	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Dichlorodifluoromethane								<50	<10	<10	<5	
Ethylbenzene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Isopropyl Benzene											<1	
Methyl Ethyl Ketone				<40	<40	<50	<50	<50	<10	<10	<5	
Methylene Chloride	<2	<2	<2	<10	<20	<25	<25	<25	<5	<5	<2	<1
n-Propylbenzene											<1	
Naphthalene											<2	
Propylbenzene											<1	
S-Butyl Benzene											<1	
Styrene				<2	<4	<5	<25	<5	<1	<1	<1	
T-Butyl Benzene											<1	
TDC Benzene												
Tetrachloroethylene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Toluene	<1	<1	<1	<4	<8	<10	<25	<10	<2	<2	<1	<1
Total 1,2-Dichloroethene							<25					
Total Xylenes			<5	<2	<4	<5	<25	<10	<1	<1	<3	
trans-1,2-Dichloroethylene	<1	<1	<1	<2	<4	<5		<5	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<2	<4	<5	<25	<5	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1				<25	<25	<5	<5	<1	<1
Vinyl Acetate				<20			<50				<10	
Vinyl Chloride	<1	<1	<1	<2	<20	<25	<50	<25	<5	<5	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-02 89/11/16 BAC/ORG	LW-02 90/02/24 BAC/ORG	LW-02 90/04/21 BAC/ORG	LW-02 90/08/05 BAC/ORG	LW-02 90/12/02 ATI/SPT	LW-02 90/12/02 BAC/FD	LW-02 90/12/02 BAC/ORG	LW-02 91/04/24 BAC/ORG	LW-02 91/11/22 APPL/SPT	LW-02 91/11/22 ATI/FD	LW-02 91/11/22 ATI/ORG	LW-02 95/11/28 BAC/ORG
1,1,1-Trichloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Trifluoroethane												<2
1,1,2-Trichloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
1,1-Dichloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
1,1-Dichloroethylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
1,2,4-Trimethyl Benzene												<1
1,2-Dichlorobenzene	<1[E/EH]	<1[E]	<1	<1		<1	<1	<1	<5			<1
1,2-Dichloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<0.5
1,2-Dichloropropane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
1,3,5-Trimethyl Benzene												<1
1,3-Dichlorobenzene	<1[E/EH]	<1[E]	<1	<1		<1	<1	<1	<5			<1
1,4-Dichlorobenzene	<1[E/EH]	<1[E]	<1	<1		<1	<1	<1	<5			<1
2-Chloroethylvinyl ether	<1[E/EH]	<1[E]	<1	<1		<1	<1	<1	<10			<5
2-Hexanone					<10					<10	<10	<5
4-Methyl-2-Pentanone					<10					<10	<10	<5
Acetone	<10[E/EH]	<10[E]	<10	<10	<10	<10	<10	<10	<100	<20	<20	<20
Acrolein	<20[E/EH]	<20[E]	<20	<20		<20	<20	<20				
Acrylonitrile	<20[E/EH]	<20[E]	<20	<20		<20	<20	<20				<50
Aliphatic Hydrocarbon C10												
Benzene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Bromochloromethane		<1[E]	<1	<1								
Bromodichloromethane	<1[E/EH]				<1	<1	<1	<1	<5	<1	<1	<1
Bromoform	<1[E/EH]	<1[E]	<1	<1	<5	<1	<1	<1	<5	<5	<5	<1
Bromomethane	<1[E/EH]	<1[E]	<1	<1	<10	<1	<1	<1	<10	<10	<10	<1
Carbon Disulfide					<1					<1	<1	11
Carbon Tetrachloride	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<0.5
Chlorobenzene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Chloroethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
Chloroform	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Chloromethane	<2[E/EH]	<2[E]	<2	<2	<10	<2	<2	<2	<10	<10	<10	<1
cis-1,2-Dichloroethene					<1				<5	<1	<1	<1
cis-1,3-Dichloropropylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Cyclohexane												<5
Dibromochloromethane	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Dichlorodifluoromethane												<5
Ethylbenzene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Isopropyl Benzene												<1
Methyl Ethyl Ketone					<10					<20	<20	<5
Methylene Chloride	<1[E/EH]	<1[E]	<2	<2	<5	<2	<2	<2	<5	<5	<5	<2
n-Propylbenzene												<1
Naphthalene												<2
Propylbenzene												<1
S-Butyl Benzene												<1
Styrene					<1					<1	<1	<1
T-Butyl Benzene												<1
TDC Benzene					<5							
Tetrachloroethylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Toluene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<2	<2	<1
Total 1,2-Dichloroethane												
Total Xylenes					<1				<5	<1	<1	<3
trans-1,2-Dichloroethylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
trans-1,3-Dichloropropylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Trichloroethylene	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
Trichlorofluoromethane	<1[E/EH]	<1[E]	<1	<1		<1	<1	<1	<10			<1
Vinyl Acetate					<10					<10	<10	<10
Vinyl Chloride	<1[E/EH]	<1[E]	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-03 89/12/08 ATI/SPT	LW-03 89/12/08 BAC/FD	LW-03 89/12/08 BAC/ORG	LW-03 89/12/20 BAC/ORG	LW-03 90/02/23 BAC/ORG	LW-03 90/04/20 BAC/ORG	LW-03 90/08/05 BAC/ORG	LW-04 91/09/10 ATI/ORG	LW-04 91/10/11 ATI/ORG	LW-04 92/07/23 ATI/ORG	LW-04 93/01/26 ATI/ORG	LW-05 91/09/25 ATI/ORG
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trifluoroethane											<5	
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethyl Benzene												
1,2-Dichlorobenzene		<1	<1	<1	<1	<1	<1				<5	
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethyl Benzene												
1,3-Dichlorobenzene		<1	<1	<1	<1	<1	<1				<5	
1,4-Dichlorobenzene		<1	<1	<1	<1	<1	<1				<5	
2-Chloroethylvinyl ether	<10	<1	<1	<1	<1	<1	<1					
2-Hexanone	<10							<10	<10	<10	<10	<10
4-Methyl-2-Pentanone	<10							<10	<10	<10	<10	<10
Acetone	<10	<10	<10	<10	<10	<10	<10	<20	<20	<10	<10	<20
Acrolein		<20	<20	<20	<20	<20	<20					
Acrylonitrile		<20	<20	<20	<20	<20	<20					
Aliphatic Hydrocarbon C10												
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane					<1	<1	<1					
Bromodichloromethane	<1	<1	<1	<1				<1	<1	<1	<1	<1
Bromoform	<5	<1	<1	<1	<1	<1	<1	<5	<5	<5	<5	<5
Bromomethane	<10	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10
Carbon Disulfide	<1							<1	<1	<1	<1	<1
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2
Chloromethane	<10	<2	<2	<2	<2	<2	<2	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene								<1	<1	<1	<1	<1
cis-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyclohexane												
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane											<10	
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropyl Benzene												
Methyl Ethyl Ketone	<10							<20	<20	<10	<10	<20
Methylene Chloride	<5	<1	<1	<1	<1	<2	<2	<5	<5	<5	<5	<5
n-Propylbenzene												
Naphthalene												
Propylbenzene												
S-Butyl Benzene												
Styrene	<1							<1	<1	<1	<1	<1
T-Butyl Benzene												
TDC Benzene	<5											
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<2
Total 1,2-Dichloroethene												
Total Xylenes	<1							<1	<1	<1	<2	<1
trans-1,2-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1				<5	
Vinyl Acetate	<10							<10	<10			<10
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-05 91/10/09 ATI/ORG	LW-06 91/09/26 ATI/ORG	LW-06 91/10/08 APPL/SPT	LW-06 91/10/08 ATI/FD	LW-06 91/10/08 ATI/ORG	LW-07 91/09/25 ATI/ORG	LW-07 91/10/17 ATI/ORG
1,1,1-Trichloroethane	<1	<1	<5	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<5	<1	<1	<1	<1
Trifluoroethane							
1,1,2-Trichloroethane	<1	<1	<5	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<5	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<5	<1	<1	<1	<1
1,2,4-Trimethyl Benzene							
1,2-Dichlorobenzene			<5				
1,2-Dichloroethane	<1	<1	<5	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<5	<1	<1	<1	<1
1,3,5-Trimethyl Benzene							
1,3-Dichlorobenzene			<5				
1,4-Dichlorobenzene			<5				
2-Chloroethylvinyl ether			<10				
2-Hexanone	<10	<10		<10	<10	<10	<10
4-Methyl-2-Pentanone	<10	<10		<10	<10	<10	<10
Acetone	<20	<20	360	<20	<20	<20	<20
Acrolein							
Acrylonitrile							
Aliphatic Hydrocarbon C10							
Benzene	<1	<1	<5	<1	<1	<1	<1
Bromochloromethane							
Bromodichloromethane	<1	<1	<5	<1	<1	<1	<1
Bromoform	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<10	<10
Carbon Disulfide	<1	<1		<1	<1	<1	<1
Carbon Tetrachloride	<1	<1	<5	<1	<1	<1	<1
Chlorobenzene	<1	<1	<5	<1	<1	<1	<1
Chloroethane	<1	<1	<10	<1	<1	<1	<1
Chloroform	2[UB]	<1	<5	<1	<1	2	1[UB]
Chloromethane	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene	<1	<1		<1	<1	<1	<1
cis-1,3-Dichloropropylene	<1	<1	<5	<1	<1	<1	<1
Cyclohexane							
Dibromochloromethane	<1	<1	<5	<1	<1	<1	<1
Dichlorodifluoromethane							
Ethylbenzene	<1	<1	<5	<1	<1	<1	<1
Isopropyl Benzene							
Methyl Ethyl Ketone	<20	<20		<20	<20	<20	<20
Methylene Chloride	<5	<5	42[EB]	<5	<5	<5	<5
n-Propylbenzene							
Naphthalene							
Propylbenzene							
S-Butyl Benzene							
Styrene	<1	<1		<1	<1	<1	<1
T-Butyl Benzene							
TDC Benzene							
Tetrachloroethylene	<1	<1	<5	<1	<1	<1	<1
Toluene	<2	<2	<5	<2	<2	<2	<2
Total 1,2-Dichloroethene							
Total Xylenes	<1	<1	<5	<1	<1	<1	<1
trans-1,2-Dichloroethylene	<1	<1	<5	<1	<1	<1	<1
trans-1,3-Dichloropropylene	<1	<1	<5	<1	<1	<1	<1
Trichloroethylene	<1	<1	<5	<1	<1	<1	<1
Trichlorofluoromethane			<10				
Vinyl Acetate	<10	<10		<10	<10	<10	<10
Vinyl Chloride	<1	<1	<10	<1	<1	<1	<1

NOTE: See last page of this table for footnotes.

TABLE G.2
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for volatile organic compounds using EPA Methods 8010, 8240, 8240, or 8260.
Sample heading provides the following information: Well Identifier, Sample Date, and Analytical Laboratory/Quality Assurance Code.

< = Less than; numerical value is the limit of detection for this analysis.

APPL = Agricultural and Priority Pollutant Laboratories
ATI = Analytical Tech. Inc.
BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton
SWL = SWOK Tulsa

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
LD = Lab Duplicate
ORG = Original Sample
SEPA = Split samples analyzed by EPA
SPT = Split Sample

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity, QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EB] = Estimated quantity due to blank contamination.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.
[UB] = Data unusable due to blank contamination.
[UT] = Data unusable due to data trending problems; no QC problem identified.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/05/02 BAC/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/DEPA	MW-02 85/05/02 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP
1,1-Sulfonylbis(4-Chlorobenzene)											
1,2,4-Trichlorobenzene	11	31		83		68	45	65	<10	<30	<2000
1,2-Dichlorobenzene	<10	13		30		33	19	25	<10	<30	<2000
1,2-Diphenylhydrazine	<10	<10					<10		<10	<30	
1,3,5-Trimethyl Benzene				24		20					
1,3-Dichlorobenzene	<10	<10		<20		<20	<10	10(J)	<10	<30	<2000
1,4-Dichlorobenzene	16	38		120		130	80	91	17	67	<2000
1-Ethyl-2-Methyl Benzenze				46		38					
1-Ethyl-4-Methyl Benzene				36		31					
2,4'-DDD											72000
2,4'-DDT											
2,4,5-Trichlorophenol	<10	<10		<100		<100	<10	<50	<10	<30	<200000
2,4,6-Trichlorophenol	<10	<10		<20		<20	<10	<10	<10	<30	<40000
2,4-Dichlorophenol	<10	<10		<20		<20	<10	<10	10	<30	<40000
2,4-Dimethylphenol	<10	<10		<20		<20	<10	<10	<10	<30	<40000
2,4-Dinitrophenol	<25	<25		<100		<100	<25	<50	<25	<75	<200000
2,4-Dinitrotoluene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
2,6-Dinitrotoluene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
2-Chloro-Benzaldehyde											3000
2-Chloronaphthalene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
2-Chlorophenol	31	<10		7.8(J)		10(J)	<10	10(J)	30	37	<40000
2-Methyl-2-Cyclopenten-1-one				25		22					
2-Methylnaphthalene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
2-Methylphenol	<10	<10		<20		<20	<10	<10	<10	<30	<40000
2-Nitroaniline	<10	<10		<100		<100	<10	<50	<10	<30	<10000
2-Nitrophenol	<10	<10		<20		<20	<10	<10	<10	<30	<40000
3,3'-Dichlorobenzidine	<10	<10		<20		<20	<10	<20(R)	<10	<30	<2000
3,4-Benzofluoranthene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
3-Nitroaniline	<10	<10		<100		<100	<10	<50	<10	<30	<10000
4,4'-DDT											160000
4,6-Dinitro-2-methylphenol	<50	<50		<100		<100	<50	<50	<50	<150	<200000
4-Bromophenyl phenyl ether	<10	<10		<20		<20	<10	<10	<10	<30	<2000
4-Chloro-Benzaldehyde											940
4-Chloro-Benzoic Acid											
4-Chloroaniline	<10	<10		<20		<20	<10	<10	<10	<30	<2000
4-Chlorophenyl phenyl ether	<10	<10		<20		<20	<10	<10	<10	<30	<2000
4-Methylphenol	<10	<10		<20		<20	<10	<10	<10	<75	<40000
4-Nitroaniline	<10	<10		<100		<100	<10	<50	<10	<30	<10000
4-Nitrophenol	<25	<25		<100		<100	<25	<50	<25	<30	<200000
5-Methyl-2-Hexanone				30		25					
A C6 Ether											
A Propanoate Derivative		30									
Acenaphthene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Acenaphthylene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
alpha-BHC	20	30					70				
An Acid											
Aniline	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Anthracene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzene Methanol Isomer											
Benzidine	<40	<40		<100		<100	<40	<80(R)	<40	<120	<10000
Benzo(a)anthracene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzo(a)pyrene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzo(b)fluoranthene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzo(ghi)perylene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzo(k)fluoranthene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Benzoic Acid	<10	<10		<100		<100	<10	<50	<10	<30	<200000
Benzyl Alcohol	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Biphenyl		30		22							
Bis(2-chloroethoxy)methane	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Bis(2-chloroethyl) ether	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Bis(2-chloroisopropyl) ether	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Bis(2-chloroisopropyl)ether											
Bis(2-ethylhexyl) phthalate	<10	40		<20		<20	<10	<10	<10	<30	<2000
Branched Benzene											
Butyl benzyl phthalate	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Butyl Carbitol											
C6-C8 Aromatic Matrix							2000				
Chlorinated Aromatic									100	200	
Chlorinated Compound											
Chlorobenzaldehyde Isomers									100	600	

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-01 85/05/02 BAC/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 HZL/DEPA	MW-01 85/07/01 HZL/DSEP	MW-01 85/07/01 HZL/OEPA	MW-01 85/07/01 HZL/SEPA	MW-01 85/08/13 BAC/ORG	MW-01 85/08/13 CAL/OEPA	MW-02 85/05/02 BAC/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 HZL/DSEP
Chlorobenzamide									400		
Chlorobenzene				6200		4200					280000
Chlorobenzoic Acid Isomers									1000	1000	
Chlorobenzyl Acetate									100		
Chlorobenzyl Alcohol											
Chrysene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Cyclic Hydrocarbon											
Cyclohexane	400										
Cyclopentane	600										
DDT and Metabolites											
delta-BHC						31					
Di-n-butyl phthalate	<50	<50		<20		<20	<50	10(J)	<50	<150	<2000
Di-n-octyl phthalate	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Dibenzo(a,h)anthracene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Dibenzofuran	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Diethyl phthalate	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Diethylbenzene											
Dimethylbenzene											
Dimethylphthalate	<25	<25		<20		<20	<25	<10	<25	<75	<2000
Diphenyl Ether	30			76		74	40				
Diphenyl Sulfone	50	50		88		66	80				
Eptam											
Ethylbenzene				52		44					
Ethylmethylbenzene Isomers											
Ethylphenylethanone Isomer											
Fenticlor											
Fluoranthene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Fluorene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Hexachlorobenzene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Hexachlorobutadiene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Hexachlorocyclopentadiene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Hexachloroethane	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Hexahydroazepinone		30				83					
Indeno(1,2,3-cd) pyrene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Isobutane	400										
Isophorone	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Isopropyl Benzene				14		14					
Methyl Chlorobenzoate										50	
Methylcyclopentane	800										
N-Nitrosdi-n-propylamine	<40	<40		<20		<20	<40	<10	<40	<120	<2000
N-Nitrosdimethylamine	<80	<80		<20		<20	<80		<80	<240	<2000
N-Nitrosdiphenylamine	<10	<10		<20		<20	<10	<10	<10	<30	<2000
n-Propylbenzene				14		13					
Naphthalene	<10	10		12(J)		12(J)	11	14(J)	<10	<30	<2000
Nitrobenzene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
o-Xylene/Ortho Xylene											
p-Chloro-m-cresol	<10	<10		<20		<20	<10	<10	<10	<30	<40000
p-Xylene				140		120					
Para-Chlorobenzene Sulfonic Acid			62000		63000						
Pentachlorophenol	<10	<10		<100		<100	<10	<50	<10	<30	<200000
Pentane	400										
Phenanthrene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Phenol	17	<10		<20		<20	<10	10(J)	<10	<30	<40000
Propylbenzene				14		13					
Pyrene	<10	<10		<20		<20	<10	<10	<10	<30	<2000
Sulphenone		70		230		400	200				
Tetrachloroethylene				610		480					
Toluene				22							
Total C6-C15 Chlorinated Matrix											
Total Xylenes	60										
Trichloroethanol	50	50									
Trimethylbenzene											
Trimethylbenzene Isomer											
Unknown (as appropriate w/method)	200			56		52					45000
Unknown Hydrocarbon											

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-03 85/04/27 BAC/ORG	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-03 90/11/28 BAC/ORG	MW-04 85/05/02 BAC/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/07/02 HZL/SEPA
1,1-Sulfonylbis(4-Chlorobenzene)								10			
1,2,4-Trichlorobenzene	<1000	<10	24	<10	<10	<10	<10[E]	<10	<10	<20	
1,2-Dichlorobenzene	<1000	10	99	<10	<10	<10	<10[E]	<10	<10	<20	
1,2-Diphenylhydrazine		<10		<10	<10		<10[E]	<10	<10		
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<1000	<10	10	<10	<10	<10	<10[E]	<10	<10	<20	
1,4-Dichlorobenzene	300(J)	58	630	<10	<10	<10	<10[E]	<10	<10	<20	
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2,4'-DDD	3200										
2,4'-DDT	7100										
2,4,5-Trichlorophenol	<50000	<10	<50	<10	<10	<50	<10[E]	<10	<10	<100	
2,4,6-Trichlorophenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2,4-Dichlorophenol	<10000	10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2,4-Dimethylphenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2,4-Dinitrophenol	<50000	<25	<50(R)	<25	<25	<50	<25[E]	<25	<25	<100	
2,4-Dinitrotoluene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2,6-Dinitrotoluene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2-Chloro-Benzaldehyde	240										
2-Chloronaphthalene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2-Chlorophenol	<10000	43	14	<10	<10	<10	<10[E]	<10	<10	<20	
2-Methyl-2-Cyclopenten-1-one											
2-Methylnaphthalene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2-Methylphenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
2-Nitroaniline	<5000	<10	<50	<10	<10	<50	<50[E]	<10	<10	<100	
2-Nitrophenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
3,3'-Dichlorobenzidine	<1000	<10	<20(R)	<10	<10	<20(R)	<10[E]	<10	<10	<20	
3,4-Benzofluoranthene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
3-Nitroaniline	<5000	<10	<50	<10	<10	<50	<50[E]	<10	<10	<100	
4,4'-DDT											
4,6-Dinitro-2-methylphenol	<50000	<50	<50(R)	<50	<50	<50	<50[E]	<50	<50	<100	
4-Bromophenyl phenyl ether	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
4-Chloro-Benzaldehyde	100										
4-Chloro-Benzoic Acid	50000										
4-Chloroaniline	<1000	<10	<10	<10	<10	<10	<20[E]	<10	<10	<20	
4-Chlorophenyl phenyl ether	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
4-Methylphenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<25	<20	
4-Nitroaniline	<5000	<10	<50	<10	<10	<50	<50[E]	<10	<10	<100	
4-Nitrophenol	<50000	<25	<50(R)	<25	<25	<50	<25[E]	<25	<10	<100	
5-Methyl-2-Hexanone											34
A C6 Ether				10							
A Propanoate Derivative											
Acenaphthene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Acenaphthylene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
alpha-BHC											
An Acid											
Aniline	<1000	<10	<10	<10	<10	<10	<20[E]	<10	<10	<20	
Anthracene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzene Methanol Isomer											
Benzidine	<5000	<40	<80(R)	<40	<40	<80(R)	<40[E]	<40	<40	<100	
Benzo(a)anthracene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzo(a)pyrene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzo(b)fluoranthene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzo(ghi)perylene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzo(k)fluoranthene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Benzoic Acid	<50000	<10	110	<10	<10	<50	<50[E]	<10	<10	<100	
Benzyl Alcohol	<1000	<10	<10	<10	<10	<10	<20[E]	<10	<10	<20	
Biphenyl											
Bis(2-chloroethoxy)methane	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Bis(2-chloroethyl) ether	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Bis(2-chloroisopropyl) ether	<1000	<10	<10	<10	<10	<10		<10	<10	<20	
Bis(2-chloroisopropyl)ether							<10[E]				
Bis(2-ethylhexyl) phthalate	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Branched Benzene											
Butyl benzyl phthalate	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Butyl Carbitol				200							
C6-C8 Aromatic Matrix											
Chlorinated Aromatic											
Chlorinated Compound											
Chlorobenzaldehyde Isomers		200							10		

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-02 85/07/02 HZL/SEPA	MW-02 85/08/13 BAC/ORG	MW-02 85/08/13 CAL/SEPA	MW-03 85/04/27 BAC/ORG	MW-03 85/08/13 BAC/ORG	MW-03 85/08/13 CAL/OEPA	MW-03 90/11/28 BAC/ORG	MW-04 85/05/02 BAC/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 HZL/OEPA	MW-04 85/07/02 HZL/SEPA
Chlorobenzamide											
Chlorobenzene	16000										
Chlorobenzoic Acid Isomers		1000							<10		
Chlorobenzyl Acetate											
Chlorobenzyl Alcohol		90									
Chrysene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
DDT and Metabolites		2000									
delta-BHC											
Di-n-butyl phthalate	<1000	<50	<10(J)	<50	<50	10(J)	<50[E]	<50	<50	<20	
Di-n-octyl phthalate	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Dibenzo(a,h)anthracene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Dibenzofuran	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Diethyl phthalate	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Diethylbenzene											
Dimethylbenzene											
Dimethylphthalate	<1000	<25	<10	<25	<25	<10	<25[E]	<25	<25	<20	
Diphenyl Ether											
Diphenyl Sulfone											
Eptam											
Ethylbenzene											
Ethylmethylbenzene Isomers											
Ethylphenylethanone Isomer											
Fenticlor											
Fluoranthene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Fluorene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Hexachlorobenzene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Hexachlorobutadiene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Hexachlorocyclopentadiene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Hexachloroethane	<1000	<10	21	<10	<10	<10	<10[E]	<10	<10	<20	
Hexahydroazepinone				50							
Indeno(1,2,3-cd) pyrene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Isobutane											
Isophorone	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Isopropyl Benzene											
Methyl Chlorobenzoate											
Methylcyclopentane											
N-Nitrosdi-n-propylamine	<1000	<40	<10	<40	<40	<10	<40[E]	<40	<40	<20	
N-Nitrosdimethylamine	<1000	<80		<80	<80		<80[E]	<80	<80	<20	
N-Nitrosdiphenylamine	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
n-Propylbenzene											
Naphthalene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Nitrobenzene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
o-Xylene/Ortho Xylene											8.8
p-Chloro-m-cresol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
p-Xylene											
Para-Chlorobenzene Sulfonic Acid											<5000
Pentachlorophenol	<50000	<10	<50(R)	<10	<10	<50	<10[E]	<10	<10	<100	
Pentane											
Phenanthrene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Phenol	<10000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Propylbenzene											
Pyrene	<1000	<10	<10	<10	<10	<10	<10[E]	<10	<10	<20	
Sulphenone											
Tetrachloroethylene											
Toluene											10
Total C6-C15 Chlorinated Matrix		20000									
Total Xylenes											
Trichloroethanol											
Trimethylbenzene											
Trimethylbenzene Isomer											
Unknown (as appropriate w/method)									10		14
Unknown Hydrocarbon											

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/DEPA	MW-05 85/04/26 BAC/ORG	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-12 90/11/28 BAC/ORG	MW-14 90/12/02 BAC/ORG
1,1-Sulfonylbis(4-Chlorobenzene)											
1,2,4-Trichlorobenzene	<10	<10	10	15	26	35(J)	<10	<10	<10	<50	<10
1,2-Dichlorobenzene	<10	<10	10	36	21(J)	20(J)	<10	<10	<10	<50	<10
1,2-Diphenylhydrazine	<10		<10	<10			<10	<10	<10	<50	<10
1,3,5-Trimethyl Benzene											
1,3-Dichlorobenzene	<10	<10	<10	<10	10	<10	<10	<10	<10	<50	<10
1,4-Dichlorobenzene	<10	<10	27	52	120	120	19	17	<10	<50	<10
1-Ethyl-2-Methyl Benzenze											
1-Ethyl-4-Methyl Benzene											
2,4'-DDD											
2,4'-DDT											
2,4,5-Trichlorophenol	<10	<50	<10	<10	<50	<50	<10	<10	<10	<50	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	24	<50	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2,4-Dinitrophenol	<25	<50	<25	<25	<50	<50	<25	<25	<25	<100	<25
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Chloro-Benzaldehyde											
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Chlorophenol	<10	<10	71	130	110	160	<10(EPEA)	260(EPEA)	10	<50	<10
2-Methyl-2-Cyclopenten-1-one											
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	60
2-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Nitroaniline	<10	<50	<10	<10	<50	<50	<50	<50	<50	<200	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
3,3'-Dichlorobenzidine	<10	<20(R)	<10	<10	<20(R)	<20(R)	<10	<10	<10	<50	<10
3,4-Benzofluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
3-Nitroaniline	<10	<50	<10	<10	<50	<50	<50	<50	<50	<200	<50
4,4'-DDT											
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<200	<50
4-Bromophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Chloro-Benzaldehyde											
4-Chloro-Benzoic Acid											
4-Chloroaniline	<10	<10	<10	<10	<10	<10	<20	<20	<20	<100	<20
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Nitroaniline	<10	<50	<10	<10	<50	<50	<50	<50	<50	<200	<50
4-Nitrophenol	<25	<50	<25	<25	<50	<50	<25	<25	<25	<100	<25
5-Methyl-2-Hexanone											
A C6 Ether											
A Propanoate Derivative											
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
alpha-BHC											
An Acid	10										
Aniline	<10	<10	<10	<10	<10	<10	<20	<20	<20	<100	<20
Anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzene Methanol Isomer											
Benzidine	<40	<80(R)	<40	<40	<80(R)	<80(R)	<40	<40	<40	<200	<40
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzo(ghi)perylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Benzoic Acid	<10	<50	<10	<10	<50	<50	<50	<50	<50	<200	<50
Benzyl Alcohol	<10	<10	<10	<10	<10	<10	<20	<20	<20	<100	<20
Biphenyl											
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Bis(2-chloroethyl) ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Bis(2-chloroisopropyl) ether	<10	<10	<10	<10	<10	<10					
Bis(2-chloroisopropyl)ether							<10	<10	<10	<50	<10
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<10	<10	<10	<10	<10	27(EB)	<50	59(EB)
Branched Benzene											
Butyl benzyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Butyl Carbitol			90								
C6-C8 Aromatic Matrix											
Chlorinated Aromatic											
Chlorinated Compound	10										
Chlorobenzaldehyde Isomers											

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-04 85/08/13 BAC/ORG	MW-04 85/08/13 CAL/OEPA	MW-05 85/04/26 BAC/ORG	MW-05 85/08/13 BAC/ORG	MW-05 85/08/13 CAL/DSEP	MW-05 85/08/13 CAL/SEPA	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-12 90/11/28 BAC/ORG	MW-14 90/12/02 BAC/ORG
Chlorobenzamide											
Chlorobenzene											
Chlorobenzoic Acid Isomers			200	300							
Chlorobenzyl Acetate											
Chlorobenzyl Alcohol											
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Cyclic Hydrocarbon											
Cyclohexane											
Cyclopentane											
DDT and Metabolites											
delta-BHC											
Di-n-butyl phthalate	<50	<10	<50	<50	10(J)	10(J)	<50	<50	<50	<200	<50
Di-n-octyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Diethyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Diethylbenzene											
Dimethylbenzene										2000	800
Dimethylphthalate	<25	<10	<25	<25	<10	<10	<25	<25	<25	<100	<25
Diphenyl Ether											
Diphenyl Sulfone				100							
Epsam			200	100							
Ethylbenzene										500	
Ethylmethylbenzene Isomers										500	200
Ethylphenylethanone Isomer											
Fenticlor			200								
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Hexahydroazepinone											
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Isobutane											
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Isopropyl Benzene											
Methyl Chlorobenzoate											
Methylcyclopentane											
N-Nitrosdi-n-propylamine	<40	<10	<40	<40	<10	<10	<40	<40	<40	<200	<40
N-Nitrosdimethylamine	<80		<80	<80			<80	<80	<80	<40	<80
N-Nitrosdiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
n-Propylbenzene											100
Naphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	260	330
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
o-Xylene/Ortho Xylene											
p-Chloro-m-cresol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
p-Xylene											
Para-Chlorobenzene Sulfonic Acid											
Pentachlorophenol	<10	<50	<10	<10	<50	<50	<10	<10	<10	<50	<10
Pentane											
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Phenol	<10	<10	<10	10	<10	<10	<10	<10	<10	<50	<10
Propylbenzene											100
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
Sulphenone				60							
Tetrachloroethylene											
Toluene											
Total C6-C15 Chlorinated Matrix				6000							
Total Xylenes											
Trichloroethanol			100								
Trimethylbenzene										800	700
Trimethylbenzene Isomer											
Unknown (as appropriate w/method)	10										
Unknown Hydrocarbon											

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-19 90/11/29 BAC/ORG	MW-27 91/10/09 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/17 ATI/ORG
1,1-Sulfonylbis(4-Chlorobenzene)					
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10
1,2-Diphenylhydrazine	<10				
1,3,5-Trimethyl Benzene					
1,3-Dichlorobenzene	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10
1-Ethyl-2-Methyl Benzenze					
1-Ethyl-4-Methyl Benzene					
2,4'-DDD					
2,4'-DDT					
2,4,5-Trichlorophenol	<10	<50	<50	<50	<50
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<25	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10
2-Chloro-Benzaldehyde					
2-Chloronaphthalene	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10
2-Methyl-2-Cyclopenten-1-one					
2-Methylnaphthalene	<10	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<10	<20	<20	<20	<20
3,4-Benzofluoranthene	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50
4,4'-DDT					
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50
4-Bromophenyl phenyl ether	<10	<10	<10	<10	<10
4-Chloro-Benzaldehyde					
4-Chloro-Benzoic Acid					
4-Chloroaniline	<20	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10
4-Methylphenol	<10	<10	<10	<10	<10
4-Nitroaniline	<50	<50	<50	<50	<50
4-Nitrophenol	<25	<50	<50	<50	<50
5-Methyl-2-Hexanone					
A C6 Ether					
A Propanoate Derivative					
Acenaphthene	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10
alpha-BHC					
An Acid					
Aniline	<20	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10
Benzene Methanol Isomer			300		
Benzidine	<40				
Benzo(a)anthracene	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10
Benzo(ghi)perylene	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10
Benzoic Acid	<50	<50	<50	<50	<50
Benzyl Alcohol	<20	<10	<10	<10	<10
Biphenyl					
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether		<10	<10	<10	<10
Bis(2-chloroisopropyl)ether	<10				
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<10	<10
Branched Benzene				40	
Butyl benzyl phthalate	<10	<10	<10	<10	<10
Butyl Cerbitol					
C6-C8 Aromatic Matrix					
Chlorinated Aromatic					
Chlorinated Compound					
Chlorobenzaldehyde Isomers					

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	MW-19 90/11/29 BAC/ORG	MW-27 91/10/09 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/17 ATI/ORG
Chlorobenzamide					
Chlorobenzene					
Chlorobenzoic Acid Isomers					
Chlorobenzyl Acetate					
Chlorobenzyl Alcohol					
Chrysene	<10	<10	<10	<10	<10
Cyclic Hydrocarbon		10			
Cyclohexane					
Cyclopentane					
DDT and Metabolites					
delta-BHC					
Di-n-butyl phthalate	<50	<10	<10	<10	<10
Di-n-octyl phthalate	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<10
Diethylbenzene			200		
Dimethylbenzene					
Dimethylphthalate	<25	<10	<10	<10	<10
Diphenyl Ether					
Diphenyl Sulfone					
Eptam					
Ethylbenzene					
Ethylmethylbenzene Isomers					
Ethylphenylethanone Isomer			70		
Fenticlor					
Fluoranthene	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10
Hexahydroazepinone					
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<10	<10
Isobutane					
Isophorone	<10	<10	<10	<10	<10
Isopropyl Benzene					
Methyl Chlorobenzoate					
Methylcyclopentane					
N-Nitrosdi-n-propylamine	<40	<10	<10	<10	<10
N-Nitrosdimethylamine	<80	<10	<10	<10	<10
N-Nitrosdiphenylamine	<10	<10	<10	<10	<10
n-Propylbenzene					
Naphthalene	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10
o-Xylene/Ortho Xylene					
p-Chloro-m-cresol	<10	<10	<10	<10	<10
p-Xylene					
Para-Chlorobenzene Sulfonic Acid					
Pentachlorophenol	<10	<50	<50	<50	<50
Pentane					
Phenanthrene	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10
Propylbenzene					
Pyrene	<10	<10	<10	<10	<10
Sulphenone					
Tetrachloroethylene					
Toluene					
Total C6-C15 Chlorinated Matrix					
Total Xylenes					
Trichloroethanol					
Trimethylbenzene					
Trimethylbenzene Isomer			300		
Unknown (as appropriate w/method)					
Unknown Hydrocarbon		30		60	

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-04 90/11/29 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-16 90/11/29 BAC/ORG	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG	BF-18 91/10/10 ATI/ORG	BF-19 91/10/09 ATI/ORG	BF-20 91/10/11 ATI/ORG	BF-21 91/10/17 ATI/ORG	BF-22 91/10/16 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/10/10 ATI/ORG
1,2,4-Trichlorobenzene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,2-Dichlorobenzene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,2-Diphenylhydrazine	<10[E]	<10	<10	<10	<10							
1,3-Dichlorobenzene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,4-Dichlorobenzene	59[ET]	<10	<10	<10	<10	<10	<10	<10	18	<20	<10	13
2,4,5-Trichlorophenol	<10[E]	<10	<10	<10	<10	<50	<50	<50	<50	<100	<50	<50
2,4,6-Trichlorophenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dichlorophenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dimethylphenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dinitrophenol	<25[E]	<25	<25	<25	<25	<50	<50	<50	<50	<100	<50	<50
2,4-Dinitrotoluene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,6-Dinitrotoluene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Chloronaphthalene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Chlorophenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Methylnaphthalene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Methylphenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Nitroaniline	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
2-Nitrophenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
3,3'-Dichlorobenzidine	<10[E]	<10	<10	<10	<10	<20	<20	<20	<20	<40	<20	<20
3,4-Benzofluoranthene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
3-Nitroaniline	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
4,6-Dinitro-2-methylphenol	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
4-Bromophenyl phenyl ether	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Chloroaniline	<20[E]	<20	<20	<20	<20	<10	<10	<10	<10	<20	<10	<10
4-Chlorophenyl phenyl ether	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Methylphenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Nitroaniline	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
4-Nitrophenol	<25[E]	<25	<25	<25	<25	<50	<50	<50	<50	<100	<50	<50
Acenaphthene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Acenaphthylene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Aniline	<20[E]	<20	<20	<20	<20	<10	<10	<10	<10	<20	<10	<10
Anthracene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzidine	<40[E]	<40	<40	<40	<40							
Benzo(a)anthracene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzo(a)pyrene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzo(b)fluoranthene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzo(ghi)perylene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzo(k)fluoranthene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzoic Acid	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
Benzyl Alcohol	<20[E]	<20	<20	<20	<20	<10	<10	<10	<10	<20	<10	<10
Bis(2-chloroethoxy)methane	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Bis(2-chloroethyl) ether	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Bis(2-chloroisopropyl) ether						<10	<10	<10	<10	<20	<10	<10
Bis(2-chloroisopropyl)ether	<10[E]	<10	<10	<10	<10							
Bis(2-ethylhexyl) phthalate	25[UB]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Butyl benzyl phthalate	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Chrysene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Di-n-butyl phthalate	<50[E]	<50	<50	<50	<50	<10	<10	<10	<10	<20	<10	<10
Di-n-octyl phthalate	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Dibenzo(a,h)anthracene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Dibenzofuran	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Dichlorochloro Ethenylbenzene												10
Diethyl phthalate	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Dimethylphthalate	<25[E]	<25	<25	<25	<25	<10	<10	<10	<10	<20	<10	<10
Fluoranthene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Fluorene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Fluorenone Isomer												20
Hexachlorobenzene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachlorobutadiene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachlorocyclopentadiene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachloroethane	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Indeno(1,2,3-cd) pyrene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Isophorone	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
N-Nitrosdi-n-propylamine	<40[E]	<40	<40	<40	<40	<10	<10	<10	<10	<20	<10	<10
N-Nitrosdimethylamine	<80[E]	<80	<80	<80	<80	<10	<10	<10	<10	<20	<10	<10
N-Nitrosdiphenylamine	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Naphthalene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Nitrobenzene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
p-Chloro-m-cresol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Pentachlorophenol	<10[E]	<10	<10	<10	<10	<50	<50	<50	<50	<100	<50	<50
Phenanthrene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Phenol	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Polychlorinated Aromatic												
Pyrene	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Unknown Hydrocarbon											20	

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	BF-25 91/10/17 ATI/ORG	BF-26 91/10/17 ATI/ORG	BF-27 91/10/17 ATI/ORG	BF-28 91/10/16 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/10/16 ATI/ORG	BF-31 91/10/16 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-33 91/10/16 ATI/ORG
1,2,4-Trichlorobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
1,2-Dichlorobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
1,2-Diphenylhydrazine									
1,3-Dichlorobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
1,4-Dichlorobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
2,4,5-Trichlorophenol	<50	<50	<50	<100	<50	<100	<100	<100	<100
2,4,6-Trichlorophenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
2,4-Dichlorophenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
2,4-Dimethylphenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
2,4-Dinitrophenol	<50	<50	<50	<100	<50	<100	<100	<100	<100
2,4-Dinitrotoluene	<10	<10	<10	<20	<10	<20	<20	<20	<20
2,6-Dinitrotoluene	<10	<10	<10	<20	<10	<20	<20	<20	<20
2-Chloronaphthalene	<10	<10	<10	<20	<10	<20	<20	<20	<20
2-Chlorophenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
2-Methylnaphthalene	<10	<10	<10	<20	<10	<20	<20	<20	<20
2-Methylphenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
2-Nitroaniline	<50	<50	<50	<100	<50	<100	<100	<100	<100
2-Nitrophenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
3,3'-Dichlorobenzidine	<20	<20	<20	<40	<20	<40	<40	<40	<40
3,4-Benzofluoranthene	<10	<10	<10	<20	<10	<20	<20	<20	<20
3-Nitroaniline	<50	<50	<50	<100	<50	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	<50	<50	<50	<100	<50	<100	<100	<100	<100
4-Bromophenyl phenyl ether	<10	<10	<10	<20	<10	<20	<20	<20	<20
4-Chloroaniline	<10	<10	<10	<20	<10	<20	<20	<20	<20
4-Chlorophenyl phenyl ether	<10	<10	<10	<20	<10	<20	<20	<20	<20
4-Methylphenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
4-Nitroaniline	<50	<50	<50	<100	<50	<100	<100	<100	<100
4-Nitrophenol	<50	<50	<50	<100	<50	<100	<100	<100	<100
Acenaphthene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Acenaphthylene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Aniline	<10	<10	<10	<20	<10	<20	<20	<20	<20
Anthracene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzidine									
Benzo(a)anthracene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzo(a)pyrene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzo(b)fluoranthene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzo(ghi)perylene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzo(k)fluoranthene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Benzoic Acid	<50	<50	<50	<100	<50	<100	<100	<100	<100
Benzyl Alcohol	<10	<10	<10	<20	<10	<20	<20	<20	<20
Bis(2-chloroethoxy)methane	<10	<10	<10	<20	<10	<20	<20	<20	<20
Bis(2-chloroethyl) ether	<10	<10	<10	<20	<10	<20	<20	<20	<20
Bis(2-chloroisopropyl) ether	<10	<10	<10	<20	<10	<20	<20	<20	<20
Bis(2-chloroisopropyl)ether									
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Butyl benzyl phthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Chrysene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Di-n-butyl phthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Di-n-octyl phthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Dibenzo(a,h)anthracene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Dibenzofuran	<10	<10	<10	<20	<10	<20	<20	<20	<20
Dichlorochloro Ethenylbenzene	30								
Diethyl phthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Dimethylphthalate	<10	<10	<10	<20	<10	<20	<20	<20	<20
Fluoranthene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Fluorene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Fluorenone Isomer									
Hexachlorobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Hexachlorobutadiene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Hexachlorocyclopentadiene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Hexachloroethane	<10	<10	<10	<20	<10	<20	<20	<20	<20
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Isophorone	<10	<10	<10	<20	<10	<20	<20	<20	<20
N-Nitrosdi-n-propylamine	<10	<10	<10	<20	<10	<20	<20	<20	<20
N-Nitrosdimethylamine	<10	<10	<10	<20	<10	<20	<20	<20	<20
N-Nitrosdiphenylamine	<10	<10	<10	<20	<10	<20	<20	<20	<20
Naphthalene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Nitrobenzene	<10	<10	<10	<20	<10	<20	<20	<20	<20
p-Chloro-m-cresol	<10	<10	<10	<20	<10	<20	<20	<20	<20
Pentachlorophenol	<50	<50	<50	<100	<50	<100	<100	<100	<100
Phenanthrene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Phenol	<10	<10	<10	<20	<10	<20	<20	<20	<20
Polychlorinated Aromatic		20							
Pyrene	<10	<10	<10	<20	<10	<20	<20	<20	<20
Unknown Hydrocarbon									

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	G-01 90/12/01 BAC/ORG	G-02 90/12/02 BAC/ORG	G-04 90/11/28 BAC/ORG	G-07 90/11/30 BAC/ORG	G-08 90/12/03 BAC/ORG	G-10 91/10/10 ATI/ORG	G-13 90/11/30 BAC/ORG	G-14 91/10/09 ATI/ORG	G-15 91/10/08 ATI/ORG	G-16 91/10/17 ATI/ORG	G-17 91/10/11 ATI/ORG	G-18 91/10/16 ATI/ORG	G-19 91/10/10 ATI/ORG
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Diphenylhydrazine	<10	<10	<10	<10	<10[E]		<10						
1,3-Dichlorobenzene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10[E]	<50	<10	<50	<50	<50	<50	<50	<50
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<25	<25	<25	<25	<25[E]	<50	<25	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<10	<10	<10	<10	<10[E]	<20	<10	<20	<20	<20	<20	<20	<20
3,4-Benzofluoranthene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl phenyl ether	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloroaniline	<20	<20	<20	<20	<20[E]	<10	<20	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
4-Methylphenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitroaniline	<50	<50	<50	<50	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50
4-Nitrophenol	<25	<25	<25	<25	<25[E]	<50	<25	<50	<50	<50	<50	<50	<50
Acenaphthene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic Hydrocarbon C26								5					
Aniline	<20	<20	<20	<20	<20[E]	<10	<20	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzidine	<40	<40	<40	<40	<40[E]		<40						
Benzo(a)anthracene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(ghi)perylene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Benzoic Acid	<50	<50	<50	<50	<50[E]	<50	<50	<50	<50	<50	<50	<50	<50
Benzyl Alcohol	<20	<20	<20	<20	<20[E]	<10	<20	<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether						<10		<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl)ether	<10	<10	<10	<10	<10[E]		<10						
Bis(2-ethylhexyl) phthalate	60[EB]	31[EB]	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Butyl benzyl phthalate	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butyl phthalate	<50	<50	<50	<50	<50[E]	<10	<50	<10	<10	<10	<10	<10	<10
Di-n-octyl phthalate	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Dimethylphthalate	<25	<25	<25	<25	<25[E]	<10	<25	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosdi-n-propylamine	<40	<40	<40	<40	<40[E]	<10	<40	<10	<10	<10	<10	<10	<10
N-Nitrosdimethylamine	<80	<80	<80	<80	<80[E]	<10	<80	<10	<10	<10	<10	<10	<10
N-Nitrosdiphenylamine	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
p-Chloro-m-cresol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	<10	<10	<10	<10	<10[E]	<50	<10	<50	<50	<50	<50	<50	<50
Phenanthrene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene	<10	<10	<10	<10	<10[E]	<10	<10	<10	<10	<10	<10	<10	<10
Unknown (as appropriate w/method)		400											

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

COMPOUND (Micrograms per liter)	LW-04 91/10/11 ATI/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/10/08 ATI/ORG	LW-07 91/10/17 ATI/ORG
1,2,4-Trichlorobenzene	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10
2,4,5-Trichlorophenol	<50	<50	<50	<50
2,4,6-Trichlorophenol	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10
2,4-Dinitrophenol	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	<20	<20
3,4-Benzofluoranthene	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50
4-Bromophenyl phenyl ether	<10	<10	<10	<10
4-Chloroaniline	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10
4-Methylphenol	<10	<10	<10	<10
4-Nitroaniline	<50	<50	<50	<50
4-Nitrophenol	<50	<50	<50	<50
Acenaphthene	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10
Aniline	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10
Benzo(ghi)perylene	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10
Benzoic Acid	<50	<50	<50	<50
Benzyl Alcohol	<10	<10	<10	<10
Bis(2-chloroethoxy)methane	<10	<10	<10	<10
Bis(2-chloroethyl) ether	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether	<10	<10	<10	<10
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<10
Butyl benzyl phthalate	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10
Di-n-butyl phthalate	<10	<10	<10	<10
Di-n-octyl phthalate	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10
Dimethylphthalate	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10
Indeno(1,2,3-cd) pyrene	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10
N-Nitrosdi-n-propylamine	<10	<10	<10	<10
N-Nitrosdimethylamine	<10	<10	<10	<10
N-Nitrosdiphenylamine	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10
p-Chloro-m-cresol	<10	<10	<10	<10
Pentachlorophenol	<50	<50	<50	<50
Phenanthrene	<10	<10	<10	<10
Phenol	<10	<10	<10	<10
Pyrene	<10	<10	<10	<10

NOTE: See last page of this table for footnotes.

TABLE G.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN GROUNDWATER

NOTES: Groundwater samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Well Identifier, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.

< = Less than; numerical value is the limit of detection for this analysis.

BAC = Brown & Caldwell
CAL = California Analytical
HZL = Hazelton

DSEP = Duplicate Split EPA Sample
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
(R) = Unsatisfactory: data unusable for any purpose.
[E] = Estimated quantity. QC criteria not met during data assessment; limited use.
[EA] = Estimated quantity due to accuracy goals not met.
[EP] = Estimated quantity due to precision goals not met.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	MW-01 00/01/01 BAC/LD	MW-01 85/05/02 BCL/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 RMAL/QEPA	MW-01 85/07/01 RMAL/SEPA	MW-01 85/08/13 BCL/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-02 85/05/02 BCL/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 RMAL/QEPA	MW-02 85/07/02 RMAL/SEPA	MW-02 85/08/13 BCL/ORG	MW-02 87/01/09 BAC/LD	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-03 85/08/13 BCL/ORG	MW-03 87/01/09 BAC/ORG
Antimony				<31	<31						<155	<155						
Arsenic		<0.01		7.5	11				<0.01		<100	160						
Barium				82	105						592	651						
Beryllium				<0.3	0.3						7.6	8.4						
Boron	0.62	0.94				0.68	0.56	0.62	0.97				1.3	0.57	0.74	0.83	0.18	0.25
Cadmium				<4	<4						<20	<20						
Chromium (total)				27	28						123	121						
Cobalt				9.4	12						260	293						
Copper	<0.03	<0.01	<0.09	20	28		<0.03	<0.03	0.02	<0.09	217	207		<0.03	<0.03	<0.03		<0.03
Iron		0.08	<0.1	11900	19500		0.08	0.11	0.07	4.2	117000	119000			2.9	1.4		0.32
Lead				10	9.1						<2	<2						
Manganese	1.6	1.8	1.5	1390	1460		1.6	1.8	35	35	34600	34800		28	28	28		1
Mercury				<0.1	<0.1						1	1.3						
Molybdenum																		
Nickel				11	14						557	631						
Selenium				<50	<30						<50	<50						
Silver				<3	<3						<15	20						
Thallium				<100	<100						<100	<100						
Vanadium				29	43						207	203						
Zinc	<0.08	0.02	<0.02	33	48		<0.08	<0.08	0.17	0.37	624	688		0.18	0.19	0.08		<0.08

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	MW-03 87/01/14 BAC/ORG	MW-03 90/11/28 BAC/ORG	MW-04 85/05/02 BCL/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 RMAL/SEPA	MW-04 85/08/13 BCL/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-05 85/08/13 BCL/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG	MW-05 90/11/27 BAC/FD	MW-05 90/11/27 BAC/ORG	MW-06 90/12/02 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-09 89/05/12 BAC/ORG	MW-12 90/11/28 BAC/ORG	MW-14 90/12/02 BAC/ORG
Antimony		<0.5			<31								<0.5	<0.5	<0.5			<0.5	<0.5
Arsenic		0.022	<0.01		<3								<0.002	<0.002	<0.002			0.015	0.019
Barium					<12														
Beryllium		<0.005			<0.3								<0.005	<0.005	<0.005			<0.005	<0.005
Boron	0.38		0.74			0.57	0.52	0.64	0.2	0.31	0.35	0.44				0.11	0.47		
Cadmium		0.003			<4								<0.001	<0.001	<0.001			<0.001	<0.001
Chromium (total)		<0.005			<4								<0.005	<0.005	<0.005			<0.005	<0.005
Cobalt					<4														
Copper	<0.03	<0.02	<0.01	<0.09	3.2		<0.03	<0.03		<0.03	<0.03	<0.03	<0.02	<0.02	<0.02			<0.02	<0.02
Iron	0.73		<0.05	0.1	<15		<0.03	<0.03		<0.03	0.06	<0.03							
Lead		<0.002			2.4								<0.002	<0.002	<0.002			<0.002	<0.002
Manganese	1		<0.01	0.33	<5		0.16	0.17		3.6	3.6	3.7							
Mercury		<0.0005			<0.1								<0.0005	<0.0005	<0.0005			<0.0005	<0.0005
Molybdenum																			
Nickel		<0.04			<5								<0.04	<0.04	<0.04			<0.04	<0.04
Selenium		<0.004			<30								<0.004	<0.004	<0.004			<0.004	<0.004
Silver		<0.01			<3								<0.01	<0.01	<0.01			<0.01	<0.01
Thallium		<0.5			<3								<0.5	<0.05	<0.5			<0.5	<0.5
Vanadium					<4														
Zinc	<0.08	<0.02	<0.01	<0.02	<2		<0.08	<0.08		<0.08	<0.08	<0.08	<0.02	<0.02	<0.02			<0.02	<0.02

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	MW-16 90/04/05 BAC/ORG	MW-17 90/04/05 BAC/ORG	MW-18 90/04/05 BAC/ORG	MW-19 90/04/05 BAC/ORG	MW-19 90/11/29 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-22 90/04/05 BAC/ORG	MW-23 89/10/26 BAC/ORG	MW-24 89/10/26 BAC/ORG	MW-25 89/10/28 BAC/ORG	MW-26 89/10/28 BAC/ORG	MW-27 91/10/09 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/17 ATI/ORG	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD
Antimony					<0.5							<0.03	<0.03	<0.03	<0.03		
Arsenic					<0.002							<0.002	0.029	0.018	<0.002		
Barium					0.19												
Beryllium					<0.005							<0.005	<0.005	<0.005	<0.005		
Boron								0.15	0.08	0.17	0.26					0.22	0.25
Cadmium					<0.001							0.006	<0.0008	<0.005	<0.005		
Chromium (total)					<0.005							<0.01	<0.01	<0.01	0.02		
Cobalt					<0.05												
Copper	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					0.04	0.02	0.02	<0.01	<0.04	<0.03
Iron	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1					0.04	<0.01	0.01	<0.01	0.05	<0.03
Lead					<0.002							<0.002	<0.003	<0.002	<0.002		
Manganese	<0.01	0.44	<0.01	<0.01		0.06	<0.01					0.73	1	0.45	0.08	0.26	0.33
Mercury					<0.0005							0.0005	<0.0005	<0.0005	<0.0005		
Molybdenum					<0.2												
Nickel					0.07							<0.01	<0.01	<0.01	0.15		
Selenium					<0.004							<0.002	<0.002	<0.002	<0.002		
Silver					<0.01							<0.01	<0.01	<0.01	<0.01		
Thallium					<0.5							<0.002	<0.002	0.003	<0.002		
Vanadium					<0.05												
Zinc	<0.03	0.04	<0.03	<0.03	<0.02	<0.03	<0.03					<0.05	<0.05	<0.05	<0.05	0.09	<0.08

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	BF-01 87/01/13 BAC/ORG	BF-02 87/01/07 BAC/FD	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-04 87/01/08 BAC/LD	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-04 90/11/29 BAC/ORG	BF-08 90/11/30 BAC/ORG	BF-10 89/12/08 BAC/ORG	BF-11 89/12/07 BAC/ORG	BF-12 89/12/07 BAC/ORG	BF-13 89/11/06 BAC/ORG	BF-14 89/10/26 BAC/ORG	BF-15 89/10/26 BAC/ORG	BF-16 90/01/10 BAC/ORG	BF-16 90/11/29 BAC/ORG
Antimony										<0.5	<0.5								<0.5
Arsenic										<0.002	<0.002								0.003
Barium										0.041									0.07
Beryllium										<0.005	<0.005								<0.005
Boron	0.28	0.26	0.24	0.31	0.24	0.33	0.22	0.18	0.36			0.1	0.16	0.09	0.06	0.07	0.11	0.13	
Cadmium										<0.001	<0.001								<0.001
Chromium (total)										<0.005	<0.005								<0.005
Cobalt										<0.05									<0.05
Copper	<0.03	<0.03	<0.03	<0.03	<0.04	<0.03	<0.04	<0.04	<0.03	<0.02	<0.02								<0.02
Iron	<0.03	<0.03	<0.03	<0.03	0.06	<0.03		<0.03	<0.03										
Lead										<0.002	<0.002								<0.002
Manganese	0.31	0.64	0.65	0.65	0.75	0.84	0.17	0.18	0.11										
Mercury										<0.0005	<0.0005								<0.0005
Molybdenum										<0.2									<0.2
Nickel										<0.04	<0.04								<0.04
Selenium										<0.004	<0.004								<0.004
Silver										<0.01	<0.01								<0.01
Thallium										<0.5	<0.5								<0.5
Vanadium										<0.05									<0.05
Zinc	<0.08	<0.08	<0.08	<0.08	0.1	<0.08	<0.08	<0.08	<0.08	<0.02	0.09								<0.02

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	BF-17 89/12/20 BAC/ORG	BF-17 90/11/29 BAC/FD	BF-17 90/11/29 BAC/ORG	BF-18 91/10/10 ATI/ORG	BF-19 91/10/09 ATI/ORG	BF-20 91/10/11 ATI/ORG	BF-21 91/10/17 ATI/ORG	BF-22 91/10/16 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/10/10 ATI/ORG	BF-25 91/10/17 ATI/ORG	BF-26 91/10/17 ATI/ORG	BF-27 91/10/17 ATI/ORG	BF-28 91/10/18 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/10/16 ATI/ORG	BF-31 91/10/16 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-32A 96/08/08 SPL/ORG
Antimony		<0.5	<0.5	<0.03	<0.03	<0.03	<0.03	<0.03	0.4	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	
Arsenic		<0.002	<0.002	0.005	0.002	0.01	<0.002	<0.002	0.002	0.003	<0.002	<0.002	0.003	0.003	0.008	0.006	0.048	0.005	<0.05
Barium		0.054	0.058																
Beryllium		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.021	
Boron	0.12																		
Cadmium		<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.05	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.023	<0.01
Chromium (total)		<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.388
Cobalt		<0.05	<0.05																
Copper		<0.02	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	0.08	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02[UB]	0.022
Iron				<0.01	<0.01	<0.01	<0.01	0.01[UB]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Lead		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.002	0.011
Manganese				0.02	0.04	0.43	0.15	0.06	0.32	0.19	0.03	0.08	0.37	0.32	0.18	0.11	0.22	2.8	
Mercury		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Molybdenum		<0.2	<0.2																
Nickel		<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	
Selenium		<0.004	<0.004	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.1
Silver		<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.08	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.05
Thallium		<0.5	<0.5	0.003	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Vanadium		<0.05	<0.05																
Zinc		<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.07	<0.05	<0.05	0.08	0.13	<0.05	<0.05	<0.05	4.4	<0.1

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	BF-32A 96/08/28 CLI/ORG	BF-32A 96/09/05 CEN/AQT	BF-32A 96/09/05 SPL/AQT	BF-33 91/10/16 ATI/ORG	BF-33 96/08/09 SPL/ORG	BF-33 96/09/04 CEN/AQT	BF-33 96/09/04 SPL/AQT	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-01 90/12/01 BAC/ORG	G-02 87/01/07 BAC/ORG	G-02 87/01/12 BAC/ORG	G-02 90/12/02 BAC/ORG	G-03 87/01/07 BAC/ORG	G-03 87/01/13 BAC/LD	G-03 87/01/13 BAC/ORG	G-04 90/11/28 BAC/ORG	G-07 90/11/30 BAC/ORG
Antimony				<0.03							<0.5			<0.5				<0.5	<0.5
Arsenic		<0.1		<0.002	<0.05	<0.1					0.002			<0.002				<0.002	<0.002
Barium																			
Beryllium				0.034							<0.005			<0.005				<0.005	<0.005
Boron								0.15	0.09	0.2		0.13	0.18		0.18	0.2	0.2		
Cadmium		<0.05		0.036	<0.01	<0.05					<0.001			<0.001				<0.001	<0.001
Chromium (total)	<0.05	<0.05		0.03	<0.01	<0.05					<0.005			<0.005				<0.005	<0.005
Cobalt																			
Copper		<0.05		0.04(EB)	<0.01	<0.05		<0.04	<0.04	<0.03	<0.02	<0.03	<0.03	<0.02	<0.03	<0.03	<0.03	<0.02	<0.02
Iron				0.02(UB)				<0.03	0.03	<0.03		<0.03	<0.03		<0.03		<0.03		
Lead		<0.1		<0.002	0.015	<0.1					<0.002			<0.002				<0.002	<0.002
Manganese				0.09				<0.003	<0.003	<0.004		<0.004	<0.005		0.006	0.008	0.007		
Mercury			<0.0004	<0.0005	<0.0004		<0.0004				<0.0005			<0.0005				<0.0005	<0.0005
Molybdenum																			
Nickel				0.03							<0.04			<0.04				<0.04	<0.04
Selenium			<0.1	<0.002	<0.1		<0.1				<0.004			<0.004				<0.004	<0.004
Silver		<0.05		0.03	<0.05	<0.05					<0.01			<0.01				<0.01	<0.01
Thallium				<0.002							<0.5			<0.5				<0.5	<0.5
Vanadium																			
Zinc		0.19		1.2	3.44	0.37		<0.08	<0.08	<0.08	<0.02	<0.08	<0.08	<0.02	<0.08	<0.08	<0.08	<0.02	<0.02

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	G-08 89/12/20 BAC/ORG	G-08 90/12/03 BAC/ORG	G-09 89/12/08 BAC/ORG	G-10 91/10/10 ATI/ORG	G-11 89/11/08 BAC/ORG	G-12 89/10/27 BAC/ORG	G-13 89/10/26 BAC/ORG	G-13 90/11/30 BAC/ORG	G-14 91/10/09 ATI/ORG	G-15 91/10/08 ATI/ORG	G-16 91/10/17 ATI/ORG	G-17 91/10/11 ATI/ORG	G-18 91/10/16 ATI/ORG	G-19 91/10/10 ATI/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LW-01 89/10/25 BAC/ORG	LW-02 89/10/26 BAC/ORG
Antimony		<0.5		<0.03				<0.5	<0.03		<0.03	<0.03	<0.03	<0.03					
Arsenic		<0.002		0.002				<0.002	<0.002		<0.002	<0.002	0.003	<0.002					
Barium																			
Beryllium		<0.005		<0.005				<0.005	<0.005		<0.005	<0.005	<0.005	<0.005					
Boron	0.15		0.11		0.07	0.06	0.07								0.15	0.17	0.14	0.09	0.05
Cadmium		<0.001		<0.005				<0.001	0.006		<0.005	<0.005	<0.005	<0.005					
Chromium (total)		<0.005		<0.01				<0.005	<0.01		<0.01	<0.01	<0.01	<0.01					
Cobalt																			
Copper		<0.02		<0.01				<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03		
Iron				<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03		
Lead		<0.002		<0.002				<0.002	<0.002		<0.002	<0.002	<0.002	<0.002					
Manganese				0.03					0.05	0.03	0.04	0.06	0.05	0.04	0.008	<0.004	<0.004		
Mercury		<0.0005		<0.0005				<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005					
Molybdenum																			
Nickel		<0.04		<0.01				<0.04	<0.01		0.01[UB]	<0.01	<0.01	<0.01					
Selenium		<0.004		<0.002				<0.004	<0.002		<0.002	<0.002	<0.002	<0.002					
Silver		<0.01		0.01				<0.01	<0.01		<0.01	<0.01	<0.01	0.02					
Thallium		<0.5		<0.002				<0.5	<0.002		<0.002	<0.002	<0.002	<0.002					
Vanadium																			
Zinc		<0.02		<0.05				<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08		

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

COMPOUND (MG/L)	LW-03 89/12/08 BAC/ORG	LW-04 91/10/11 ATI/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/10/08 ATI/ORG	LW-07 91/10/17 ATI/ORG
Antimony		<0.03	<0.03	<0.03	<0.03
Arsenic		0.002	0.003	<0.002	0.003
Barium					
Beryllium		<0.005	<0.005	<0.005	<0.005
Boron	<0.05				
Cadmium		<0.005	<0.005	<0.005	<0.005
Chromium (total)		<0.01	<0.01	<0.01	<0.01
Cobalt					
Copper		<0.01	<0.02	<0.02	<0.01
Iron		0.01	<0.01	0.07	0.02[UB]
Lead		<0.002	<0.002	<0.002	<0.002
Manganese		0.03	0.03	0.04	0.04
Mercury		<0.0005	<0.0005	<0.0005	<0.0005
Molybdenum					
Nickel		<0.01	<0.01	<0.01	0.01[UB]
Selenium		<0.002	<0.002	<0.002	<0.002
Silver		<0.01	<0.01	<0.01	<0.01
Thallium		<0.002	<0.002	<0.002	<0.002
Vanadium					
Zinc		<0.05	<0.05	<0.05	<0.05

NOTE: See last page of this table for footnotes.

TABLE G.4
TRACE METALS IN GROUNDWATER

NOTES: Groundwater samples analyzed for trace metal compounds using EPA Methods 220.1 or 6010.
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/L= Milligrams per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Tech. Inc.

ORG = Original Sample

[EB] = Estimated quantity due to blank contamination.
[UB] = Data unusable due to blank contamination.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	MW-01 00/01/01 BAC/LD	MW-01 00/01/02 RMAL/QEPA	MW-01 85/05/02 BCL/ORG	MW-01 85/07/01 BAC/ORG	MW-01 85/07/01 RMAL/QEPA	MW-01 85/07/01 RMAL/SEPA	MW-01 85/08/13 BCL/ORG	MW-01 87/01/09 BAC/ORG	MW-01 87/01/12 BAC/ORG	MW-02 00/01/02 RMAL/QEPA	MW-02 85/05/02 BCL/ORG	MW-02 85/07/02 BAC/ORG	MW-02 85/07/02 RMAL/QEPA	MW-02 85/07/02 RMAL/SEPA	MW-02 85/08/13 BCL/ORG	MW-02 87/01/09 BAC/LD
Alkalinity as CaCO3																
Boron	0.62		0.94				0.68	0.56	0.62		0.97				1.3	0.57
Calcium	600	<0.28	331	370	362	370	423	560	590	494	580	430	612	634	570	590
Chloride	1400		616	670			616	1300	1400		1919	2100			1947	2400
Fluoride	0.1		0.27				0.27	0.2	0.1		6.8	5.7			7.4	7.4
Magnesium	180	<0.25	138	110	116	119	134	170	180	131	600	540	632	634	635	670
Nitrate (as NO3)	<0.4		<0.4	0.71			<0.4	<0.4	<0.4		0.9	0.92			<0.4	0.8
Potassium	17	<0.99	18	12	14.5	16.1	16	16	17	42.3	39	23	33	34.4	23	18
Silica			38				38				36				34	
Sodium	520	<0.59	455	840	388	402	396	490	520	193	2500	2500	2570	2610	2470	2400
Sulfate	830		980	900			950	790	810		5440	3600			5800	4500
Total Dissolved Solids	4000		2920	3100			3120	4100	4000		13740	13000			8650	13000

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	MW-02 87/01/09 BAC/ORG	MW-02 87/01/13 BAC/ORG	MW-03 85/08/13 BCL/ORG	MW-03 87/01/09 BAC/ORG	MW-03 87/01/14 BAC/ORG	MW-04 85/05/02 BCL/ORG	MW-04 85/07/02 BAC/ORG	MW-04 85/07/02 RMAL/SEPA	MW-04 85/08/13 BCL/ORG	MW-04 87/01/09 BAC/ORG	MW-04 87/01/13 BAC/ORG	MW-05 85/08/13 BCL/ORG	MW-05 87/01/09 BAC/FD	MW-05 87/01/09 BAC/ORG	MW-05 87/01/12 BAC/ORG
Alkalinity as CaCO3															
Boron	0.74	0.83	0.18	0.25	0.38	0.74			0.57	0.52	0.64	0.2	0.31	0.35	0.44
Calcium	580	570	170	160	162	220	340	<0.28	344	450	310	560	510	510	510
Chloride	2400	2400	207	230	220	680	610		658	830	660	726	770	770	800
Fluoride	7.7	3.9	0.39	0.2	0.2	0.14	0.12		0.17	0.1	0.1	0.18	0.1	0.1	0.1
Magnesium	580	690	45	45	44	106	81	<0.25	87	100	88	121	110	120	110
Nitrate (as NO3)	0.6	<0.4	<0.4	1.5	1.7	52.3	110		59.4	57	<0.4	<0.4	6.9	6.8	7
Potassium	23	18	8	6.6	5.4	24	16	<0.99	19	15	14	18	18	18	17
Silica			34			40			40			48			
Sodium	2400	2500	104	110	110	210	220	<0.59	167	160	160	188	180	190	190
Sulfate	4500	4800	27	20	18	165	100		94	79	94	650	330	330	310
Total Dissolved Solids	13000	14000	1065	900	860	2010	2100		2185	2600	1600	3400	2600	3000	2500

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	MW-06 89/02/08 BAC/ORG	MW-07 89/02/09 BAC/ORG	MW-08 89/05/12 BAC/ORG	MW-09 89/05/12 BAC/ORG	MW-10 89/02/10 BAC/LD	MW-10 89/02/10 BAC/ORG	MW-11 89/02/10 BAC/ORG	MW-12 89/02/07 BAC/ORG	MW-13 89/02/08 BAC/ORG	MW-14 89/02/09 BAC/LD	MW-14 89/02/09 BAC/ORG	MW-15 89/02/08 BAC/ORG	MW-16 90/04/05 BAC/ORG	MW-17 90/04/05 BAC/ORG	MW-18 90/04/05 BAC/ORG
Alkalinity as CaCO3															
Boron			0.11	0.47											
Calcium	850	490	97	420	250	260	350	260	230	210	250	440	97	150	81
Chloride	930	1200	320	672	590	610	620	260	480	510	510	300	340	410	93
Fluoride	0.1	0.3	0.3	<0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2			
Magnesium	230	130	27	100	60	61	93	73	81	83	96	96	37	51	14
Nitrate (as NO3)	<0.4	<0.4	2	2.2	12	12	<0.4	<0.4	<0.1	<0.4	<0.4	<0.1	26	2.1	8
Potassium			7.7	19									8	7.5	4.6
Silica															
Sodium	320	430	97	170	130	140	210	120	210	190	220	130	110	160	48
Sulfate	1900	620	40	480	77	77	320	270	140	32	31	93	52	77	42
Total Dissolved Solids	4800	3400	760	2500	1500	1500	2200	1500	1600	1400	1400	2500	910	110	430

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	MW-19 90/04/05 BAC/ORG	MW-21 90/04/05 BAC/ORG	MW-22 90/04/05 BAC/ORG	MW-23 89/10/26 BAC/ORG	MW-24 89/10/26 BAC/ORG	MW-25 89/10/28 BAC/ORG	MW-26 89/10/28 BAC/ORG	MW-27 91/10/09 ATI/ORG	MW-28 91/11/21 ATI/ORG	MW-29 91/10/09 ATI/ORG	MW-30 91/10/17 ATI/ORG	BF-01 87/01/08 BAC/ORG	BF-01 87/01/13 BAC/FD	BF-01 87/01/13 BAC/ORG	BF-02 87/01/07 BAC/FD
Alkalinity as CaCO3				320	390	370	620								
Boron				0.15	0.08	0.17	0.26					0.22	0.25	0.28	0.26
Calcium	110	210	84	370	250	210	240	257	215	179	207	85	100	94	100
Chloride	270	460	320	540	320	150	290	471	321	160	390	210	190	190	110
Fluoride				0.25	0.36	0.26	0.26	<0.5	<0.5	<0.5	<0.5	0.3	0.3	0.3	0.2
Magnesium	20	71	35	69	57	45	57	58.3	74.7	60.7	38.7	19	22	22	20
Nitrate (as NO3)	11	<0.2	12	120	87	0.35	24.9					0.5	<0.4	<0.4	<0.4
Potassium	8.1	9.9	7.7	10	8.4	6.6	9.5	12.9	7.7	11.6	8.1	5.1	5.5	5.9	5.4
Silica				27	25	28	33								
Sodium	67	98	160	130	160	110	180	117	102	132	136	73	72	65	82
Sulfate	29	44	92	69	88	240	60	42.3	58.2	31.3	39.8	30	31	30	120
Total Dissolved Solids	690	1500	900	1500	1100	1000	1100	1300	1300	884	1120	590	510	540	600

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	BF-02 87/01/07 BAC/ORG	BF-02 87/01/13 BAC/ORG	BF-03 87/01/08 BAC/ORG	BF-03 87/01/13 BAC/ORG	BF-04 87/01/08 BAC/LD	BF-04 87/01/08 BAC/ORG	BF-04 87/01/13 BAC/ORG	BF-05 89/02/07 BAC/LD	BF-05 89/02/07 BAC/ORG	BF-06 89/02/08 BAC/ORG	BF-07 89/02/09 BAC/ORG	BF-08 89/02/06 BAC/LD	BF-08 89/02/06 BAC/ORG	BF-09 89/02/10 BAC/ORG	BF-10 89/12/08 BAC/ORG
Alkalinity as CaCO3															160
Boron	0.24	0.31	0.24	0.33	0.22	0.18	0.38								0.1
Calcium	95	100	160	180	120	120	120	50	53	140	150	68	63	77	88
Chloride	110	110	200	200	140	120	120	46	48	170	150	100	100	110	120
Fluoride	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.27
Magnesium	23	22	32	38		2.7	28	15	16	39	37	19	18	17	20
Nitrate (as NO3)	0.8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1	<0.1	<0.1	<0.4	0.4	<0.2
Potassium	5.8	5.9	6.8	7.2	9.9	6.3	6.9								4.6
Silica															22
Sodium	82	72	91	88	71	75	68	130	140	78	74	60	58	87	63
Sulfate	120	120	200	210		170	160	78	81	250	230	100	100	88	98
Total Dissolved Solids	630	560	1000	980		760	710		420	990	800	<5	550	540	620

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	BF-11 89/12/07 BAC/ORG	BF-12 89/12/07 BAC/ORG	BF-13 89/11/06 BAC/ORG	BF-14 89/10/26 BAC/ORG	BF-15 89/10/26 BAC/ORG	BF-16 90/01/10 BAC/ORG	BF-17 89/12/20 BAC/ORG	BF-18 91/10/10 ATI/ORG	BF-19 91/10/09 ATI/ORG	BF-20 91/10/11 ATI/ORG	BF-21 91/10/17 ATI/ORG	BF-22 91/10/16 ATI/ORG	BF-23 91/10/10 ATI/ORG	BF-24 91/10/10 ATI/ORG	BF-25 91/10/17 ATI/ORG
Alkalinity as CaCO3	440	200	200	160	400	240	252								
Boron	0.18	0.09	0.06	0.07	0.11	0.13	0.12								
Calcium	98	84	<1100	90	180	60	69	58.8	51.2	103	110	93.2	111	94.9	110
Chloride	123	72	2000	110	150	110	79	90	68	250	130	170	140	100	150
Fluoride	0.22	0.26	0.13	0.3	0.25	0.31	0.31	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium	33	19	230	18	38	24	20	12.4	14.5	27.7	30.9	27.7	32.5	30.7	30
Nitrate (as NO3)	0.39	0.51	<0.2	2	<0.05		<0.2								
Potassium	6.5	4.2	14	4.6	7	5.4	5.4	4.7	5.8	8.1	6.7	5.7	13.8	6.3	8
Silica	33	24	26	25	27	28	27								
Sodium	170	57	380	58	200	130	74	61.8	62.6	82.4	80.4	80.8	77.5	80.4	75.8
Sulfate	120	130	330	65	300	100	110	22.6	45.3	34.7	172	72.8	165	154	154
Total Dissolved Solids	820	540	5600	450	1200	600	490	346	400	706	666	602	712	630	870

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	BF-26 91/10/17 ATI/ORG	BF-27 91/10/17 ATI/ORG	BF-28 91/10/16 ATI/ORG	BF-29 91/10/17 ATI/ORG	BF-30 91/10/18 ATI/ORG	BF-31 91/10/16 ATI/ORG	BF-32 91/10/16 ATI/ORG	BF-33 91/10/16 ATI/ORG	G-01 87/01/08 BAC/FD	G-01 87/01/08 BAC/ORG	G-01 87/01/13 BAC/ORG	G-02 87/01/07 BAC/ORG	G-02 87/01/12 BAC/ORG	G-03 87/01/07 BAC/ORG	G-03 87/01/13 BAC/LD
Alkalinity as CaCO3															
Boron									0.15	0.09	0.2	0.13	0.18	0.18	0.2
Calcium	77.4	118	117	94.3	62.6	75.6	221	135	43	42	61	41	68	49	49.4
Chloride	220	130	90	250	160	210	670	260	56	53	58	86	98	48	46
Fluoride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.3	0.3	0.3	0.2	0.3	0.2	0.3
Magnesium	26.6	24.5	35.7	26.4	20.1	23	85.5	44.3	0.36	0.48	0.48	15	15	9.8	9.1
Nitrate (as NO3)									0.6	0.5	0.6	<0.4	<0.4	0.4	0.4
Potassium	11.1	5.1	6	7.3	11.1	7.2	10.8	8.3	7.6	7.7	9.2	6.3	7.8	4.4	4.4
Silica															
Sodium	103	83.8	76	91.7	71.7	115	220	202	67	67	66	69	58	60	50
Sulfate	160	117	235	34.3	24	107	22.4	306	48	48	48	70	74	43	41
Total Dissolved Solids	878	642	698	608	440	586	1740	1110	340	340	340	400	450	330	280

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	G-03 87/01/13 BAC/ORG	G-04 89/02/07 BAC/LD	G-04 89/02/07 BAC/ORG	G-05 89/02/08 BAC/LD	G-05 89/02/08 BAC/ORG	G-06 89/02/09 BAC/ORG	G-07 89/02/06 BAC/ORG	G-08 89/12/20 BAC/ORG	G-09 89/12/08 BAC/ORG	G-10 91/10/10 ATI/ORG	G-11 89/11/06 BAC/ORG	G-12 89/10/27 BAC/ORG	G-13 89/10/26 BAC/ORG	G-14 91/10/09 ATI/ORG	G-15 91/10/08 ATI/ORG
Alkalinity as CaCO3								136	170		194	210	190		
Boron	0.2							0.15	0.11		0.07	0.06	0.07		
Calcium	53.4		52	72	71	49	62	35	83	44.3	85	85	67	47.9	37.3
Chloride	46		70	67	68	63	41	36	63	70	63	79	35	70	38
Fluoride	0.3		0.3	0.3	0.3	0.3	0.4	0.37	0.29	<0.5	0.26	0.27	0.36	0.5	<0.5
Magnesium	9.4		17	23	23	18	13	12	16	13.6	15	19	13	13.5	10.9
Nitrate (as NO3)	0.4		<0.4	<0.4	<0.4	<0.1	<0.4	0.86	<0.2		<0.2	<0.05	<0.05		
Potassium	4.8							5.4	4.2	6.9	4.4	5.2	4.7	7.8	5.4
Silica								27	27		28	28	26		
Sodium	50		62	55	53	62	51	69	52	64.6	62	80	58	72.2	53.8
Sulfate	39		67	94	93	60	51	44	80	19.3	79	99	65	40.5	10.8
Total Dissolved Solids	260	400	400	530	520	400	330	320	510	308	450	510	350	326	274

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

COMPOUND (MG/L)	G-16 91/10/17 ATI/ORG	G-17 91/10/11 ATI/ORG	G-18 91/10/16 ATI/ORG	G-19 91/10/10 ATI/ORG	LG-01 87/01/07 BAC/ORG	LG-01 87/01/12 BAC/FD	LG-01 87/01/12 BAC/ORG	LG-02 89/02/10 BAC/ORG	LW-01 89/10/25 BAC/ORG	LW-02 89/10/26 BAC/ORG	LW-03 89/12/06 BAC/ORG	LW-04 91/10/11 ATI/ORG	LW-05 91/10/09 ATI/ORG	LW-06 91/10/08 ATI/ORG	LW-07 91/10/17 ATI/ORG
Alkalinity as CaCO3									180	180	190				
Boron					0.15	0.17	0.14		0.09	0.05	<0.05				
Calcium	43	51.2	42.7	39.9	9	12	12	35	33	46	46	31.4	25.5	23.7	19.7
Chloride	30	40	20	20	30	33	30	37	27	22	23	20	25	31	10
Fluoride	<0.5	<0.5	<0.5	<0.5	0.4	0.4	0.4	0.3	0.33	0.28	0.26	<0.5	<0.5	<0.5	<0.5
Magnesium	13.4	15.6	13.8	13	4.5	5.4	5.3	13	5.8	6.9	7.3	10.1	8	7.6	7.4
Nitrate (as NO3)					<0.4	0.6	<0.4	<0.4	<0.05	<0.05	<0.2				
Potassium	4.3	4.8	4.6	5.2	6.1	6.1	6.1		3.5	3.3	2.3	4.9	5.1	4	4.4
Silica									30	24	25				
Sodium	43.7	62.7	51.5	48	67	53	54	53	58	45	35	62.2	74.1	64.4	78.7
Sulfate	38.1	60	61.3	48.5	14	12	12	47	14	2	3	<10	17.6	14.3	31.2
Total Dissolved Solids	284	338	278	260	200	210	210	320	240	230	240	246	280	268	296

NOTE: See last page of this table for footnotes.

TABLE G.5
COMMON IONS IN GROUNDWATER

NOTES: Groundwater samples analyzed for common ions using one or more of the following methods:

APHA-404B
EPA-130.2
EPA-215.1
EPA-215.2
EPA-258.1
EPA-273.1
EPA-300.0
EPA-310.1
EPA-325.2
EPA-325.3
EPA-325.6
EPA-340.2
EPA-353.2
EPA-370.1
EPA-375.2
EPA-375.4
EPA-376.2
EPA-376.2M
EPA-9038
EPA-9252
Lab Meter

NOTES: Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/L= Milligrams per liter
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Tech. Inc.
BCL = BC Labs
BAC = Brown & Caldwell
RMAL = Rocky Mountain Analytical

ORG = Original Sample

LD = Lab Duplicate
QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates
SEPA = Split samples analyzed by EPA

TABLE G.6
P-CBSA IN GROUNDWATER

SAMPLE IDENTIFIER	CONCENTRATION (Micrograms per liter)
BF-04 11/29/90 ATI/ORG	72000
BF-05 4/25/91 ATI/ORG	7300
BF-07 4/25/91 ATI/ORG	8900
BF-08 11/30/90 ATI/ORG	27000
BF-08 8/15/94 ATI/ORG	9200
BF-09 11/30/95 BAC/ORG	43000
BF-10 4/24/91 ATI/ORG	3200
BF-12 4/24/91 ATI/ORG	1100
BF-16 11/28/90 ATI/ORG	5500
BF-17 11/29/90 ATI/FD	36000
BF-17 11/29/90 ATI/ORG	36000
BF-18 10/10/91 ATI/ORG	<20
BF-18 12/1/95 BAC/ORG	<100
BF-19 10/9/91 ATI/ORG	<20
BF-20 10/11/91 ATI/ORG	3500
BF-21 10/17/91 ATI/ORG	33000
BF-22 10/16/91 ATI/ORG	3400
BF-23 10/10/91 ATI/ORG	630
BF-24 10/10/91 ATI/ORG	49000
BF-24 12/1/95 BAC/ORG	88000
BF-25 10/17/91 ATI/ORG	8000
BF-26 10/17/91 ATI/ORG	7700
BF-26 11/27/95 ATI/SPT	180
BF-26 11/27/95 BAC/ORG	890
BF-27 10/17/91 ATI/ORG	770
BF-28 10/16/91 ATI/ORG	180
BF-29 10/17/91 ATI/ORG	790
BF-30 10/16/91 ATI/ORG	<20
BF-30 11/27/95 BAC/ORG	<100
BF-31 10/16/91 ATI/ORG	7200
BF-32 10/16/91 ATI/ORG	7100
BF-32A 11/29/95 BAC/FD	<100
BF-32A 11/29/95 BAC/ORG	<100
BF-33 10/16/91 ATI/ORG	1200
G-01 12/1/90 ATI/ORG	500
G-02 12/2/90 ATI/ORG	21000
G-04 11/28/90 ATI/ORG	9300
G-07 11/30/90 ATI/ORG	2000
G-07 8/15/94 ATI/ORG	2000
G-08 12/3/90 ATI/ORG	1000
G-09 4/24/91 ATI/ORG	2700
G-10 10/10/91 ATI/ORG	<20
G-10 11/30/95 BAC/ORG	150
G-13 11/30/90 ATI/ORG	22000
G-14 10/9/91 ATI/ORG	<20
G-15 10/8/91 ATI/ORG	170
G-16 10/17/91 ATI/ORG	<20
G-16 11/28/95 BAC/ORG	<100
G-17 10/11/91 ATI/ORG	3000
G-18 10/16/91 ATI/ORG	<20
G-18 11/29/95 BAC/ORG	<100
G-19 10/10/91 ATI/ORG	210
G-19 11/29/95 BAC/FD	24000
G-19 11/29/95 BAC/ORG	24000
LW-01 11/28/95 ATI/SPT	510
LW-01 11/28/95 BAC/ORG	2100
LW-01 4/23/91 ATI/ORG	270
LW-02 11/28/95 BAC/ORG	<100
LW-02 4/24/91 ATI/ORG	1400
LW-04 10/11/91 ATI/ORG	<20

NOTE: See last page of this table for footnotes.

TABLE G.6
P-CBSA IN GROUNDWATER

SAMPLE IDENTIFIER	CONCENTRATION (Micrograms per liter)
LW-05 10/8/91 ATI/ORG	<20
LW-06 10/8/91 ATI/ORG	<20
LW-07 10/17/91 ATI/ORG	<20
MW-01 7/1/85 HZL/DEPA	62000
MW-01 7/1/85 HZL/DEPA	63000
MW-03 11/28/90 ATI/ORG	<200
MW-04 7/2/85 HZL/SEPA	<5000
MW-05 11/27/90 ATI/FD	22000
MW-05 11/27/90 ATI/ORG	24000
MW-06 12/1/95 BAC/ORG	11000
MW-06 12/2/90 ATI/ORG	1500
MW-12 11/28/90 ATI/ORG	54000
MW-12 12/2/95 BAC/ORG	20000
MW-14 12/2/90 ATI/ORG	5500
MW-15 8/15/94 ATI/ORG	99000
MW-17 12/1/95 BAC/ORG	<100
MW-19 11/28/90 ATI/ORG	<200
MW-19 11/30/95 BAC/ORG	<100
MW-23 4/25/91 ATI/ORG	1900
MW-24 12/1/95 BAC/ORG	<100
MW-25 12/1/95 BAC/FD	420
MW-25 12/1/95 BAC/ORG	370
MW-26 12/1/95 BAC/ORG	<100
MW-26 4/25/91 ATI/ORG	<20
MW-27 10/9/91 ATI/ORG	<20
MW-27 12/2/95 BAC/ORG	<100
MW-28 11/21/91 ATI/ORG	<20
MW-29 10/9/91 ATI/ORG	<20
MW-30 10/17/91 ATI/ORG	<20

NOTE: See last page of this table for footnotes.

TABLE G.6
P-CBSA IN GROUNDWATER

NOTES: Groundwater samples analyzed for p-CBSA using HPLC or EPA Method 300.0
Sample heading provides the following information: Well Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Tech. Inc.
BCL = BC Labs
BAC = Brown & Caldwell
HZL = Hazelton

DEPA = Duplicate EPA Sample
ORG = Original Sample
FD = Field Duplicate

OEPA = Original EPA Sample

QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates

SEPA = Split samples analyzed by EPA

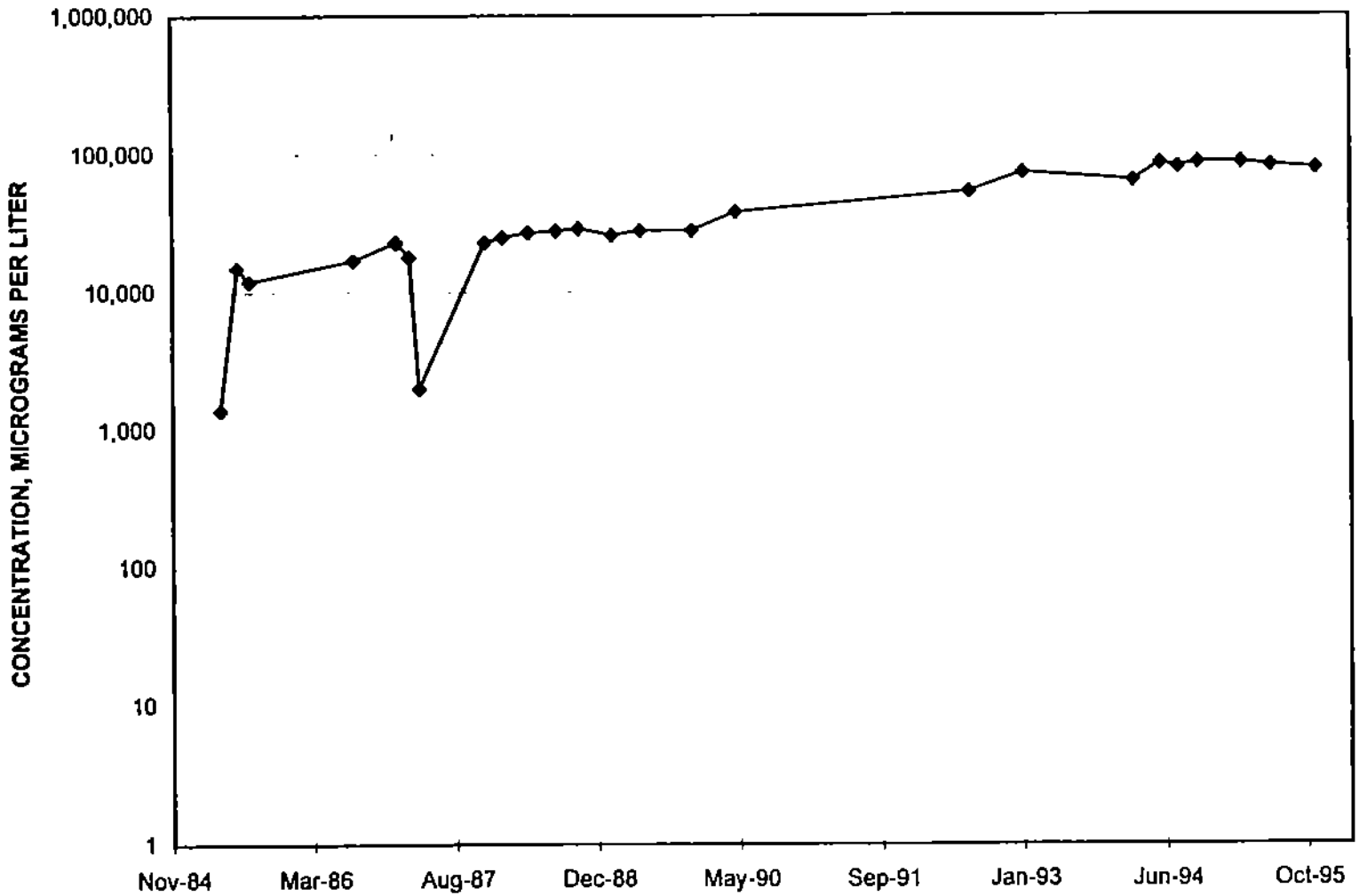

FIGURE G-01. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-01

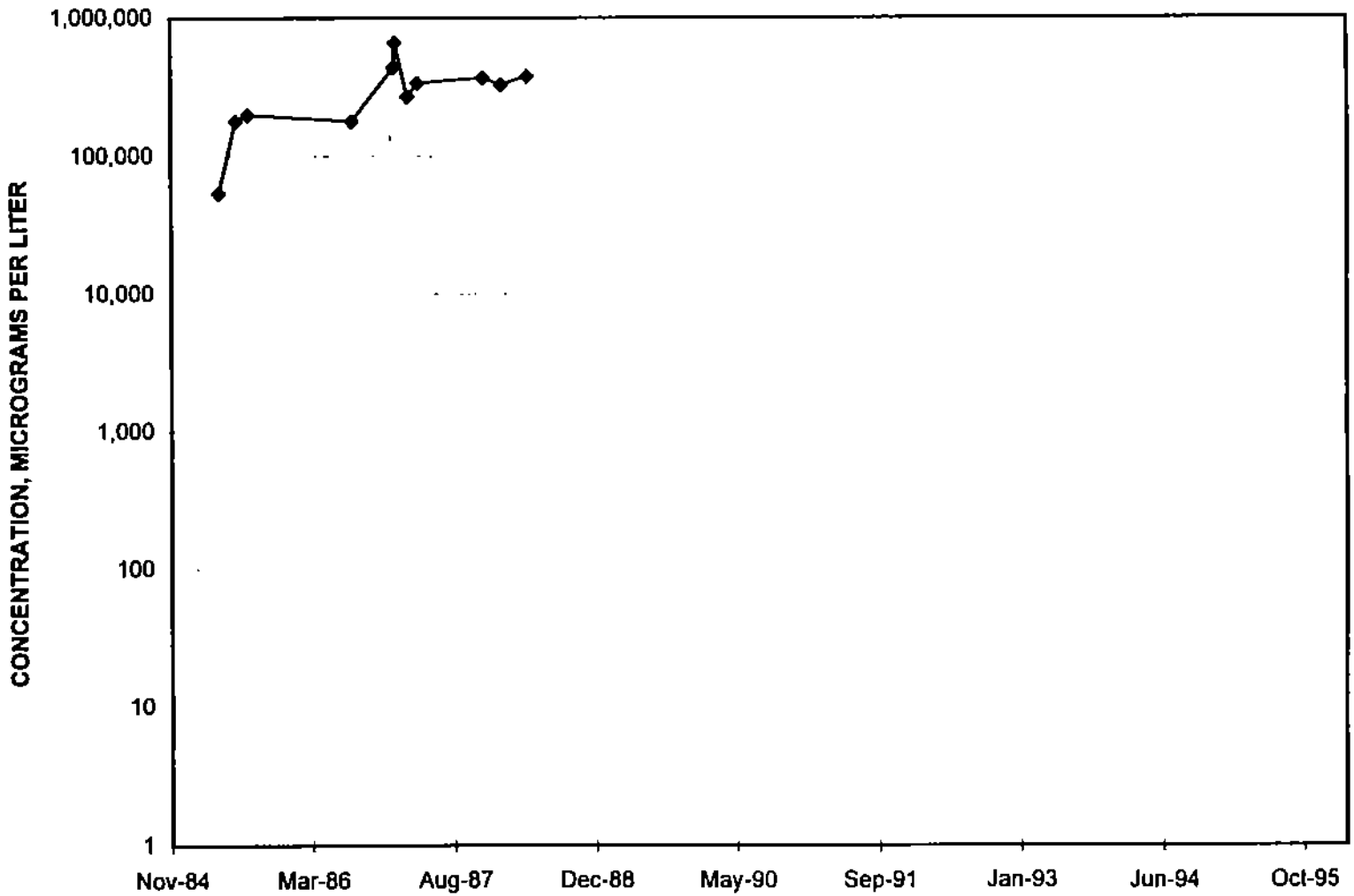

FIGURE G-02. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-02

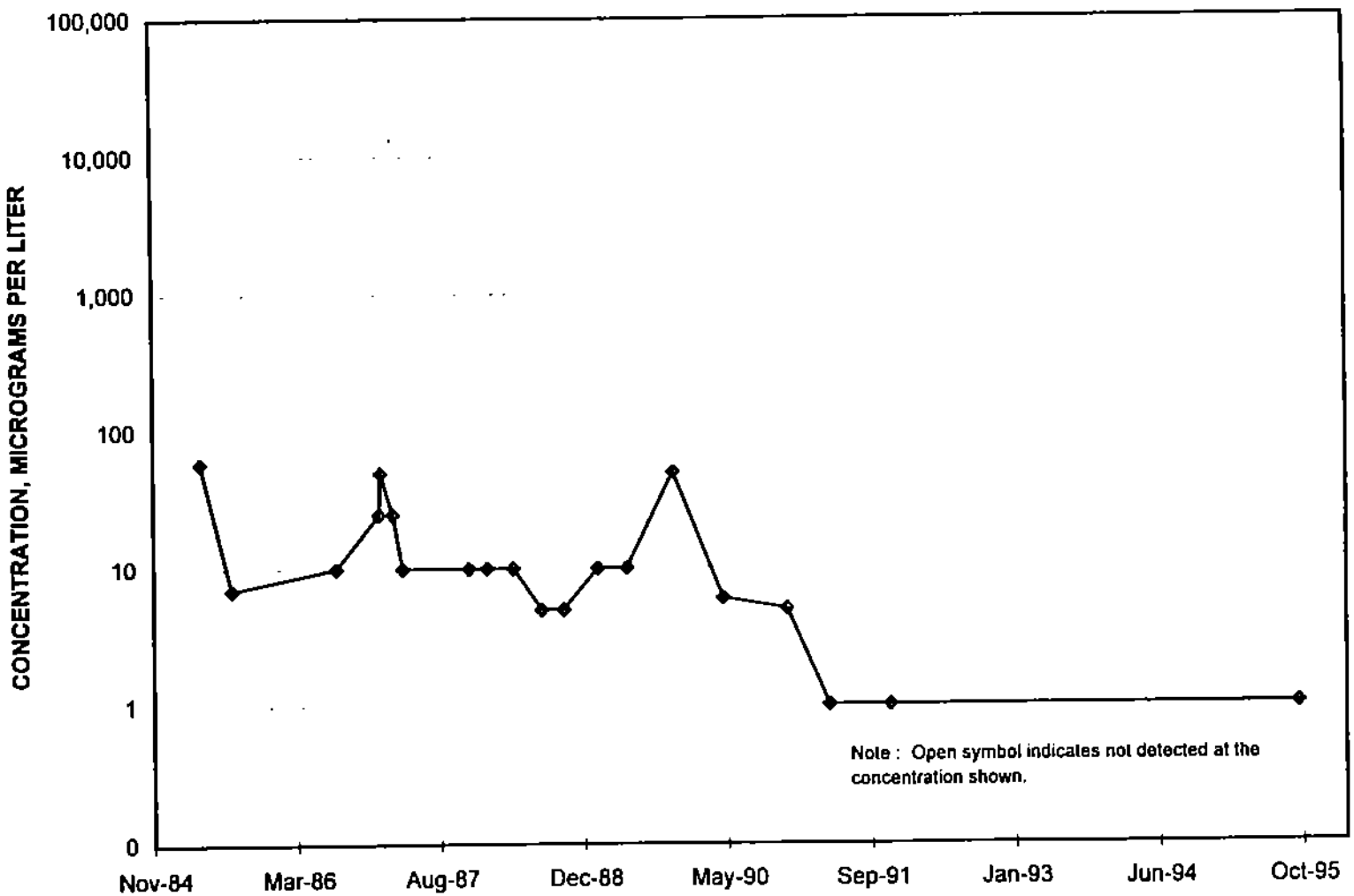

FIGURE G-03. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-03

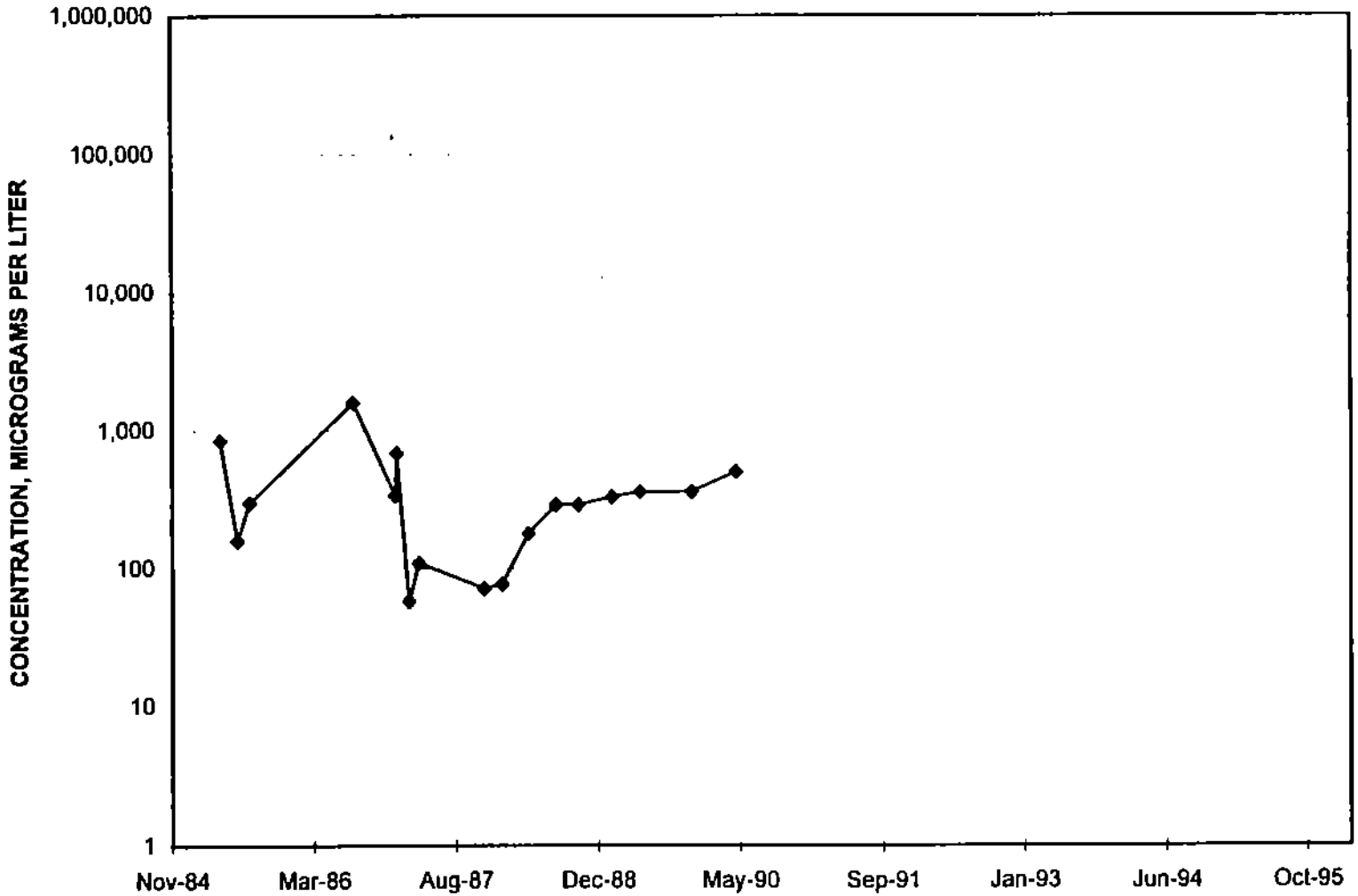

FIGURE G-04. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-04

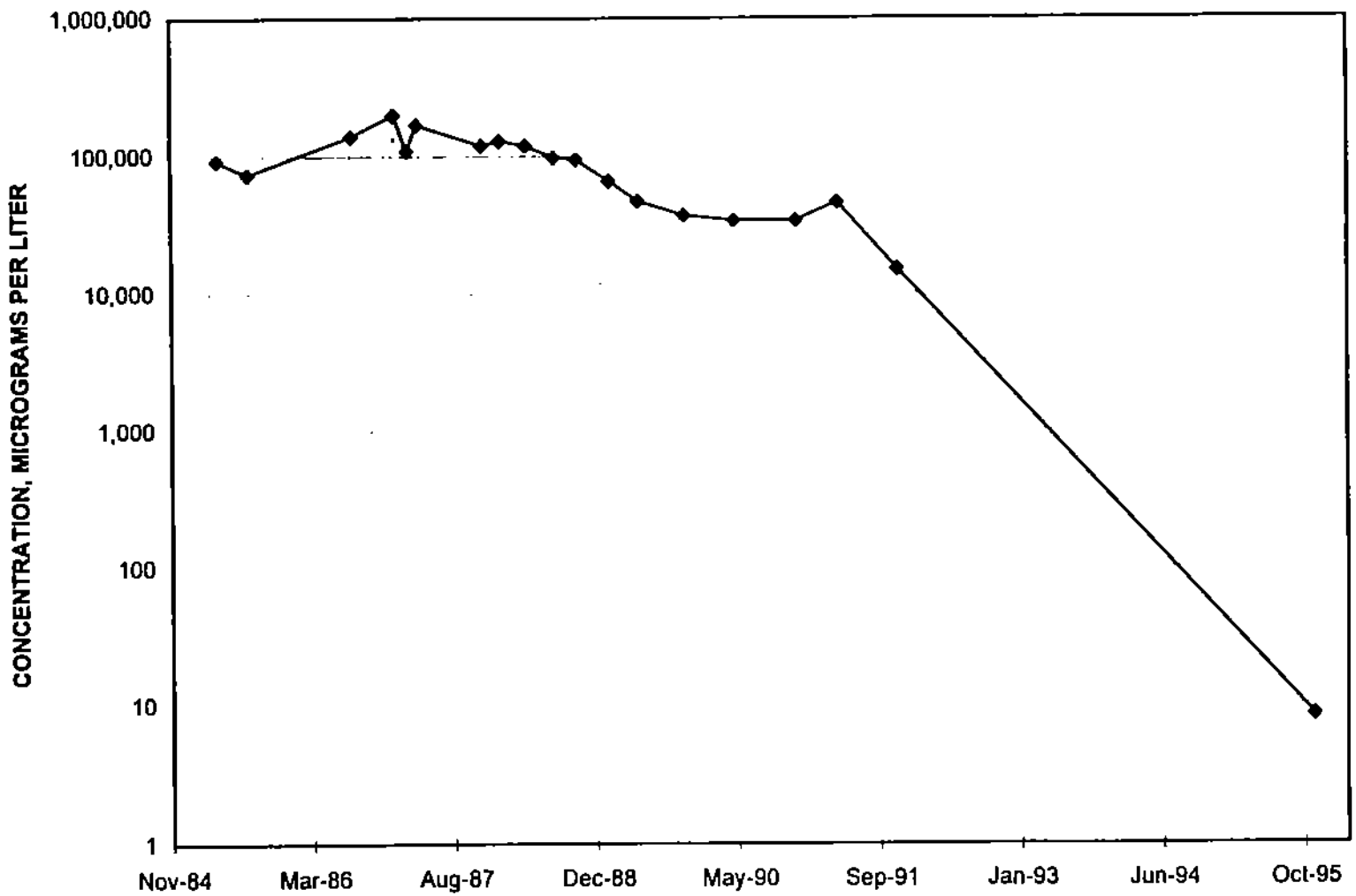

FIGURE G-05. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-05

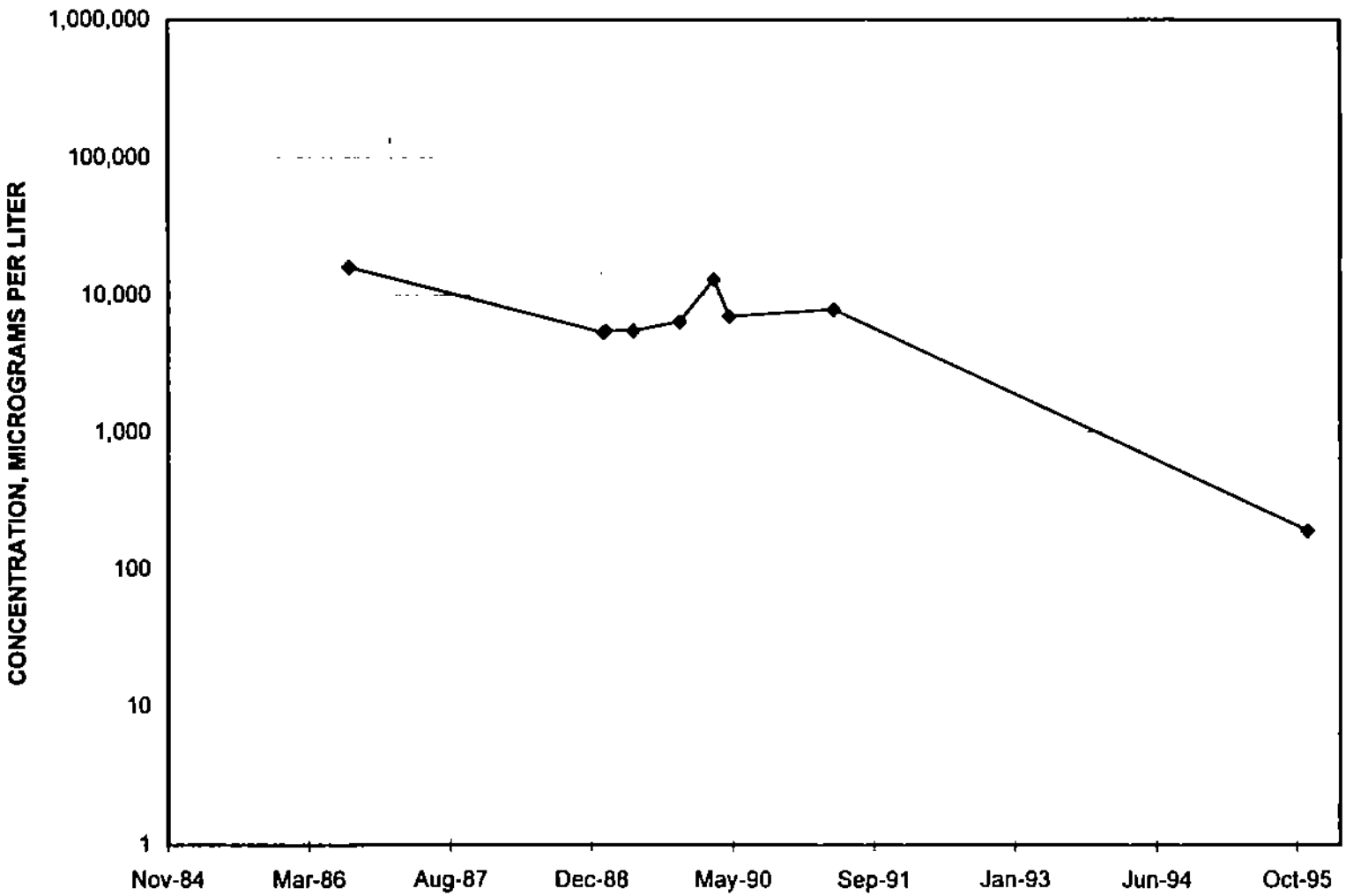

FIGURE G-06. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-06

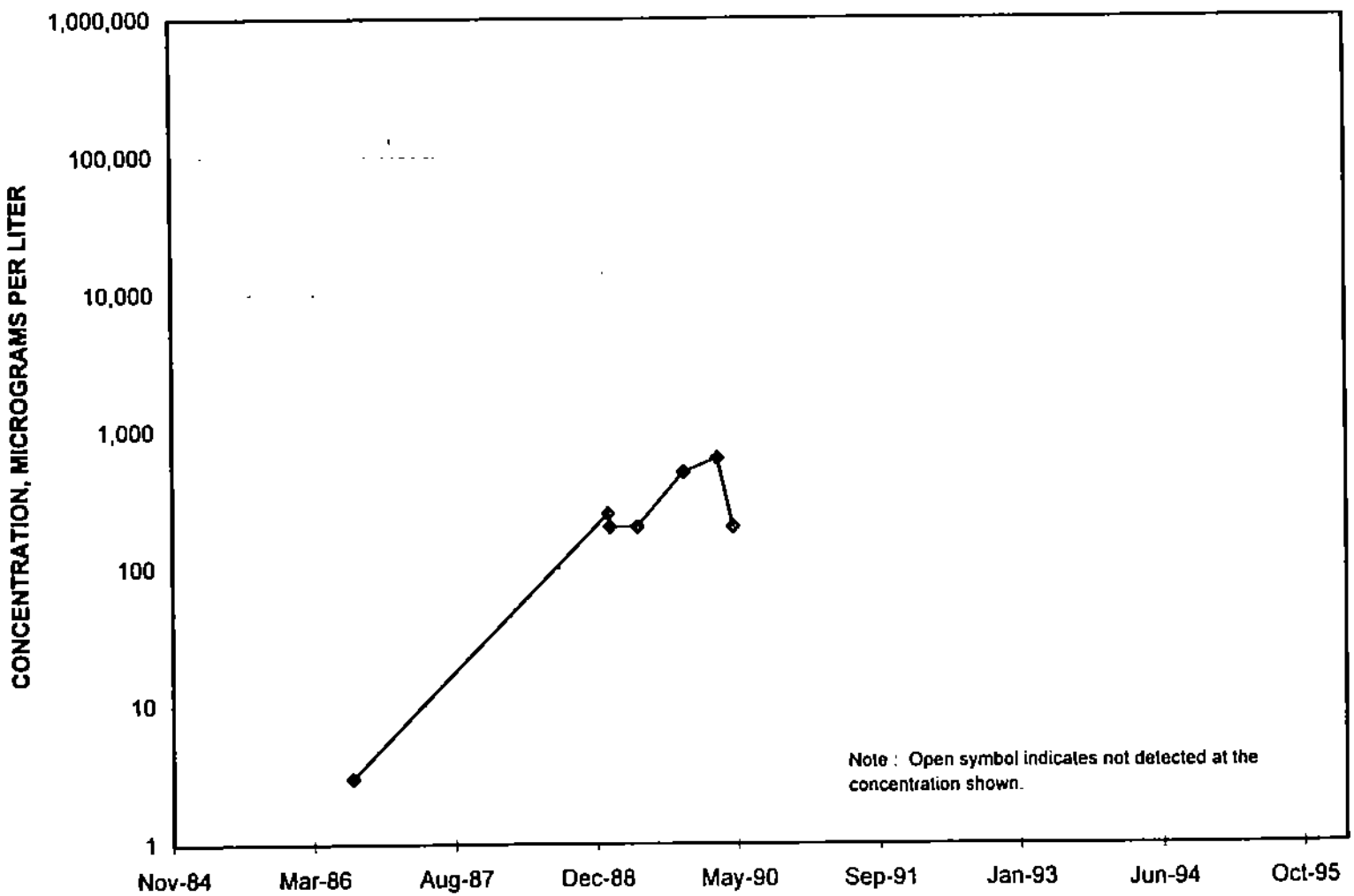

FIGURE G-07. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-07

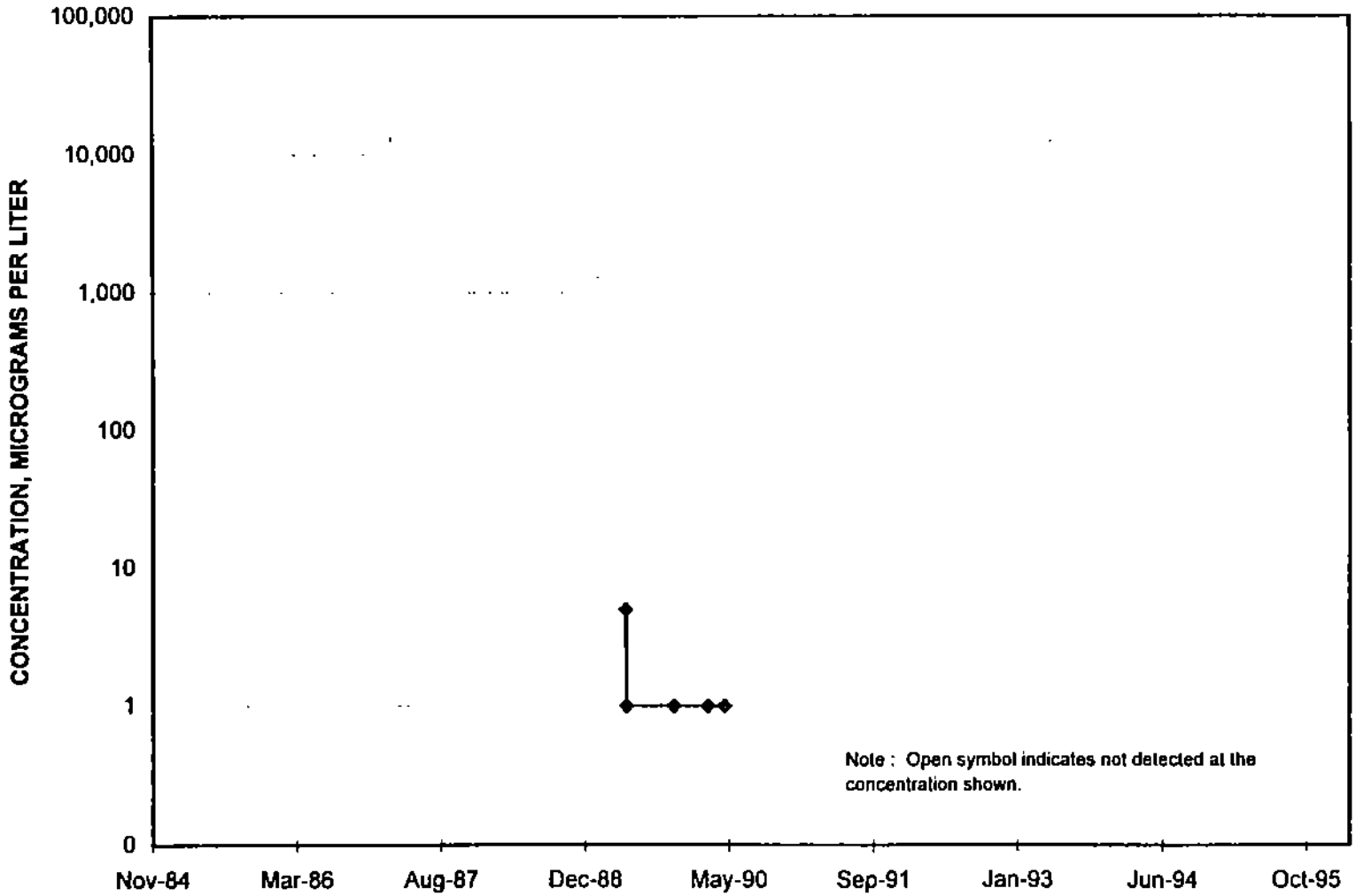

FIGURE G-08. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-08

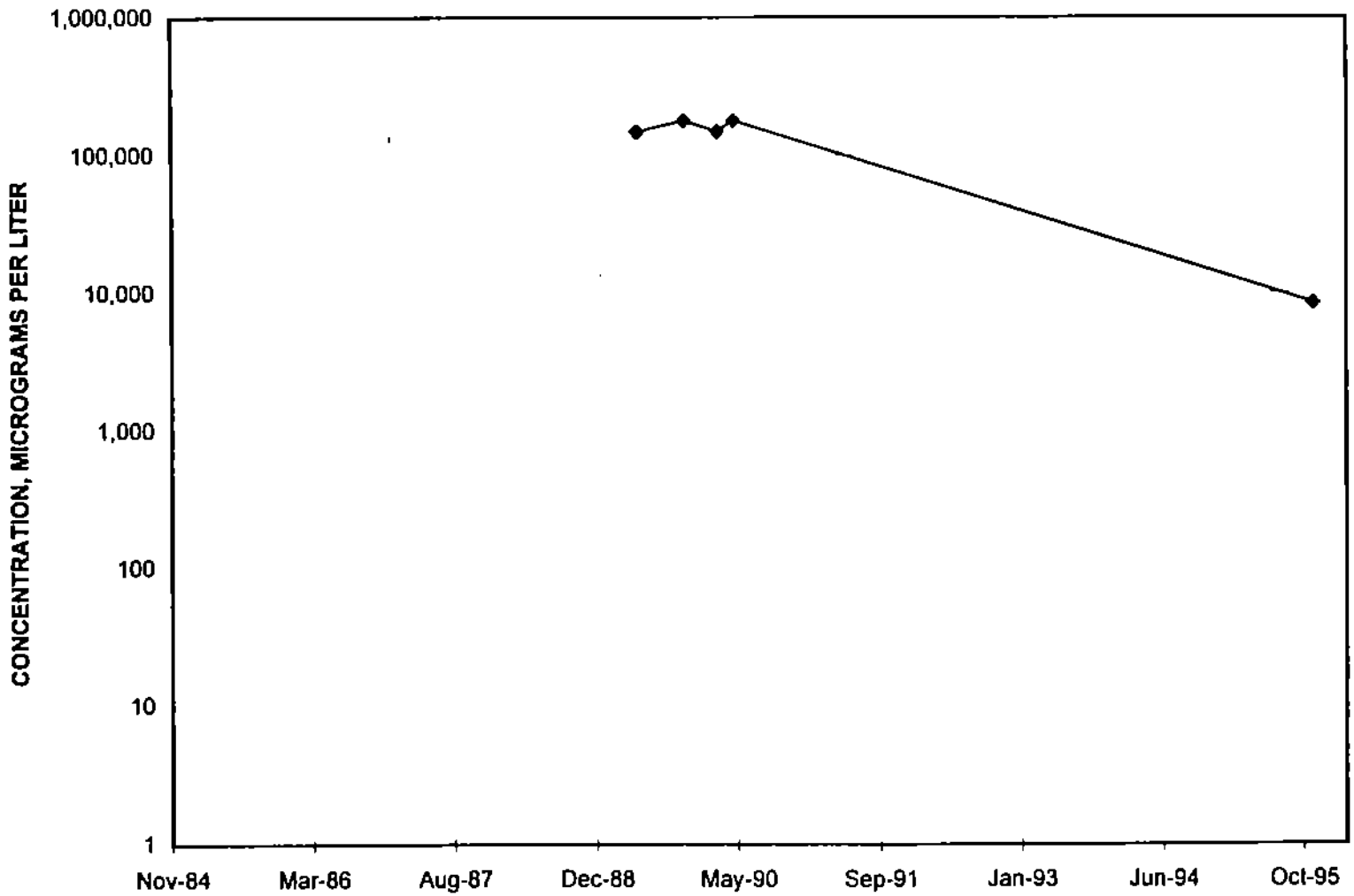

FIGURE G-09. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-09

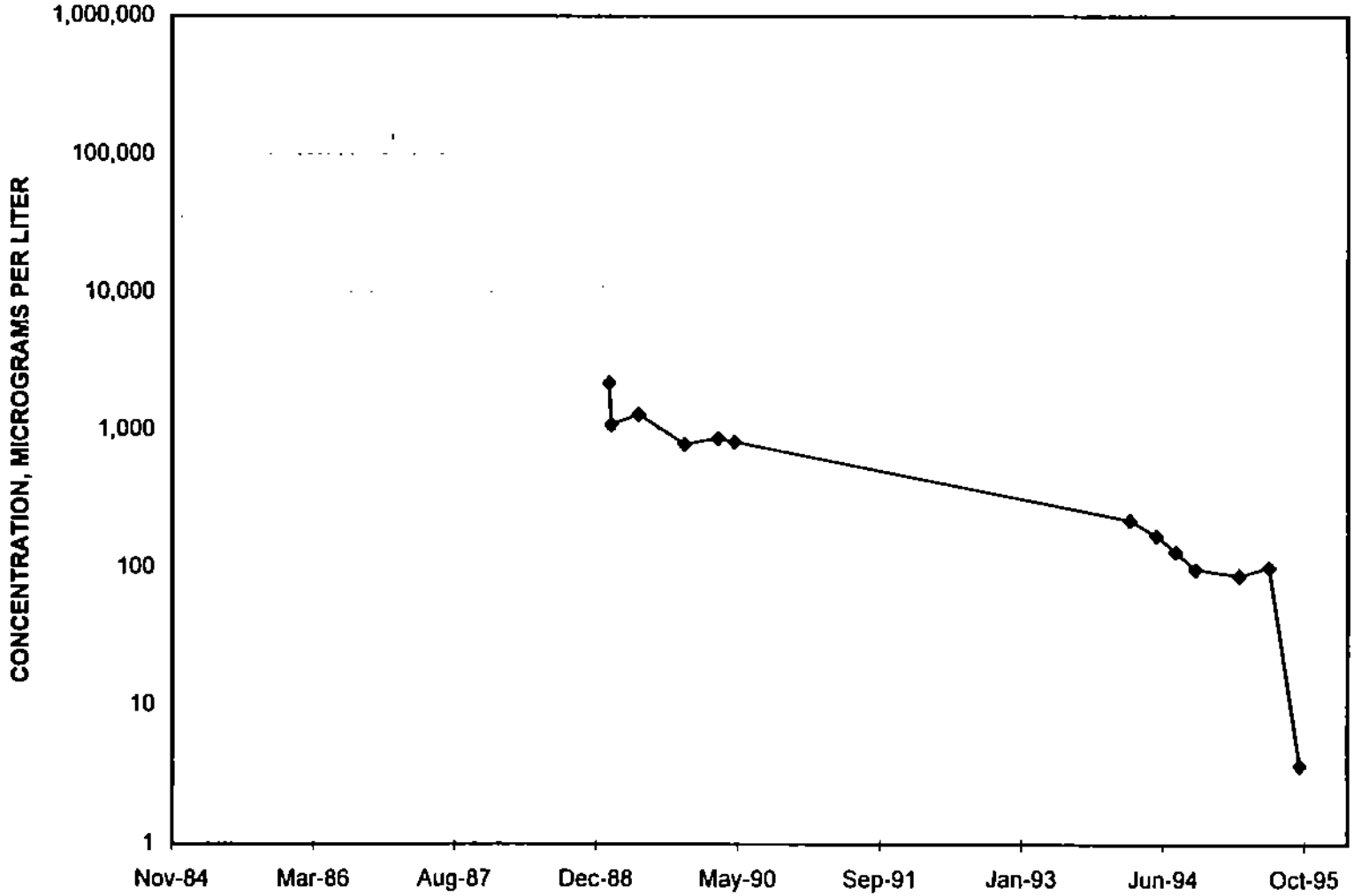

FIGURE G-10. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-10

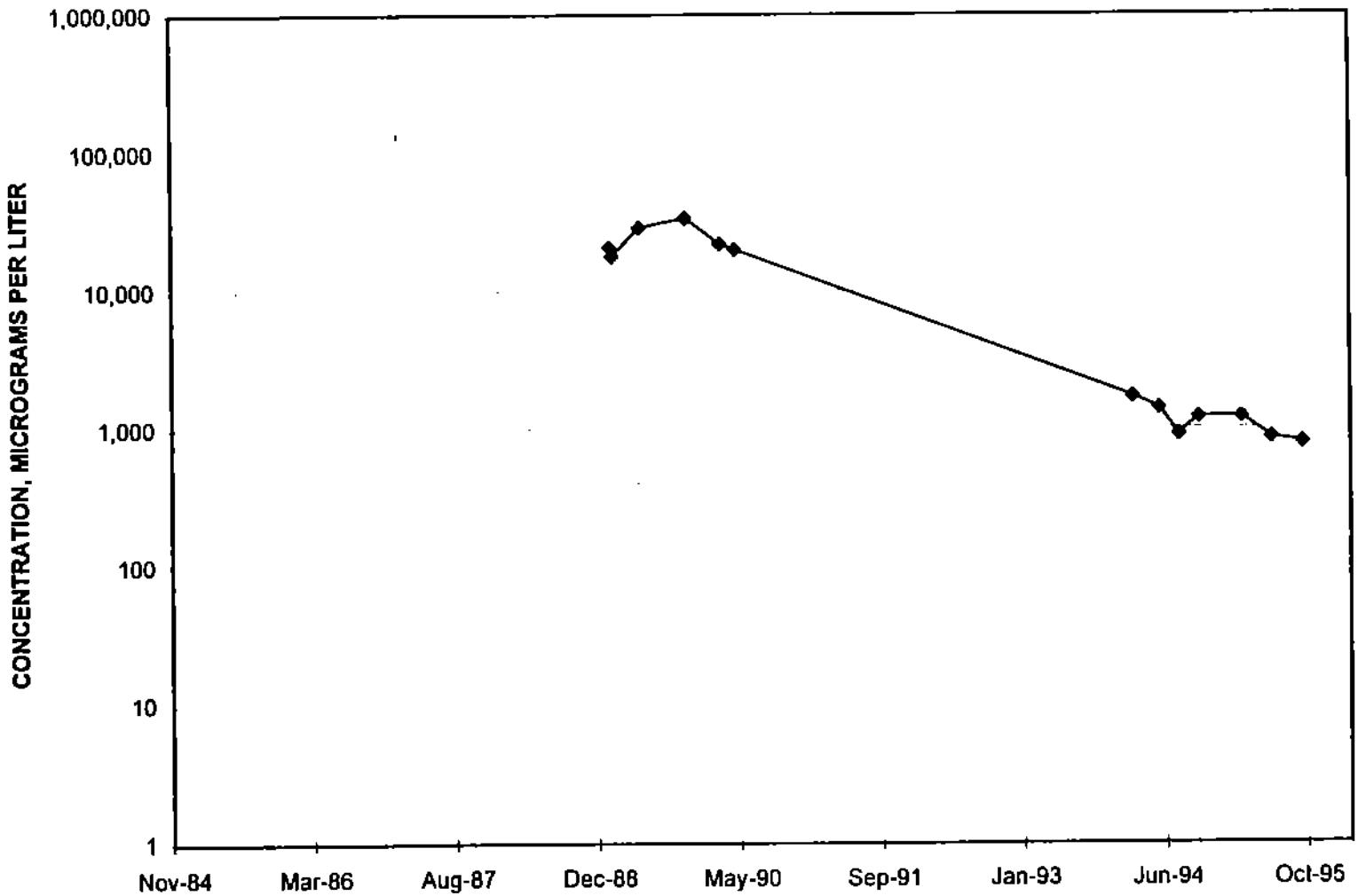

FIGURE G-11. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-11

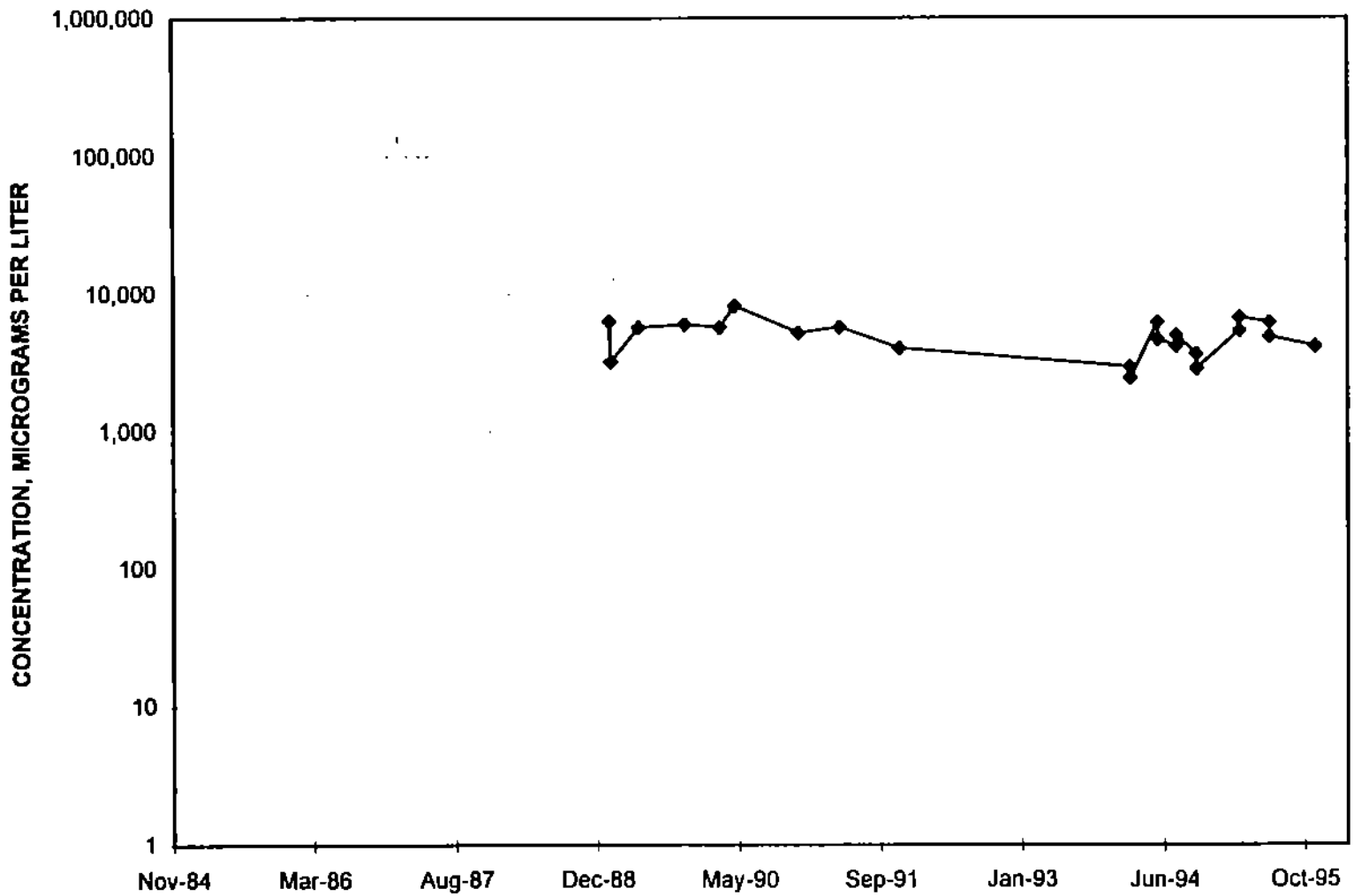

FIGURE G-12. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-12

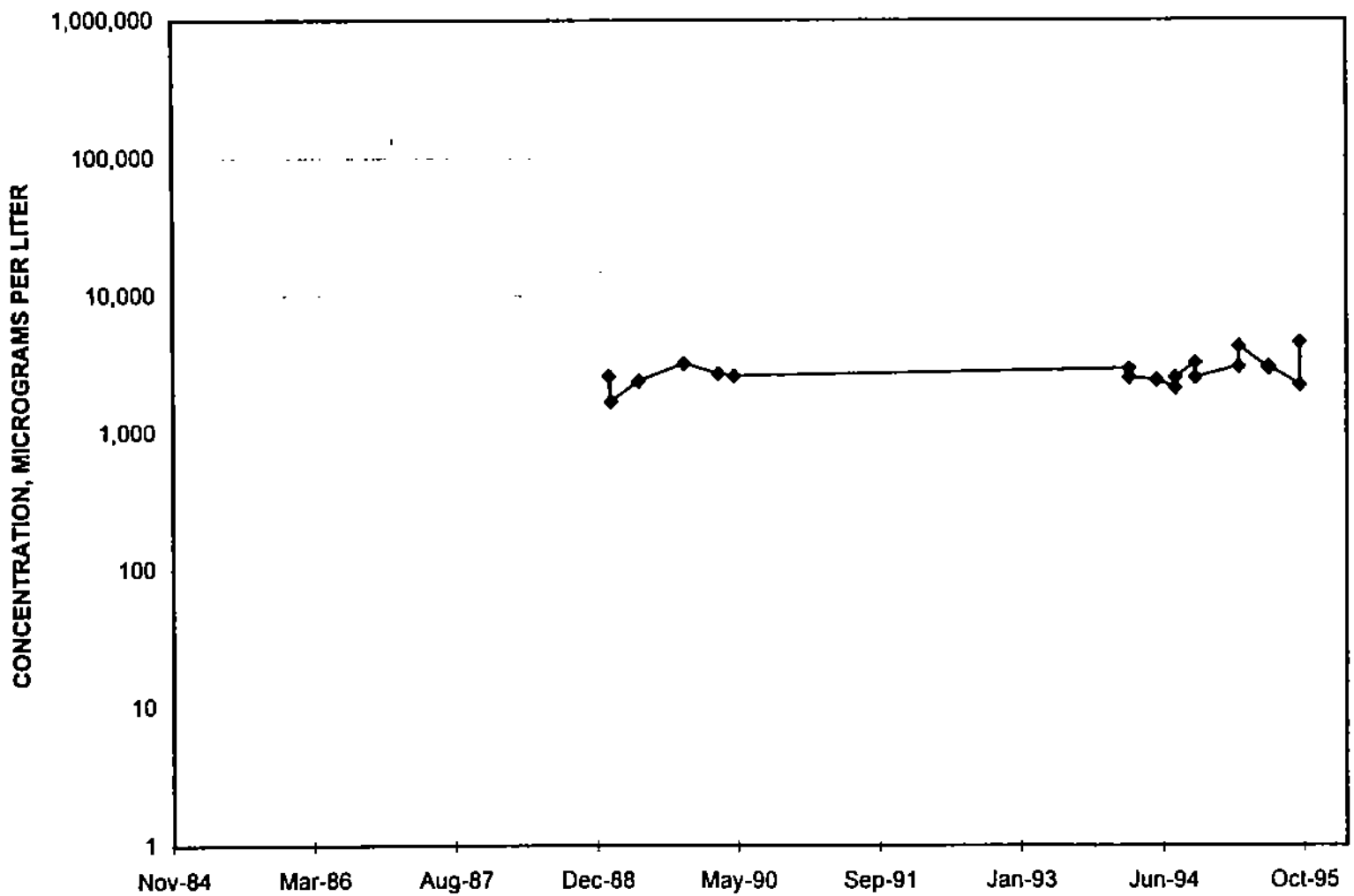

FIGURE G-13. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-13

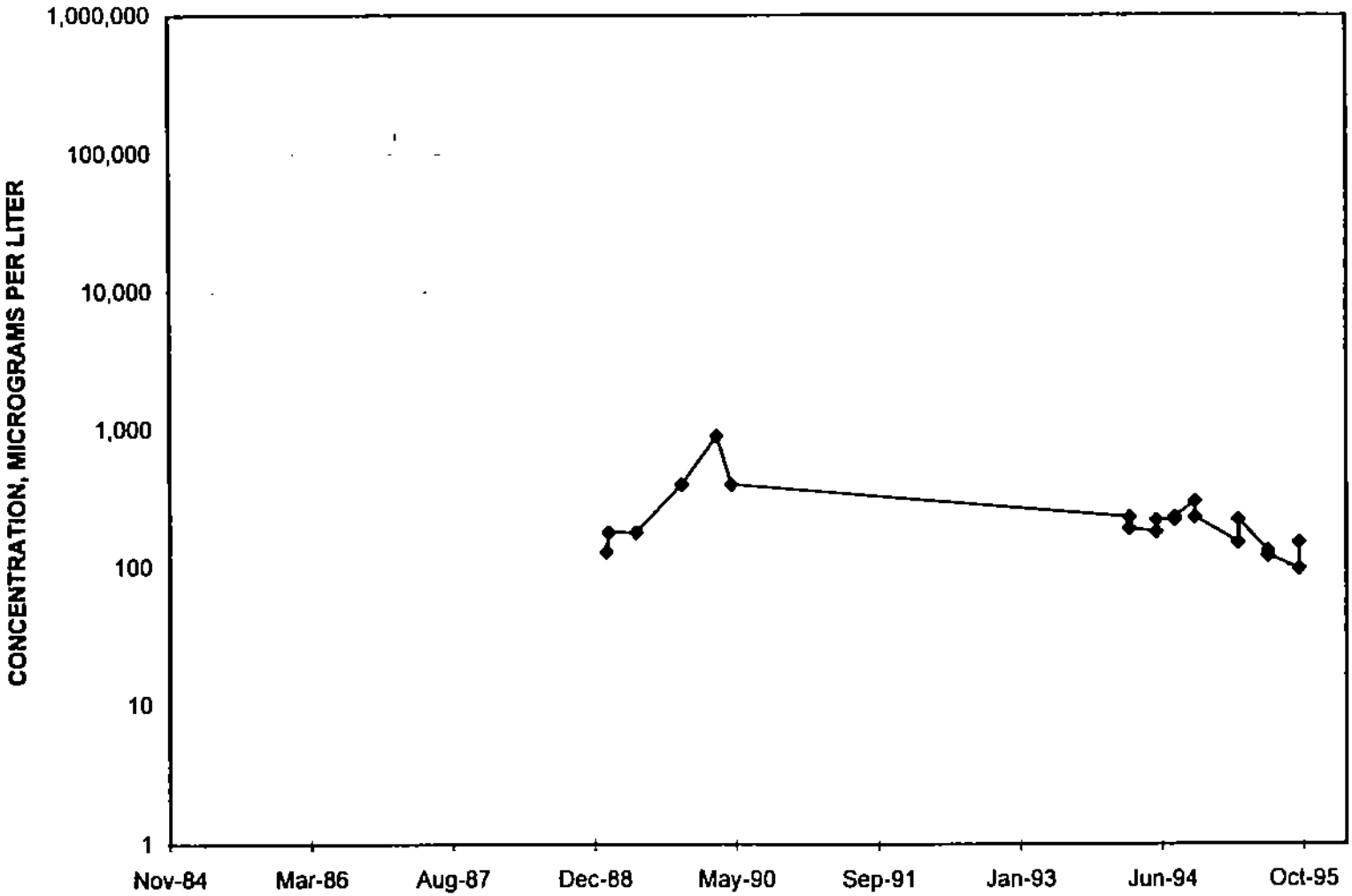

FIGURE G-14. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-14

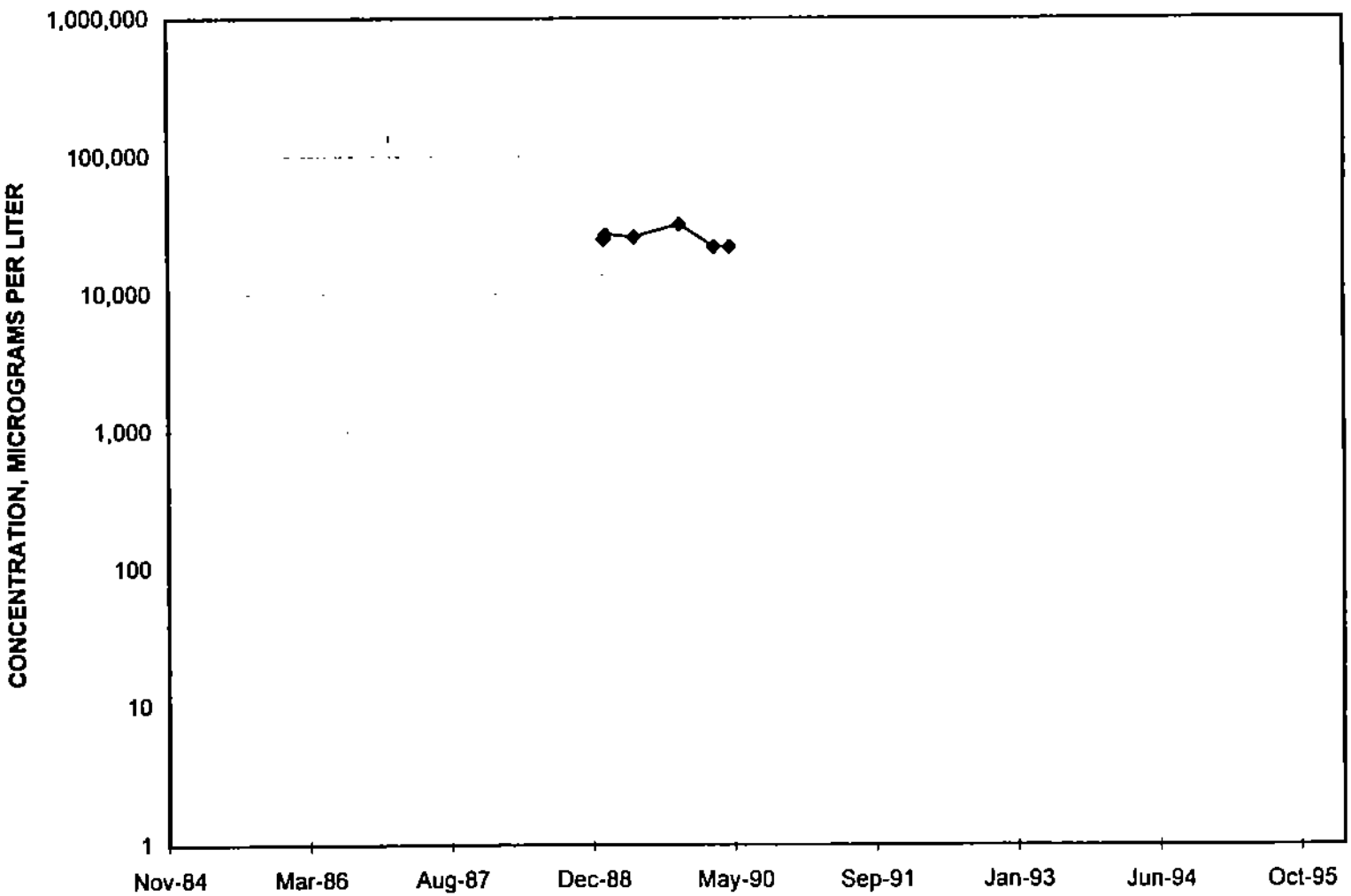

FIGURE G-15. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-15

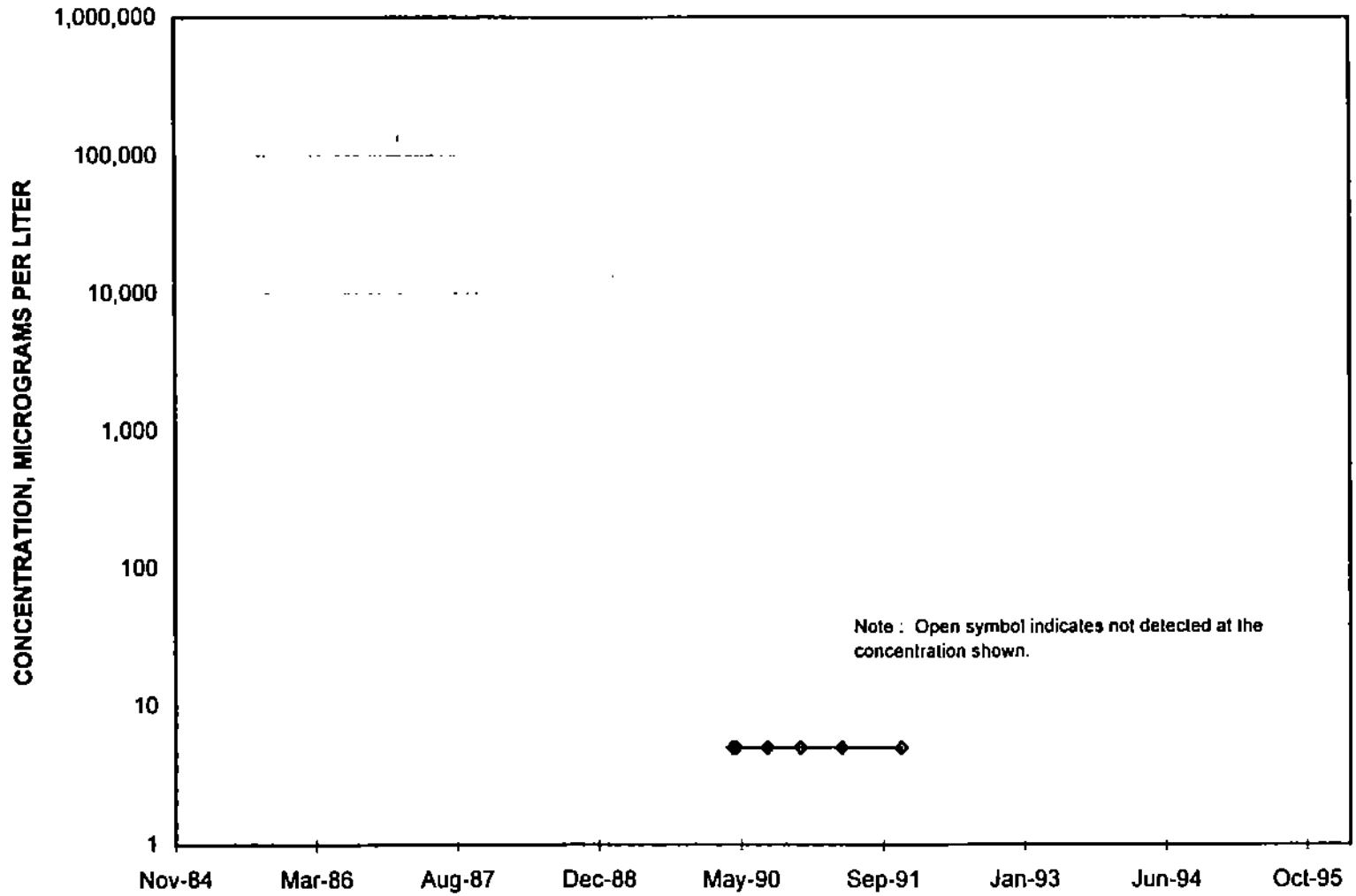

FIGURE G-16. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-16

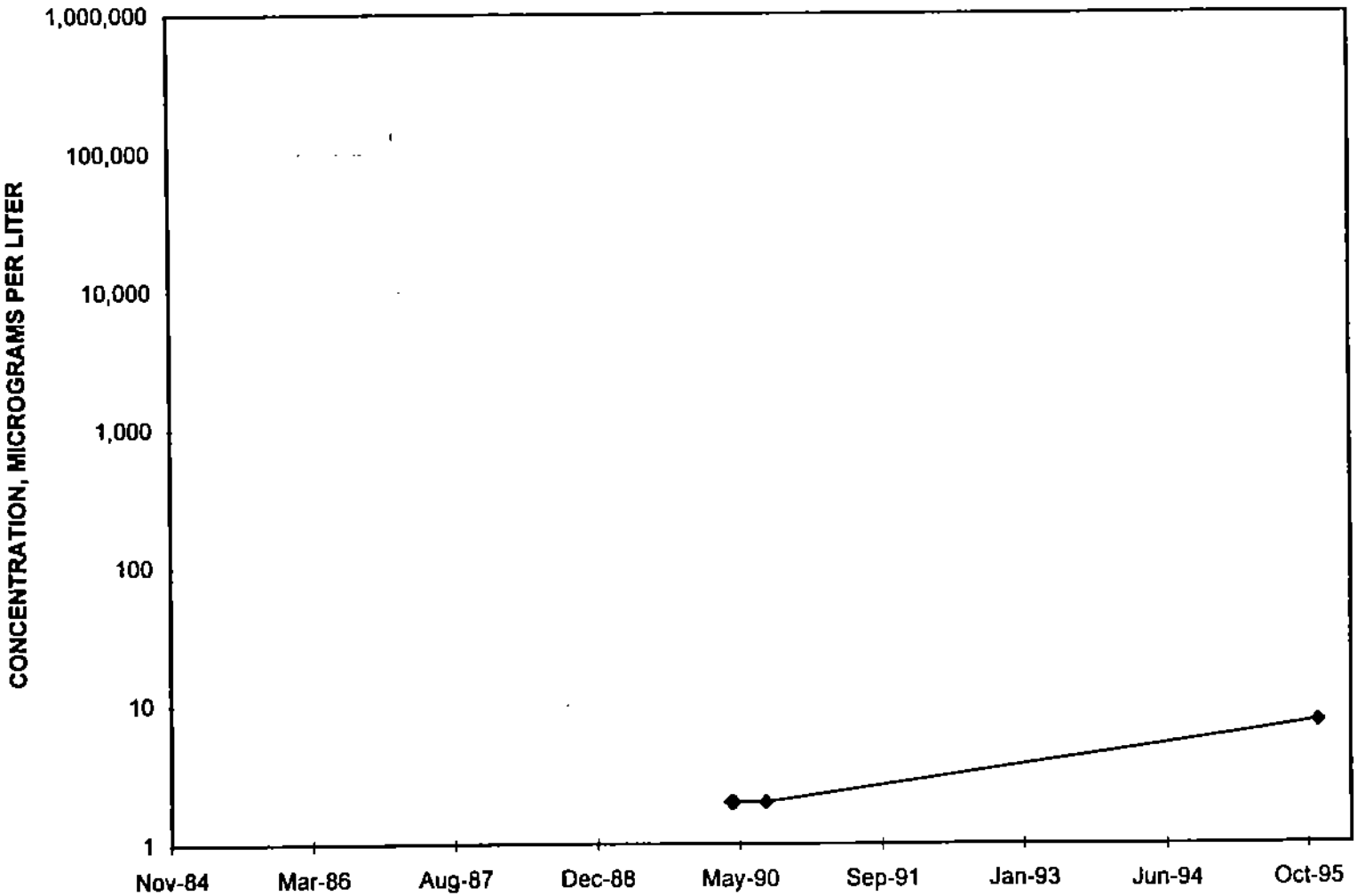

FIGURE G-17. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-17

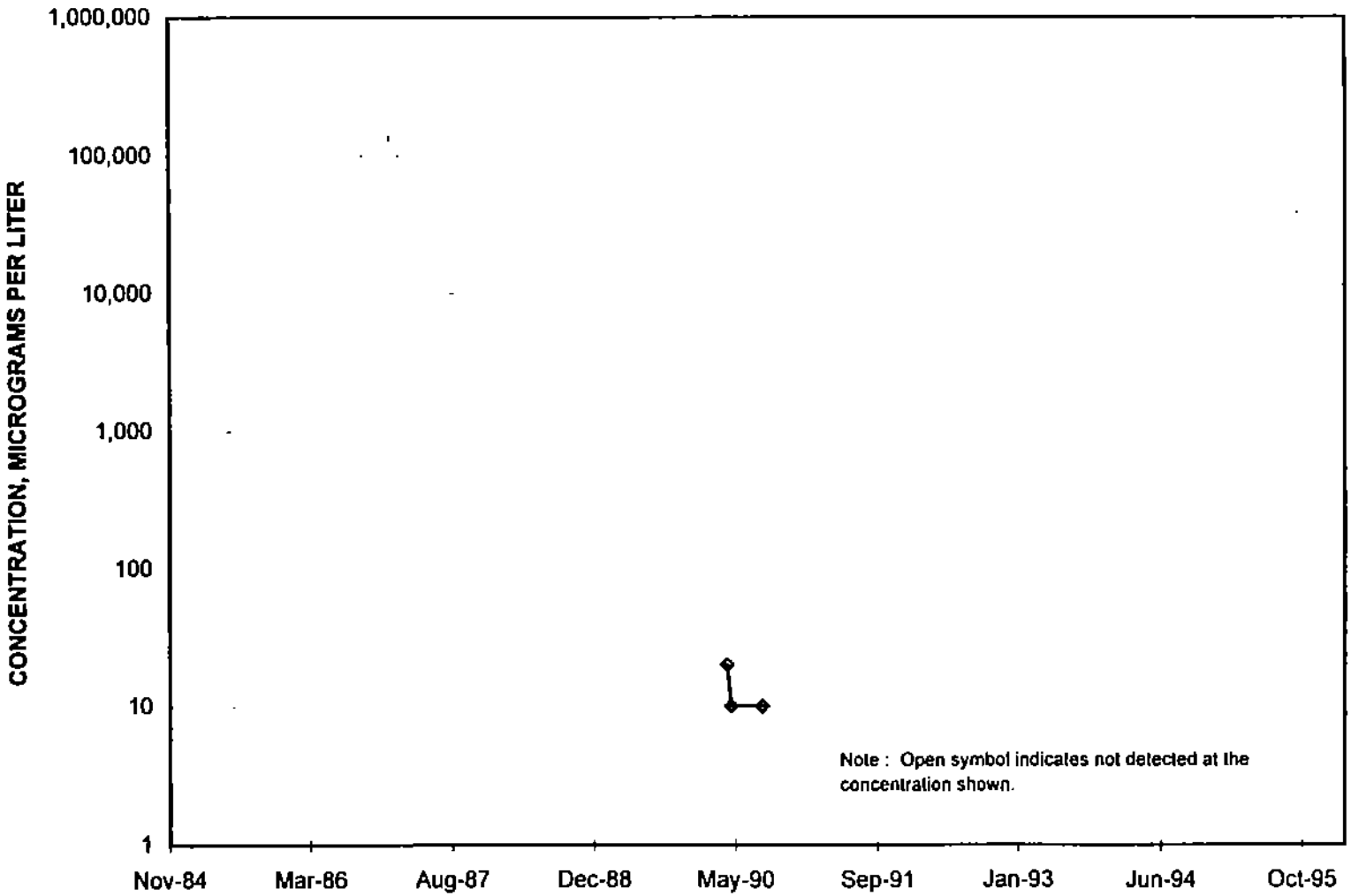

FIGURE G-18. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-18

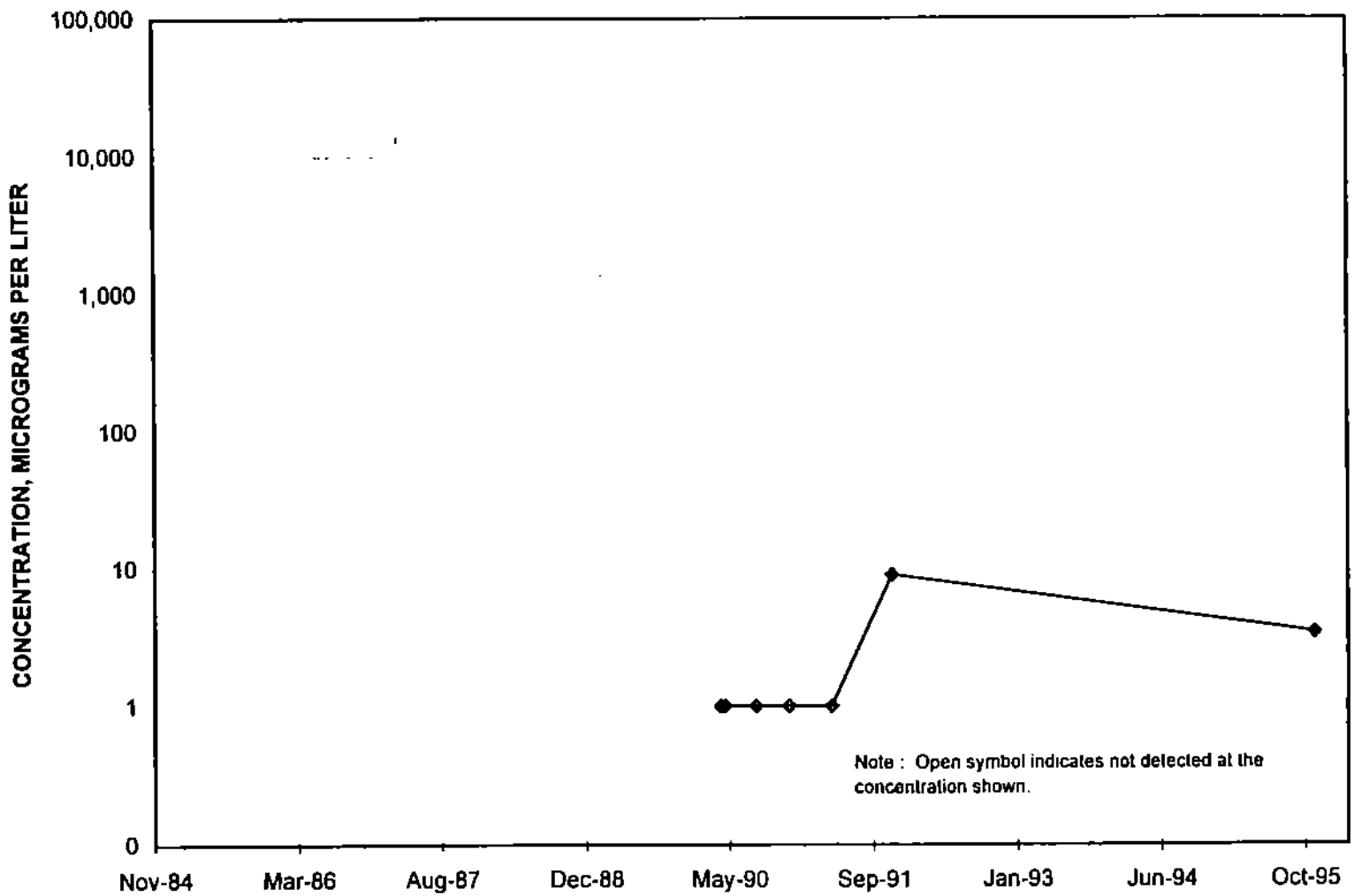

FIGURE G-19. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-19

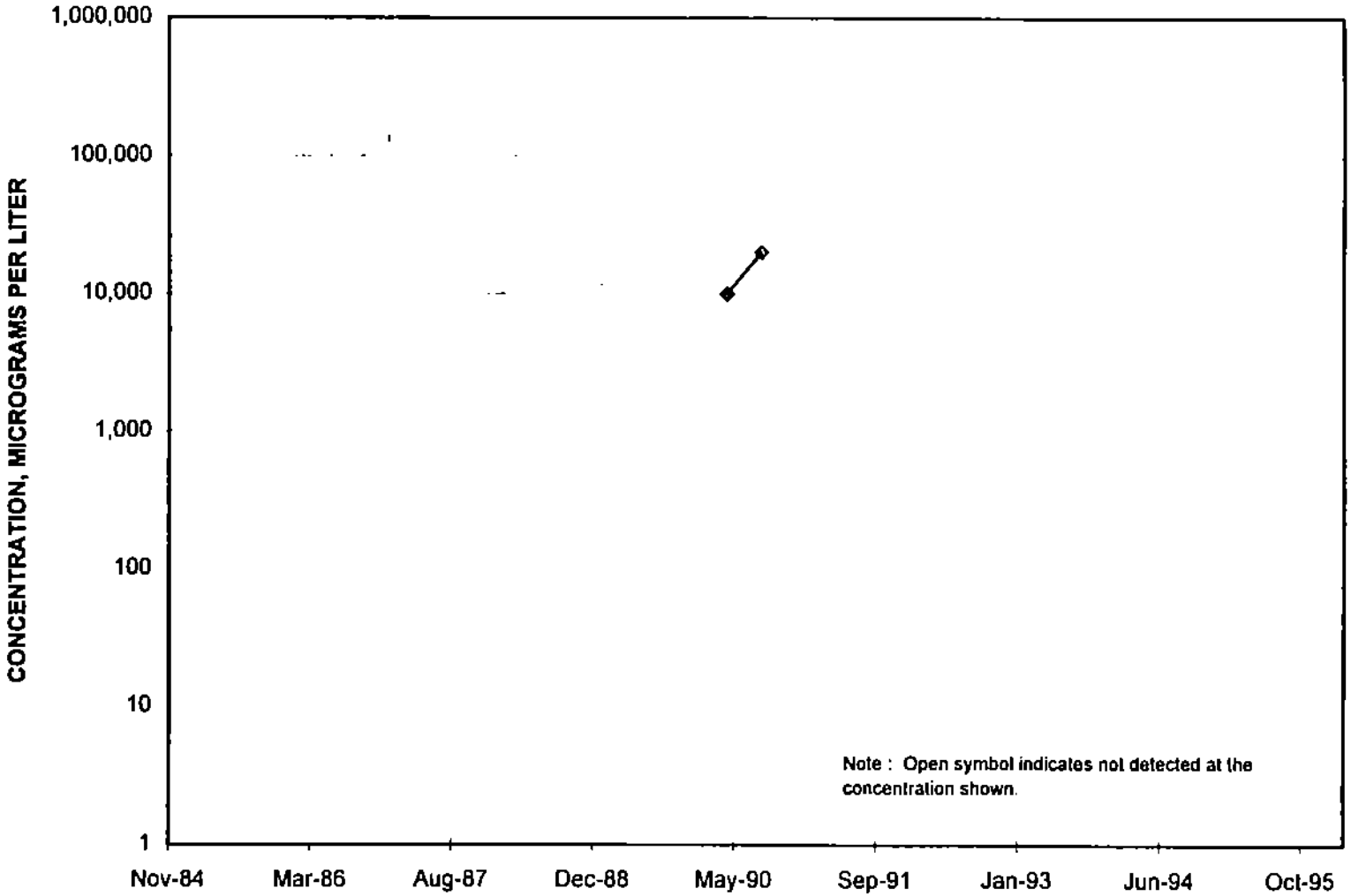

FIGURE G-20. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-20

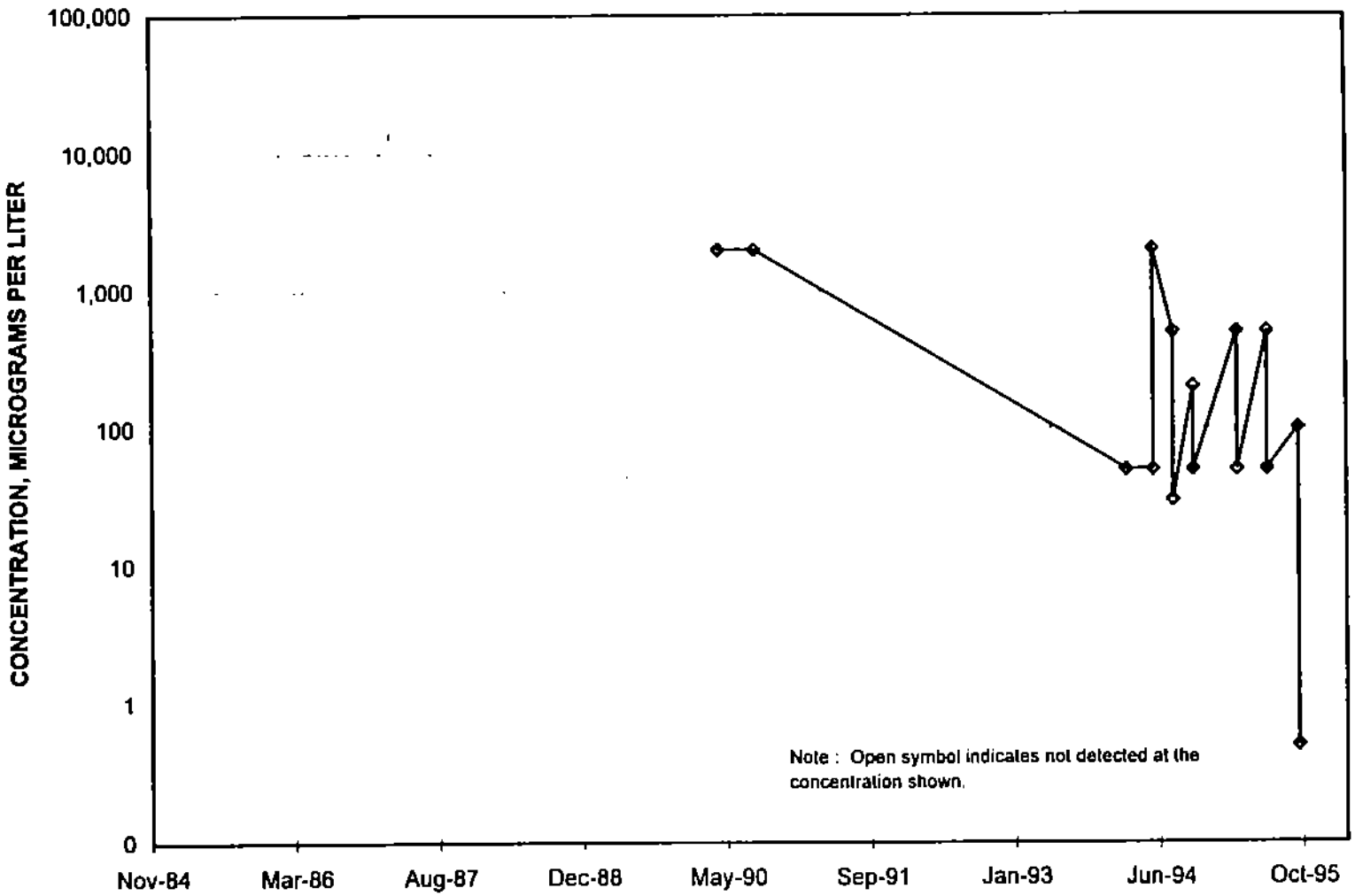

FIGURE G-21. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-21

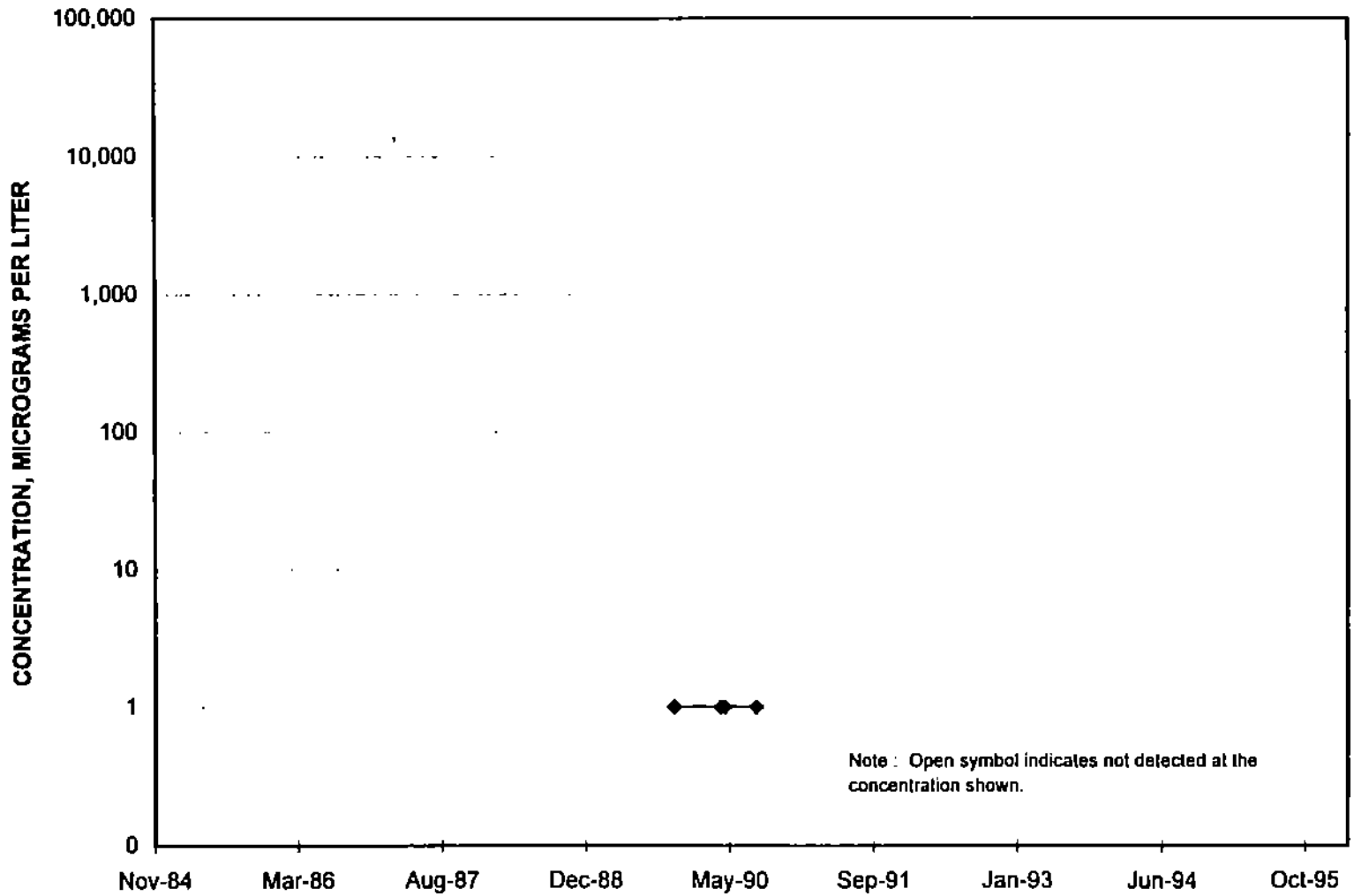

FIGURE G-22. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-22

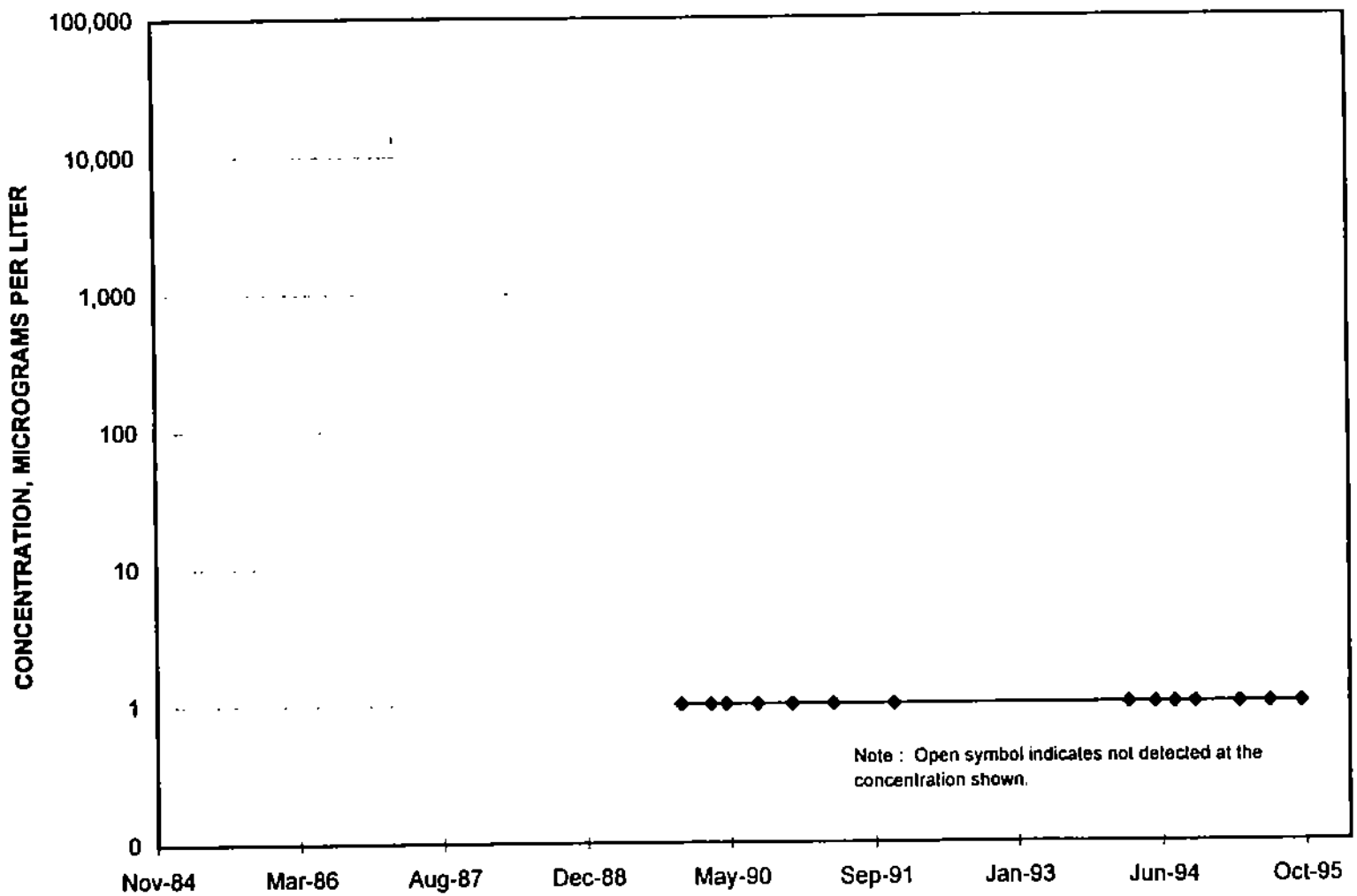

FIGURE G-23. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-23

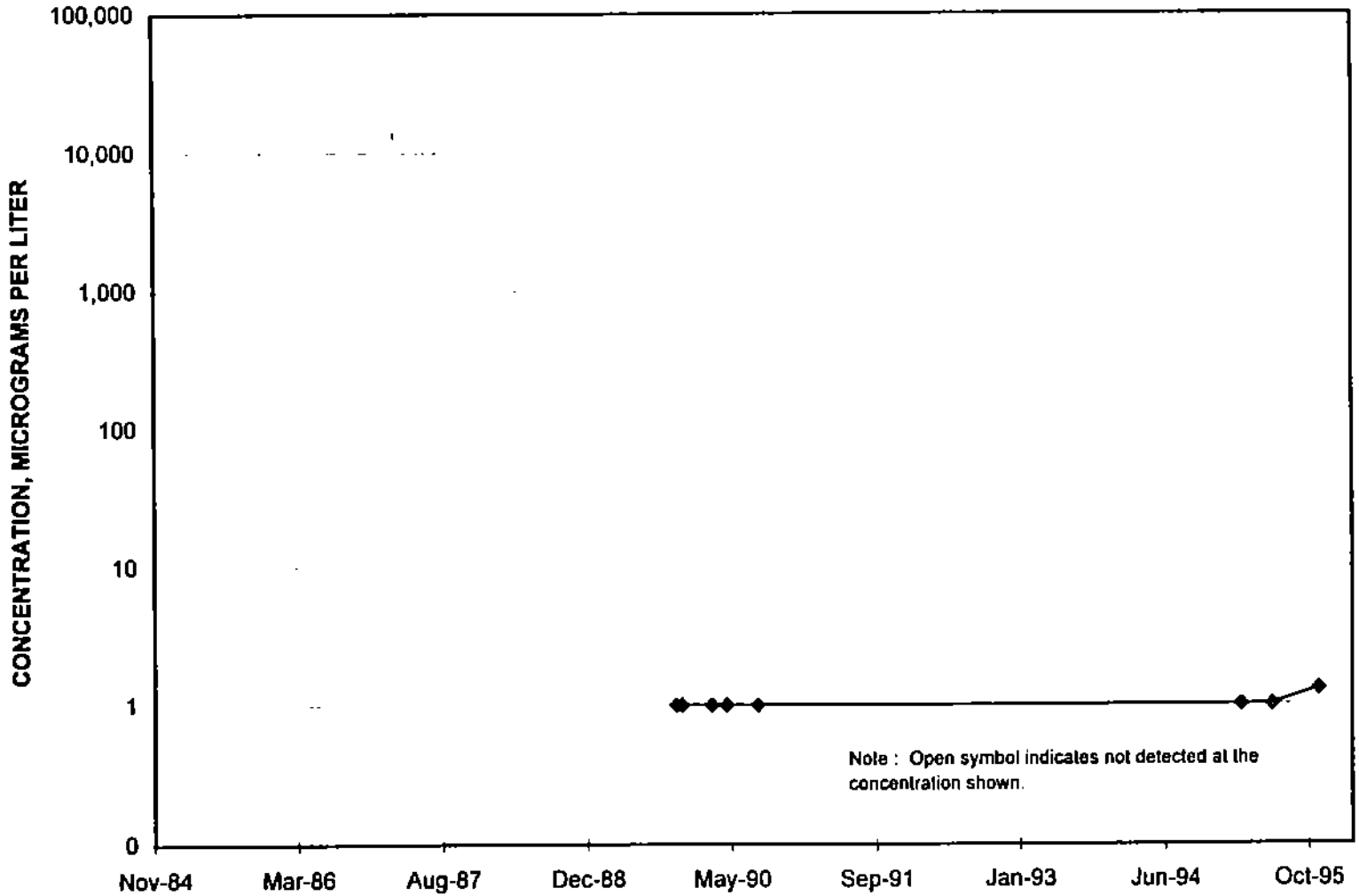

FIGURE G-24. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-24

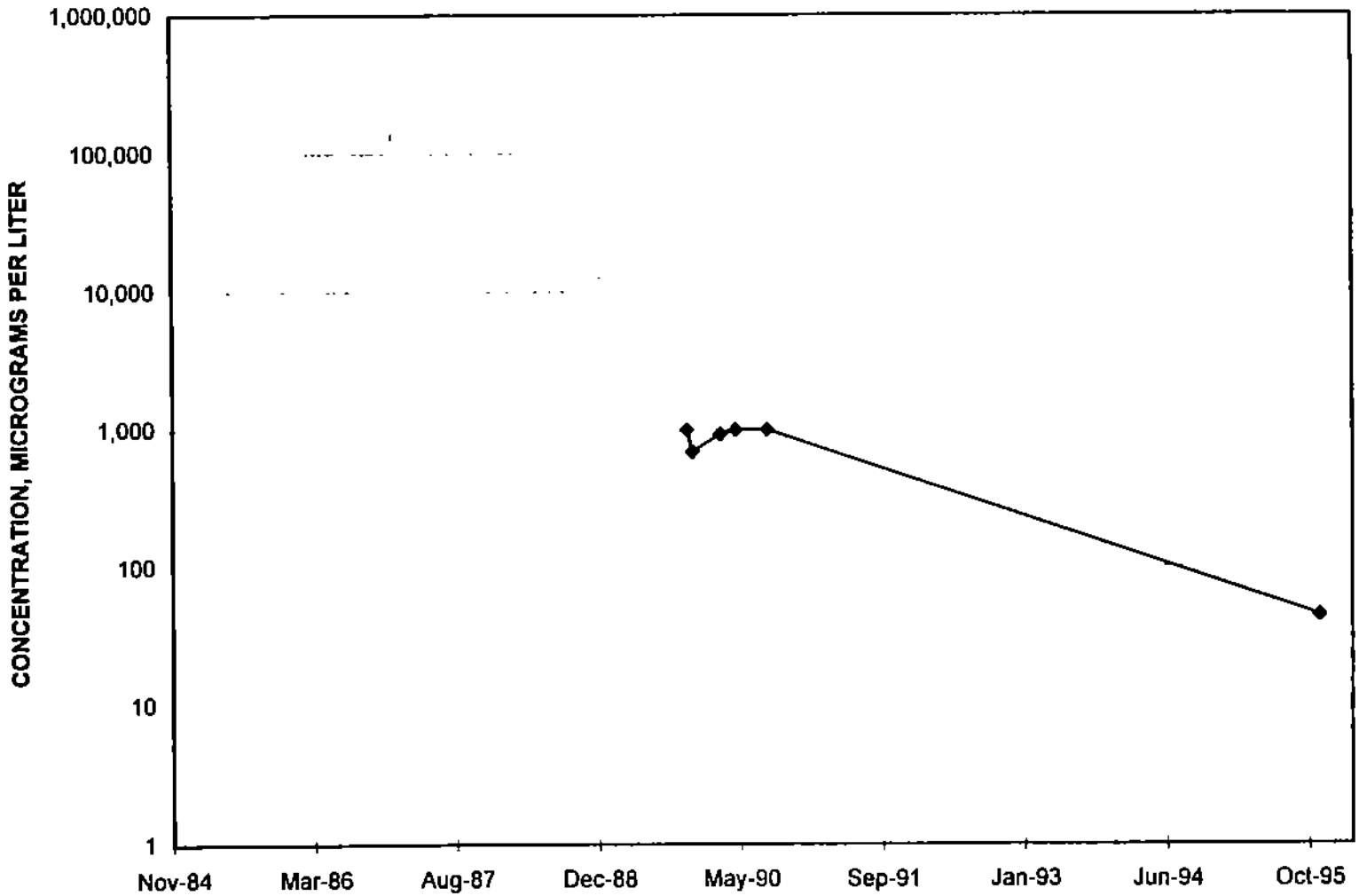

FIGURE G-25. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-25

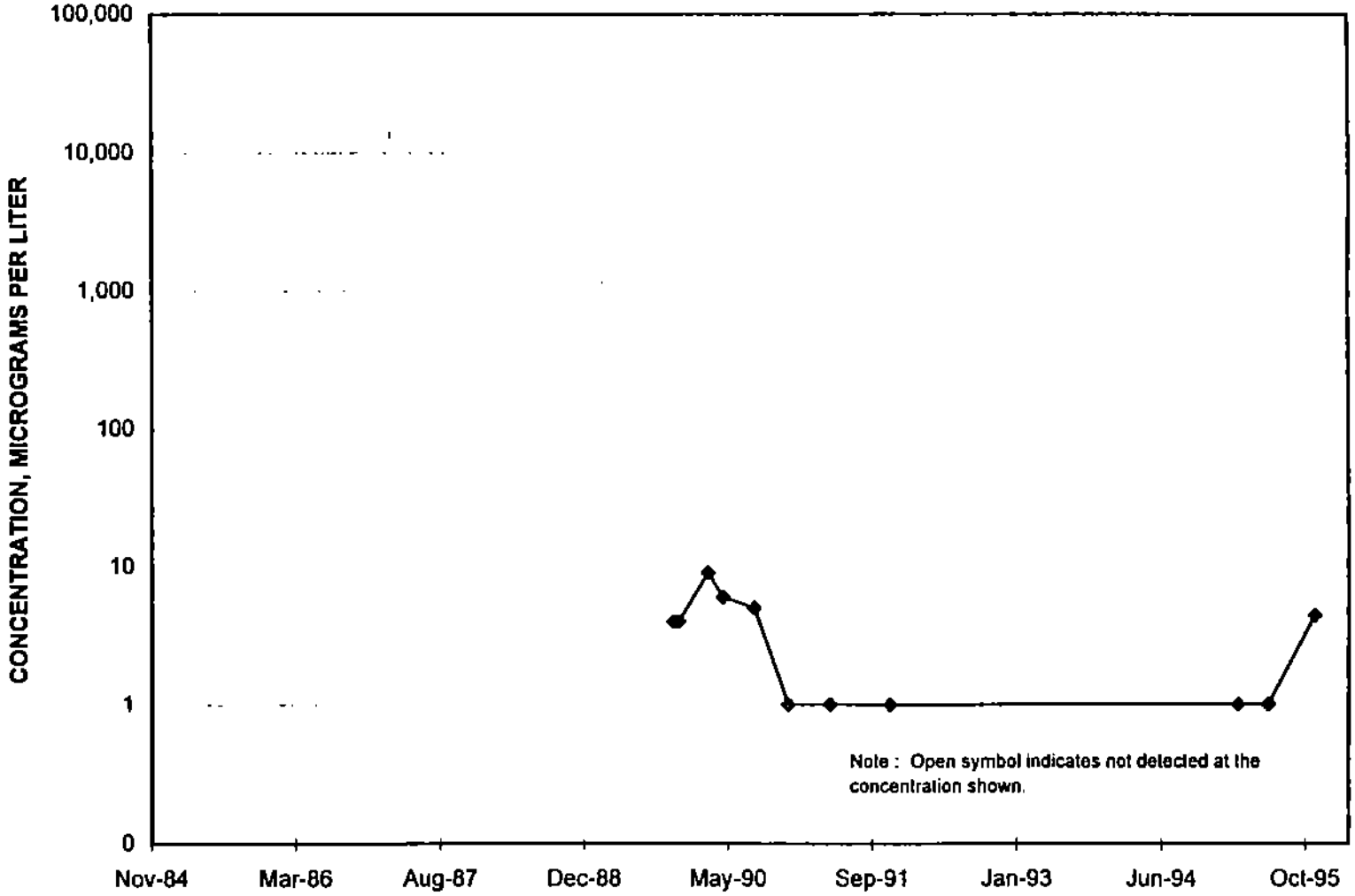

FIGURE G-26. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-26

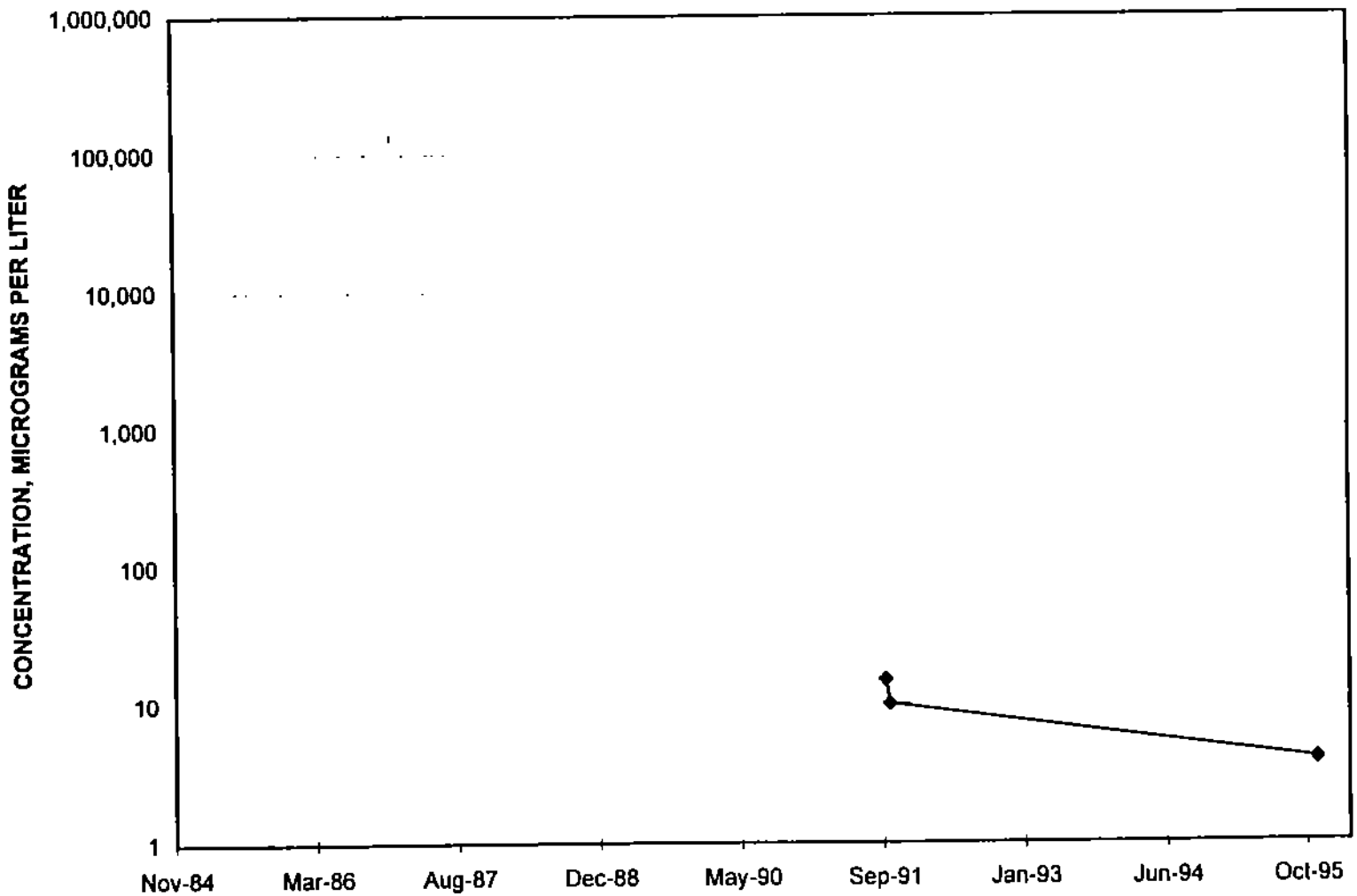

FIGURE G-27. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-27

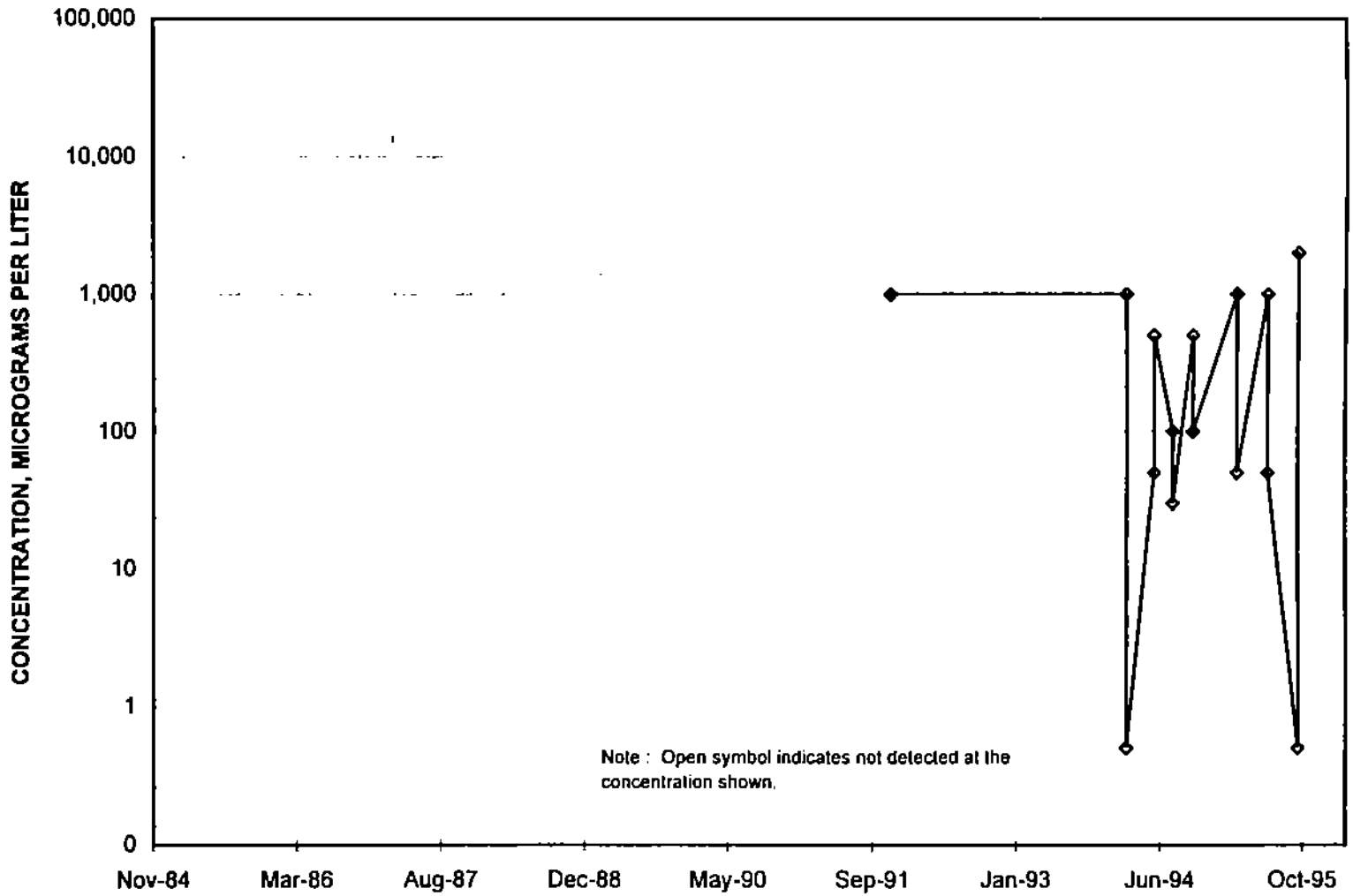

FIGURE G-28. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-28

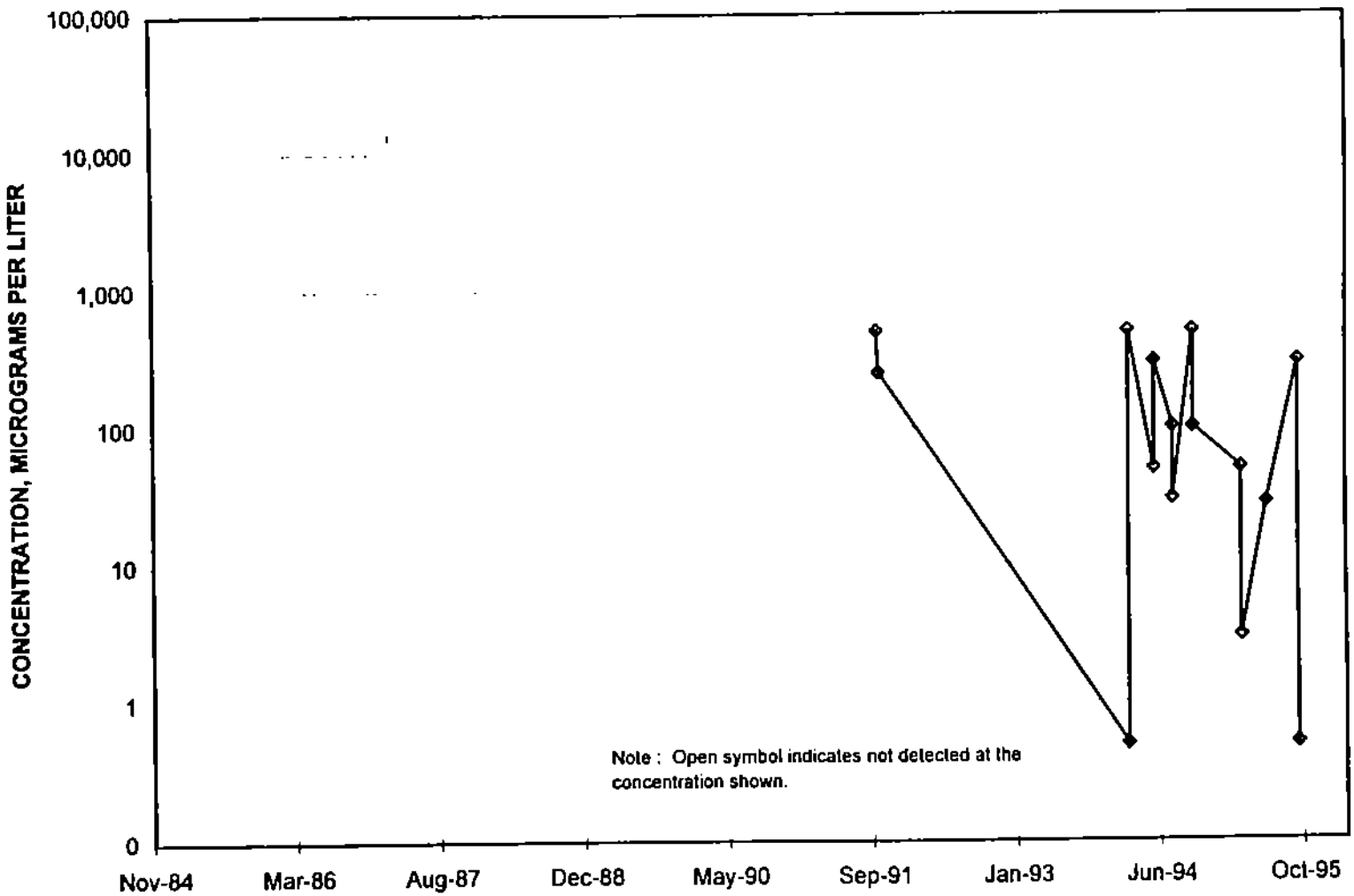

FIGURE G-29. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-29

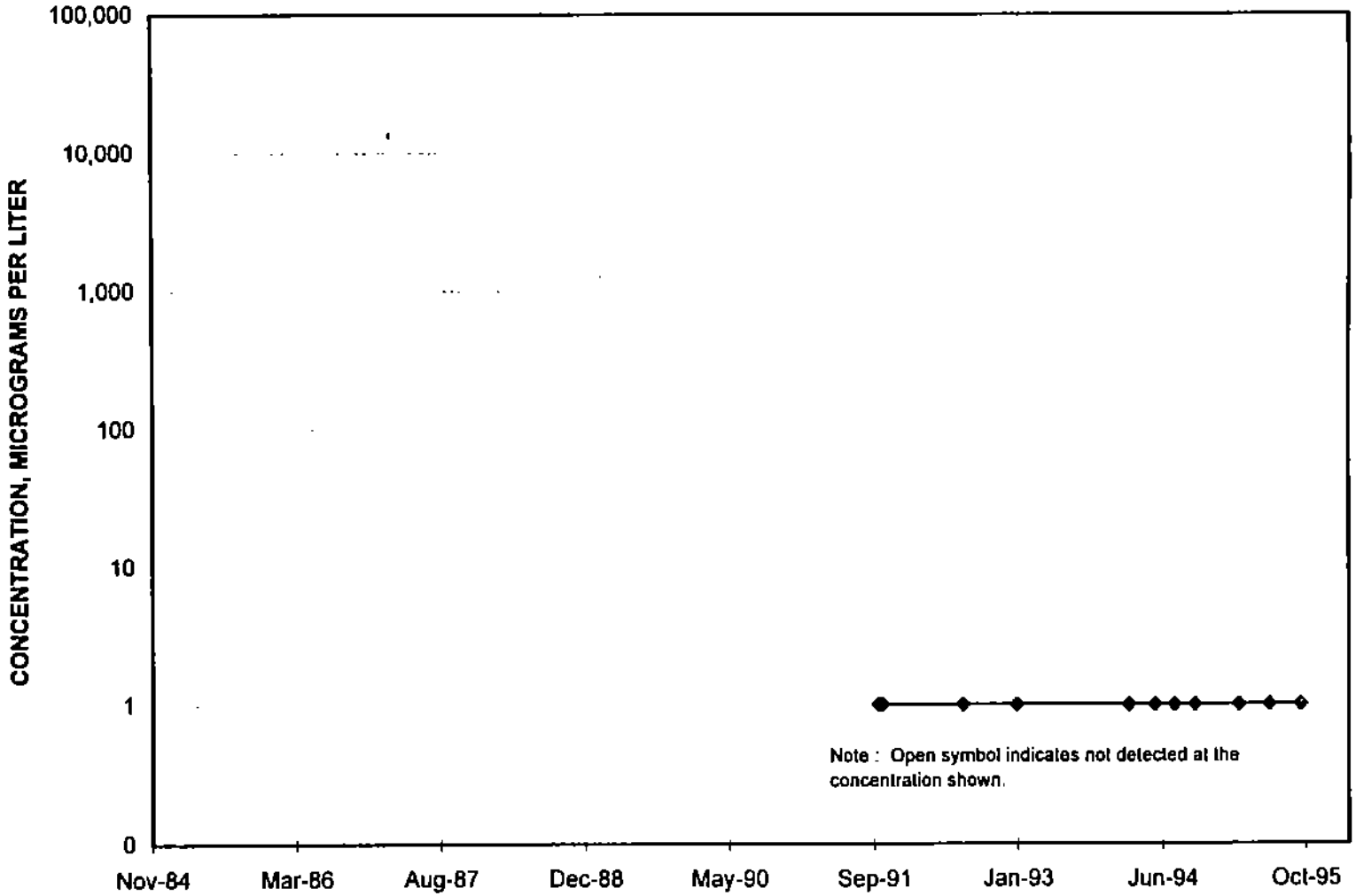

FIGURE G-30. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL MW-30

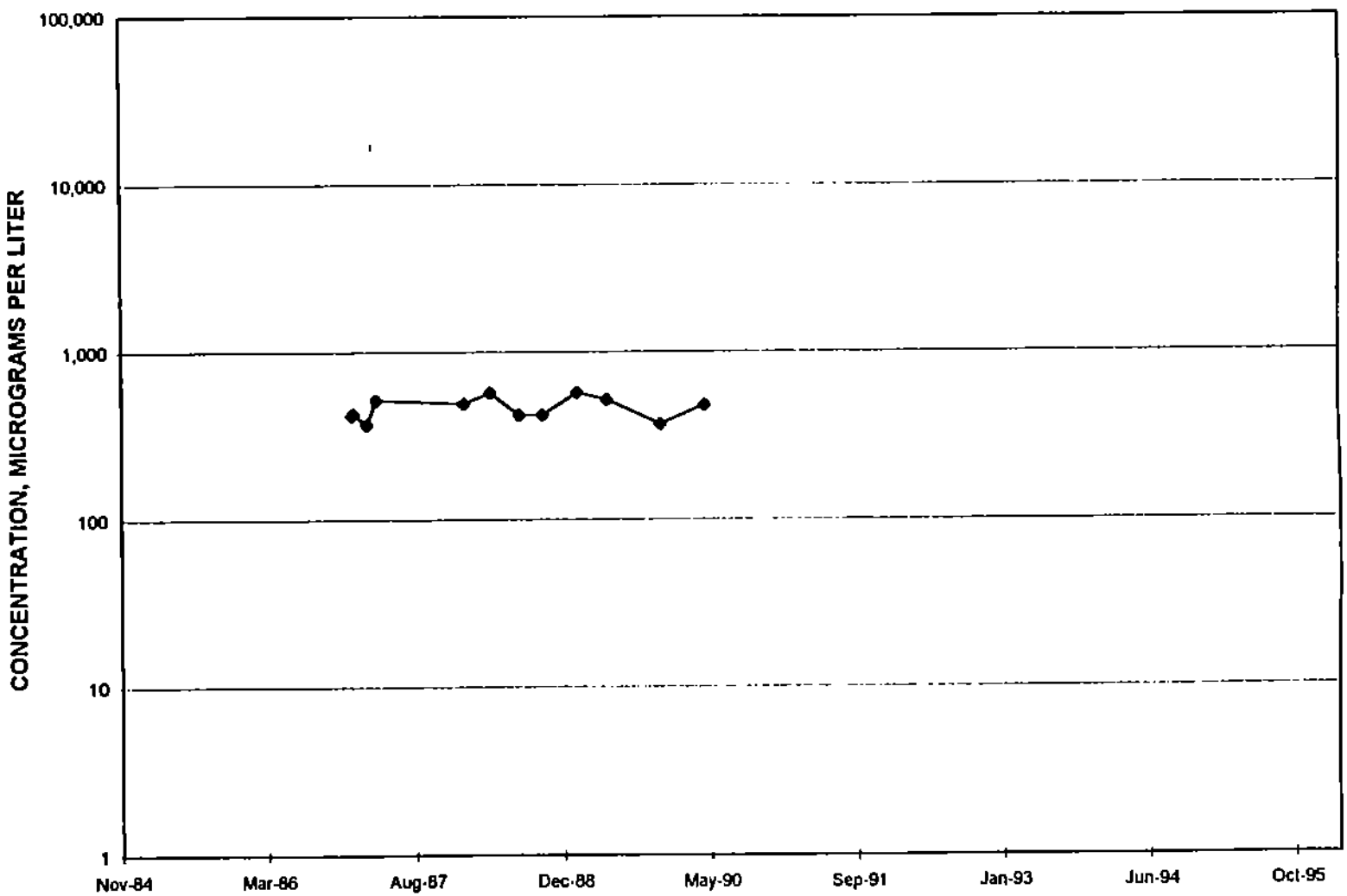

FIGURE G-31. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-01

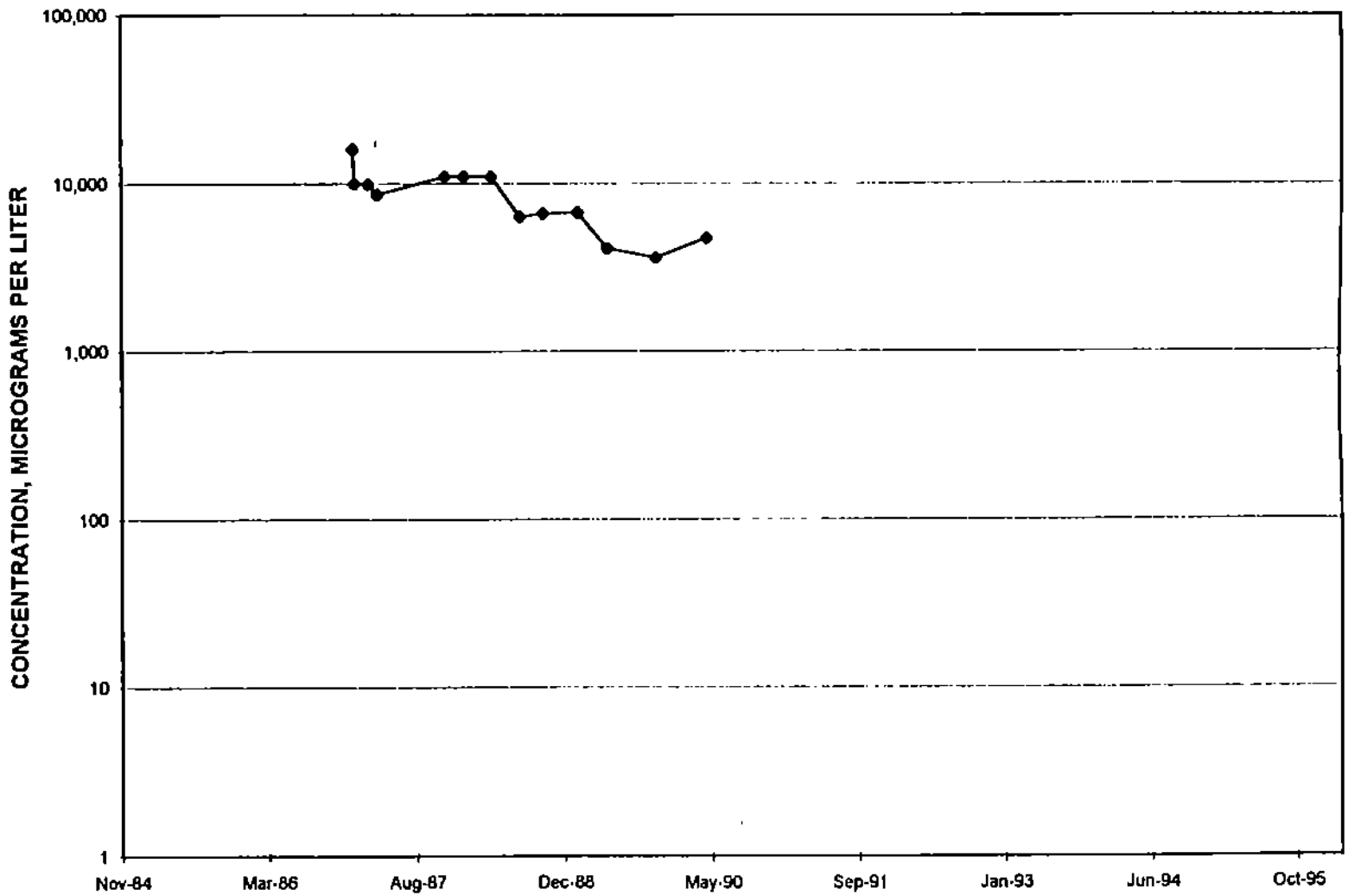

FIGURE G-32. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-02

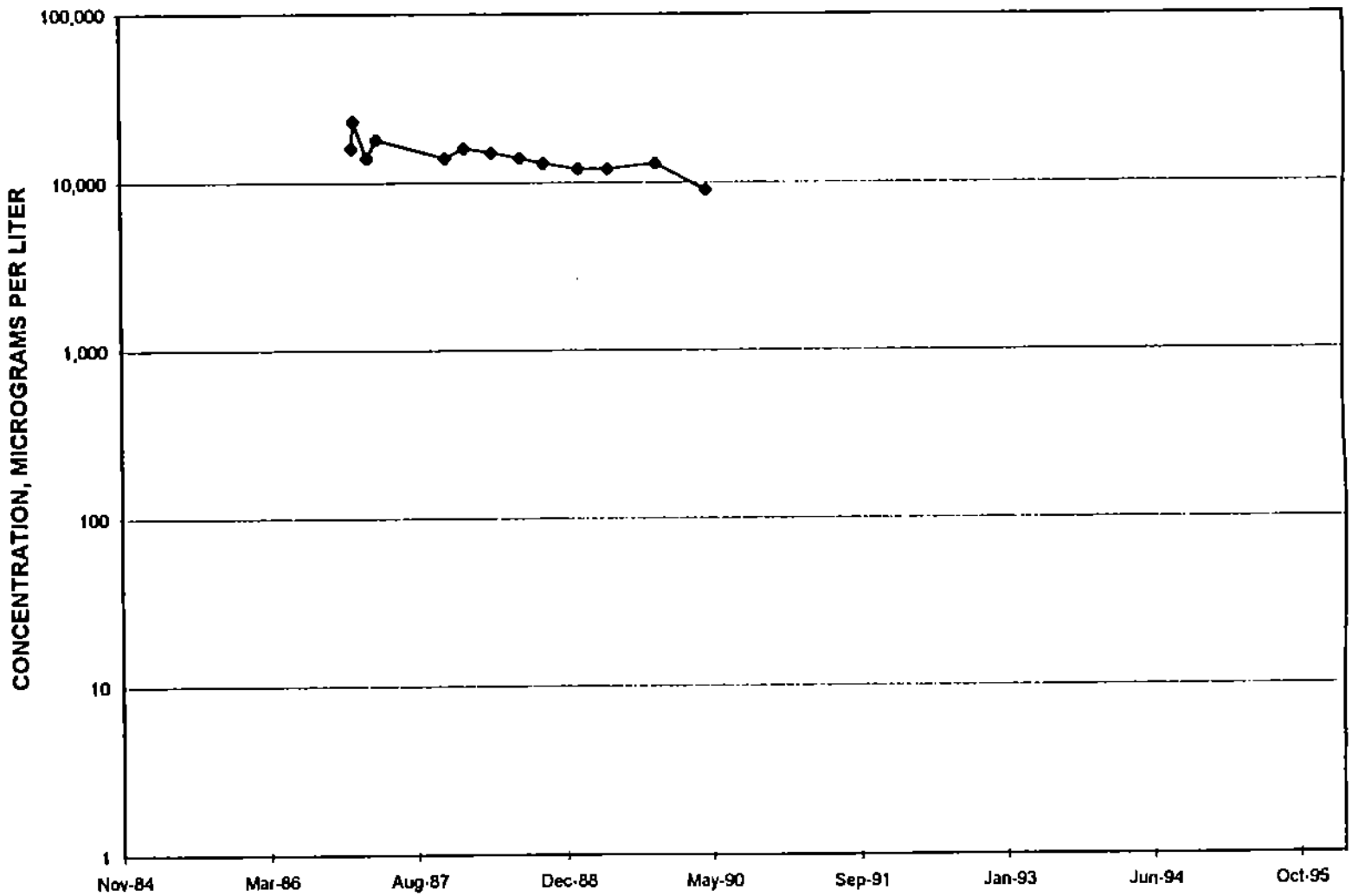

FIGURE G-33. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-03

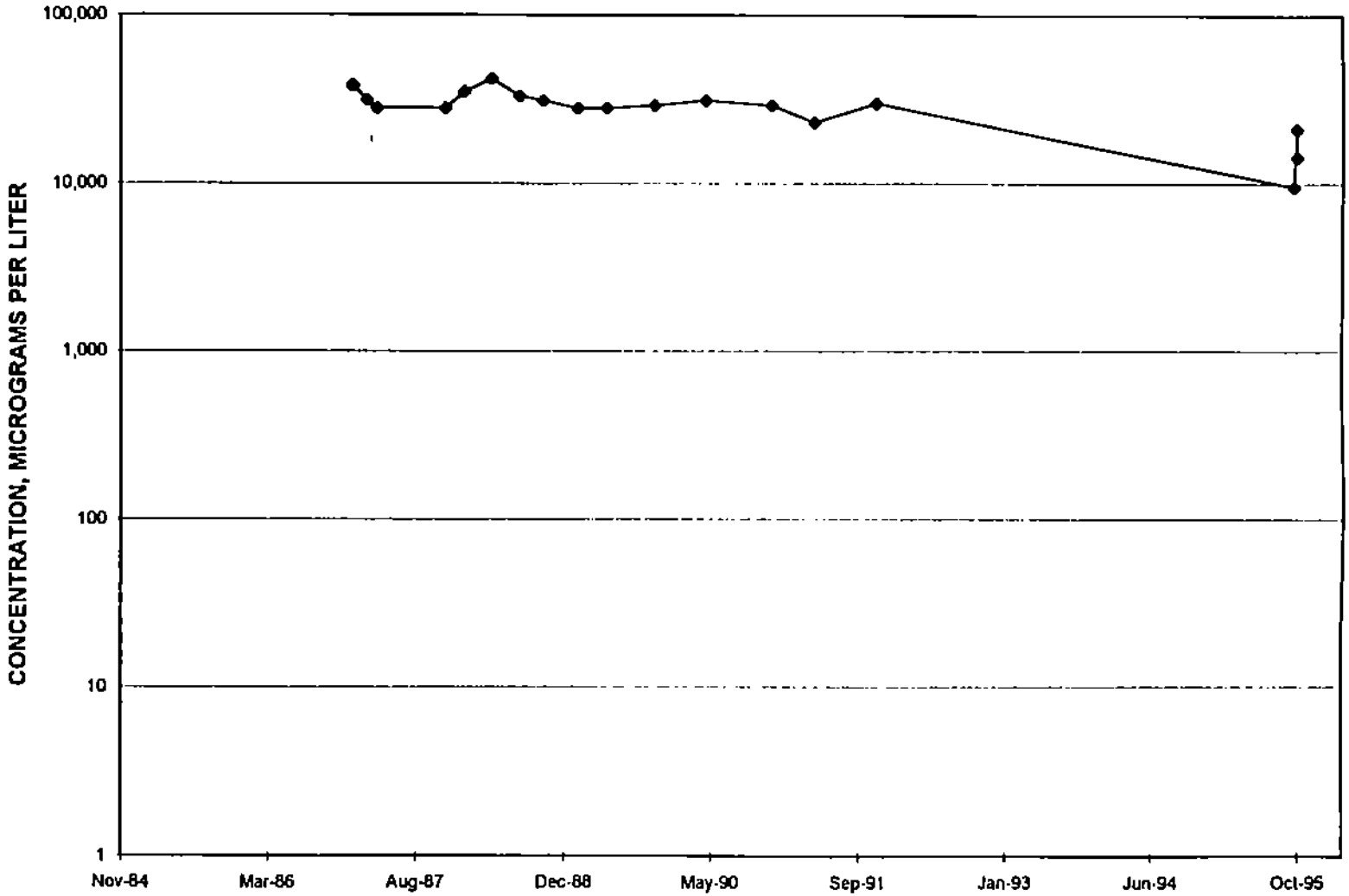

FIGURE G-34. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-04

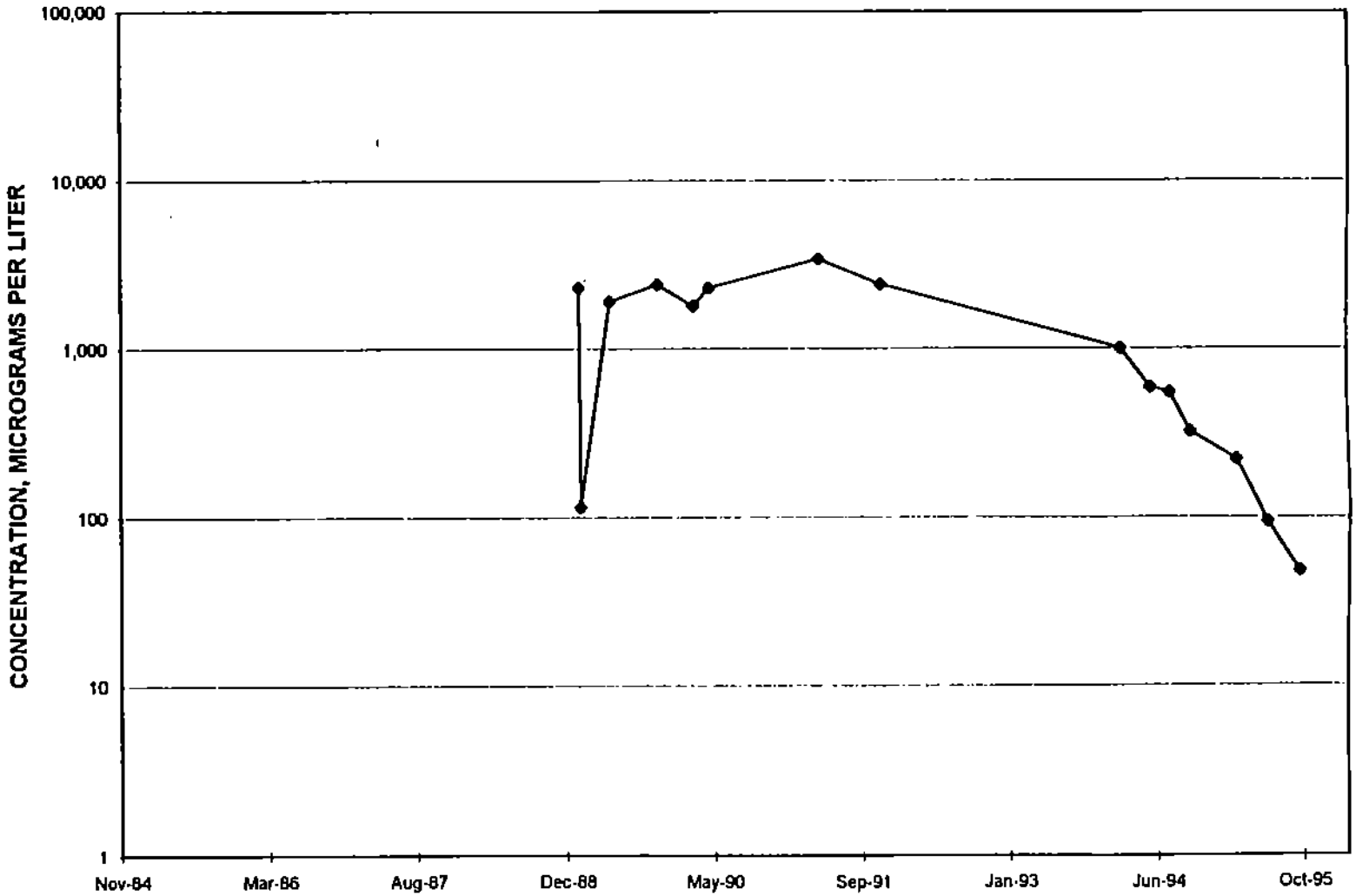

FIGURE G-35. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-05

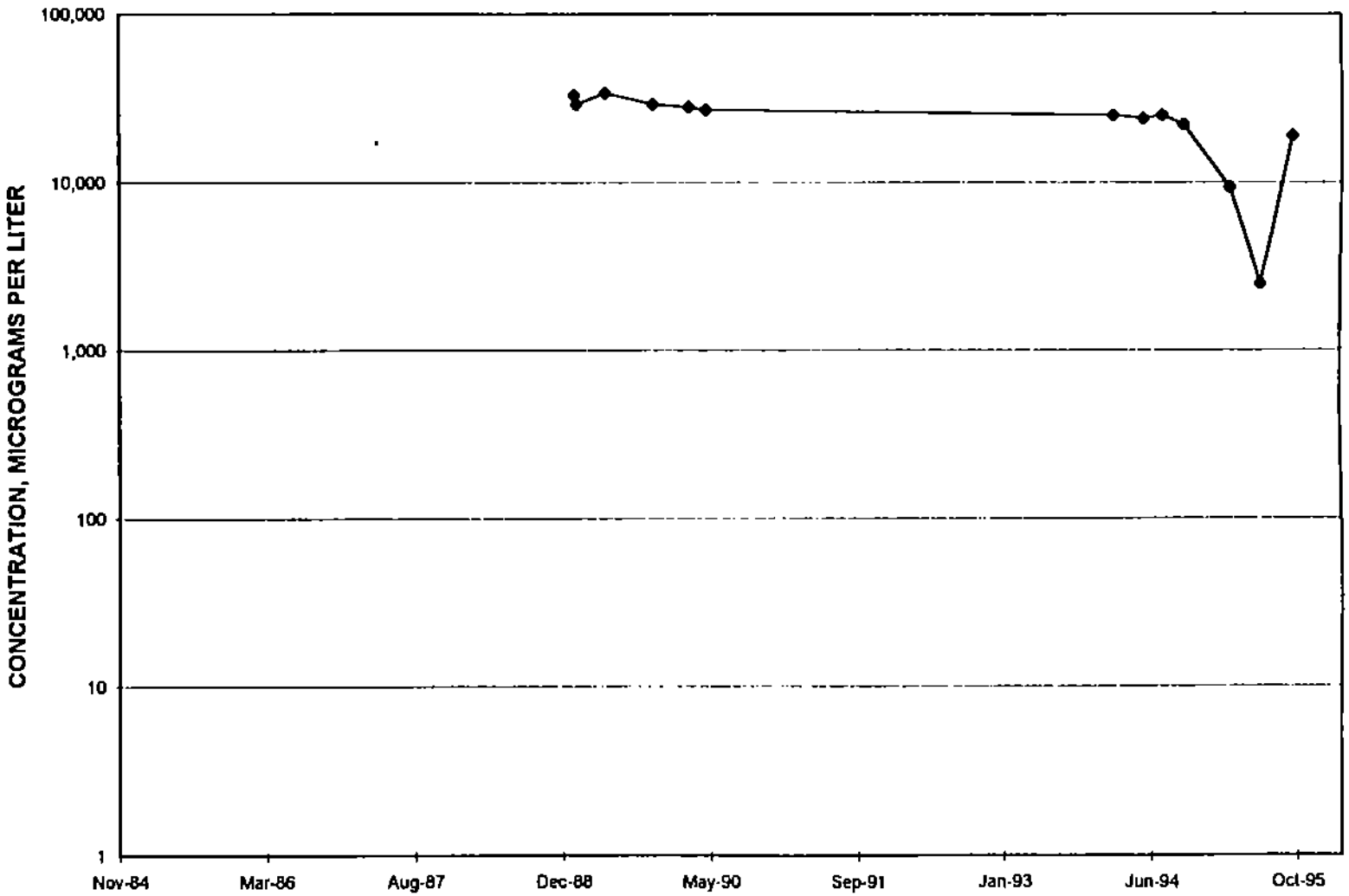

FIGURE G-36. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-06

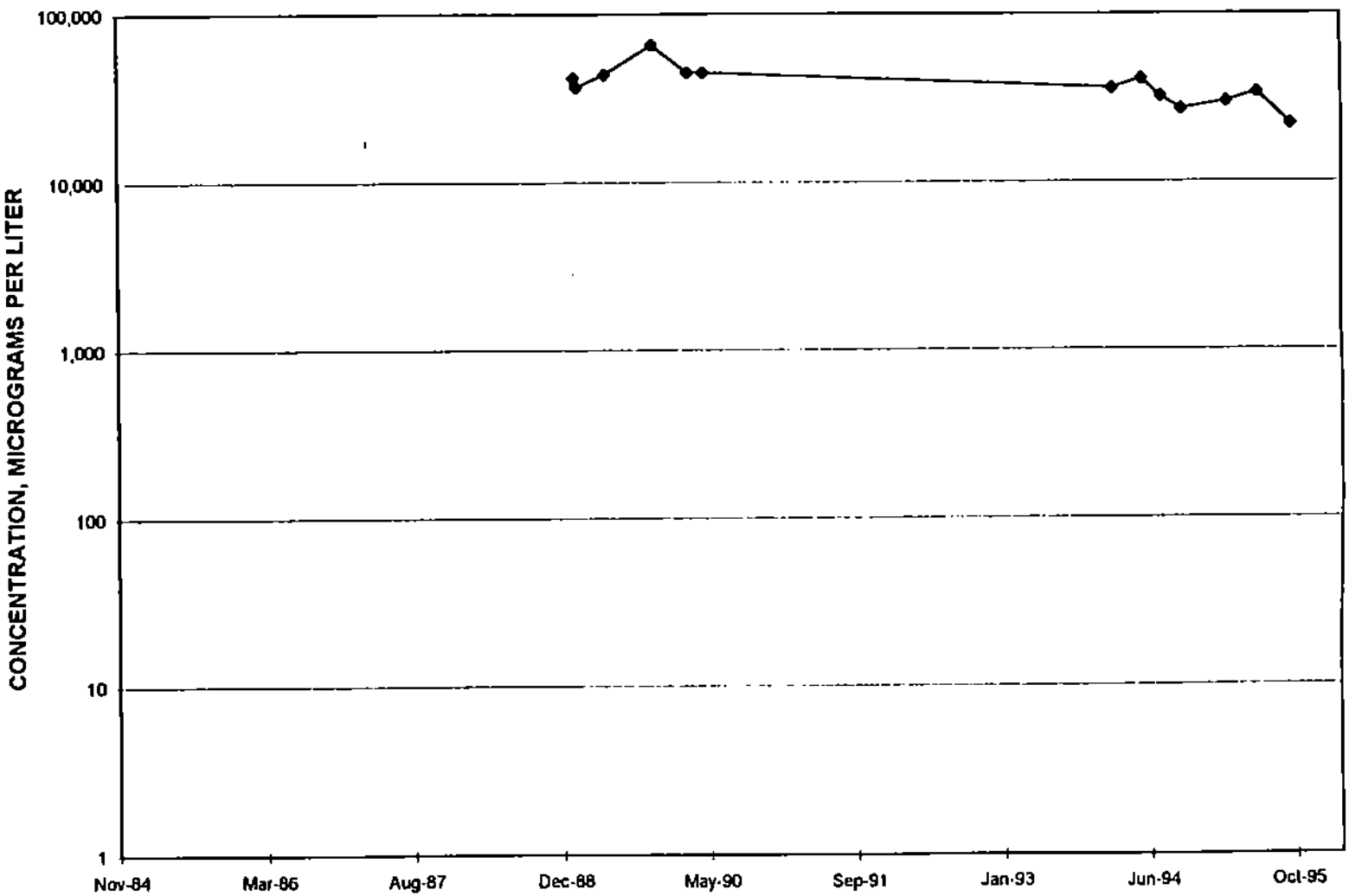

FIGURE G-37. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-07

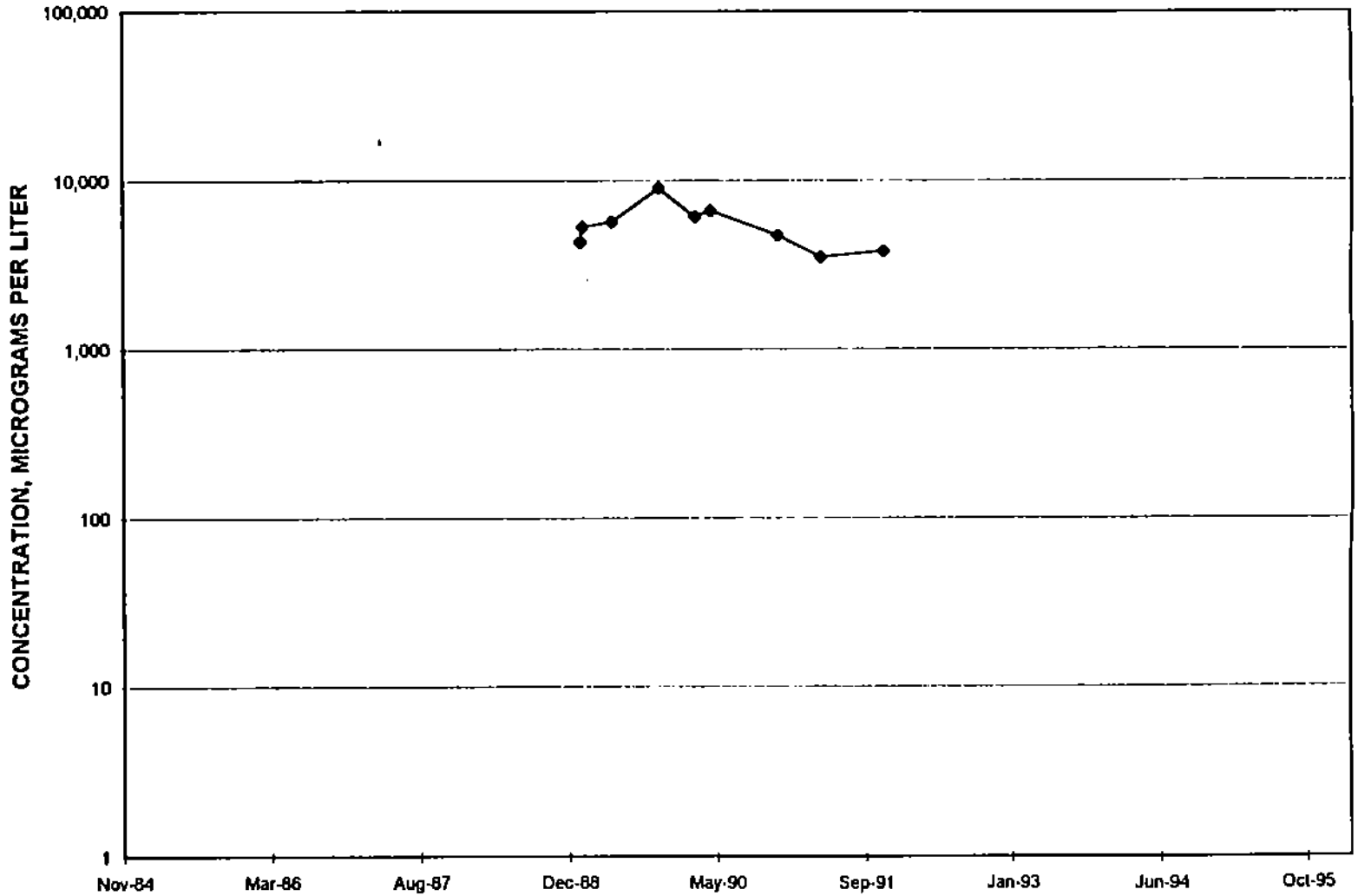

FIGURE G-38. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-08

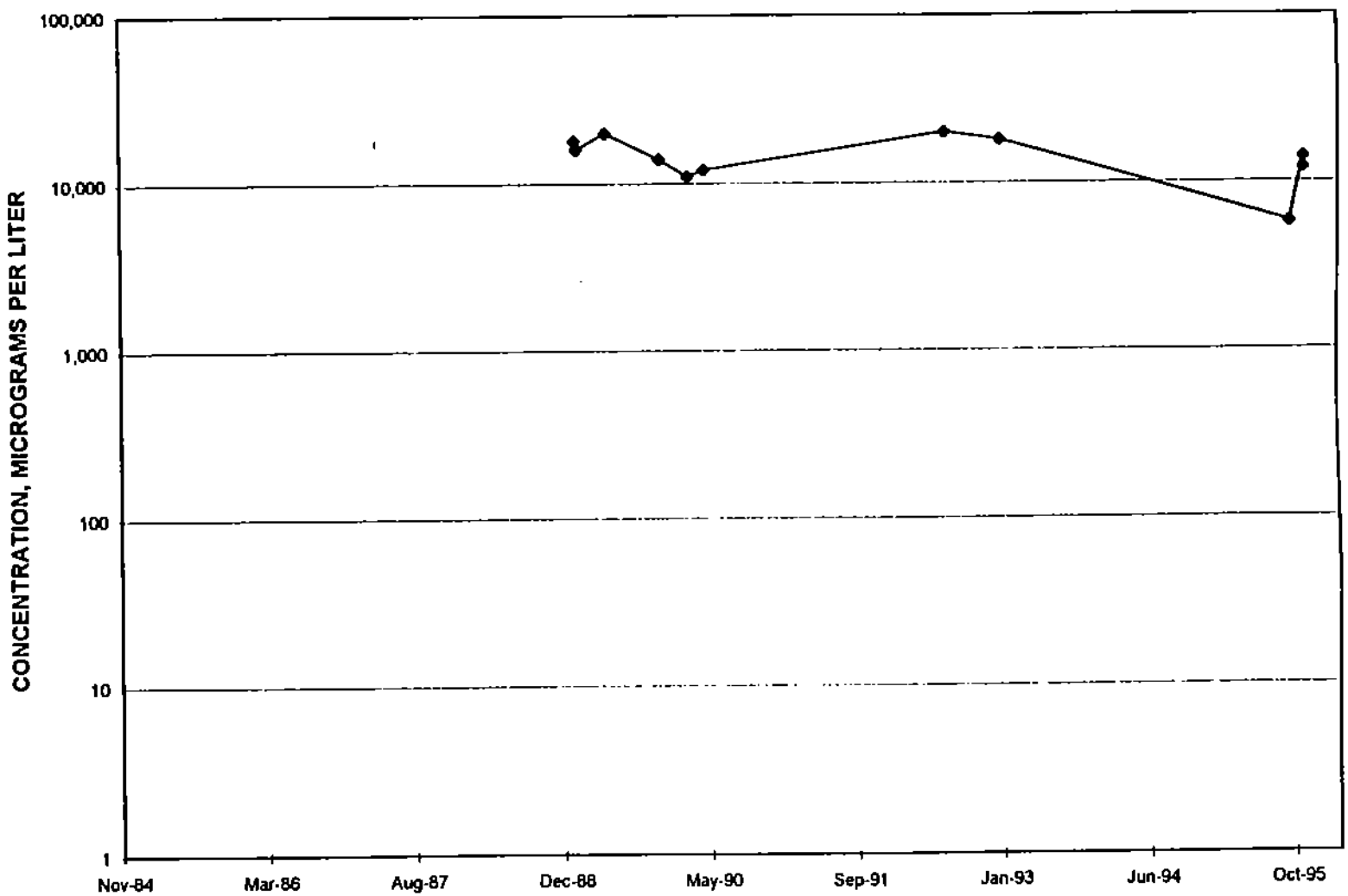

FIGURE G-39. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-09

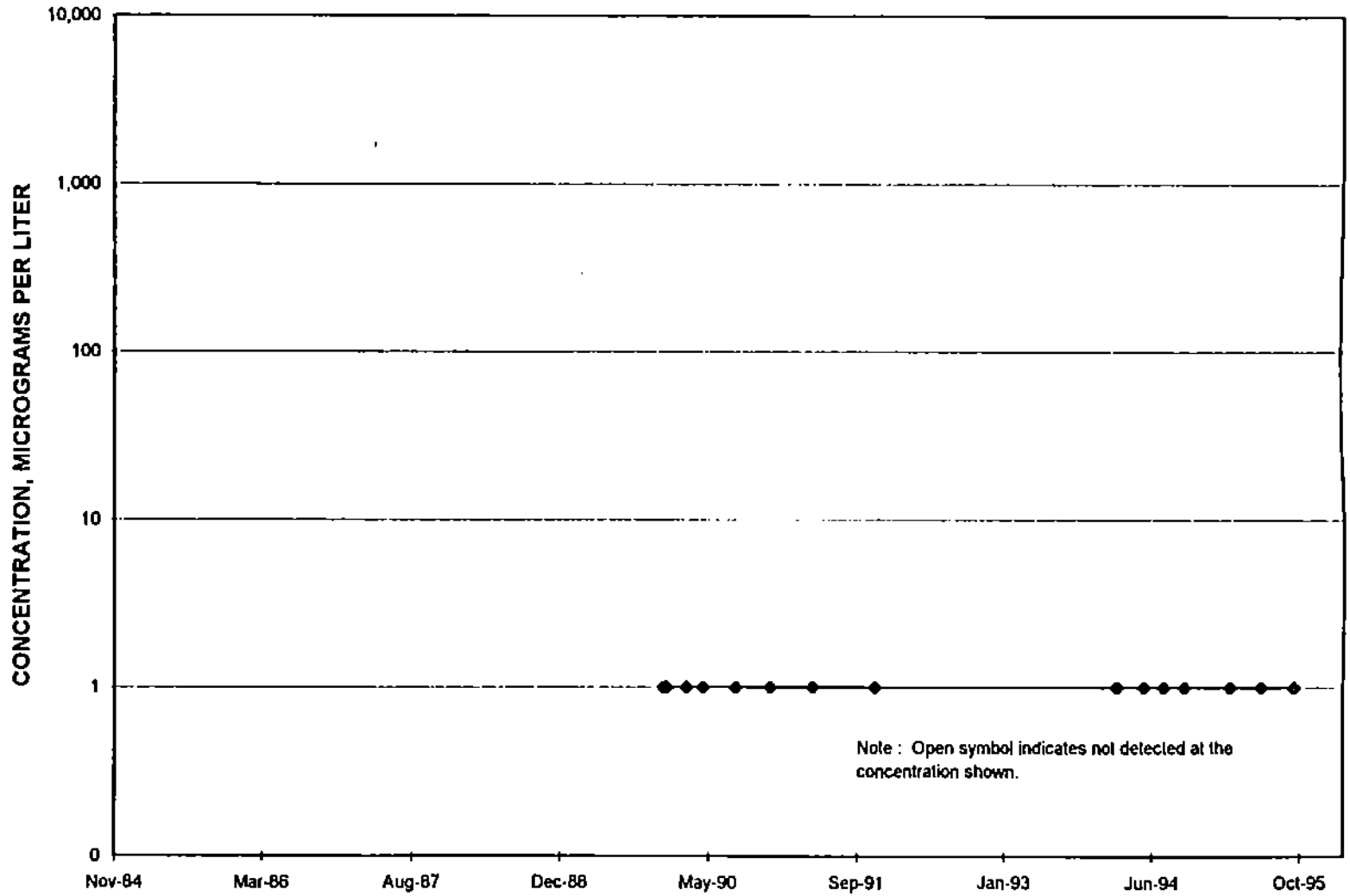

FIGURE G-40. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-10

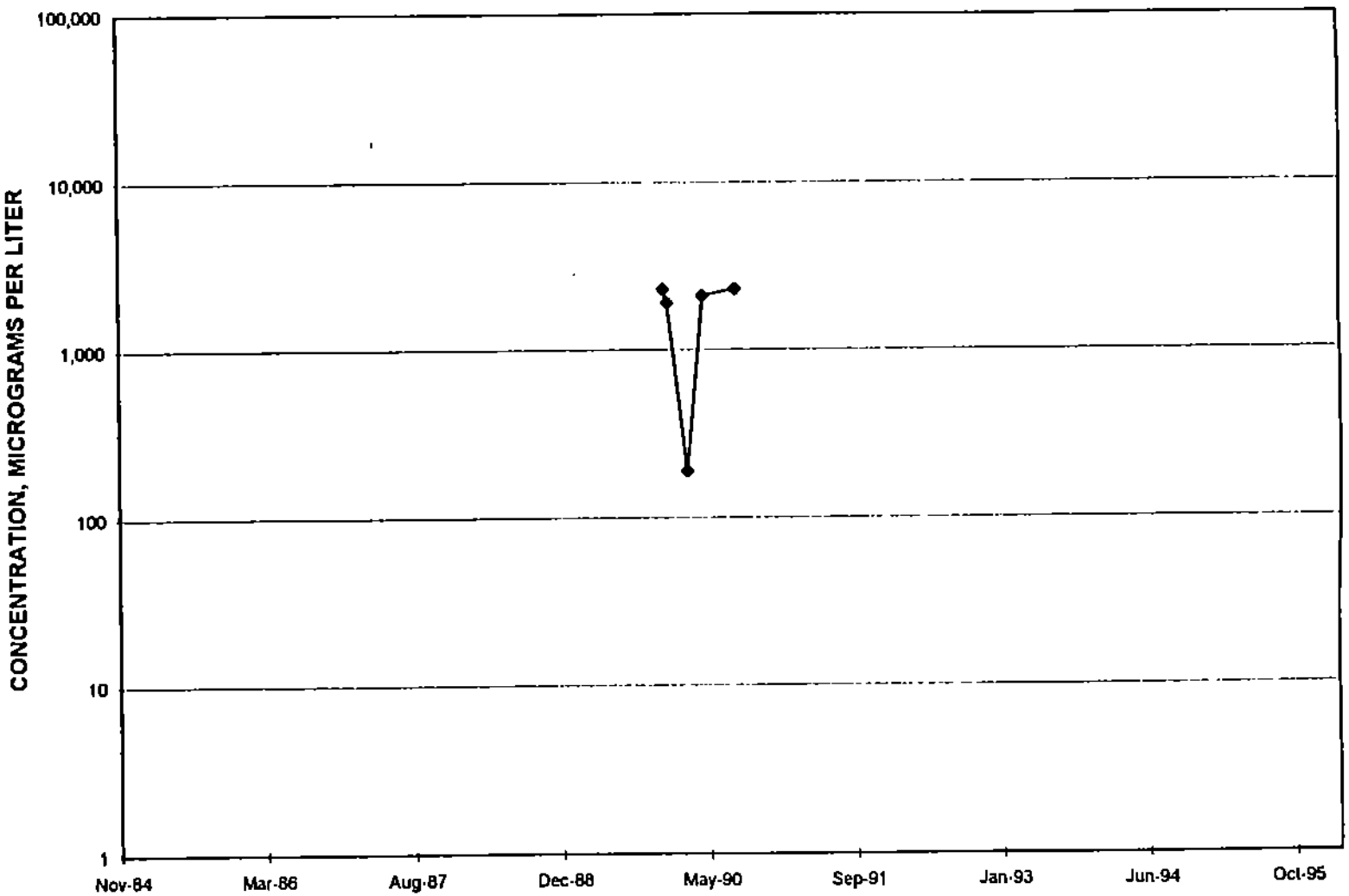

FIGURE G-41. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-11

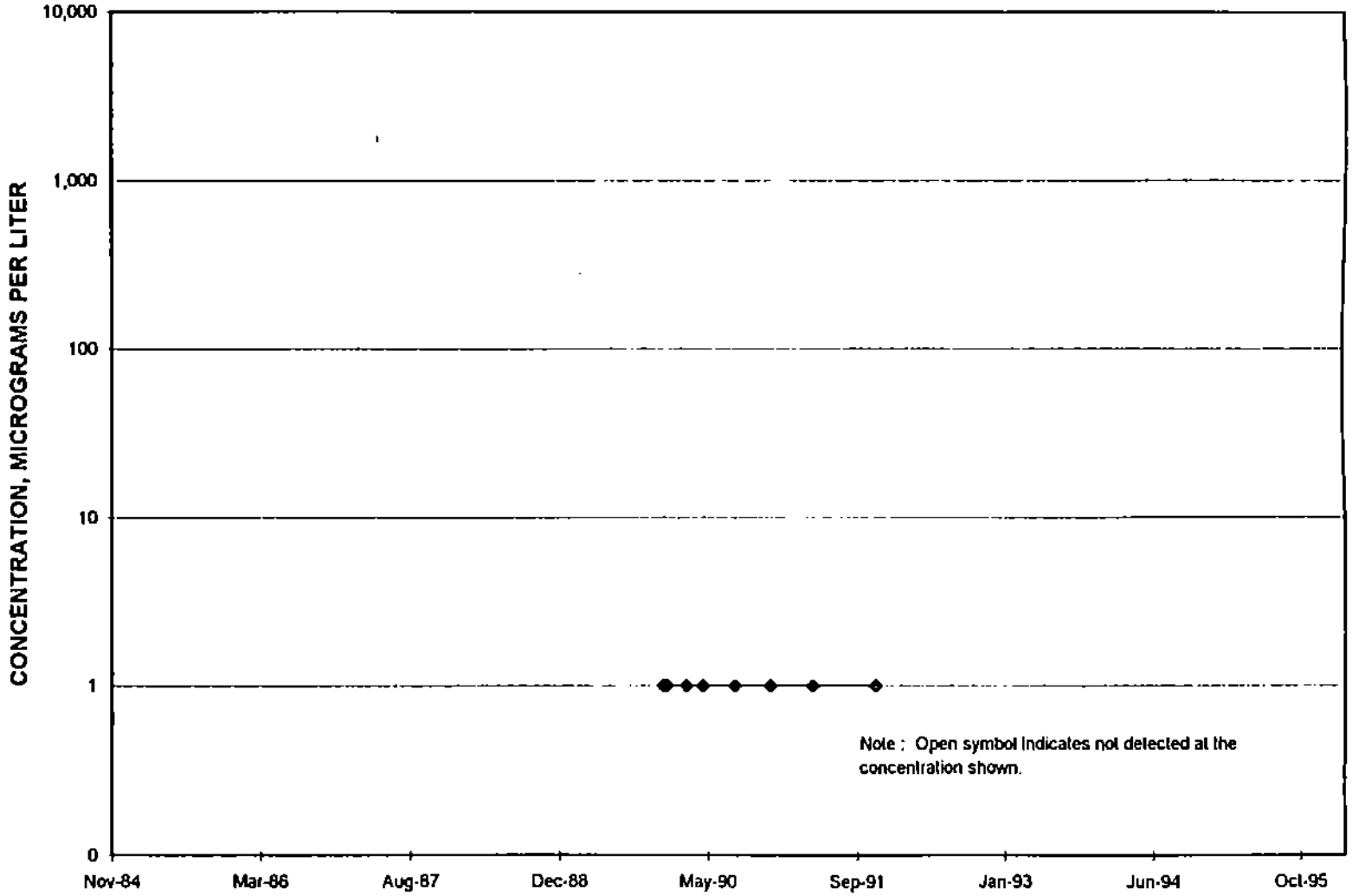

FIGURE G-42. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-12

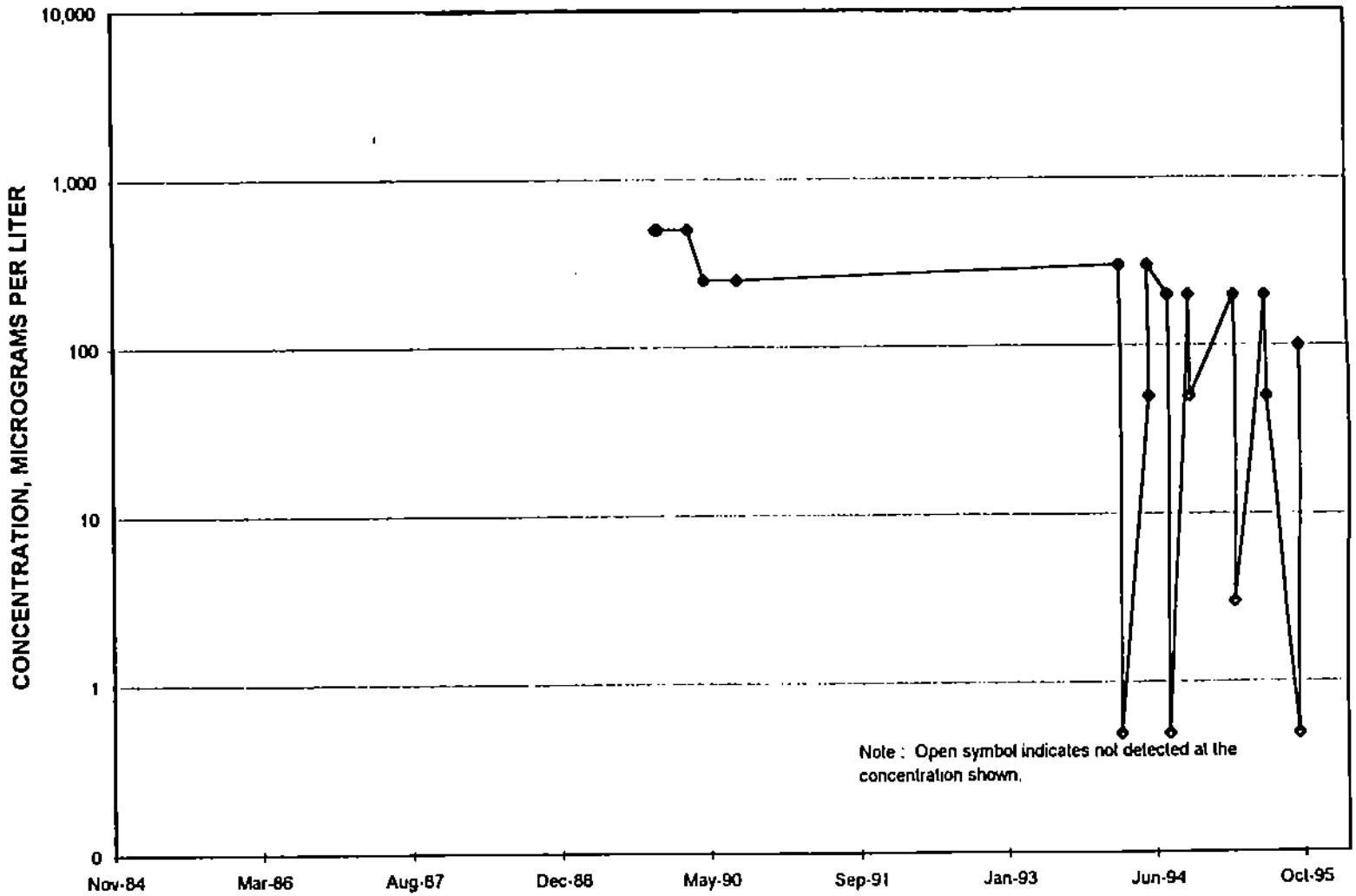

FIGURE G-43. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-13

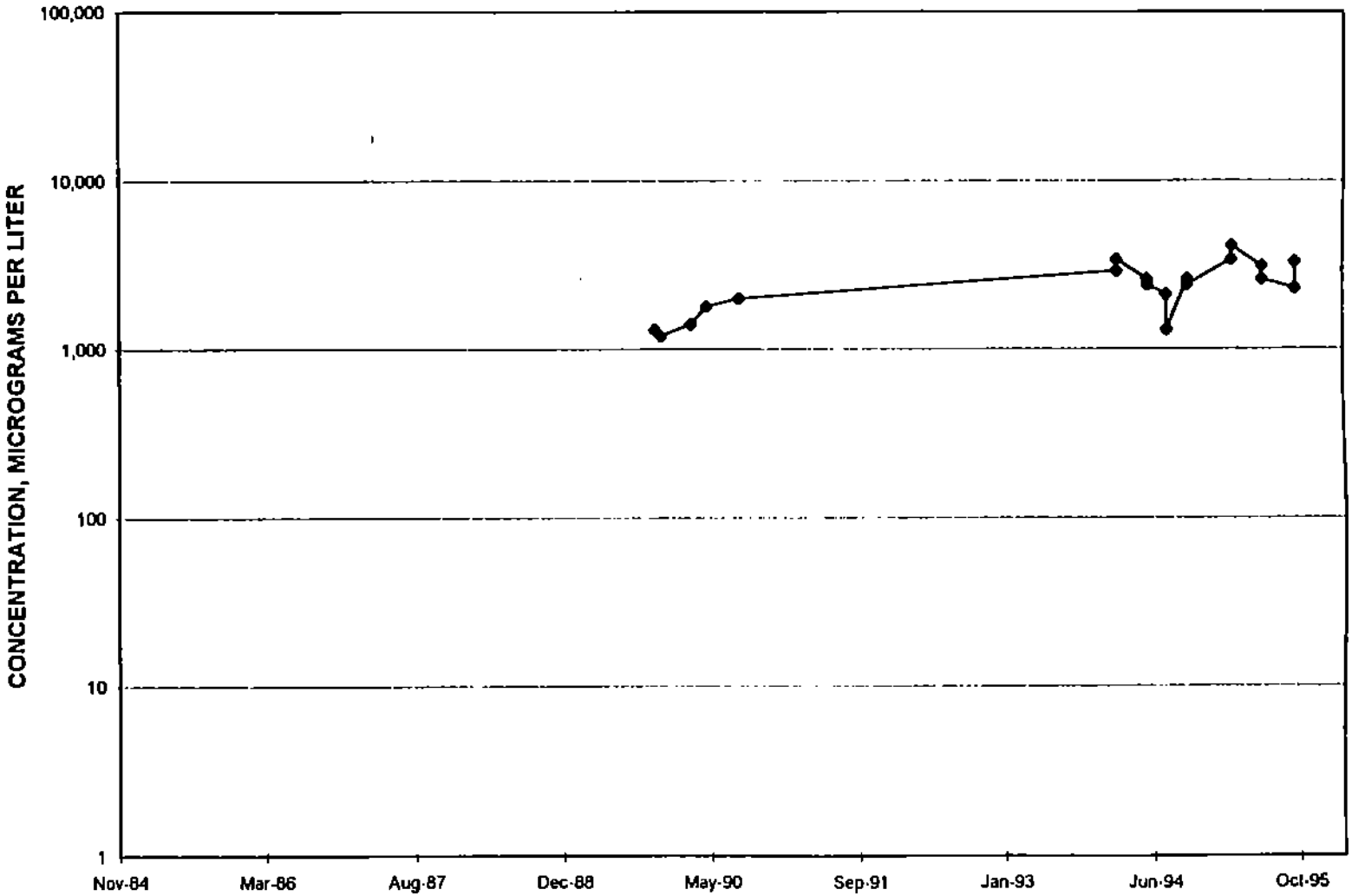

FIGURE G-44. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-14

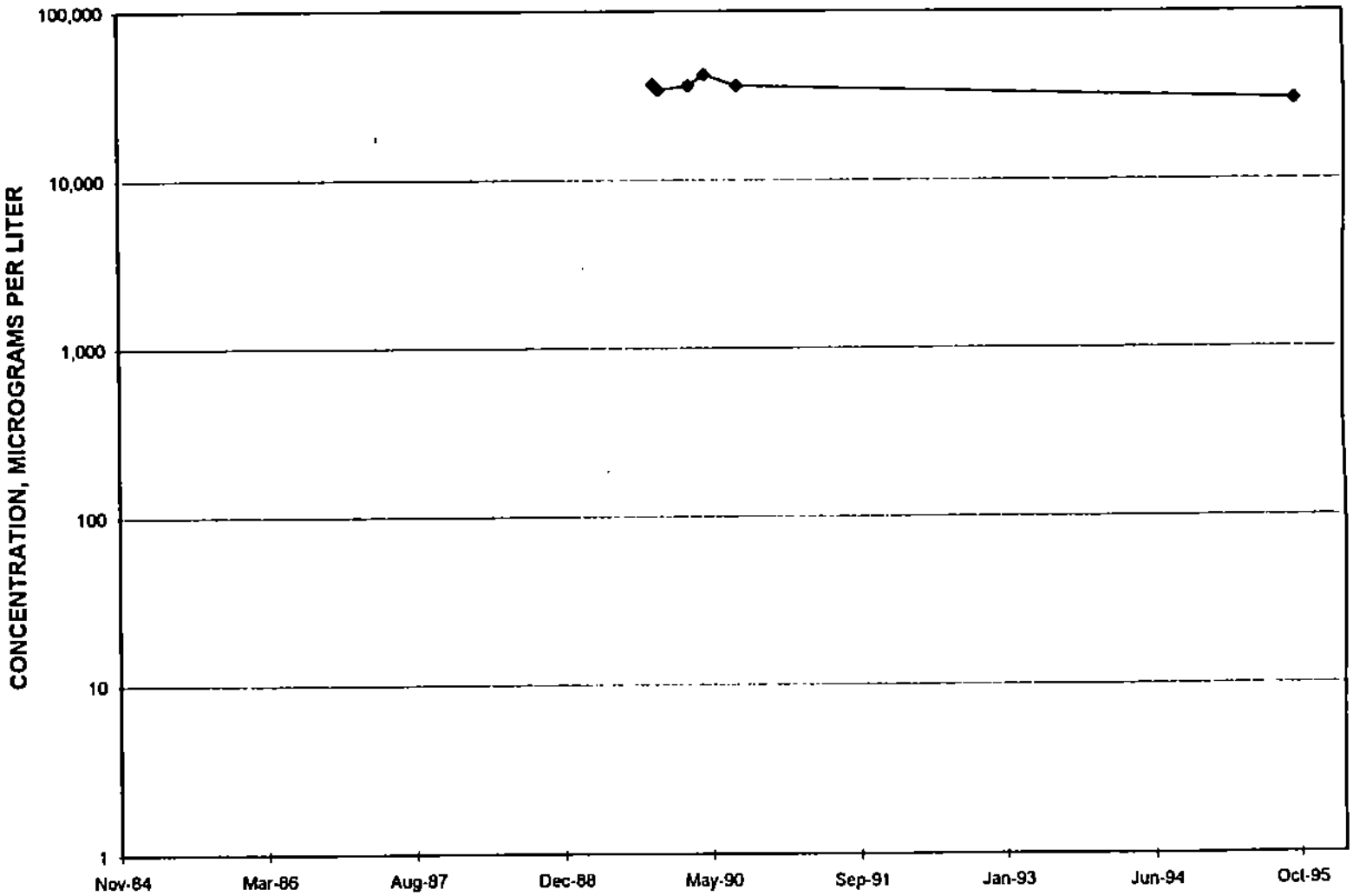

FIGURE G-45. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-15

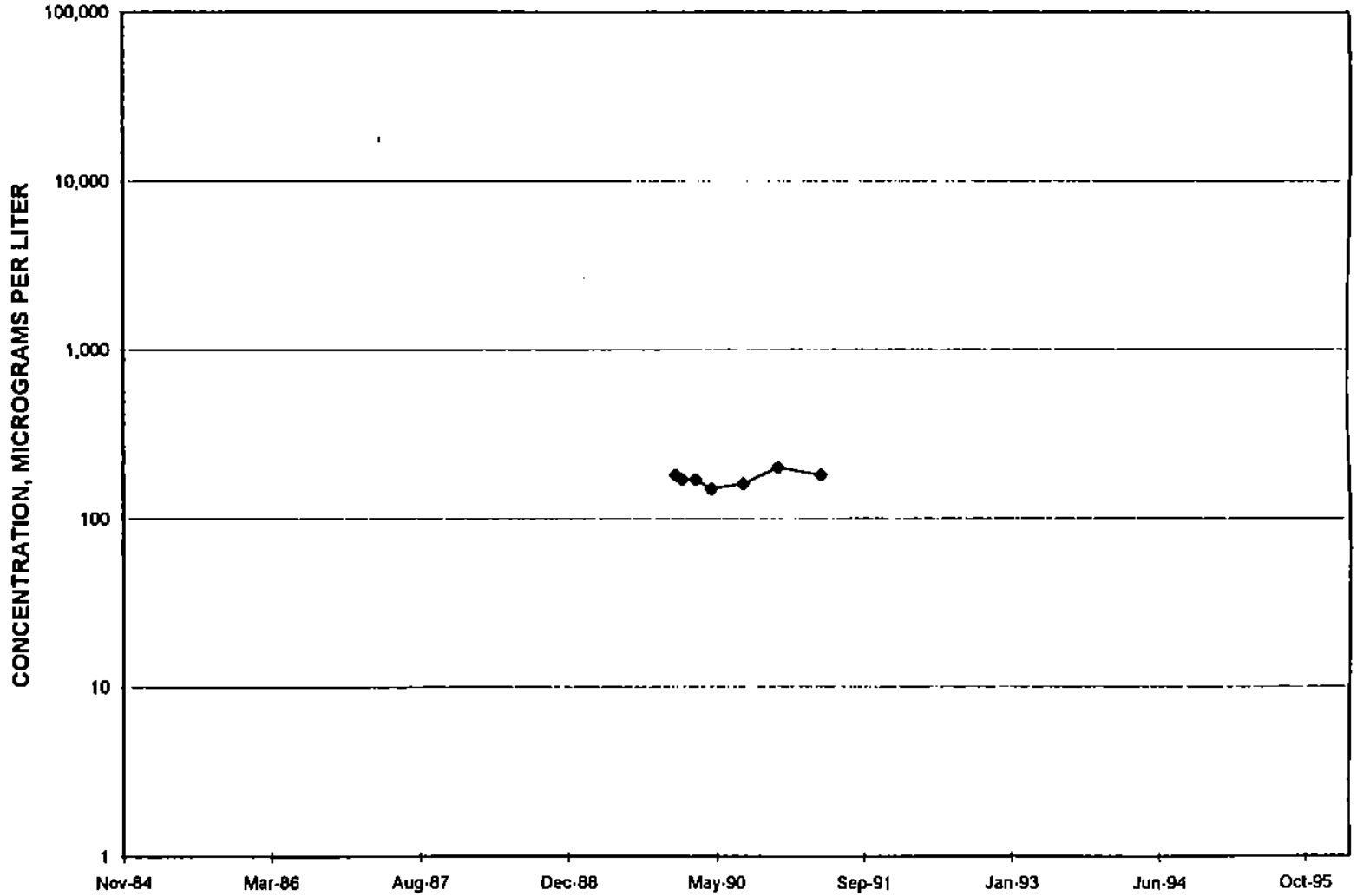

FIGURE G-46. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-16

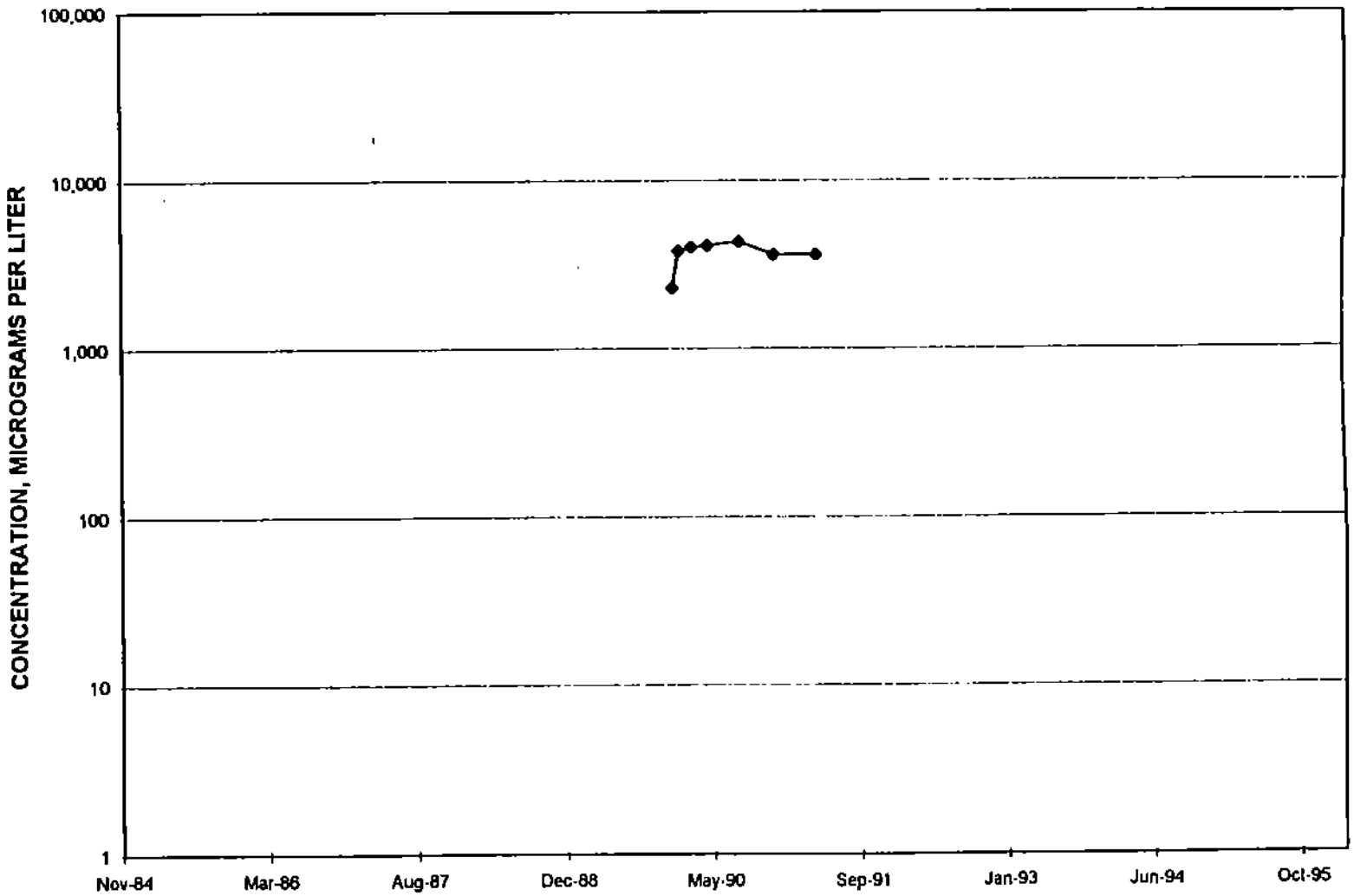

FIGURE G-47. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-17

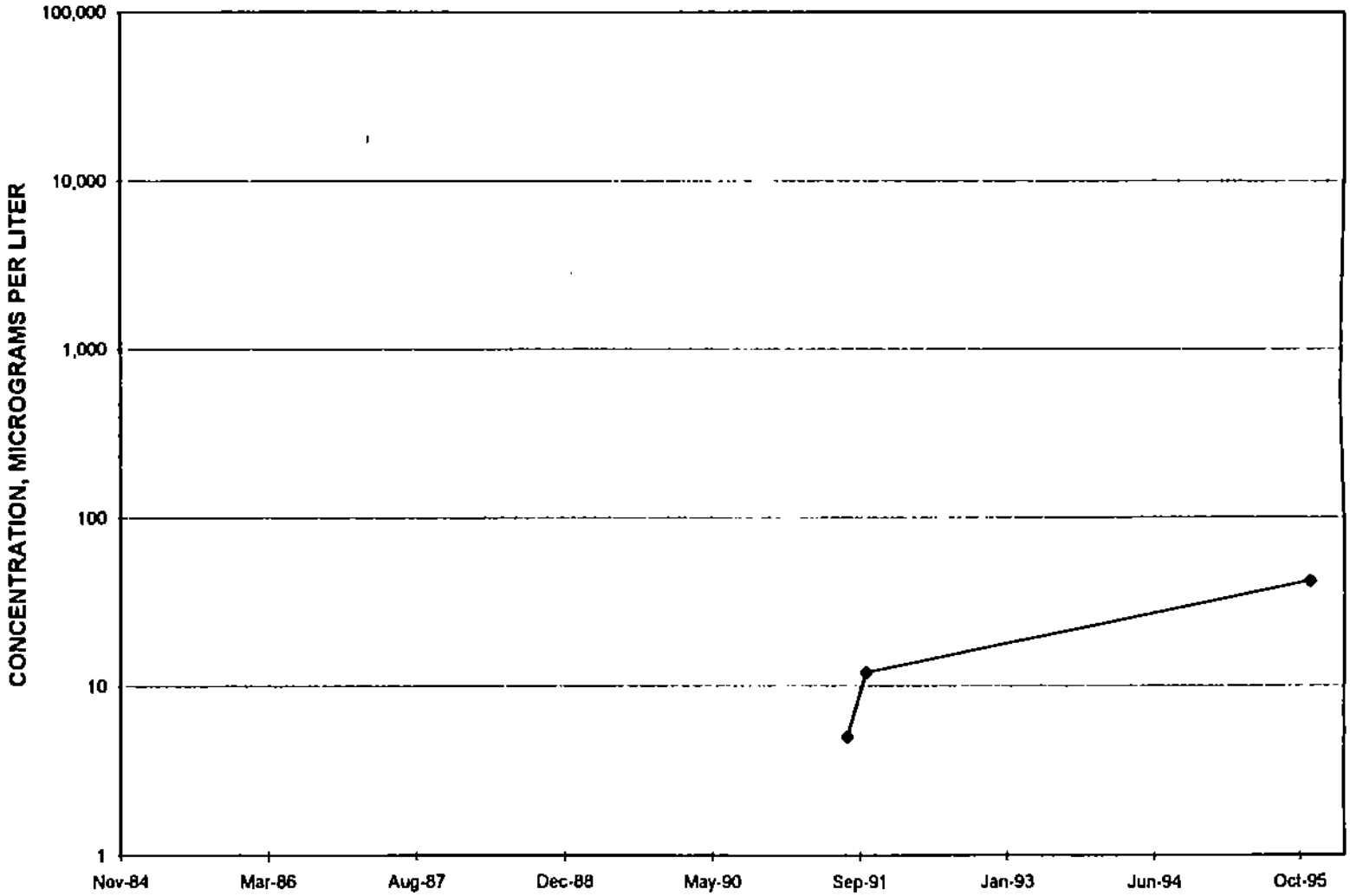

FIGURE G-48. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-18

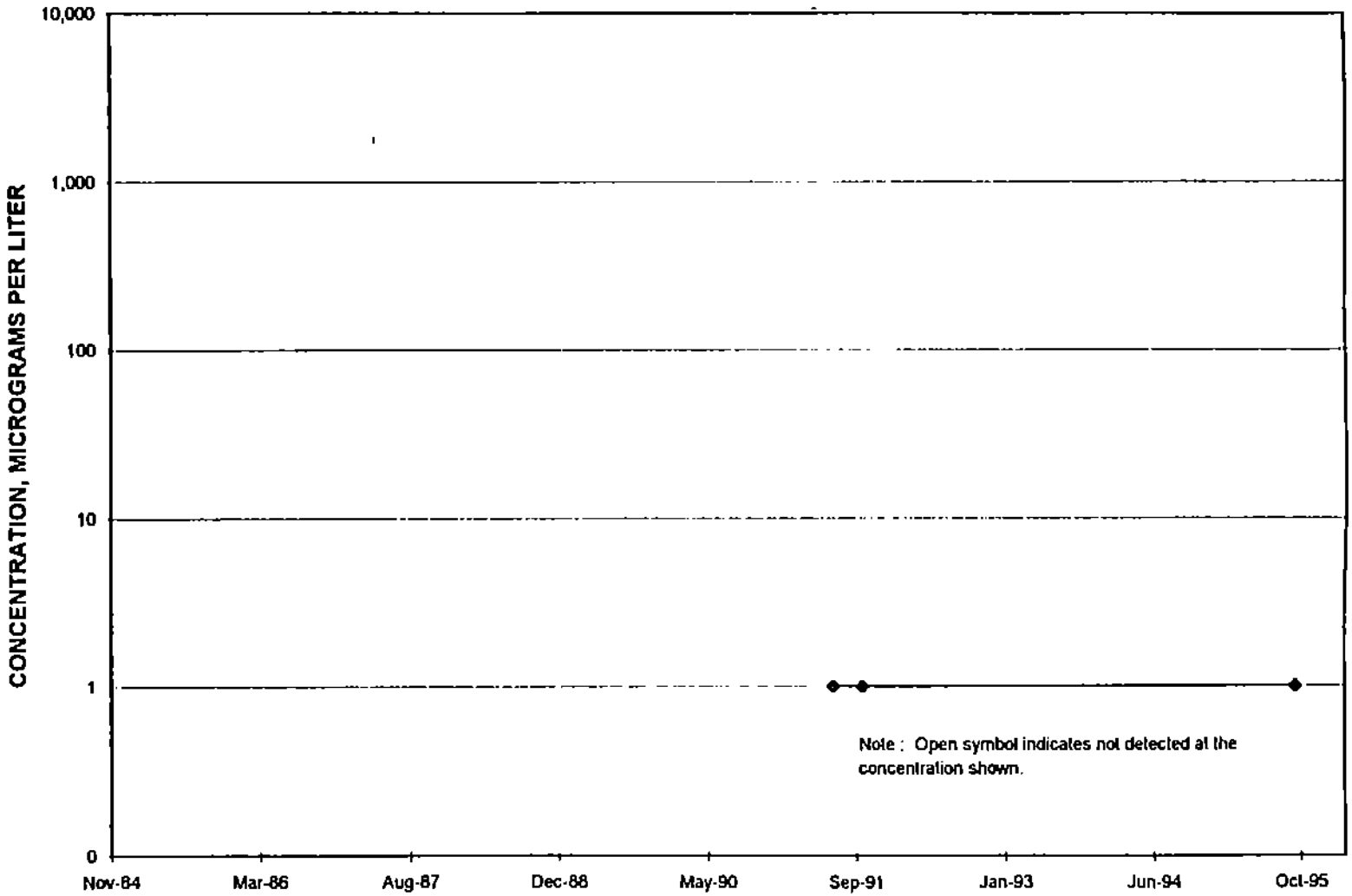

FIGURE G-49. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-19

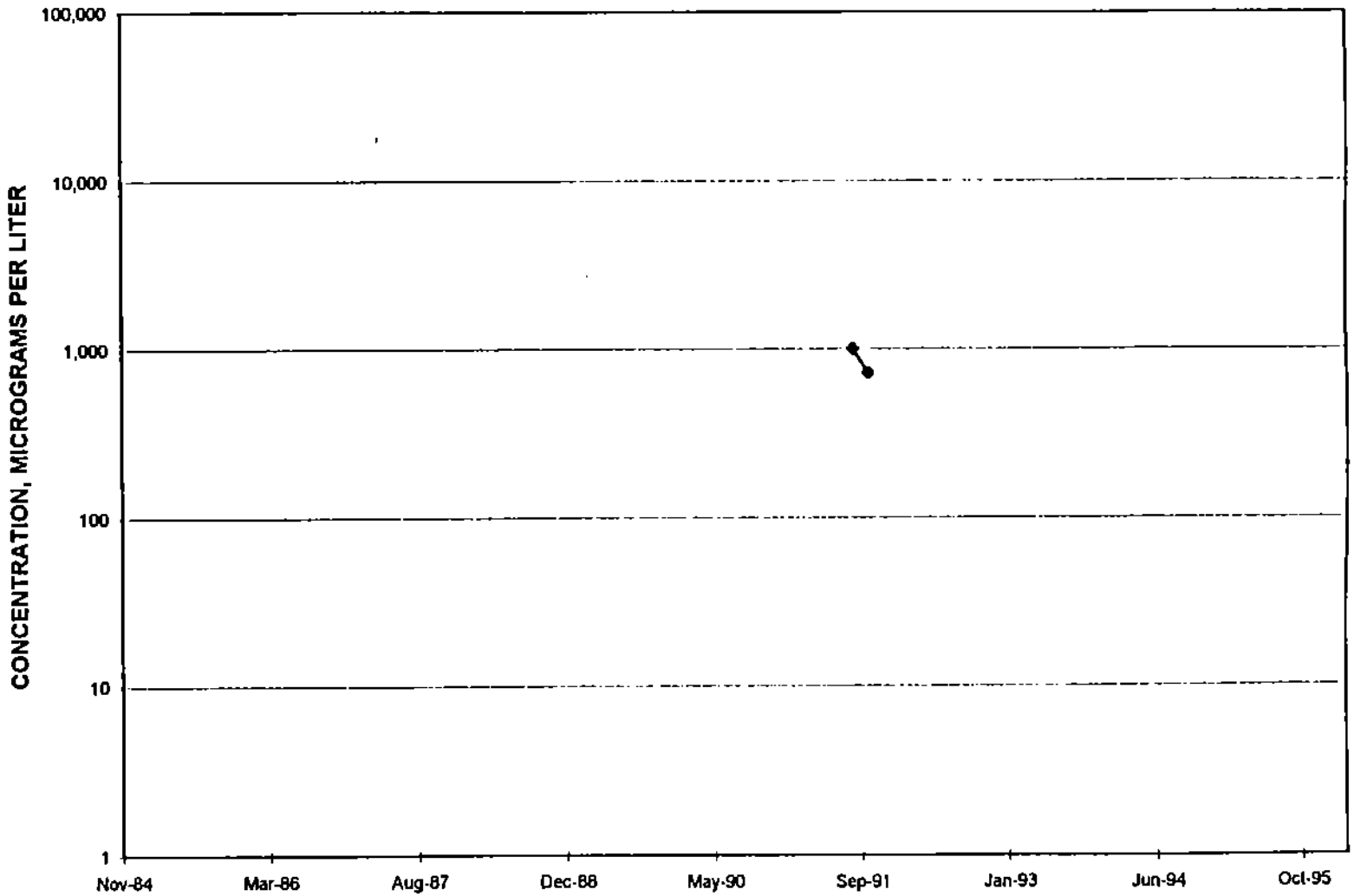

FIGURE G-50. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-20

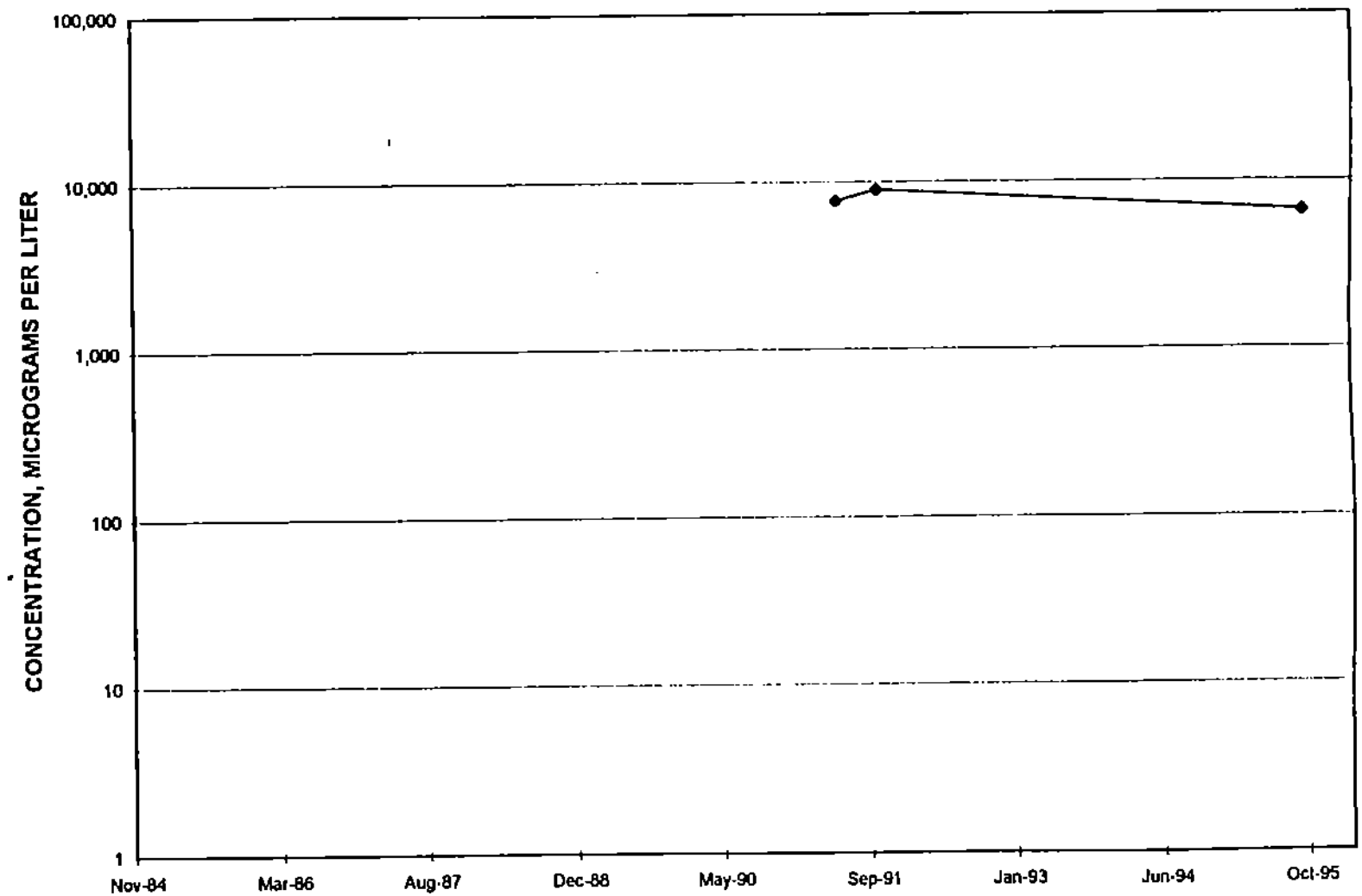

FIGURE G-51. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-21

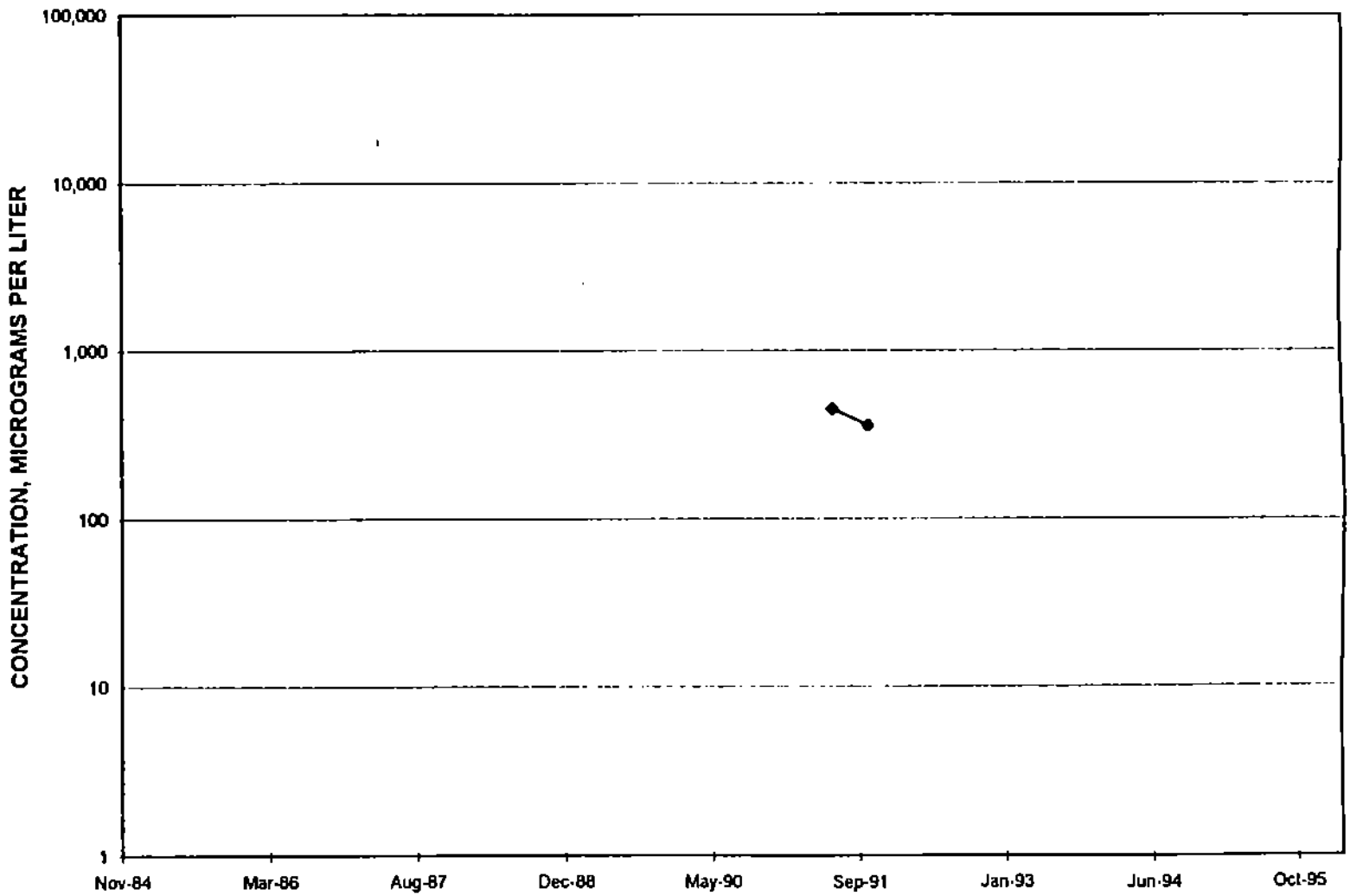

FIGURE G-52. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-22

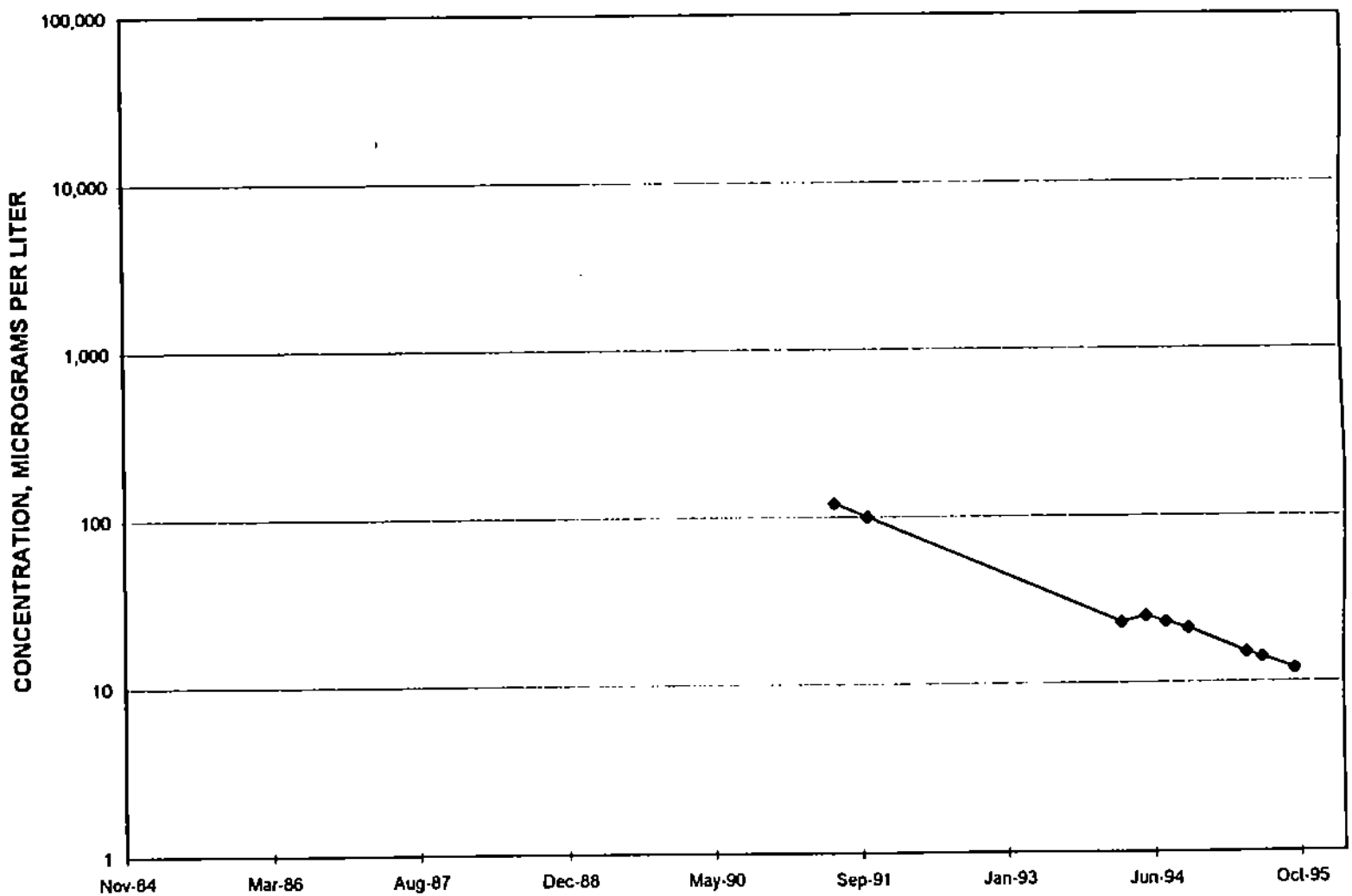

FIGURE G-53. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-23

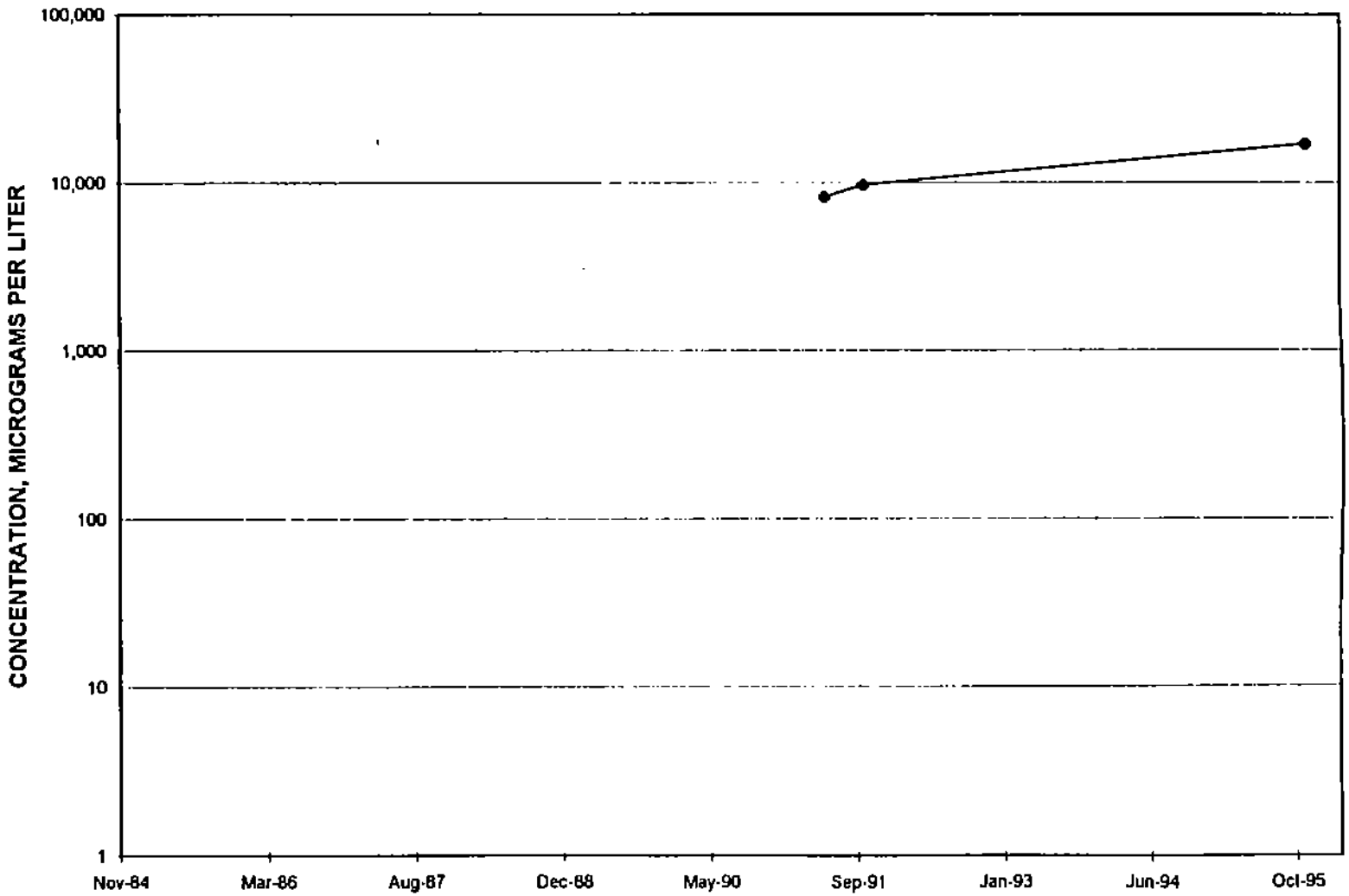

FIGURE G-54. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-24

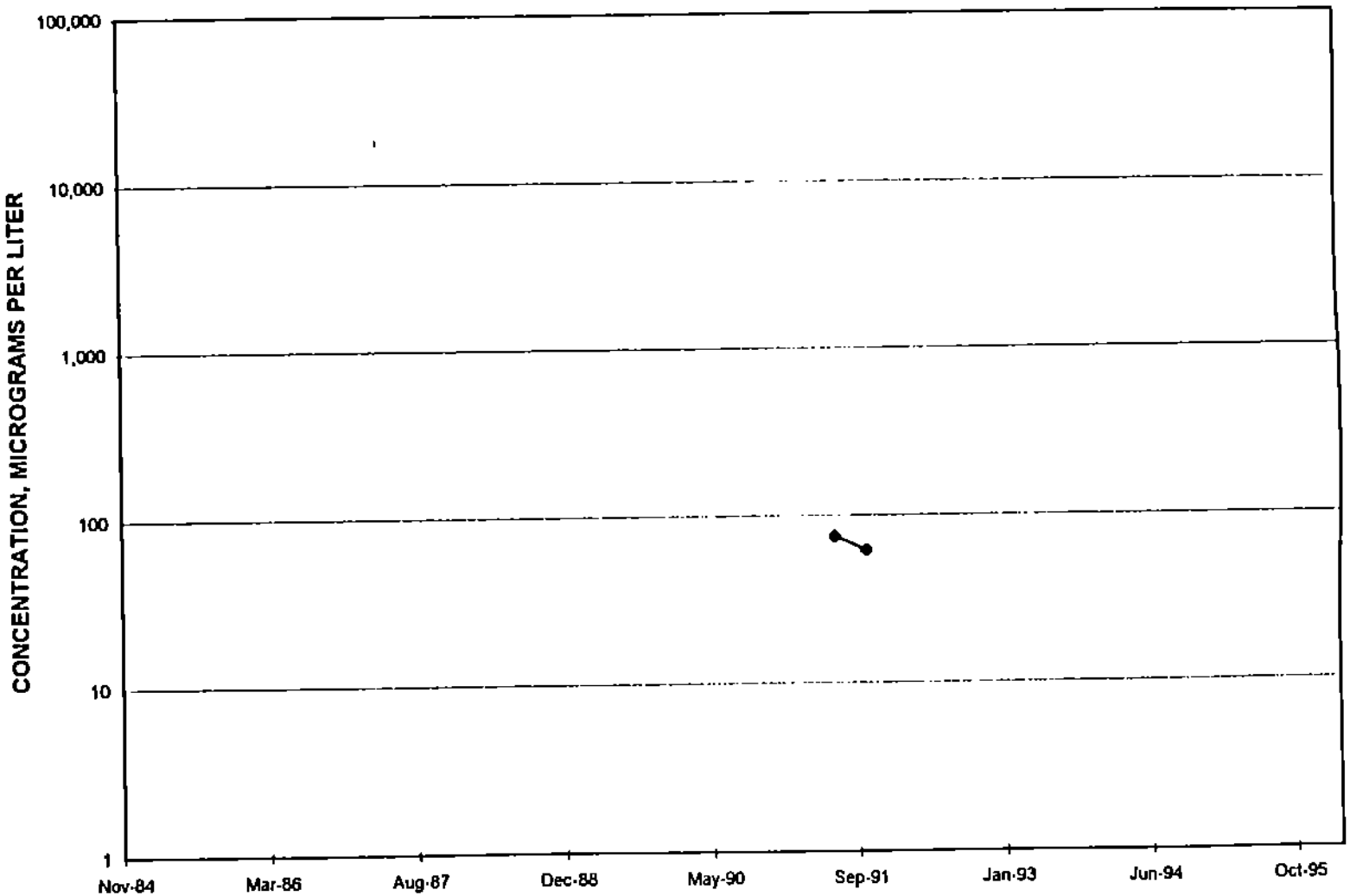

FIGURE G-55. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-25

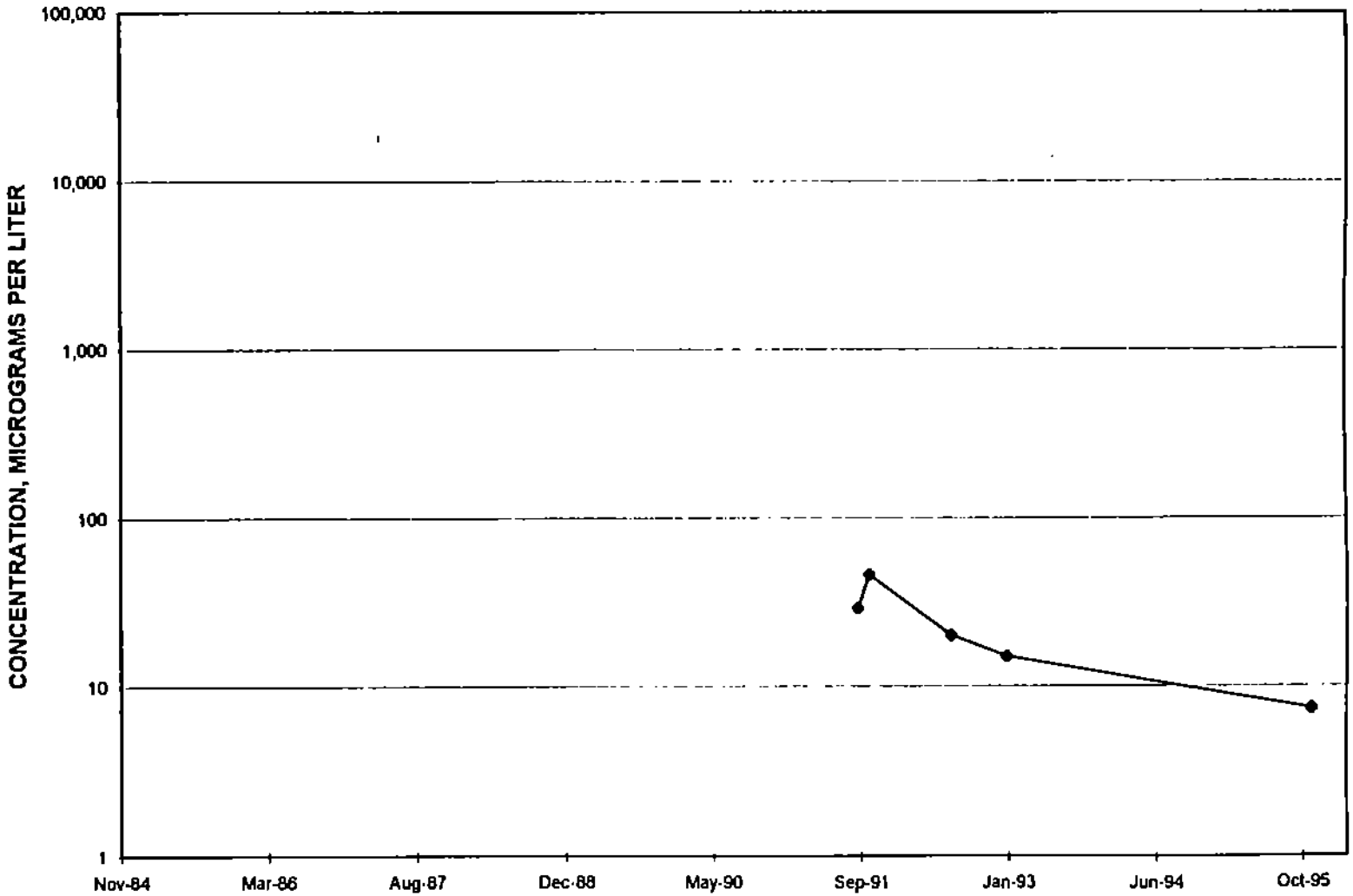

FIGURE G-56. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-26

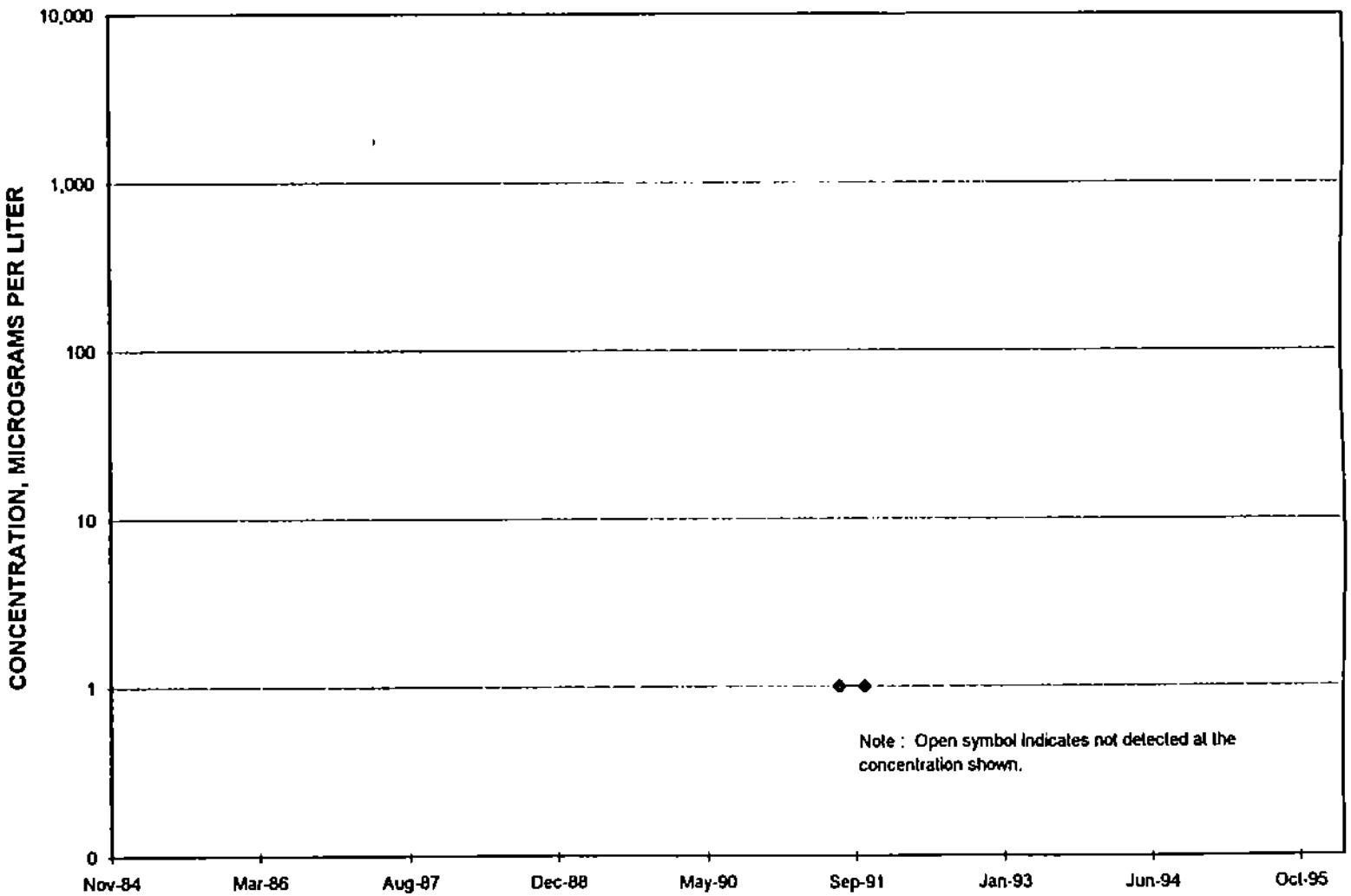

FIGURE G-57. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-27

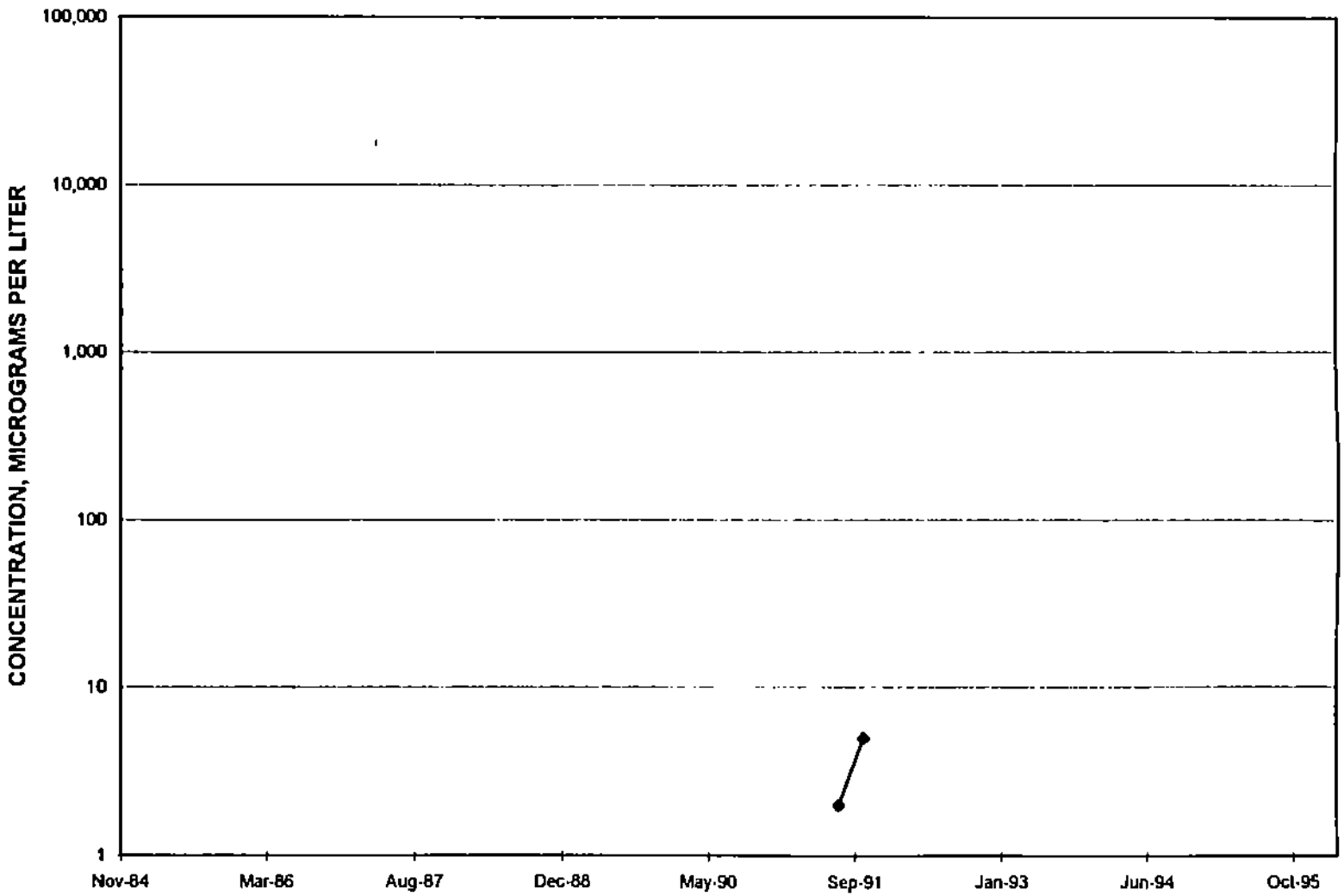

FIGURE G-58. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-28

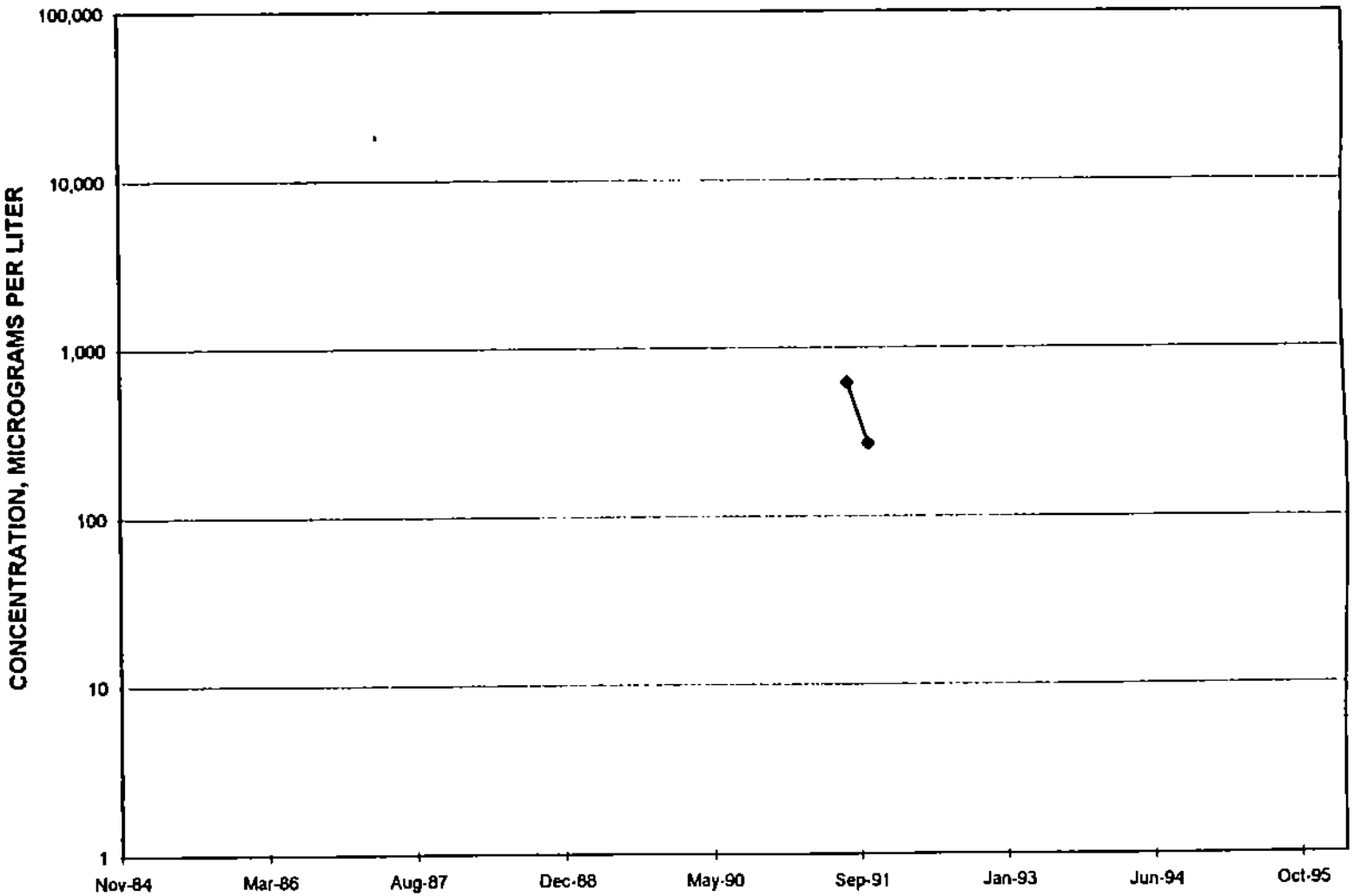

FIGURE G-59. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-29

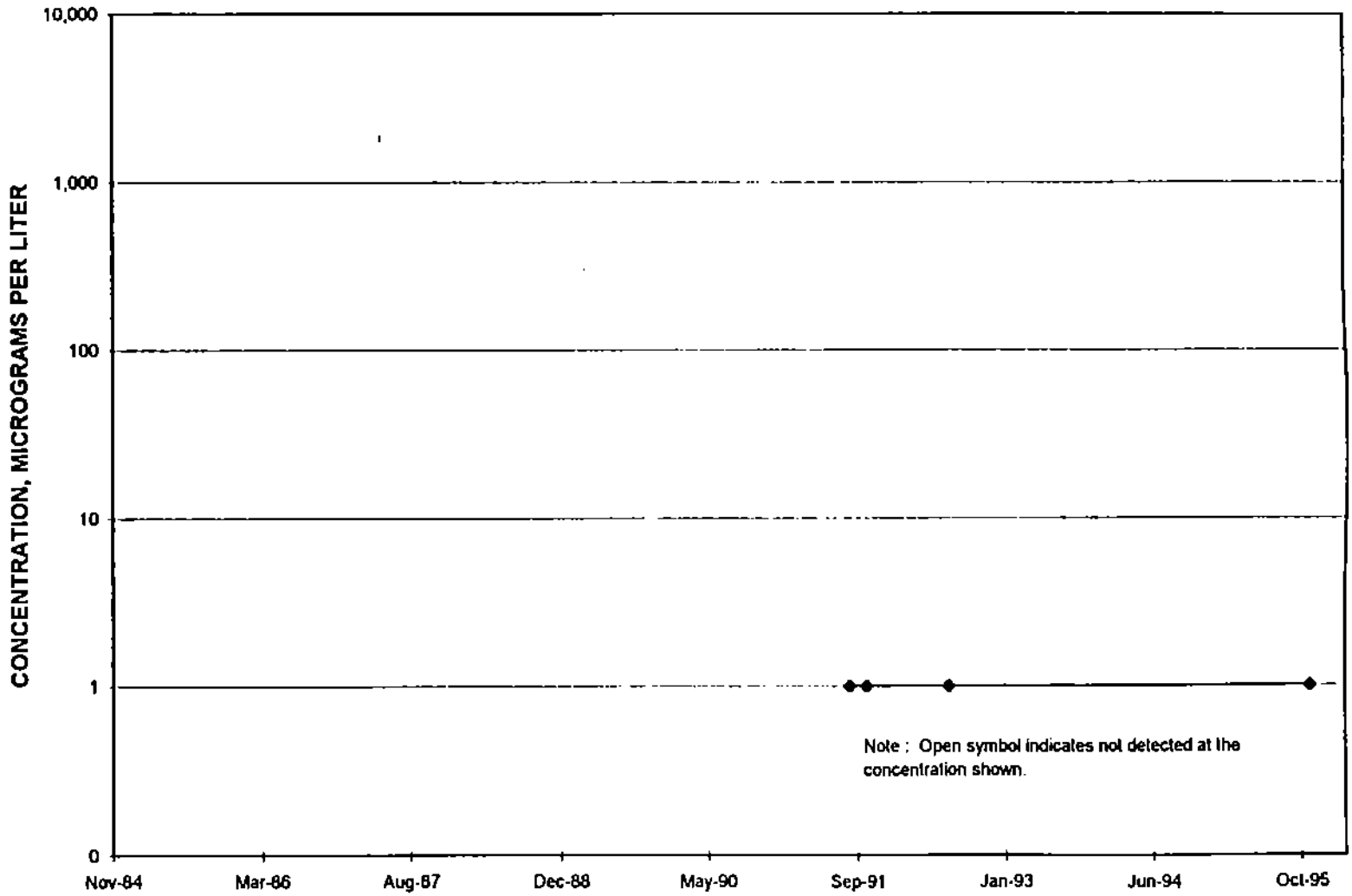

FIGURE G-60. . CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-30

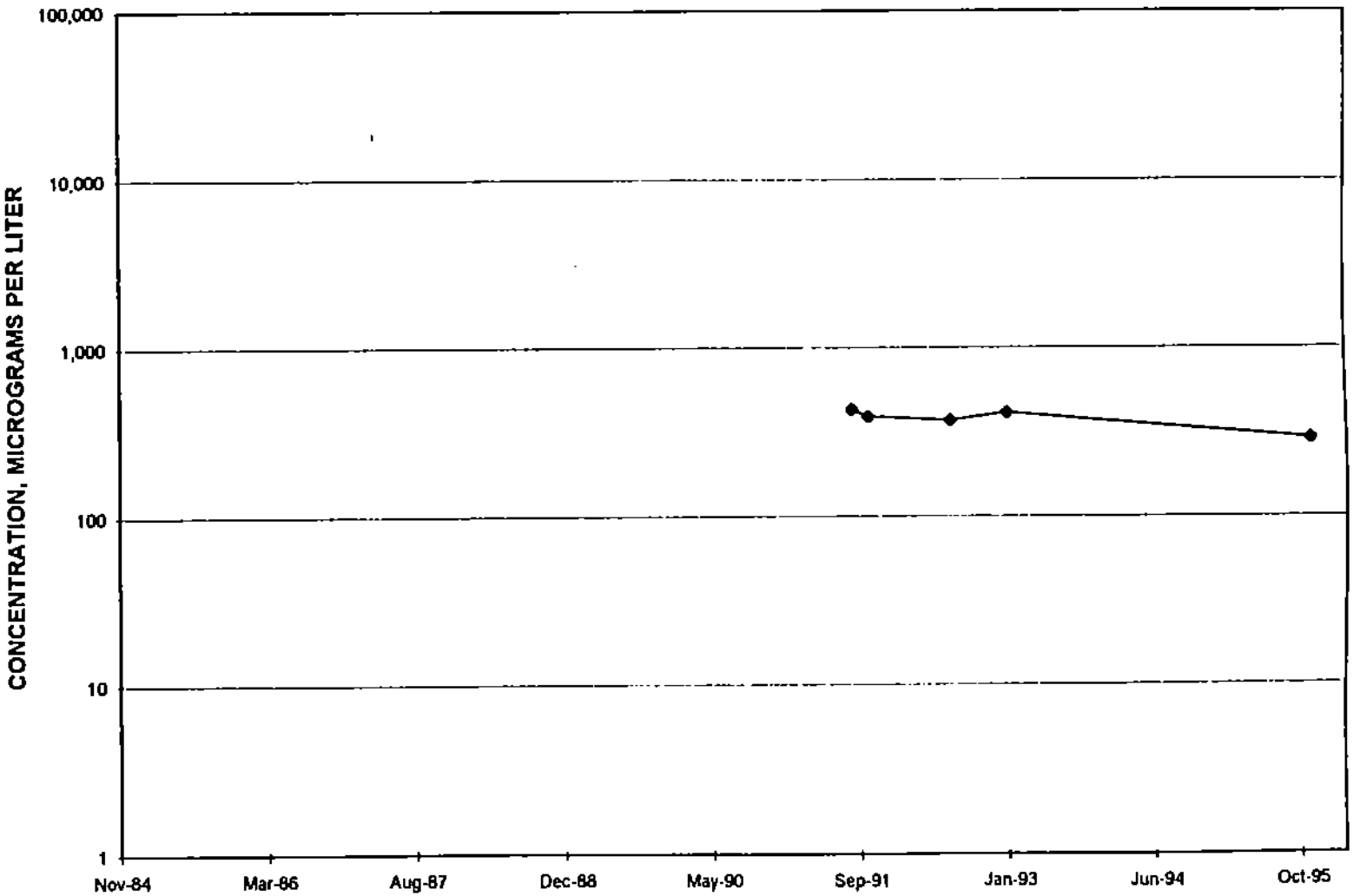

FIGURE G-61. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-31

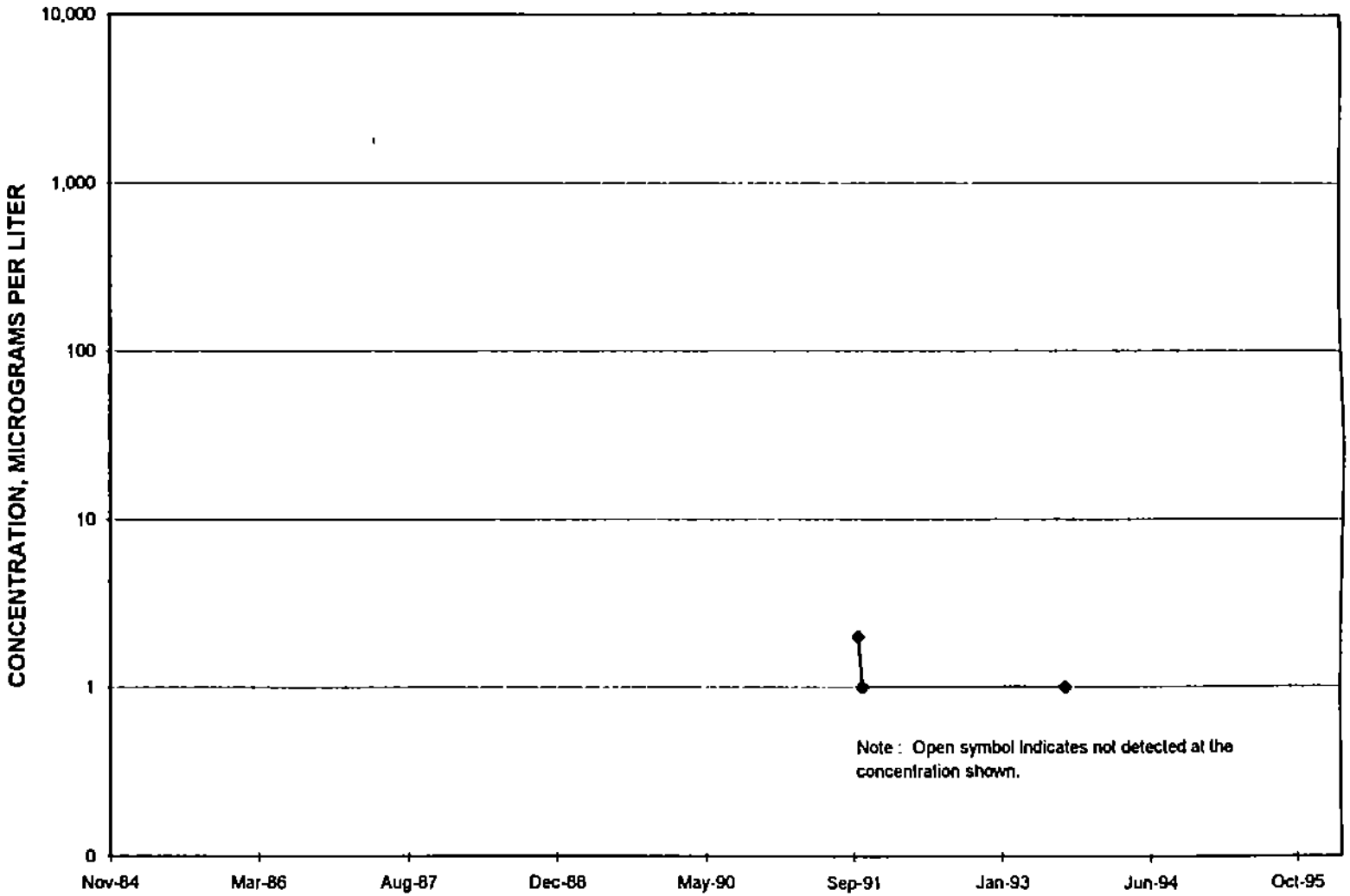

FIGURE G-62. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-32

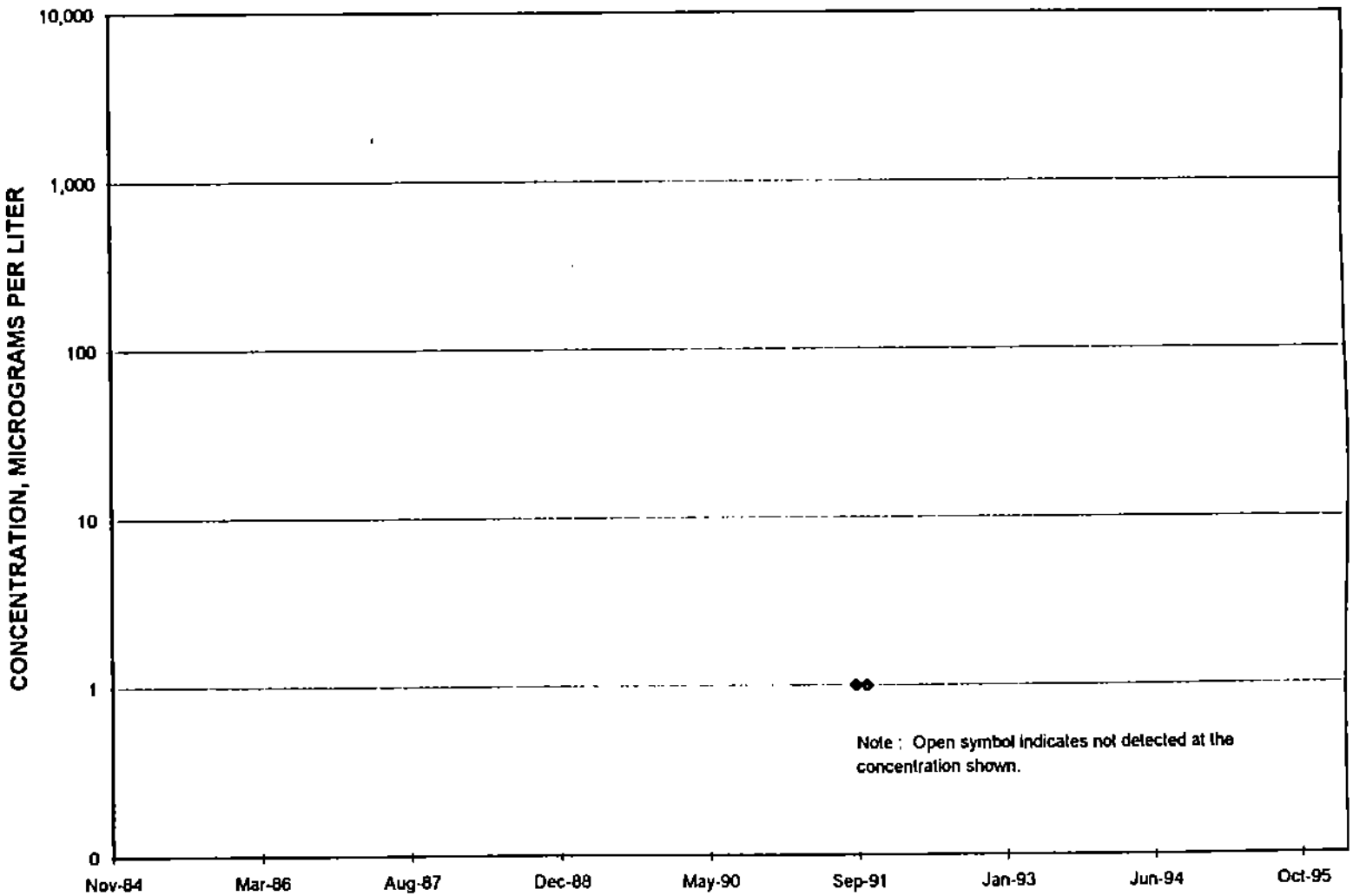

FIGURE G-63. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL BF-33

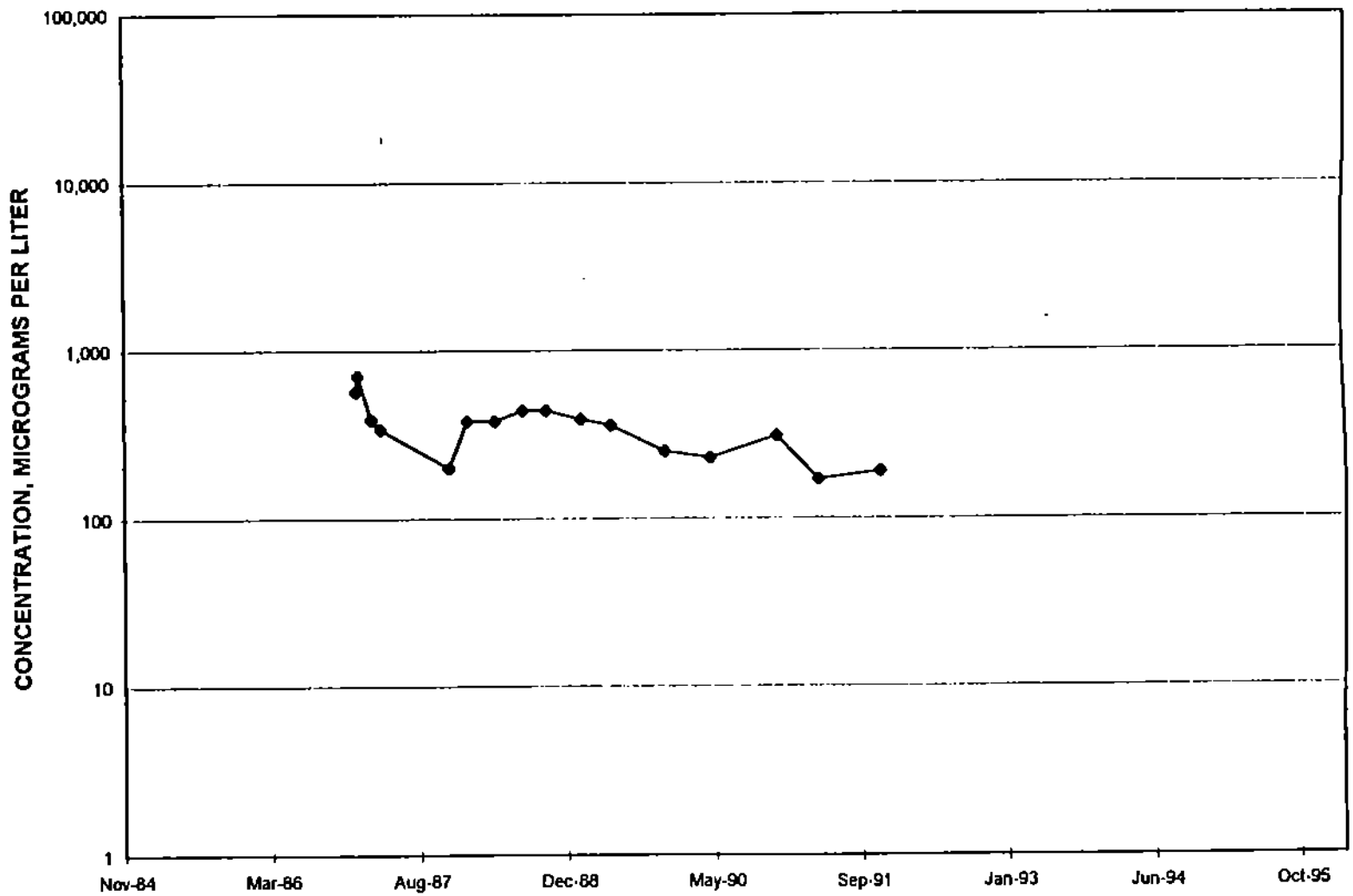

FIGURE G-64. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-01

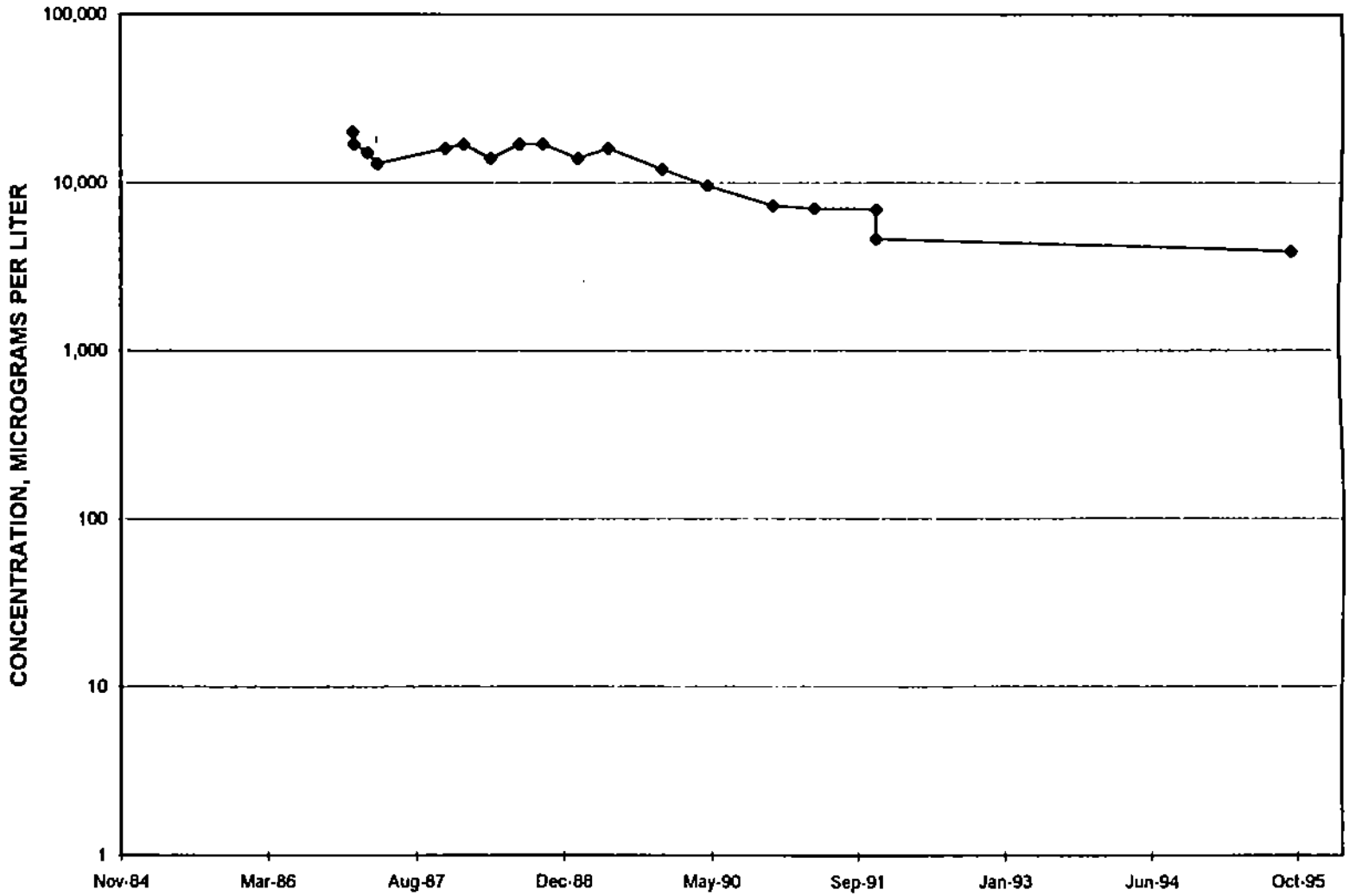

FIGURE G-65. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-02

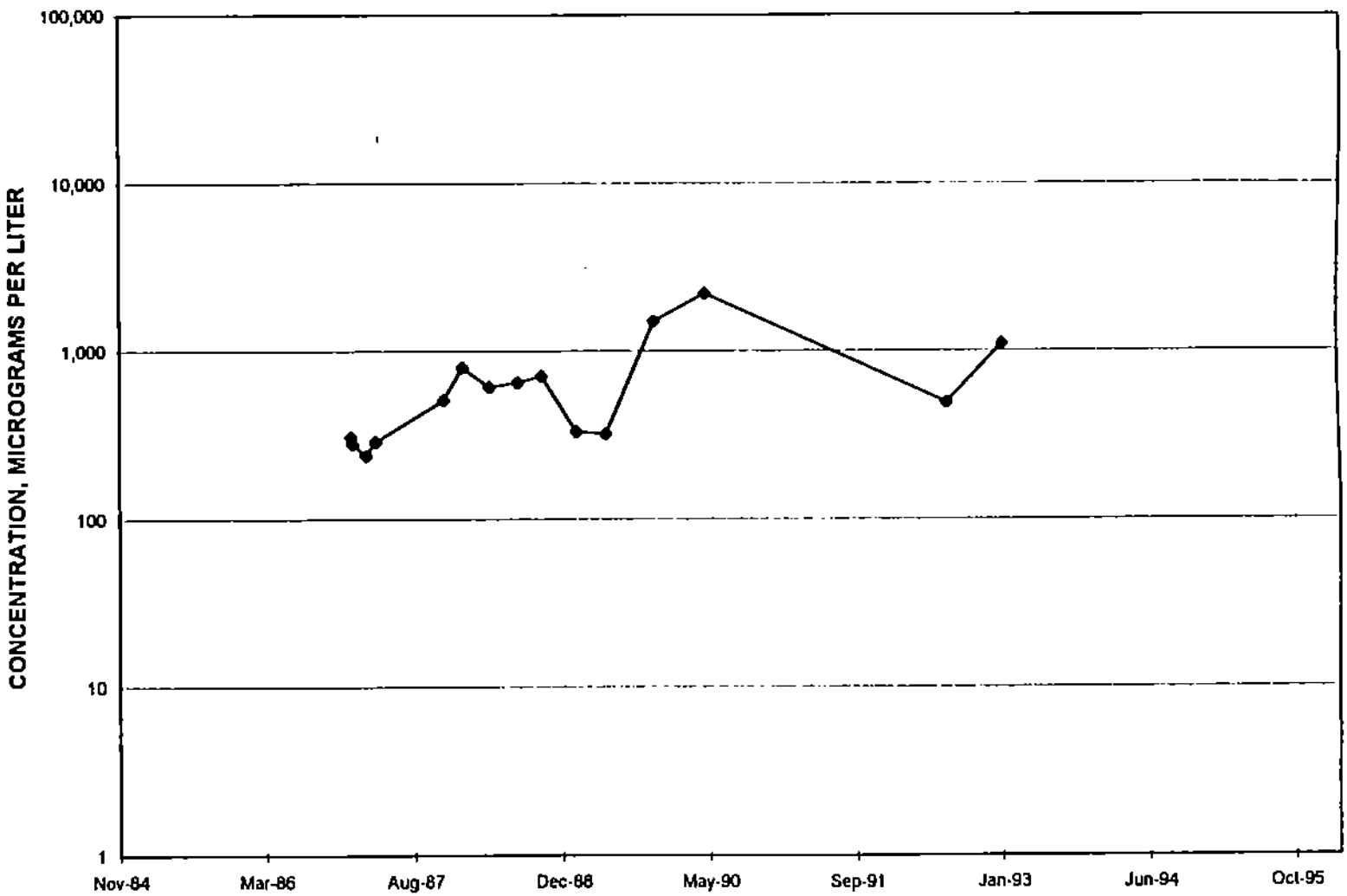

FIGURE G-66. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-03

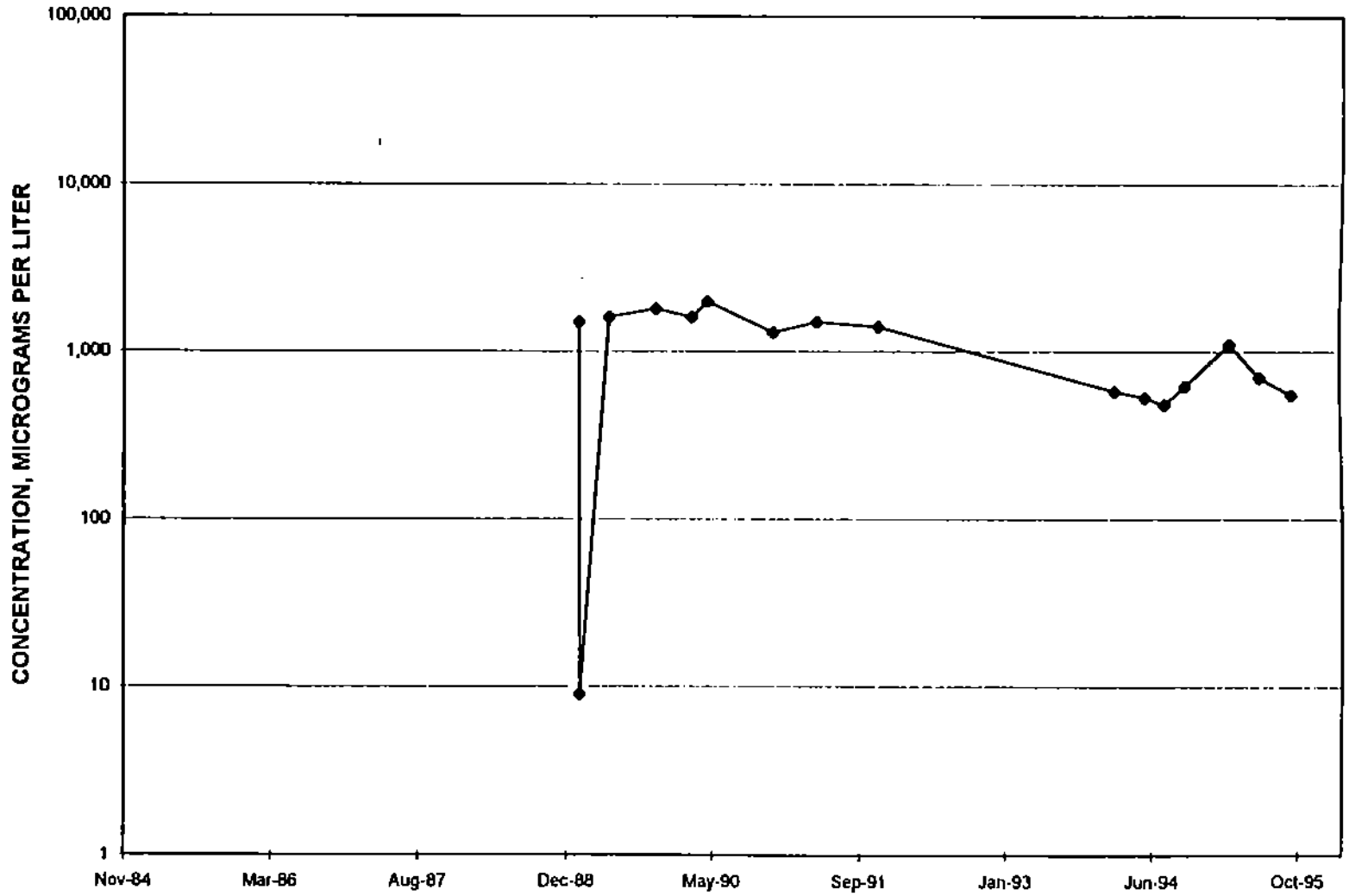

FIGURE G-67. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-04

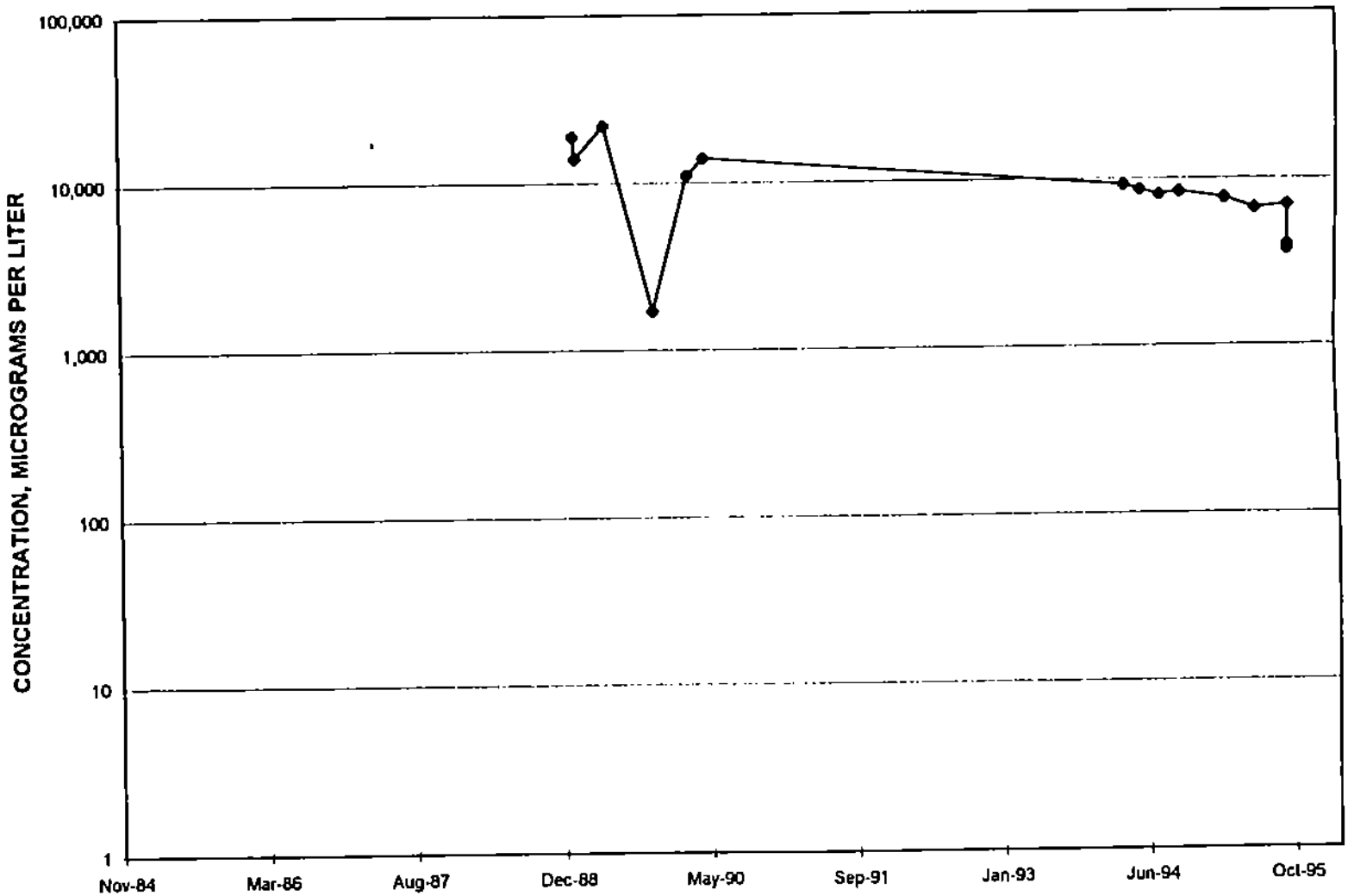

FIGURE G-68. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-05

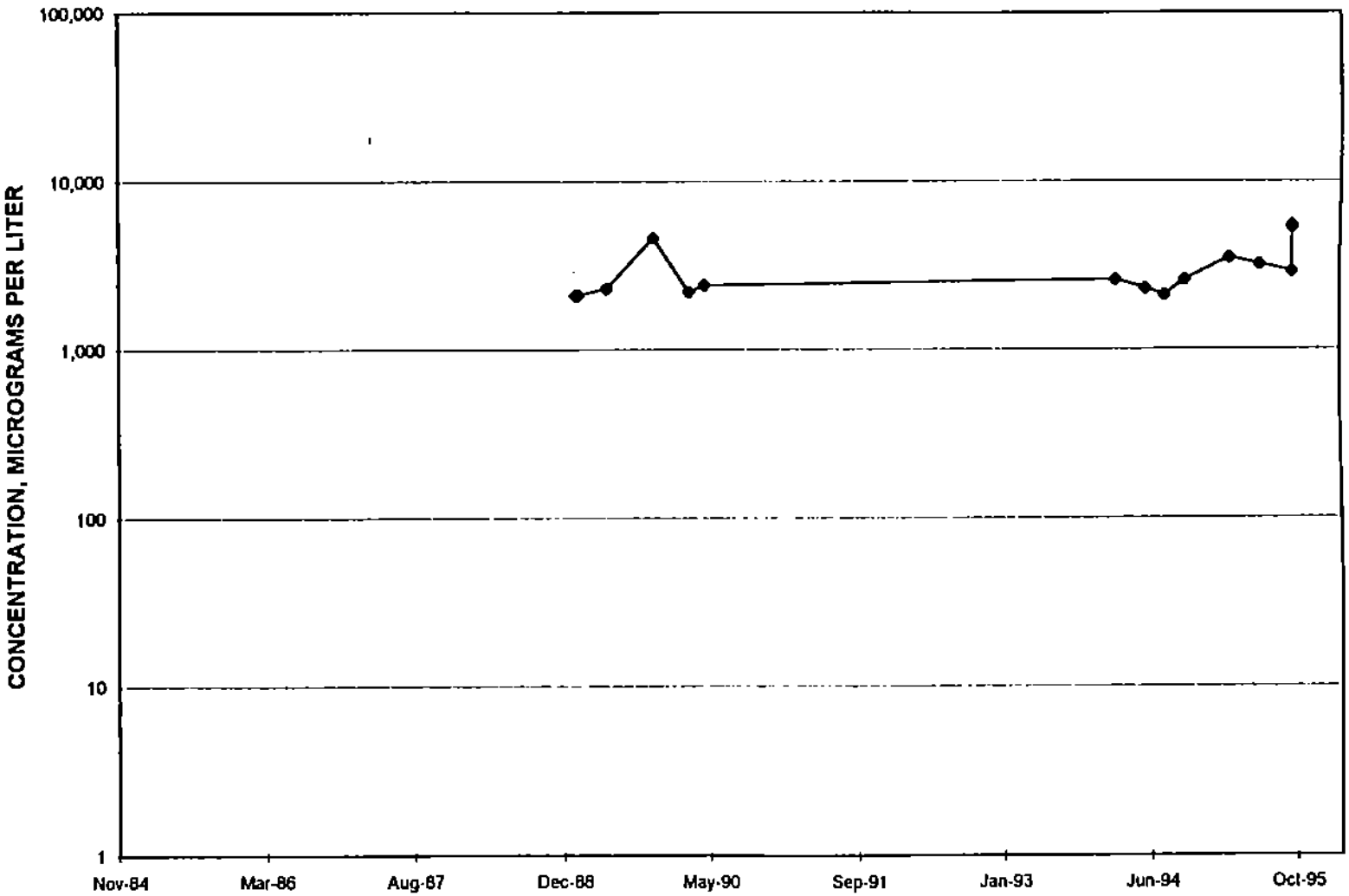

FIGURE G-69. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-06

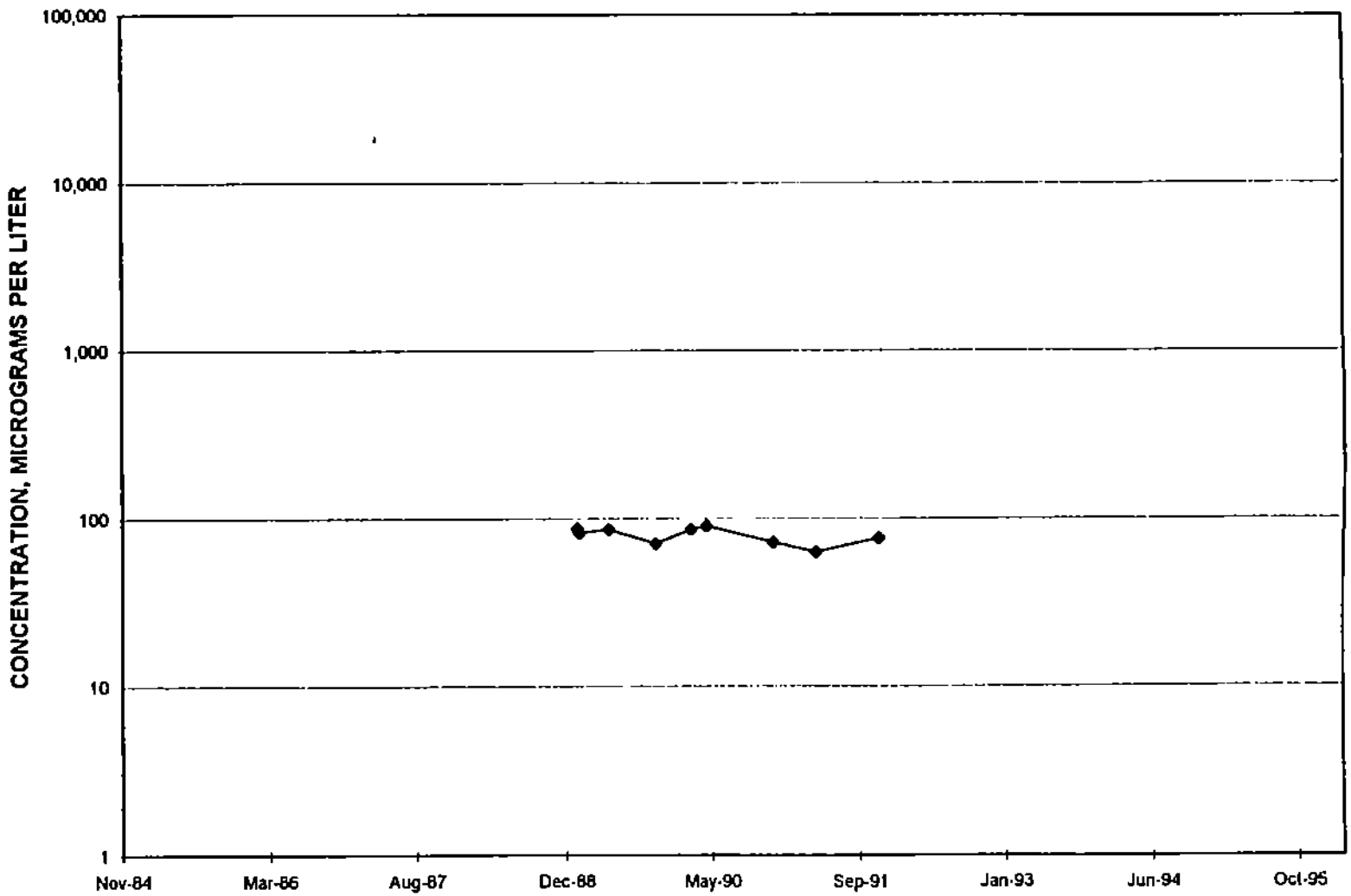

FIGURE G-70. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-07

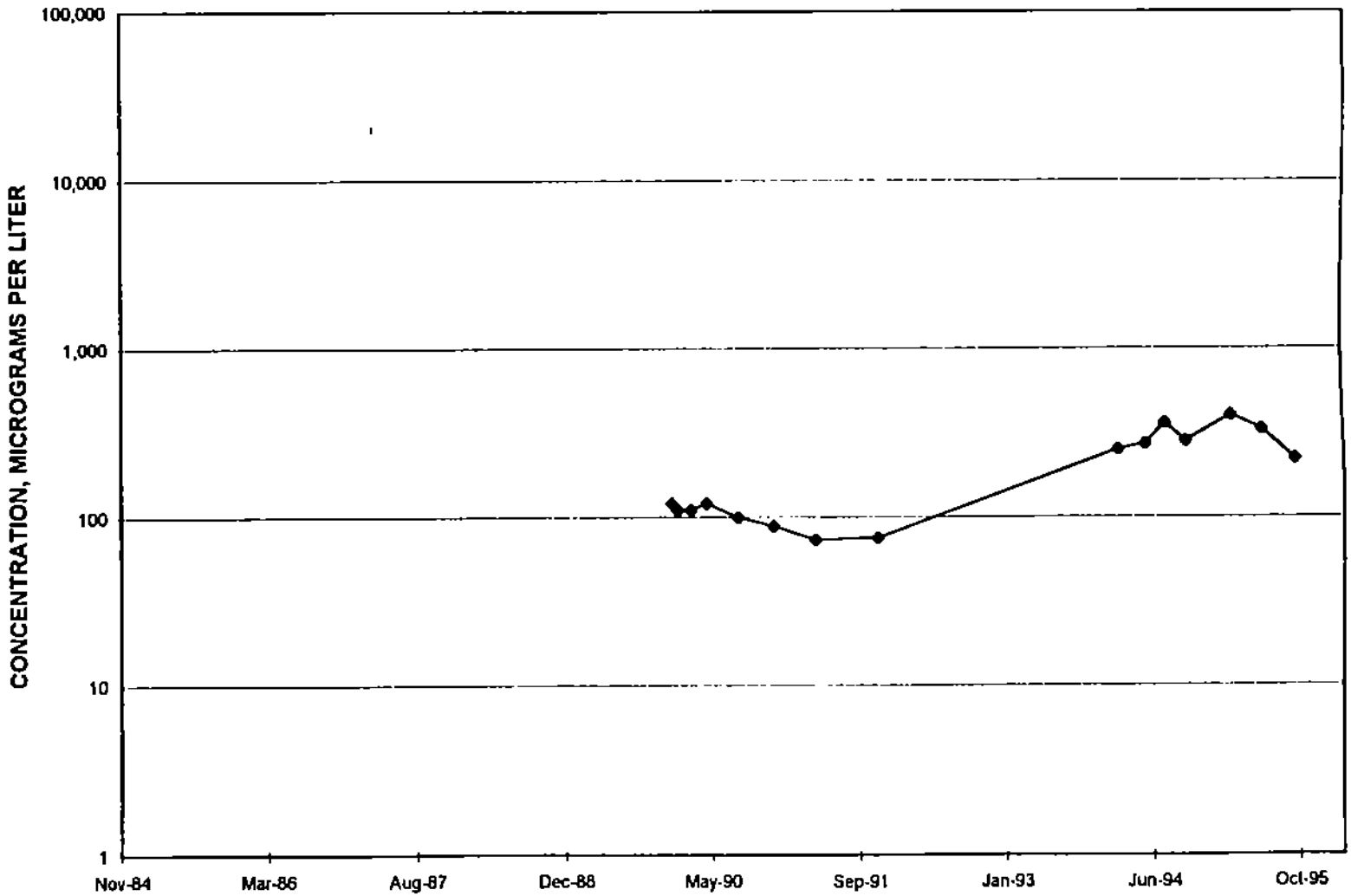

FIGURE G-71. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-08

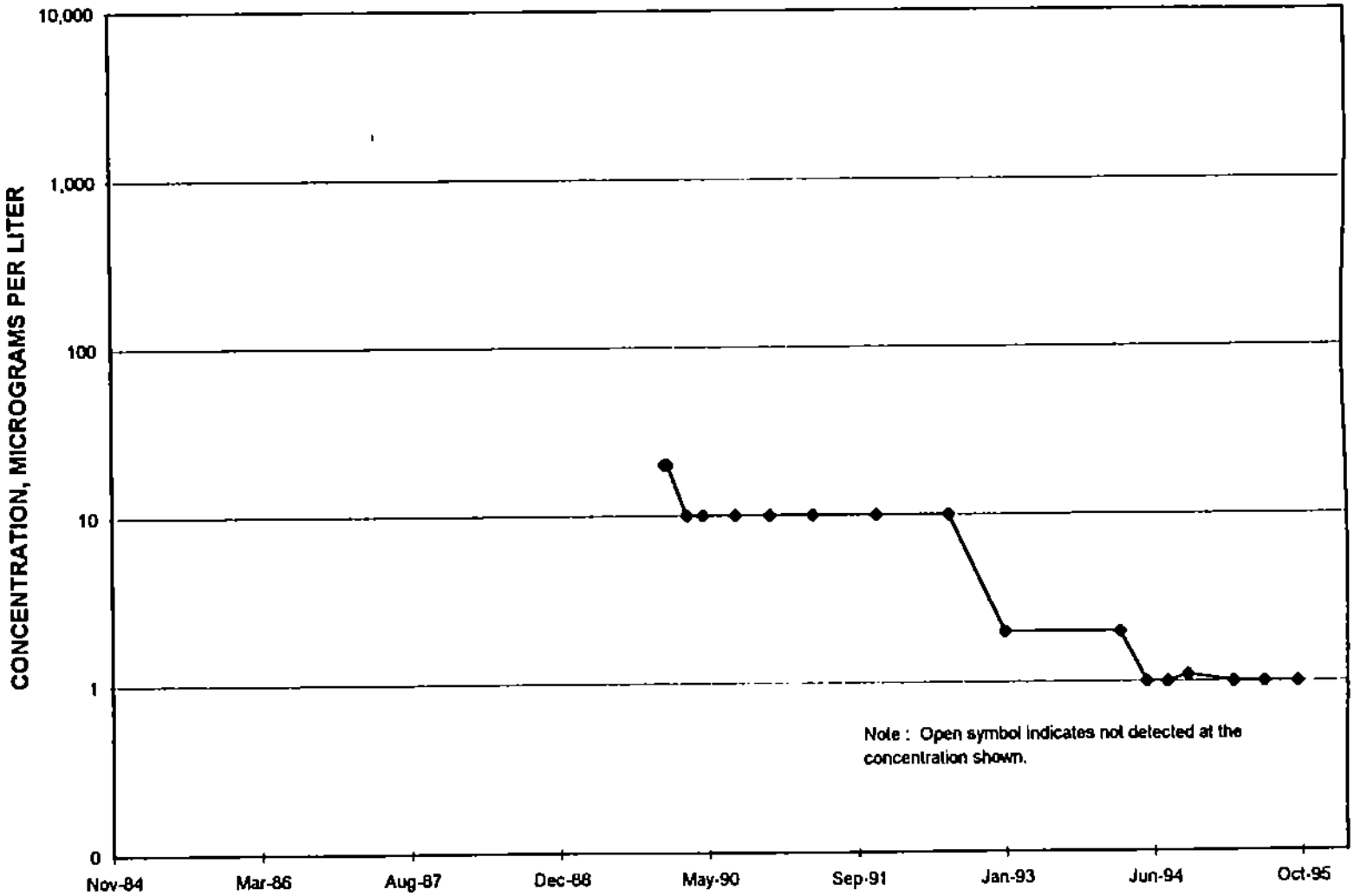

FIGURE G-72. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-09

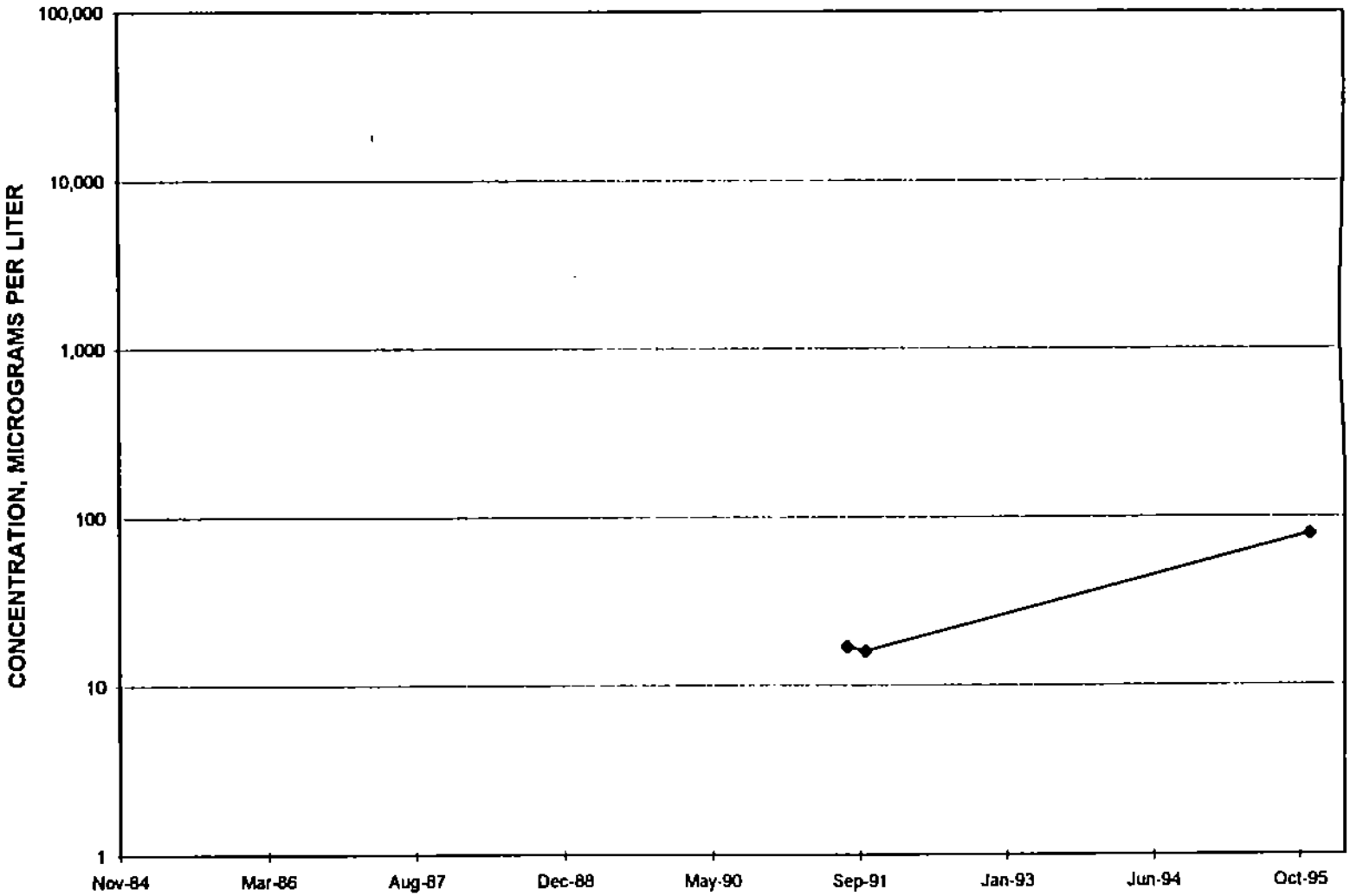

FIGURE G-73. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-10

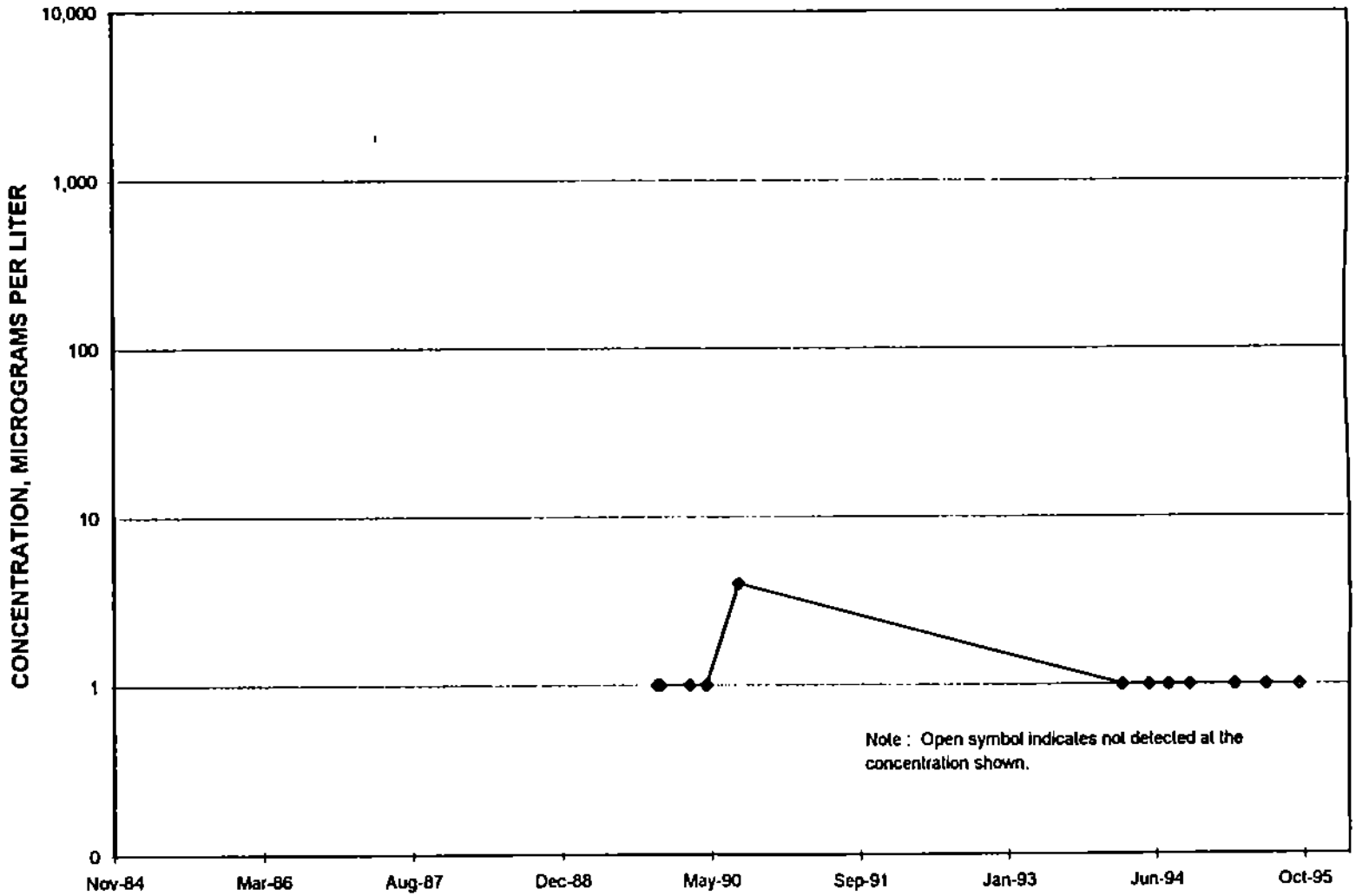

FIGURE G-74. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-11

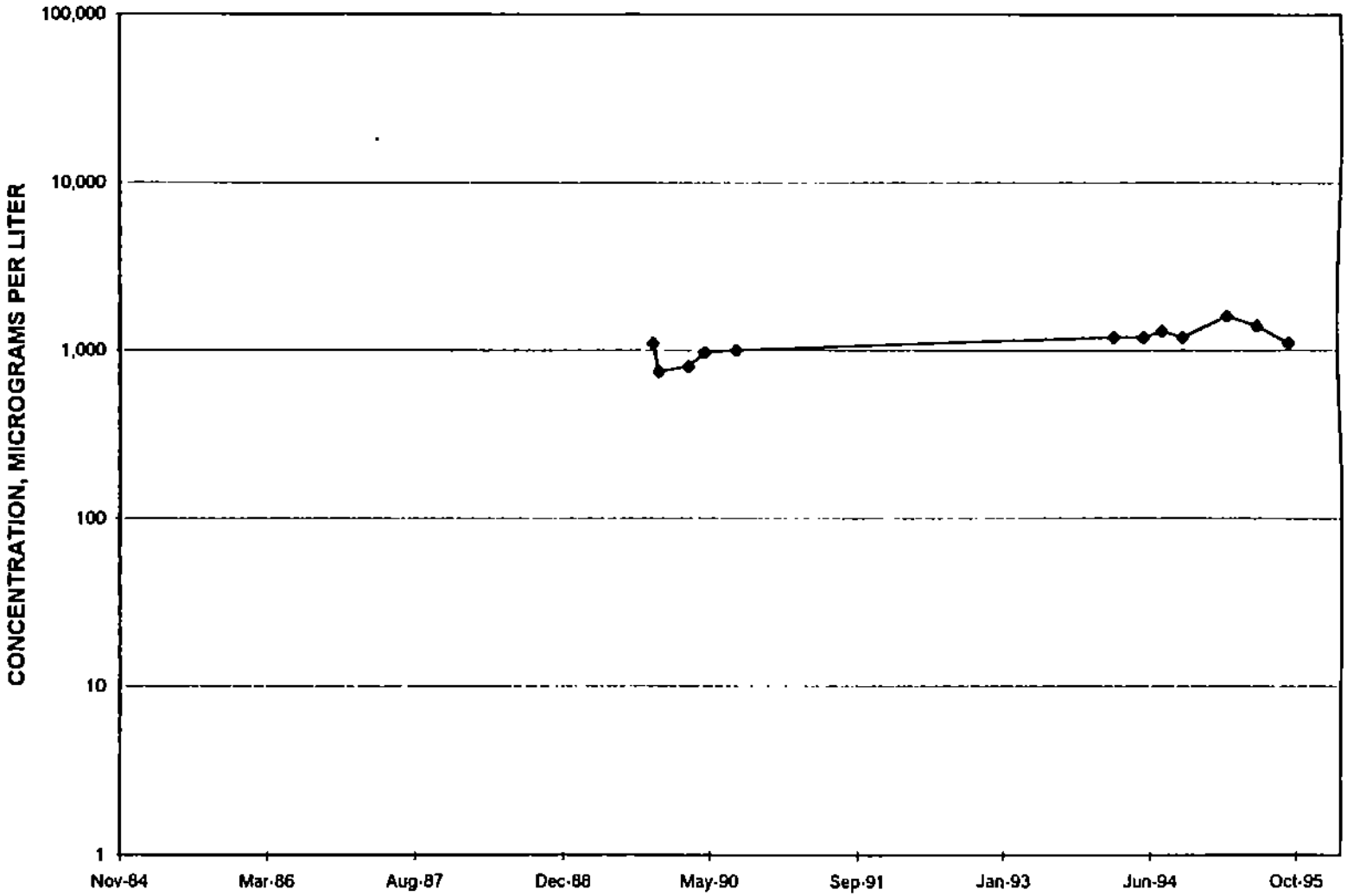

FIGURE G-75. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-12

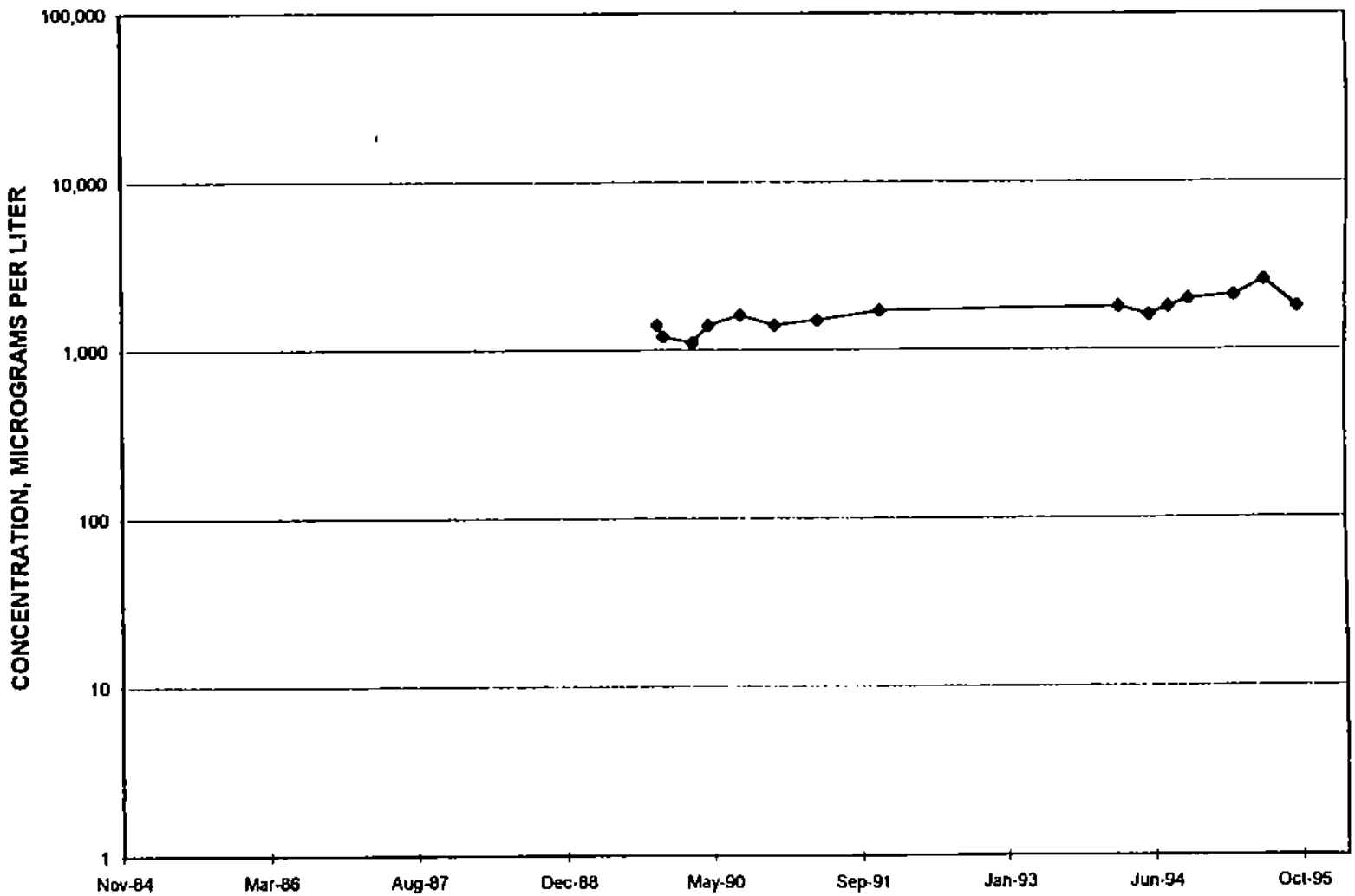

FIGURE G-76. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-13

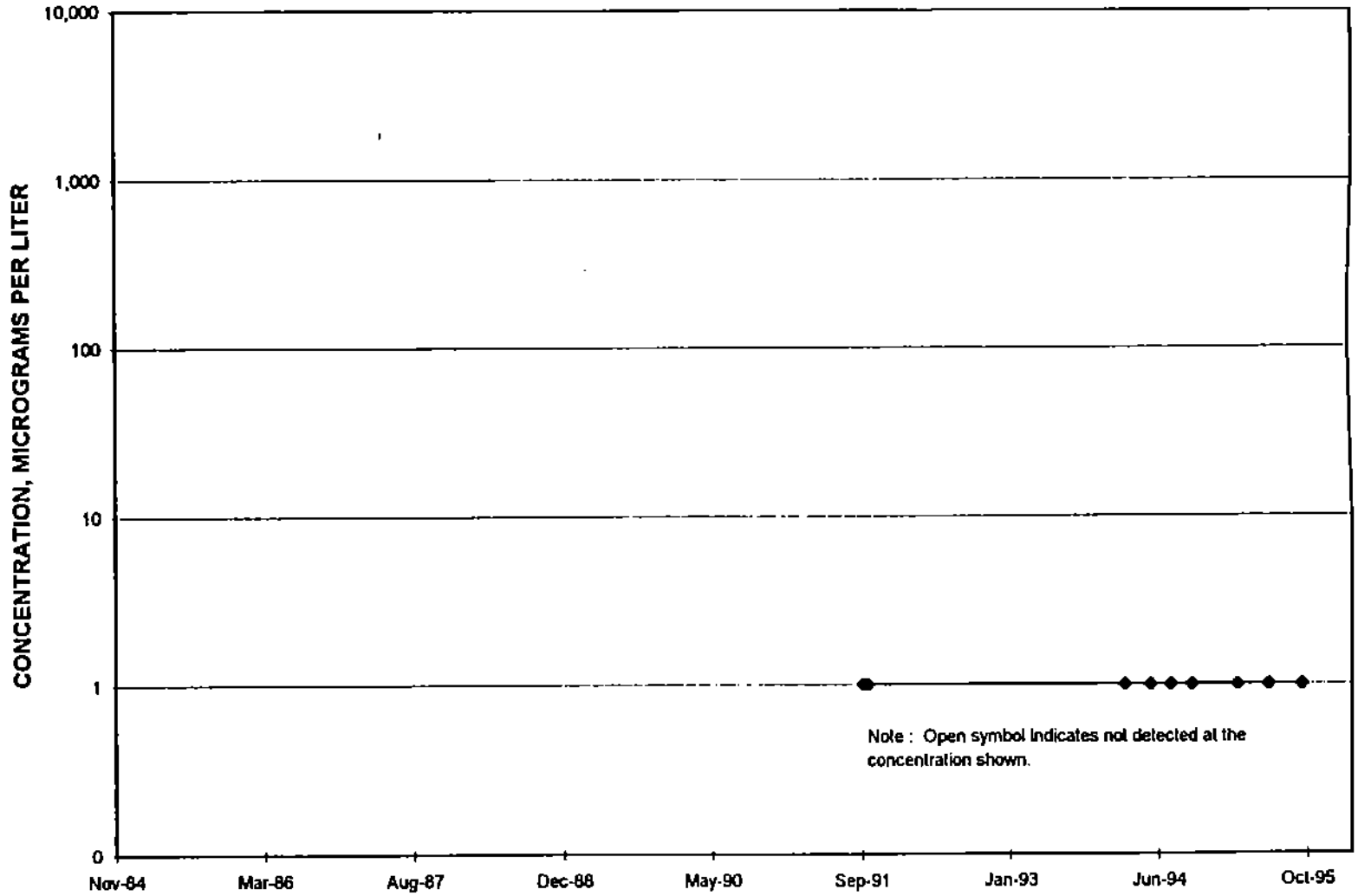

FIGURE G-77. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-14

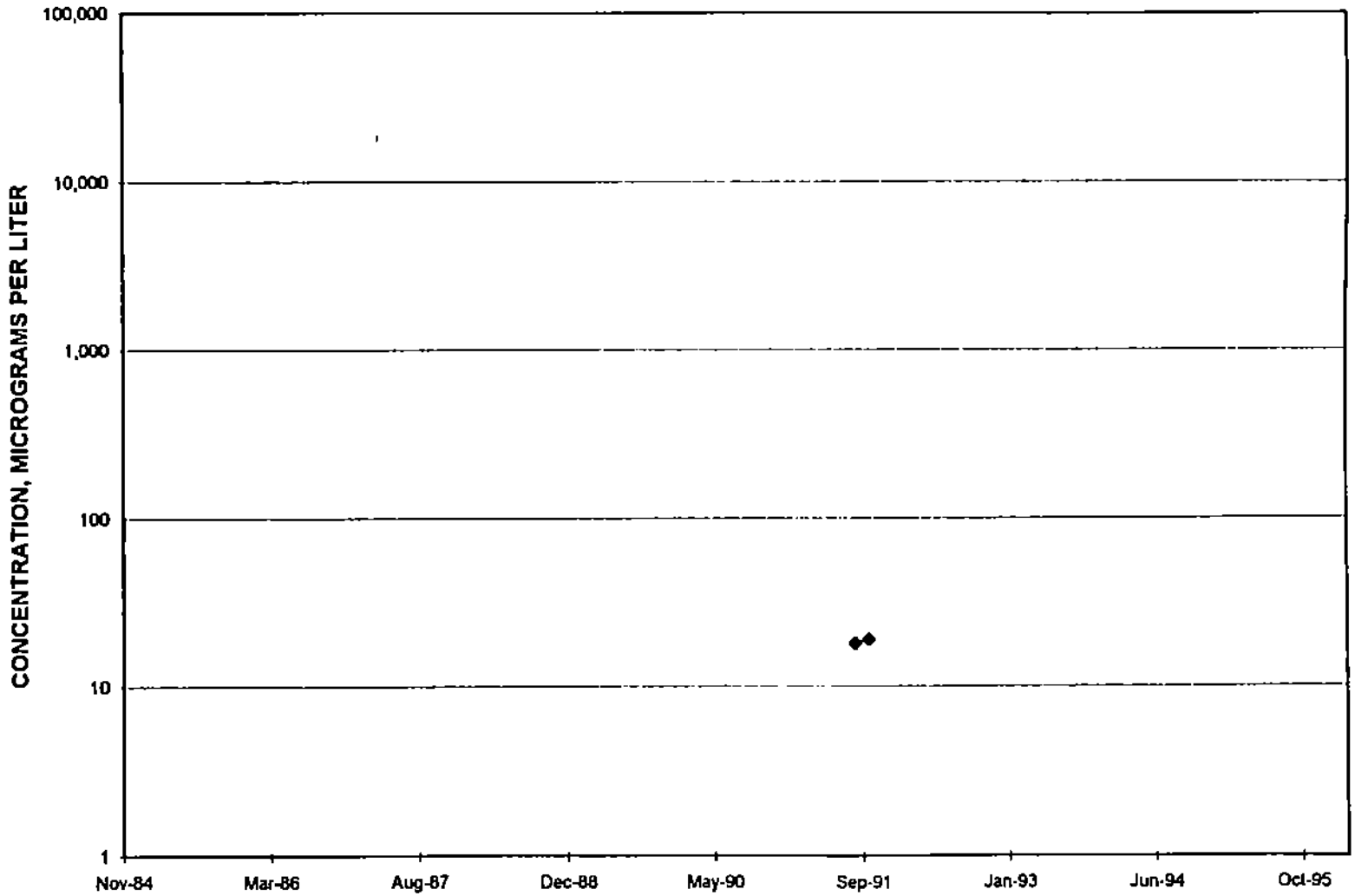

FIGURE G-78. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-15

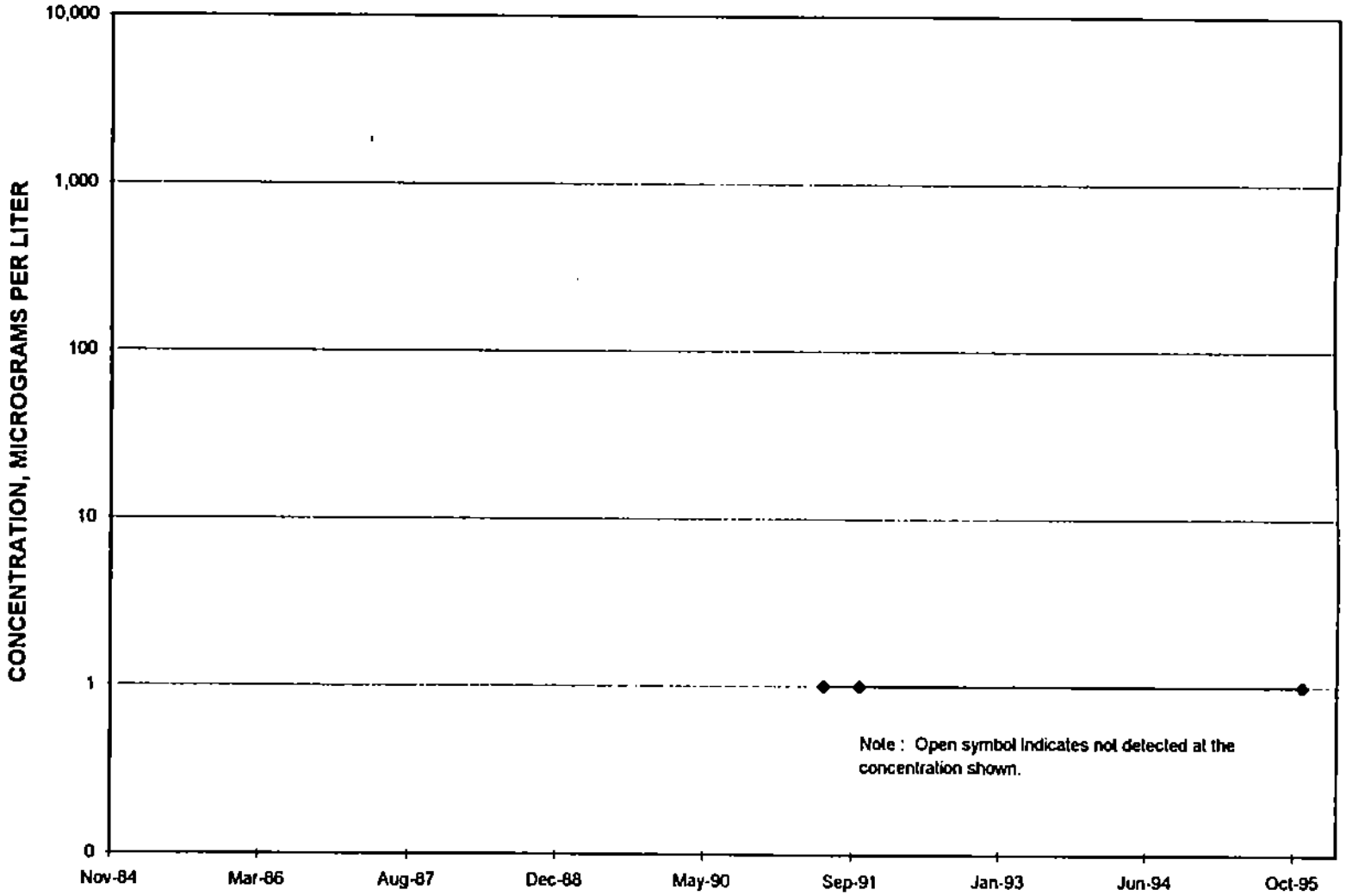

FIGURE G-79. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-16

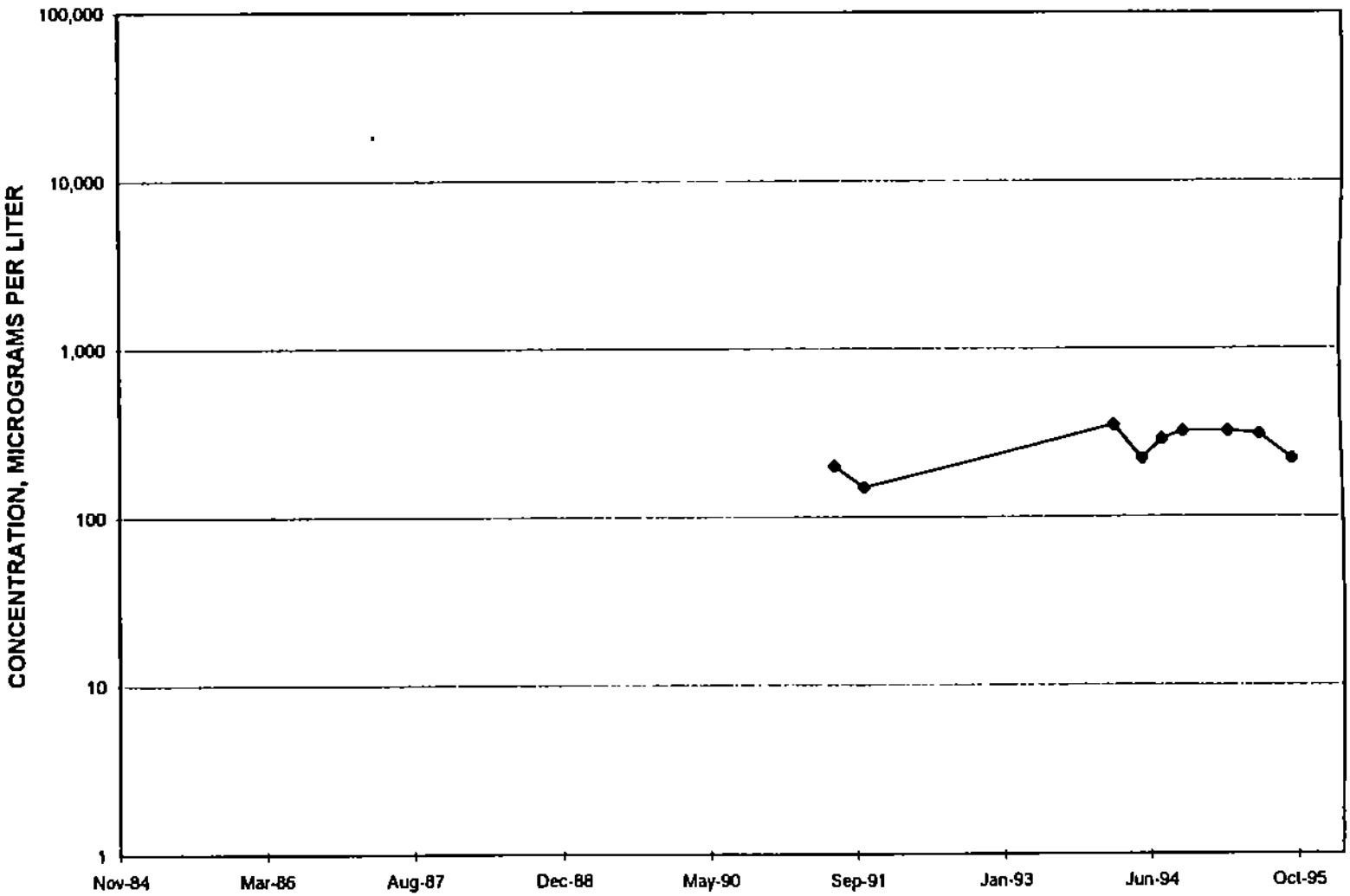

FIGURE G-80. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-17

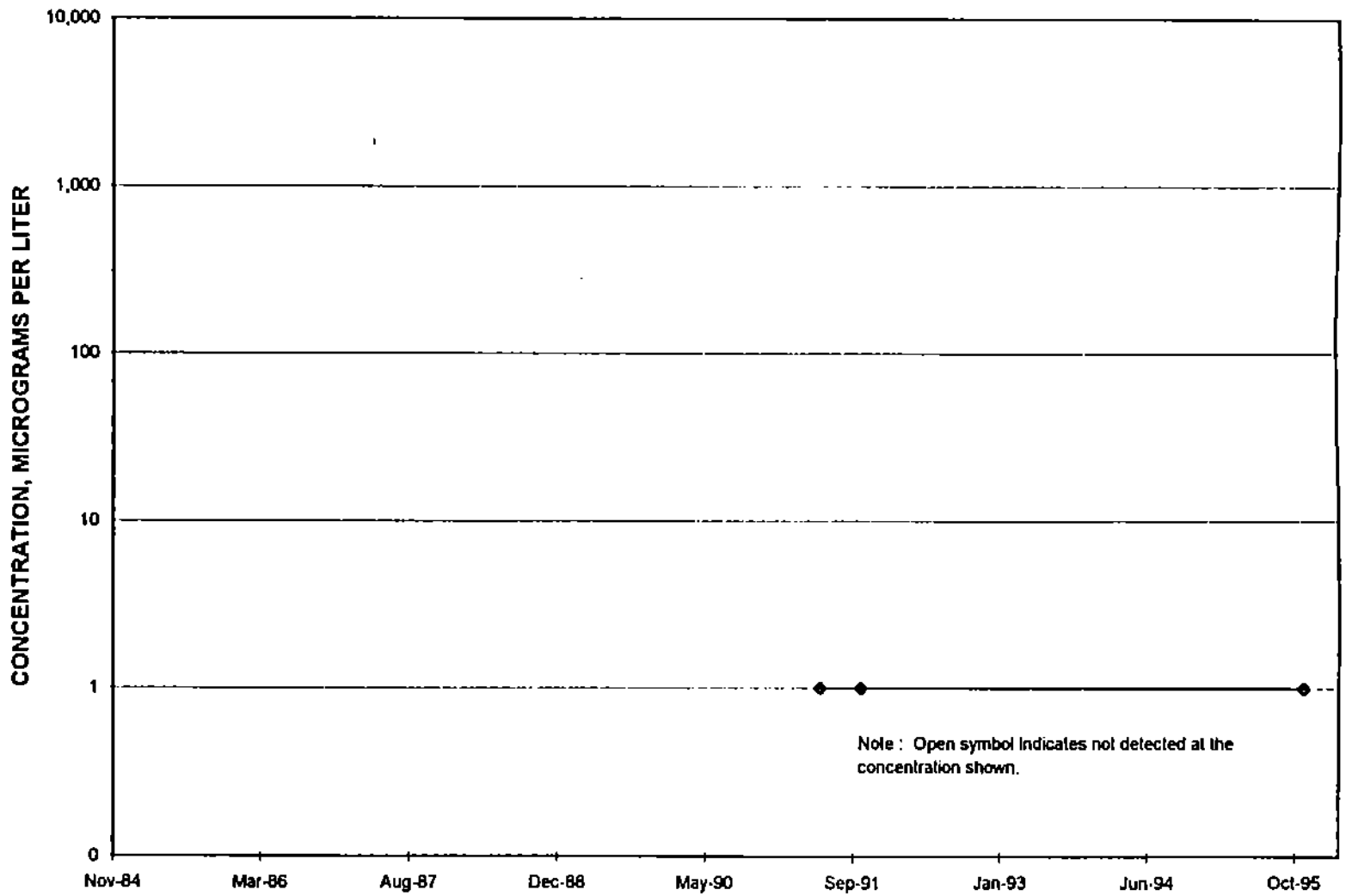

FIGURE G-81. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-18

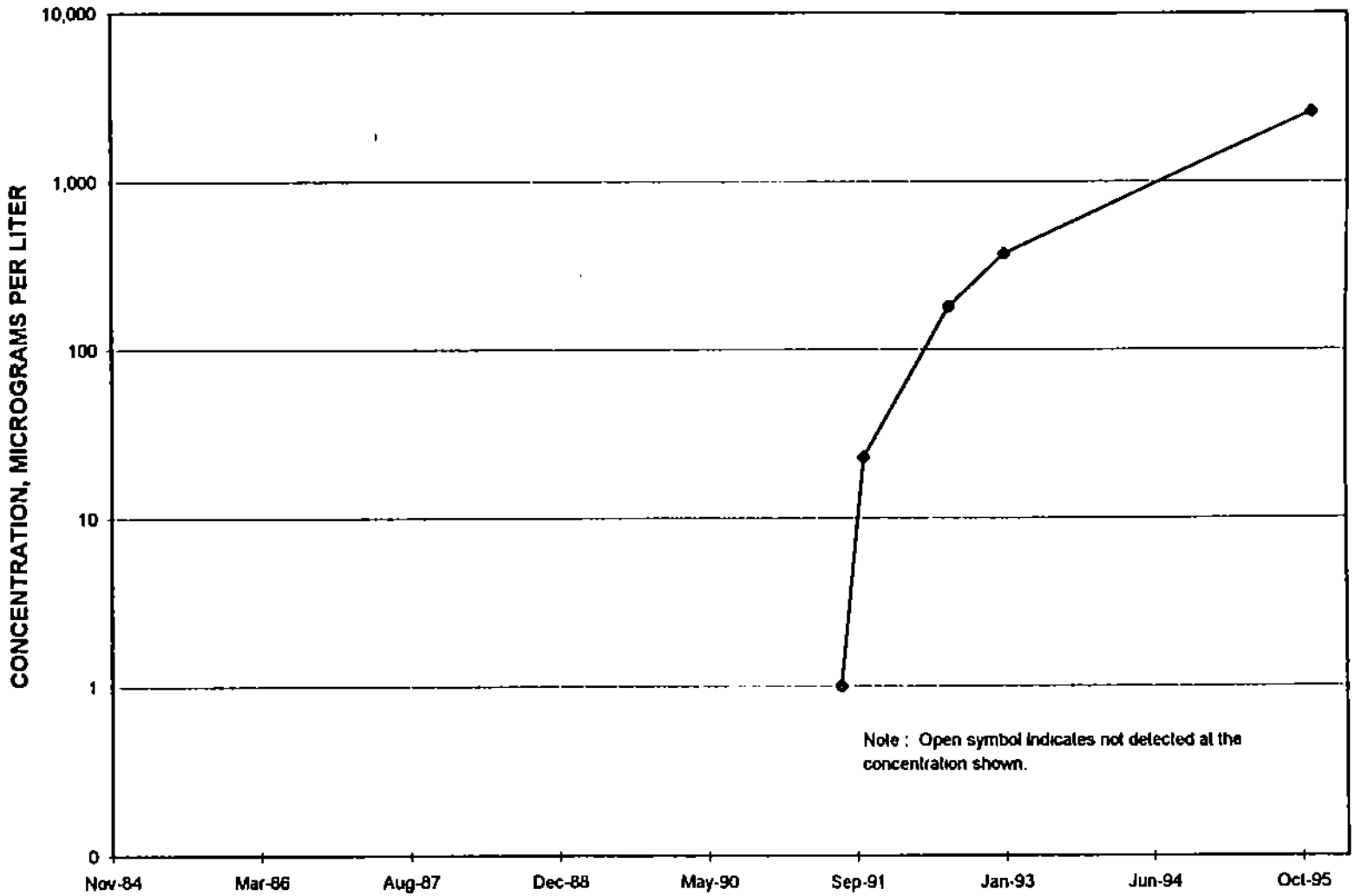

FIGURE G-82. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL G-19

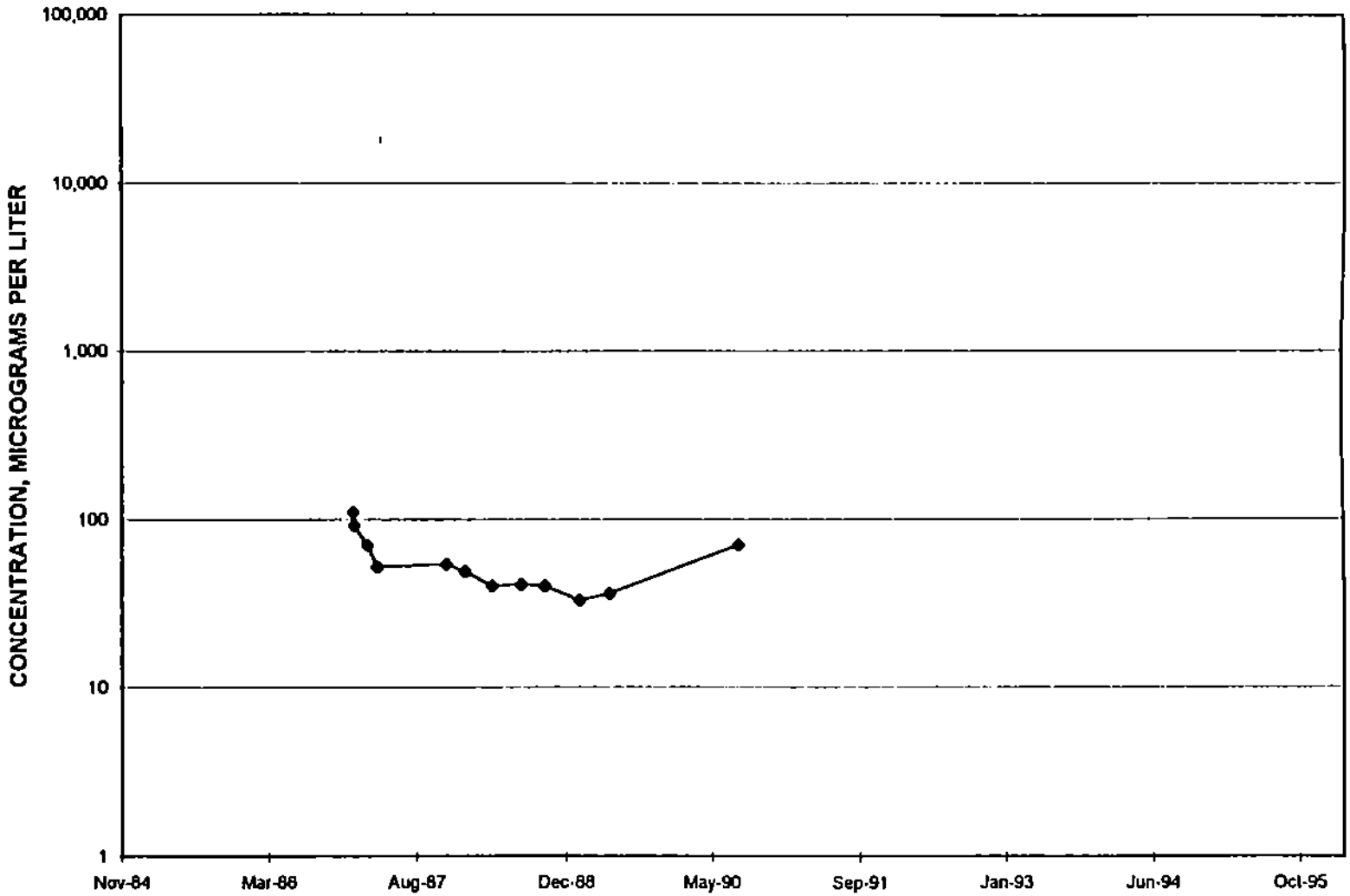

FIGURE G-83. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LG-01

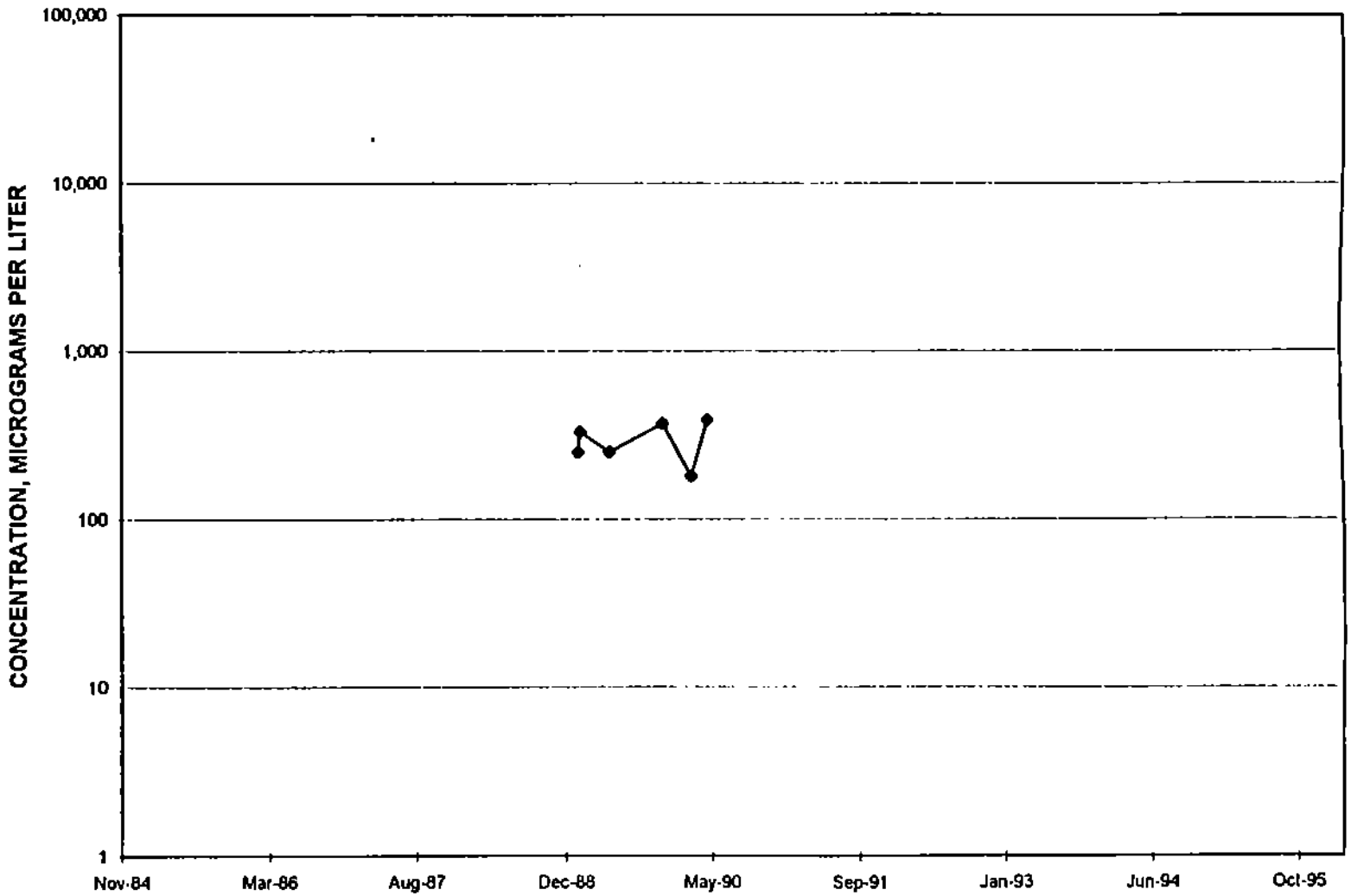

FIGURE G-84. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LG-02

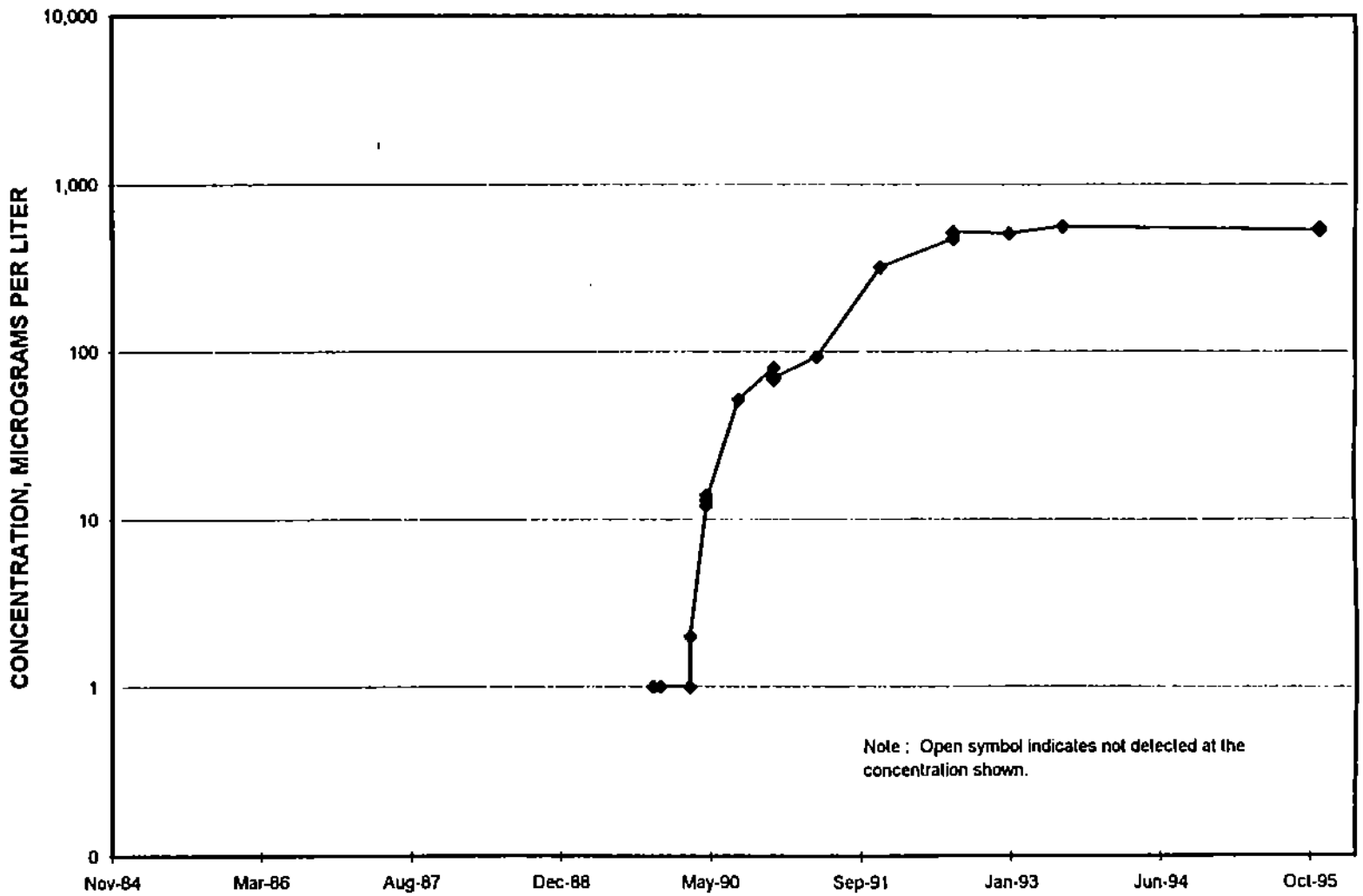

FIGURE G-85. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-01

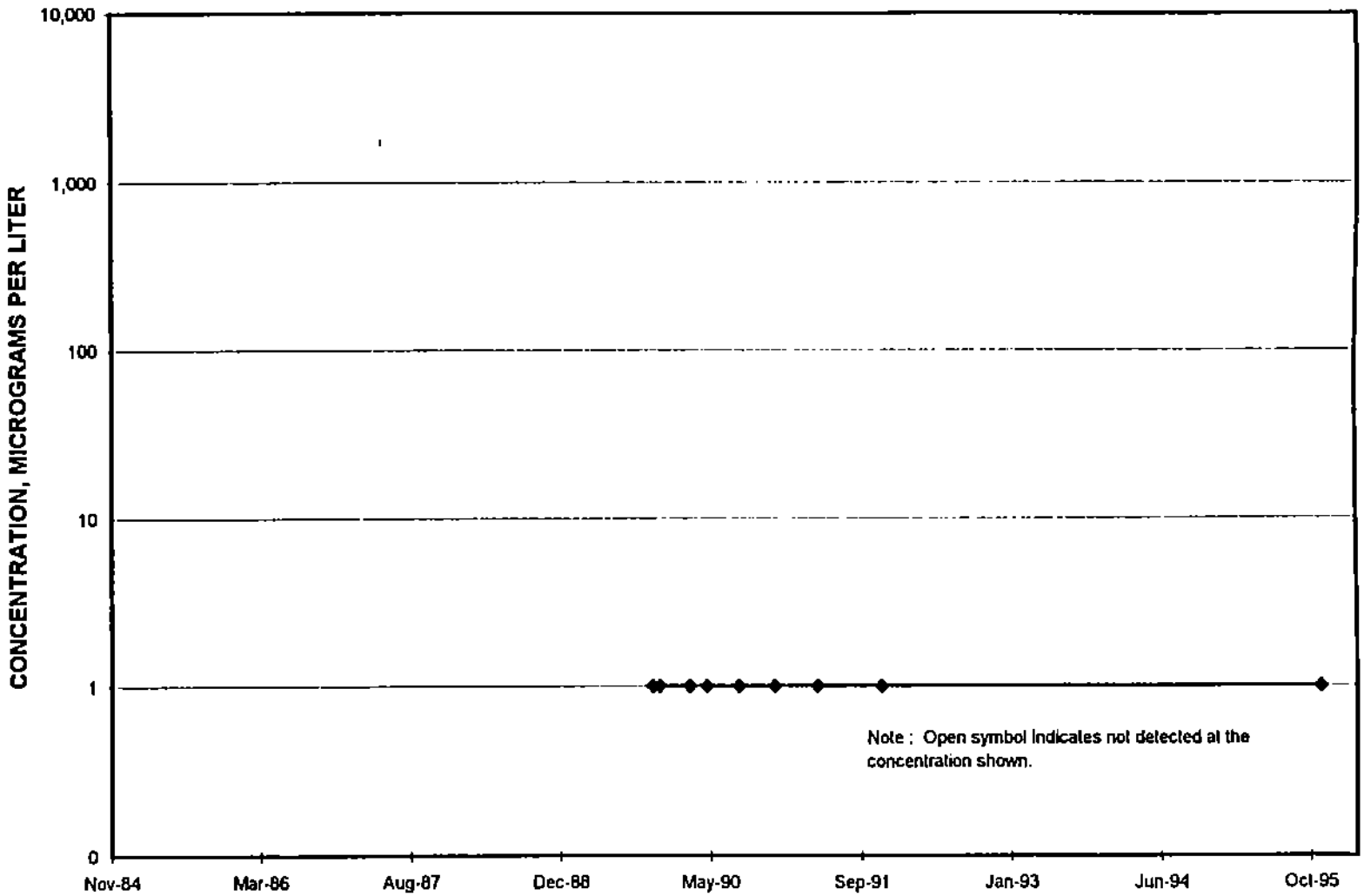

FIGURE G-86. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-02

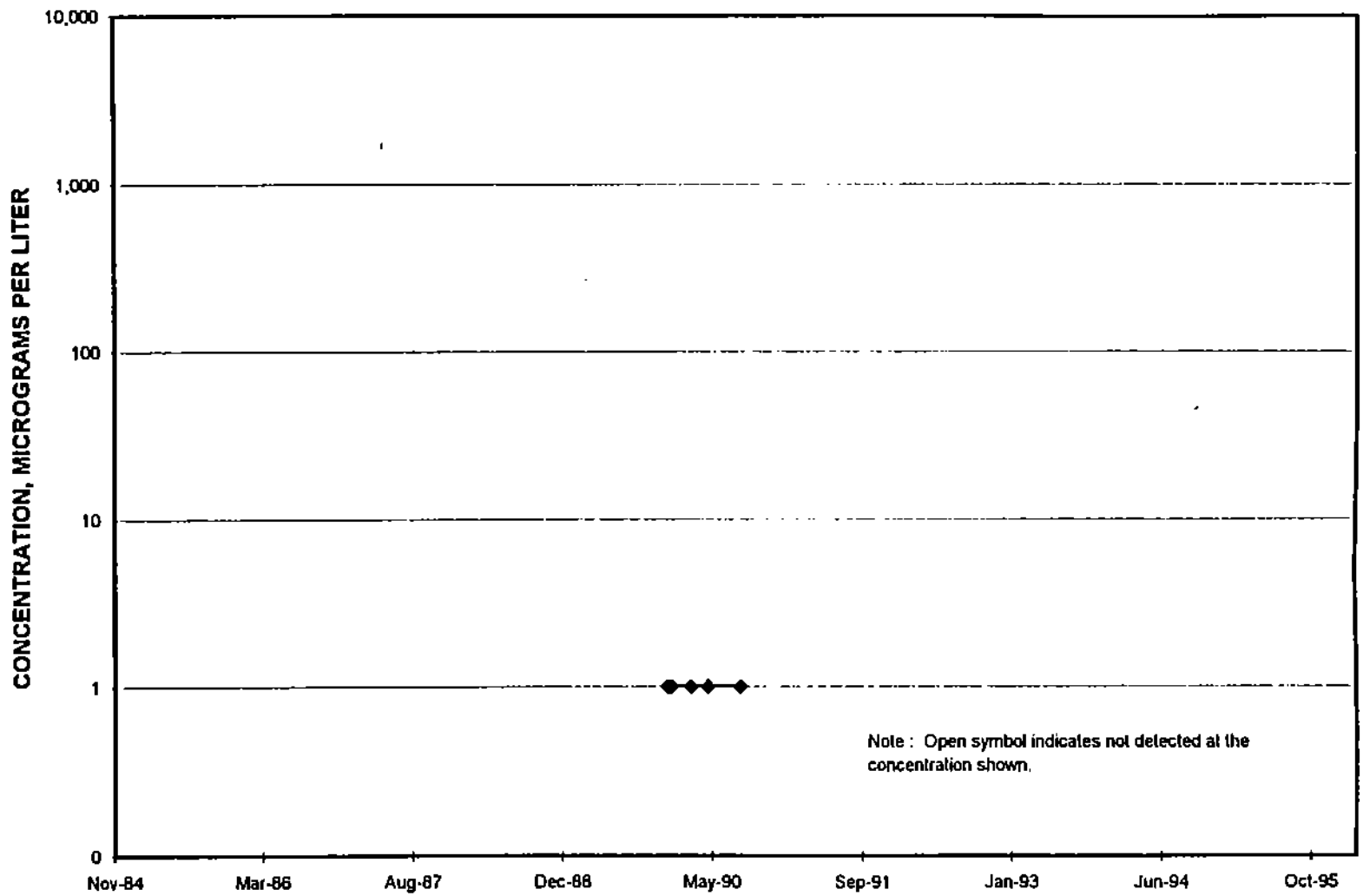

FIGURE G-87. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-03

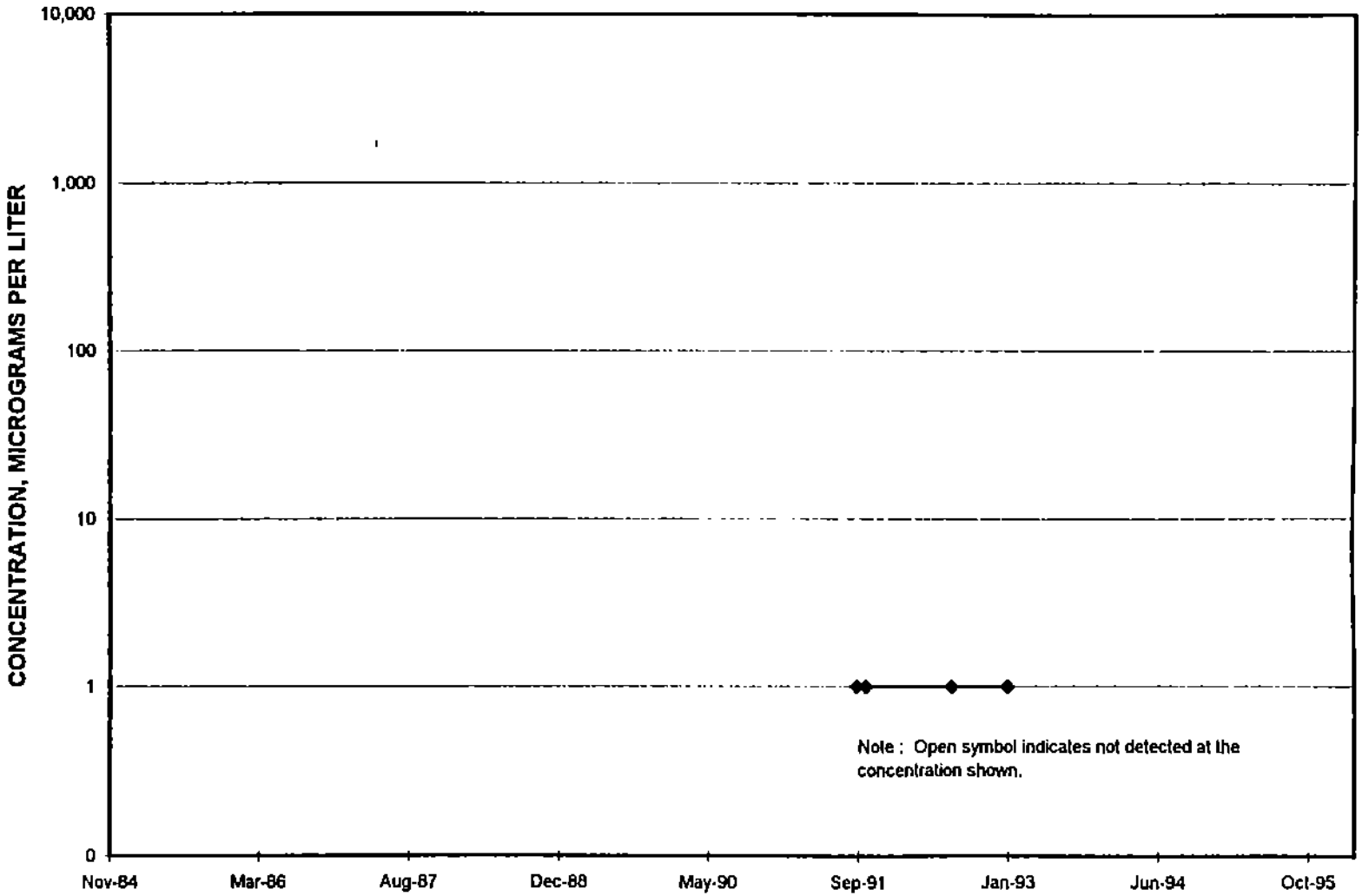

FIGURE G-88. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-04

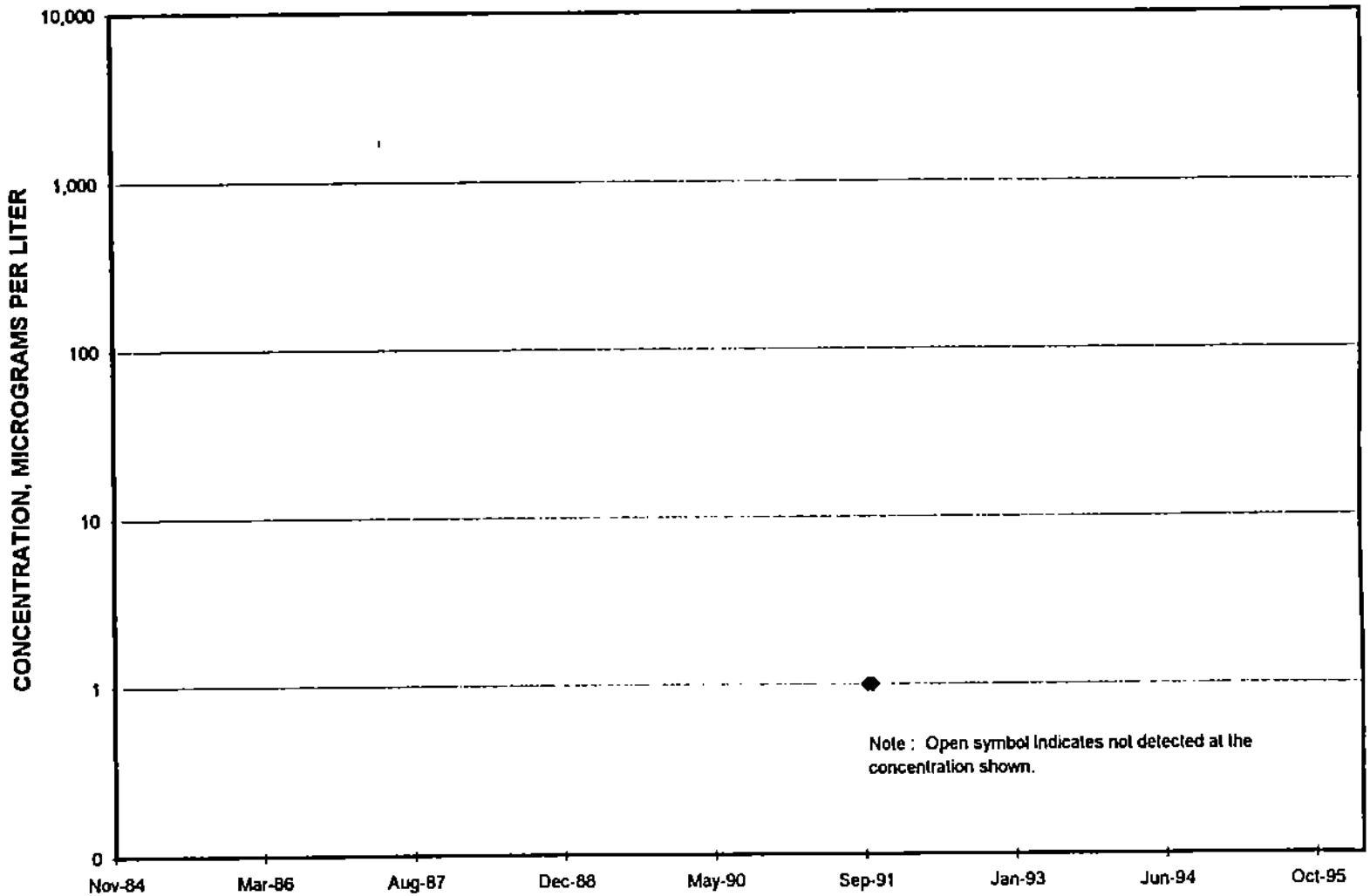

FIGURE G-89. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-05

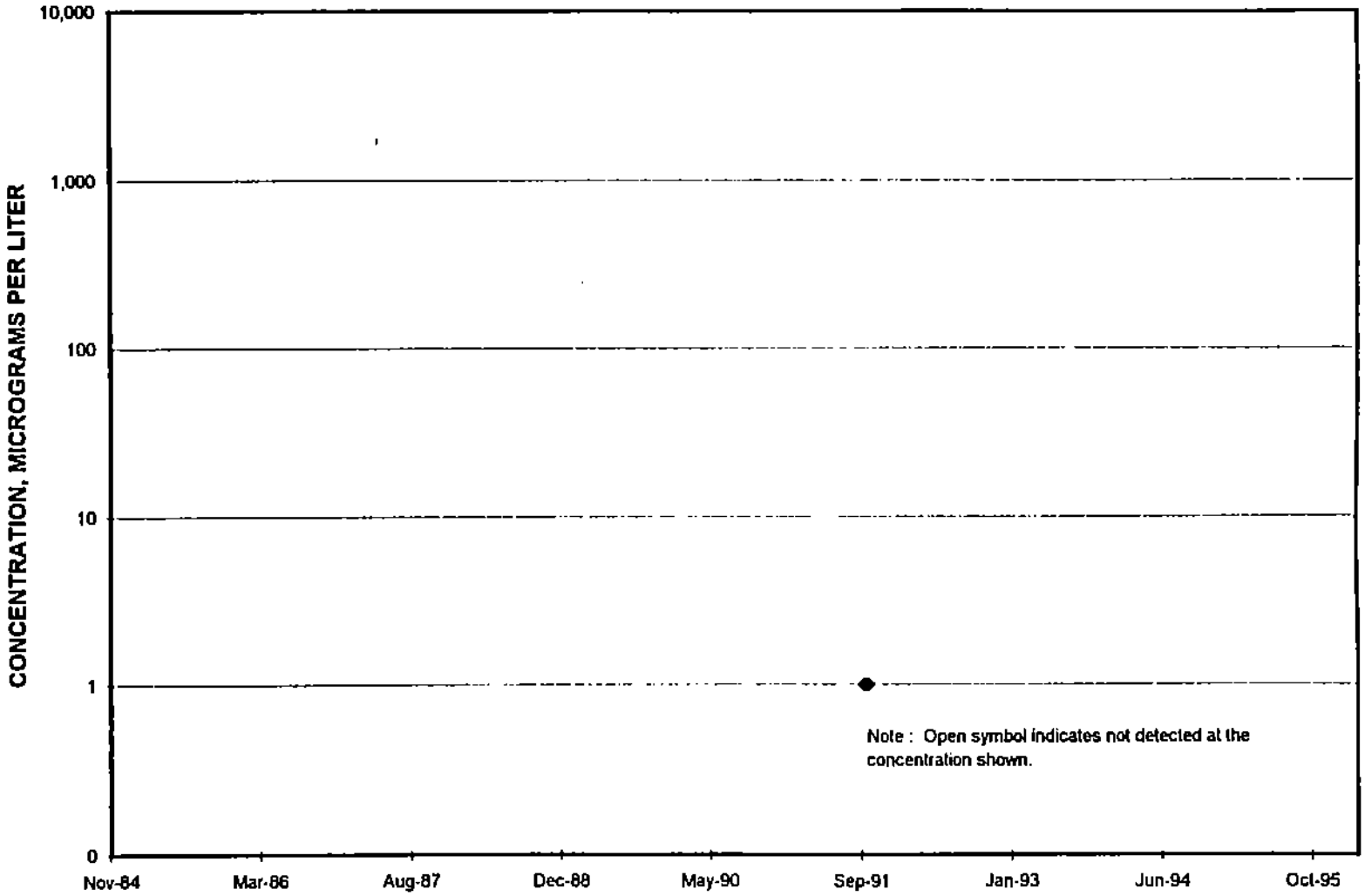

FIGURE G-90. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-06

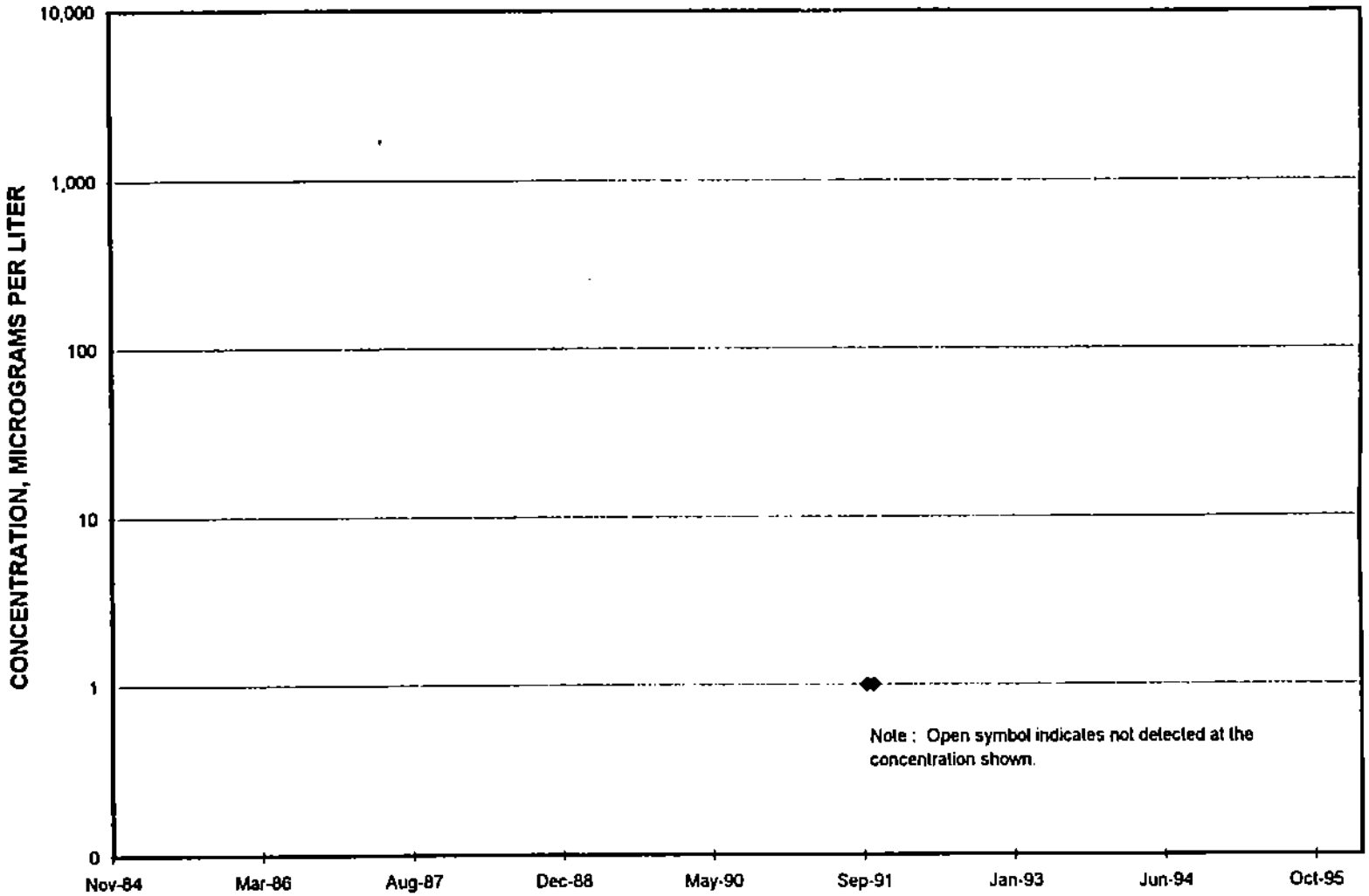

FIGURE G-91. CHLOROBENZENE IN GROUNDWATER, MONITOR WELL LW-07

APPENDIX H

ANALYTICAL RESULTS OF SOIL SAMPLES

APPENDIX H

ANALYTICAL RESULTS OF SOIL SAMPLES

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H.4 TRACE METALS IN SOIL

Note to Reader

EPA laboratory protocols require that the analytical results for soil samples be reported on a dry-weight basis. For reasons unknown to EPA, analytical results for soil samples collected and analyzed by Montrose during the period of 1981 to 1988 were reported by the laboratories on a wet-weight basis. Higher concentrations would have been indicated in these soil samples if the analytical results were reported, as required by EPA, on a dry-weight basis. As discussed in Section 4.1.2.4, soil samples collected from unsaturated soil above the water table ranged in moisture content from less than 1 percent to approximately 29 percent by weight. A typical moisture content for soil in the unsaturated zone was on the order of 12 percent by weight. A concentration of 1 mg/kg DDT reported on a wet-weight basis would therefore be equivalent to a dry-weight DDT concentration of between 1.01 mg/kg and 1.29 mg/kg, assuming the original sample had a moisture content comparable to those observed at the Site. On average, dry-weight concentrations, if reported, would be expected to be approximately 12 percent greater than the reported wet-weight concentrations. Therefore, it should be noted that the soil sample results from 1981 to 1988 in this report are, on average, approximately 12 percent lower than what should have been reported using standard EPA reporting protocols.

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	00/03-01-A00 ft bls 83/07/24 SC/ORG	00/08-01-A00 ft bls 83/07/24 SC/ORG	00/13-01-A00 ft bls 83/07/24 SC/ORG	00/18-01-A00 ft bls 83/07/24 SC/ORG	02/01-01-B01 1 ft bls 83/07/25 SC/ORG	02/02-01-B01 1 ft bls 83/07/24 SC/ORG	02/08-02-B03 3 ft bls 83/07/22 SC/ORG	02/08/01-B05 5 ft bls 83/07/22 SC/ORG	03/00-01-C01 1 ft bls 83/07/27 SC/ORG	03/01-01-B01 1 ft bls 83/07/25 SC/ORG	03/03-01-B01 1 ft bls 83/07/22 SC/ORG	03/03-01-C01 1 ft bls 83/07/27 SC/ORG	04/01-01-B01 1 ft bls 83/07/25 SC/ORG
2,4'-DDD	130	420	140	140	540	16000	1700	4	26	23	5	230	310
2,4'-DDE	42	280	88	200	240	4500	4600	27	11	270	5	250	460
2,4'-DDT	440	4600	940	1300	4400	55000	13000	75	170	1300	22	1300	1700
4,4'-DDD	130	740	160	180	1200	16000	2200	11	55	490	7	420	390
4,4'-DDE	450	1800	600	800	1700	40000	48000	220	55	1500	24	1400	2600
4,4'-DDT	2900	30000	6500	10000	23000	580000	37000	160	840	7500	88	7500	5200
Total DDT	4100	38000	8400	13000	31000	711500	106000	520	1200	11000	150	11000	11000

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	04/03-01-C01 1 ft bls 83/07/27 SC/ORG	05/01-01-C01 1 ft bls 83/07/26 SC/ORG	05/01-02-C01 1 ft bls 83/07/26 SC/ORG	06/01-01-C01 1 ft bls 83/07/26 SC/ORG	07/01-01-C01 1 ft bls 83/07/26 SC/ORG	07/01-02-C01 1 ft bls 83/07/26 SC/ORG	07/01-03-C01 1 ft bls 83/07/26 SC/ORG	07/03-01-C01 1 ft bls 83/07/26 SC/ORG	08/01-01-C01 1 ft bls 83/07/26 SC/ORG	09/03-01-C01 1 ft bls 83/07/26 SC/ORG	09/21-01-A08 ft bls 83/07/23 SC/ORG	10/03-01-B03 3 ft bls 83/07/24 SC/ORG	10/03-02-B04 4 ft bls 83/07/24 SC/ORG
2,4'-DDD	540	97	150	200	640	970	210	140	280	340	210	2000	14
2,4'-DDE	500	94	110	760	60	70	64	110	64	1300	330	2400	8
2,4'-DDT	3300	578	760	1200	7600	12000	310	500	2000	4100	1900	5900	22
4,4'-DDD	890	150	210	300	2400	3600	170	170	700	660	360	1400	3
4,4'-DDE	3200	640	760	1500	340	380	230	880	370	12000	3100	24000	26
4,4'-DDT	15700	2400	4400	7200	32000	44000	1200	2400	8500	14000	6800	30000	34
Total DDT	24000	3900	6400	11000	43000	68000	2200	4200	12000	32000	13000	66000	110

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	11/01-01-C01 1 ft bls 83/07/28 SC/ORG	11/03-01-C01 1 ft bls 83/07/26 SC/ORG	12/01-01-C01 1 ft bls 83/07/28 SC/ORG	12/16-01-A10 ft bls 83/07/22 SC/ORG	12/16-02-A10 ft bls 83/07/23 SC/ORG	12/21-01-B15 15 ft bls 83/07/28 SC/OR	12/24-01-A10 ft bls 83/07/22 SC/ORG	12/24-02-A10 ft bls 83/07/24 SC/ORG	13/01-01-C01 1 ft bls 83/07/28 SC/ORG	13/03-01-C01 1 ft bls 83/07/27 SC/ORG	13/21-01-C01 1 ft bls 83/07/28 SC/ORG	14/01-01-C01 1 ft bls 83/07/28 SC/ORG	14/03-01-C01 1 ft bls 83/07/27 SC/ORG
2,4'-DDD	370	1000	570	360	97	24	100	220	410	180	120	470	150
2,4'-DDE	150	490	130	28	46	3	39	110	47	60	60	89	110
2,4'-DDT	370	820	620	990	690	400	520	400	4800	1100	730	5700	980
4,4'-DDD	92	200	190	780	200	72	160	220	1500	410	250	1800	310
4,4'-DDE	480	1900	490	300	410	13	350	740	230	300	470	320	320
4,4'-DDT	1400	3000	2500	4600	2100	560	2300	3300	20000	6000	2500	29000	4800
Total DDT	2900	7500	4500	7100	3500	1100	3500	5500	27000	8100	4100	37000	6700

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	22/38-01-A05 ft bls 83/07/22 SC/ORG	22/38-02-A06 ft bls 83/07/24 SC/ORG	22/38-03-A05 ft bls 83/07/28 SC/ORG	22/39-01-A05 ft bls 83/07/22 SC/ORG	23/21-01-C01 1 ft bls 83/07/27 SC/ORG	23/23-01-C01 1 ft bls 83/07/27 SC/ORG	23/24-01-C01 1 ft bls 83/07/28 SC/ORG	23/25-01-C01 1 ft bls 83/07/27 SC/ORG	23/27-01-C01 1 ft bls 83/07/27 SC/ORG	S001 1 ft bls 83/06/15 BAC/ORG	S001 2.5 ft bls 83/06/15 BAC/ORG	S002 1 ft bls 83/06/15 BAC/ORG	S002 2.5 ft bls 83/06/15 BAC/ORG	S003 1 ft bls 83/06/15 BAC/FD	S003 1 ft bls 83/06/15 BAC/ORG
2,4'-DDD	36	36	32	14	12	26	17	480	6	0.24	5.4	71	0.63	8.5	8.5
2,4'-DDE	14	23	21	14	5	8	5	33	4	0.61	0.31	53	0.41	9.3	11
2,4'-DDT	160	170	120	95	97	240	150	39	78	2.9	4.4	1100	12	68	92
4,4'-DDD	47	42	45	20	24	75	36	99	18	0.8	1.3	210	2.7	18	24
4,4'-DDE	120	180	140	100	39	47	27	150	27	0.93	0.98	190	2.2	25	30
4,4'-DDT	1040	1100	760	615	410	1100	80	330	340	18	15	7200	20	400	550
Total DDT	1400	1600	1100	860	590	1500	920	1100	470	23	27	8800	37	530	720

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S003 2.5 ft bls 83/06/15 BAC/ORG	S004 0.6 ft bls 83/06/17 BAC/ORG	S004 1.6 ft bls 83/06/17 BAC/ORG	S004A 3.1 ft bls 83/08/10 BAC/FD	S004A 3.1 ft bls 83/08/10 BAC/ORG	S004A 6.25 ft bls 83/08/10 BAC/ORG	S005 1 ft bls 83/06/15 BAC/ORG	S005 2.5 ft bls 83/06/15 BAC/ORG	S005A 4 ft bls 83/08/09 BAC/ORG	S005A 5.5 ft bls 83/08/09 BAC/ORG	S006 0.6 ft bls 83/06/17 BAC/FD	S006 0.6 ft bls 83/06/17 BAC/ORG	S006 1.3 ft bls 83/06/17 BAC/ORG	S007 1 ft bls 83/06/15 BAC/ORG	S007 2.5 ft bls 83/06/15 BAC/ORG	S008 1 ft bls 83/06/15 BAC/ORG
2,4'-DDD	0.23	2.3	14	0.78	0.5	<0.001	85	4	0.003	<0.025	<2	<2	0.82	1.4	0.014	0.11
2,4'-DDE	0.2	1.2	15	1	<1	<0.001	73	0.8	0.003	<0.025	1.5	1.5	8.8	0.8	0.011	0.21
2,4'-DDT	1.6	26	92	11	5.9	0.006	850	15	0.2	0.17	58	46	11	18	0.24	3.5
4,4'-DDD	0.68	18	16	2.3	2.3	0.002	470	10	0.22	0.092	22	22	4.2	2.6	0.024	0.54
4,4'-DDE	0.5	2.2	17	3.3	1.9	0.002	240	2.3	0.004	0.044	27	27	1.1	3.8	0.11	0.84
4,4'-DDT	25	190	600	32	20	0.043	5100	90	0.88	0.99	500	470	20	78	3.8	22
Total DDT	28	240	750	50.38	31	0.0053	6800	120	1.3	1.3	610	570	46	110	4.2	27

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S008 2 ft bls 93/06/15 BAC/ORG	S009 1 ft bls 93/06/15 BAC/ORG	S009 2 ft bls 93/06/15 BAC/ORG	S010 0.6 ft bls 93/06/17 BAC/ORG	S010 2 ft bls 93/06/17 BAC/ORG	S010A 2 ft bls 93/06/10 BAC/ORG	S010A 4 ft bls 93/06/10 BAC/ORG	S011 0.6 ft bls 93/06/17 BAC/ORG	S011 2 ft bls 93/06/17 BAC/ORG	S012 1 ft bls 93/06/17 BAC/ORG	S012 2 ft bls 93/06/17 BAC/ORG	S012A 4.2 ft bls 93/06/10 BAC/ORG	S012A 5.1 ft bls 93/06/10 BAC/ORG	S013 1 ft bls 93/06/16 BAC/ORG	S013 1.6 ft bls 93/06/16 BAC/ORG	S014 0.6 ft bls 93/06/16 BAC/ORG	S014 1.1 ft bls 93/06/16 BAC/ORG
2,4'-DDD	<0.002	0.02	<0.002	5.1	4.1	0.003	<0.001	1.1	0.014	14	23	<0.001	<0.001	<0.01	0.17	0.34	0.17
2,4'-DDE	0.003	0.04	0.001	2.7	2.4	0.003	<0.001	0.75	0.015	12	8.8	<0.001	<0.001	0.027	0.24	1.8	0.11
2,4'-DDT	0.036	0.91	0.028	71	50	0.073	0.008	9.3	0.35	660	220	0.008	0.061	0.24	2.7	3.3	0.68
4,4'-DDD	0.004	0.24	0.004	20	7	0.016	0.004	2.2	0.15	150	64	0.001	0.019	0.029	0.24	0.48	0.12
4,4'-DDE	0.004	0.38	0.008	8	7.3	0.018	0.002	2.8	0.058	58	26	<0.001	0.01	0.41	0.98	6.4	0.65
4,4'-DDT	0.18	7.4	0.15	450	190	0.21	0.049	42	1.8	3000	1200	0.021	0.24	2.2	15	27	2.6
Total DDT	0.23	9	0.19	560	260	0.35	0.063	58	2.4	3900	1500	0.028	0.33	2.9	19	39	4.3

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S015 0.8 ft bls 83/06/16 BAC/FD	S015 0.8 ft bls 83/06/16 BAC/ORG	S015 1.6 ft bls 83/06/16 BAC/ORG	S016 0.6 ft bls 83/06/16 BAC/ORG	S016 1.4 ft bls 83/06/16 BAC/ORG	S017 1 ft bls 83/06/16 BAC/ORG	S017 2.5 ft bls 83/06/16 BAC/ORG	S018 1 ft bls 83/06/16 BAC/ORG	S018 2 ft bls 83/06/16 BAC/ORG	S019 0.6 ft bls 83/06/16 BAC/ORG	S019 1.6 ft bls 83/06/16 BAC/ORG	S020 0.6 ft bls 83/06/16 BAC/ORG	S020 1.4 ft bls 83/06/16 BAC/ORG	S021 0.6 ft bls 83/06/16 BAC/ORG	S021 1.1 ft bls 83/06/16 BAC/ORG	S022 0.6 ft bls 83/06/16 BAC/ORG
2,4'-DDD	0.11	0.11	<0.01	0.83	3.4	2.6	0.023	0.17	0.028	5.1	69	1.8	0.05	55	78	9.7
2,4'-DDE	0.25	0.25	0.06	0.53	2.4	4.3	0.05	0.2	0.023	3.2	12	5.3	0.11	24	41	4.7
2,4'-DDT	1.6	1.6	0.2	11	38	19	0.22	1	0.49	19	77	38	0.79	73	440	43
4,4'-DDD	0.28	0.28	0.04	0.81	12	5	0.032	0.23	0.06	8	64	8.3	0.09	150	42	19
4,4'-DDE	5.4	5.4	0.65	1.4	6.2	18	0.22	1.1	0.12	9.8	26	23	0.75	8	200	45
4,4'-DDT	8.9	8.9	1.5	70	420	90	1	5.8	2	160	690	200	3.9	680	1600	250
Total DDT	15	15	2.5	84	460	140	1.5	8.5	2.7	210	940	280	5.7	890	2400	370

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S022 1.1 ft bls 83/06/16 BAC/ORG	S023 0.6 ft bls 83/06/17 BAC/ORG	S023 1.3 ft bls 83/06/17 BAC/ORG	S023A 3.5 ft bls 83/08/10 BAC/ORG	S023A 5.2 ft bls 83/08/10 BAC/ORG	S024 0.6 ft bls 83/06/17 BAC/ORG	S024 1.3 ft bls 83/06/17 BAC/ORG	S024A 4.7 ft bls 83/08/10 BAC/FD	S024A 4.7 ft bls 83/08/10 BAC/ORG	S024A 6.2 ft bls 83/08/10 BAC/ORG	S029 1 ft bls 83/08/09 BAC/ORG	S029 3 ft bls 83/08/09 BAC/ORG	S030 0.7 ft bls 83/08/09 BAC/ORG	S030 2.2 ft bls 83/08/09 BAC/ORG	S031 1 ft bls 83/08/09 BAC/ORG	S031 3 ft bls 83/08/09 BAC/FD
2,4'-DDD	1.6	180	180	<0.1	<0.01	<400	920	0.18	0.35	<0.01	8.3	<0.001	2.6	<0.2	<0.05	1.8
2,4'-DDE	12	29	29	<0.01	<0.01	<200	880	0.12	<0.1	<0.01	65	<0.001	<1	<0.2	<0.05	0.87
2,4'-DDT	170	3300	2700	0.43	0.62	9000	7300	0.57	3.5	0.097	38	0.01	24	1.8	0.67	4.8
4,4'-DDD	74	1100	1000	0.86	0.38	4300	2200	3.6	1.1	0.079	52	0.005	25	0.79	0.25	4.6
4,4'-DDE	17	75	140	0.095	0.07	530	1500	0.43	0.32	0.025	12	0.011	17	0.86	0.15	0.93
4,4'-DDT	800	16000	16000	5.9	3	81000	46000	7.6	6.8	0.64	340	0.046	120	7.8	4.5	10
Total DDT	1100	21000	20000	7.3	4.1	95000	59000	12.5	12	0.84	520	0.072	190	11	5.8	22.2

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S031 3 ft bls 83/08/09 BAC/ORG	S032 1.6 ft bls 83/08/09 BAC/ORG	S032 3.8 ft bls 83/08/09 BAC/ORG	S033 0.5 ft bls 83/08/09 BAC/ORG	S033 2.2 ft bls 83/08/09 BAC/ORG	S034 0.6 ft bls 83/08/09 BAC/ORG	S034 2.4 ft bls 83/08/09 BAC/ORG	S035 1 ft bls 83/08/09 BAC/ORG	S035 2.6 ft bls 83/08/09 BAC/ORG	S036 1.8 ft bls 83/08/09 BAC/ORG	S036 3 ft bls 83/08/09 BAC/FD	S036 3 ft bls 83/08/09 BAC/ORG	S037 1 ft bls 83/08/09 BAC/ORG	S037 3.3 ft bls 83/08/09 BAC/ORG	S038 1 ft bls 83/08/09 BAC/ORG	S038 2.6 ft bls 83/08/09 BAC/ORG	S039 1 ft bls 83/08/09 BAC/ORG
2,4'-DDD	1.1	55	0.16	2.5	<0.1	130	<10	4.3	1.8	<1000	19	<4	17	0.003	4.1	<0.2	19
2,4'-DDE	<1	<50	<0.2	0.82	<0.1	<50	<10	1.4	1	<1000	29	38	8	0.003	2.8	<0.2	12
2,4'-DDT	11	460	2.2	22	1.8	790	71	24	11	6500	26	12	62	0.16	33	0.9	210
4,4'-DDD	14	410	0.58	19	0.35	200	88	42	11	1700	110	58	53	0.11	16	0.58	110
4,4'-DDE	3	210	0.43	5.4	0.32	110	31	5.8	2.9	2300	54	92	24	0.002	12	0.35	40
4,4'-DDT	43	1200	8	78	6.6	1700	620	180	35	4800	220	210	830	2.4	180	4.5	920
Total DDT	72	2300	12	130	9.1	2900	810	260	63	15000	458	410	1000	2.7	250	6.3	1300

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S039 1.1 ft bls 83/08/09 BAC/ORG	S040 1.2 ft bls 83/08/09 BAC/ORG	S040 3 ft bls 83/08/09 BAC/ORG
2,4'-DDD	0.19	<0.5	<0.01
2,4'-DDE	<0.1	<0.5	<0.01
2,4'-DDT	1.5	2.5	0.04
4,4'-DDD	1.1	1.7	0.04
4,4'-DDE	0.23	0.87	0.013
4,4'-DDT	6	10	0.19
Total DDT	8	15	0.28

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW001 11.5 ft bls 85/04/24 BAC/ORG	MW001 17 ft bls 85/04/25 BAC/ORG	MW001 22 ft bls 85/04/25 BAC/ORG	MW001 27 ft bls 85/04/25 BAC/ORG	MW001 32 ft bls 85/04/25 BAC/ORG	MW001 37 ft bls 85/04/25 BAC/ORG	MW001 42 ft bls 85/04/25 BAC/ORG	MW001 47 ft bls 85/04/25 BAC/ORG	MW001 52 ft bls 85/04/25 BAC/ORG	MW001 57 ft bls 85/04/25 BAC/FD	MW001 57 ft bls 85/04/25 BAC/ORG	MW001 6.5 ft bls 85/04/24 BAC/ORG	MW001 62 ft bls 85/04/25 BAC/ORG	MW001 67 ft bls 85/04/25 BAC/ORG	MW001 72 ft bls 85/04/26 BAC/ORG	MW001 77 ft bls 85/04/26 BAC/ORG
2,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
4,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2
Chloral	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total DDT	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW002 11.5 ft bls 85/04/24 BAC/ORG	MW002 17 ft bls 85/04/27 BAC/ORG	MW002 22 ft bls 85/04/27 BAC/ORG	MW002 27 ft bls 85/04/27 BAC/ORG	MW002 32 ft bls 85/04/27 BAC/ORG	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	MW002 52 ft bls 85/04/27 BAC/ORG	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 6.5 ft bls 85/04/24 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW002A 6.5 ft bls 85/04/24 BAC/ORG
2,4'-DDD	11	<0.05	0.93	59	9.2	0.88[EH]	0.07[EH]	11[EH]	14[EH]	1.5[EH]	<0.05	54[EH]	15[EH]	11[EH]	72[EH]	45
2,4'-DDE	130	0.5	0.053	1.2	0.44	0.1[EH]	<0.05[EH]	0.46[EH]	0.85[EH]	0.07[EH]	<0.05	1.9[EH]	0.45[EH]	0.99[EH]	5.5[EH]	180
2,4'-DDT	450	220	14	650	240	1.6[EH]	0.55[EH]	180[EH]	230[EH]	23[EH]	<0.2	1300[EH]	300[EH]	150[EH]	1100[EH]	310
4,4'-DDD	110	44	3.2	156	39	1.4[EH]	0.06[EH]	42[EH]	52[EH]	6.3[EH]	<0.05	250[EH]	54[EH]	39[EH]	280[EH]	82
4,4'-DDE	30	12	1.1	56	18	0.07[EH]	<0.05[EH]	8.5[EH]	11[EH]	2.2[EH]	<0.05	211[EH]	12[EH]	12[EH]	120[EH]	240
4,4'-DDT	990	1000	100	2800	1000	2.3[EH]	1.3[EH]	560[EH]	690[EH]	120[EH]	<0.2	6800[EH]	770[EH]	560[EH]	3400[EH]	1400
Chlorsl	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5
Total DDT	1721	1278.5	119.3	3724.2	1304.64	6.35[EH]	2[EH]	801.96[EH]	997.85[EH]	153.07[EH]	<0.6	8616.9[EH]	1151.45[EH]	772.99[EH]	4977.5[EH]	2257

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW003 11.5 ft bls 85/04/24 BAC/ORG	MW003 17 ft bls 85/04/26 BAC/FD	MW003 17 ft bls 85/04/26 BAC/ORG	MW003 22 ft bls 85/04/26 BAC/ORG	MW003 27 ft bls 85/04/26 BAC/ORG	MW003 32 ft bls 85/04/26 BAC/ORG	MW003 37 ft bls 85/04/26 BAC/ORG	MW003 42 ft bls 85/04/26 BAC/ORG	MW003 47 ft bls 85/04/26 BAC/ORG	MW003 52 ft bls 85/04/26 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 6.5 ft bls 85/04/24 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG	MW003 72 ft bls 85/04/27 BAC/ORG	MW003 77 ft bls 85/04/27 BAC/ORG
2,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[EH]	0.05	<0.05[EH]	<0.05[EH]	0.06[EH]	<0.05[EH]
2,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05[EH]	0.1	<0.05[EH]	<0.05[EH]	<0.05[EH]	<0.05[EH]
2,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.33[EH]	0.9	0.25[EH]	0.45[EH]	<0.2[EH]	<0.2[EH]
4,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06[EH]	0.2	0.06[EH]	0.22[EH]	<0.05[EH]	<0.05[EH]
4,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27[EH]	0.8	<0.05[EH]	0.22[EH]	<0.05[EH]	<0.05[EH]
4,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.1[EH]	5.4	1.2[EH]	2.5[EH]	0.28[EH]	0.37[EH]
Chloral	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5[EH]	<0.5	<0.5[EH]	<0.5[EH]	<0.5[EH]	<0.5[EH]
Total DDT	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	1.76[EH]	7.45	1.51[EH]	3.39[EH]	0.35[EH]	0.37[EH]

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW004 11.5 ft bls 85/04/24 BAC/ORG	MW004 17 ft bls 85/04/26 BAC/ORG	MW004 22 ft bls 85/04/26 BAC/ORG	MW004 27 ft bls 85/04/26 BAC/ORG	MW004 32 ft bls 85/04/26 BAC/FD	MW004 32 ft bls 85/04/26 BAC/ORG	MW004 37 ft bls 85/04/26 BAC/ORG	MW004 43 ft bls 85/04/26 BAC/ORG	MW004 47 ft bls 85/04/26 BAC/ORG	MW004 52 ft bls 85/04/26 BAC/ORG	MW004 57 ft bls 85/04/26 BAC/ORG	MW004 6.5 ft bls 85/04/24 BAC/ORG	MW004 62 ft bls 85/04/26 BAC/ORG	MW004 67 ft bls 85/04/26 BAC/ORG	MW004 72 ft bls 85/04/26 BAC/ORG	MW004 77 ft bls 85/04/26 BAC/ORG
2,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
4,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloral	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total DDT	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MW005 11.5 ft bls 85/04/24 BAC/ORG	MW005 17 ft bls 85/04/25 BAC/ORG	MW005 22 ft bls 85/04/25 BAC/ORG	MW005 27 ft bls 85/04/25 BAC/ORG	MW005 32 ft bls 85/04/25 BAC/ORG	MW005 37 ft bls 85/04/25 BAC/ORG	MW005 42 ft bls 85/04/25 BAC/ORG	MW005 47 ft bls 85/04/25 BAC/ORG	MW005 52 ft bls 85/04/25 BAC/ORG	MW005 57 ft bls 85/04/25 BAC/ORG	MW005 6.5 ft bls 85/04/24 BAC/ORG	MW005 65.5 ft bls 85/04/25 BAC/FD	MW005 65.5 ft bls 85/04/25 BAC/ORG	MW005 72 ft bls 85/04/25 BAC/ORG	S019A 2.4 ft bls 83/08/09 BAC/ORG	S019A 4 ft bls 83/08/09 BAC/ORG
2,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.4	0.14
2,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2	0.012
2,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	18	0.16
4,4'-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	15	0.2
4,4'-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	5.9	0.07
4,4'-DDT	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	160	0.68
Chlorsl	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Total DDT	<0.6	<0.8	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.8	<0.6	<0.8	210	1.3

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S021A 3 ft bls 83/08/10 BAC/ORG	S021A 4.6 ft bls 83/08/10 BAC/ORG	S022A 2.75 ft bls 83/08/10 BAC/ORG	S022A 5 ft bls 83/08/10 BAC/ORG	S025 0.6 ft bls 83/08/09 BAC/ORG	S025 2.2 ft bls 83/08/09 BAC/ORG	S026 0.6 ft bls 83/08/09 BAC/ORG	S026 2 ft bls 83/08/09 BAC/ORG	S027 0.6 ft bls 83/08/09 BAC/ORG	S027 2.2 ft bls 83/08/09 BAC/ORG	S028 2.8 ft bls 83/08/10 BAC/ORG	S028 5.1 ft bls 83/08/10 BAC/ORG	S101 23 ft bls 85/05/01 BAC/ORG	S101 27 ft bls 85/05/01 BAC/ORG	S101 32 ft bls 85/05/01 BAC/ORG	S101 37 ft bls 85/05/01 BAC/ORG
2,4'-DDD	<0.05	<0.001	<0.001	<0.001	0.35	<0.003	13	<0.025	<2	<20	0.03	0.051	40	<0.05	72[EH]	100[EH]
2,4'-DDE	<0.05	0.004	0.024	0.001	0.33	<0.003	<1	0.024	<2	<20	0.028	0.058	3.7	<0.05	3.6[EH]	8.2[EH]
2,4'-DDT	0.38	0.01	0.03	0.037	2.8	0.023	57	0.16	36	440	0.26	0.23	3400	0.47	810[EH]	1500[EH]
4,4'-DDD	0.21	0.004	0.009	0.003	2.1	0.023	38	0.17	39	300	0.19	0.32	250	0.34	230[EH]	510[EH]
4,4'-DDE	0.23	0.003	0.004	0.007	8.9	0.082	3.1	0.64	9.5	43	0.11	0.28	37	<0.05	60[EH]	190[EH]
4,4'-DDT	1.3	0.063	0.019	0.097	17	0.57	87	0.36	170	1100	0.89	2.1	2400	0.74	3000[EH]	7100[EH]
Chloral													<0.5	<0.5	<0.5[EH]	<0.5[EH]
Total DDT	2.1	0.08	0.086	0.145	31	0.7	210	1.4	250	1900	1.5	3	6131	1.55	4175.6[EH]	9408.2[EH]

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
2,4'-DDD	230[EH]	47[EH]	70[EH]
2,4'-DDE	11[EH]	2.7[EH]	3.7[EH]
2,4'-DDT	2600[EH]	650[EH]	970[EH]
4,4'-DDD	870[EH]	190[EH]	280[EH]
4,4'-DDE	210[EH]	58[EH]	86[EH]
4,4'-DDT	8500[EH]	2300[EH]	3600[EH]
Chlorat	<0.5[EH]	<0.5[EH]	<0.5[EH]
Total DDT	12621[EH]	3247.7[EH]	5019.7[EH]

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	11D 2 ft bls 85/06/26 CAL/OEPA	11D 3.5 ft bls 85/06/26 CAL/OEPA	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 6.5 ft bls 85/06/26 CAL/OEPA	11D 8 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 2 ft bls 85/06/25 CAL/OEPA	12D 3.5 ft bls 85/06/25 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/OEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 6.5 ft bls 85/06/25 CAL/OEPA	12D 8 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 1.5 ft bls 85/06/25 CAL/OEPA	13D 2 ft bls 85/06/25 CAL/OEPA
4,4'-DDD	18	2.9	<0.016	<0.016	<0.04	<0.04	<0.016	9.8	4.7	<0.016	<0.016	<0.04	<0.04	<0.016	<0.016	35	28
4,4'-DDE	160	1.3	<0.016	<0.016	<0.02	<0.02	<0.016	60	23	<0.016	<0.016	0.029(J)	<0.02	<0.016	<0.016	650	230
4,4'-DDT	740	80	<0.016	<0.016	0.067	<0.04	0.016	270	310	<0.016	<0.016	0.11(J)	<0.04	<0.016	<0.016	1600	1200
Aldrin			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
alpha-BHC			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
alpha-Endosulfan			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
beta-BHC			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
beta-Endosulfan			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Chlordane			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
delta-BHC			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Dieldrin			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Endosulfan 1			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Endosulfan 2			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Endosulfan sulfate			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Endrin			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Endrin aldehyde			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
Endrin Ketone			<0.016	<0.016			<0.016			<0.016	<0.016			<0.016	<0.016		
gamma-BHC			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Heptachlor			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Heptachlor epoxide			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Methoxychlor			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1016			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1221			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1232			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1242			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1248			<0.08	<0.08			<0.08			<0.08	<0.08			<0.08	<0.08		
PCB 1254			<0.16	<0.16			<0.16			<0.16	<0.16			<0.16	<0.16		
PCB 1260			<0.16	<0.16			<0.16			<0.16	<0.16			<0.16	<0.16		
Total BHC			<0.008	<0.008			<0.008			<0.008	<0.008			<0.008	<0.008		
Total DDT	918	84.2	<0.016	<0.016	0.067	<0.04	0.016	339.8	337.7	<0.016	<0.016	0.139	<0.04	<0.016	<0.016	2285	1458
Toxaphene			<0.16	<0.16			<0.16			<0.16	<0.16			<0.16	<0.16		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	13D 3.5 ft bls 85/06/25 CAL/DEPA	13D 4.5 ft bls 85/06/25 CAL/DEPA	13D 5 ft bls 85/06/25 CAL/DEPA	13D 6.5 ft bls 85/06/25 CAL/DEPA	13D 8 ft bls 85/06/25 CAL/DEPA	13D 9.5 ft bls 85/06/25 CAL/DEPA	14D 1.5 ft bls 85/06/19 CAL/DEPA	14D 11 ft bls 85/06/19 CAL/DEPA	14D 13.5 ft bls 85/06/19 CAL/DEPA	14D 3 ft bls 85/06/19 CAL/DEPA	14D 3.5 ft bls 85/06/19 CAL/DEPA	14D 5 ft bls 85/06/19 CAL/DEPA	14D 6.5 ft bls 85/06/19 CAL/DEPA	14D 8 ft bls 85/06/19 CAL/DEPA	14D 9.5 ft bls 85/06/19 CAL/DEPA	15D 1.5 ft bls 85/06/19 CAL/DEPA	15D 2 ft bls 85/06/19 CAL/DEPA
4,4'-DDD	26[EH]	26	36	<0.04	<0.04	<0.016	460	910	500	160	260	67	43	58	370[EH]	72	190
4,4'-DDE	290[EH]	250	340	0.079(J)	0.023(J)	<0.016	720	170	79	700	270	170	67	51	300[EH]	40	170
4,4'-DDT	<1800[EH]	1200	1400	0.61	0.1(J)	<0.016	7600	11000	4400	1200	2100	1300	1600	660	6200[EH]	1100	1400
Aldrin	<12[EH]					<0.008									<120[EH]		
alpha-BHC	<12[EH]					<0.008									<120[EH]		
alpha-Endosulfan	<12[EH]					<0.008									<120[EH]		
beta-BHC	<12[EH]					<0.008									<120[EH]		
beta-Endosulfan	<24[EH]					<0.016									<240[EH]		
Chlordane	<120[EH]					<0.08									<1200[EH]		
delta-BHC	<12[EH]					<0.008									<120[EH]		
Dieldrin	<24[EH]					<0.016									<240[EH]		
Endosulfan 1	<12[EH]					<0.008									<120[EH]		
Endosulfan 2	<24[EH]					<0.016									<240[EH]		
Endosulfan sulfate	<24[EH]					<0.016									<240[EH]		
Endrin	<24[EH]					<0.016									<240[EH]		
Endrin aldehyde	<24[EH]					<0.016									<240[EH]		
Endrin Ketone	<24[EH]					<0.016									<240[EH]		
gamma-BHC	<12[EH]					<0.008									<120[EH]		
Heptachlor	<12[EH]					<0.008									<120[EH]		
Heptachlor epoxide	<12[EH]					<0.008									<120[EH]		
Methoxychlor	<120[EH]					<0.08									<1200[EH]		
PCB 1016	<120[EH]					<0.08									<1200[EH]		
PCB 1221	<120[EH]					<0.08									<1200[EH]		
PCB 1232	<120[EH]					<0.08									<1200[EH]		
PCB 1242	<120[EH]					<0.08									<1200[EH]		
PCB 1248	<120[EH]					<0.08									<1200[EH]		
PCB 1254	<240[EH]					<0.16									<2400[EH]		
PCB 1260	<240[EH]					<0.16									<2400[EH]		
Total BHC	<1.2[EH]					<0.008						<0.001			<120[EH]		
Total DDT	316[EH]	1476	1776	0.689	0.123	<0.016	8780	12080	4979	2060	2630	1537	1710	769	6870[EH]	1212	1760
Toxaphene	<240[EH]					<0.16									<240[EH]		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 4.5 ft bls 85/06/19 CAL/OEPA	15D 8 ft bls 85/06/19 CAL/OEPA	15D 9.5 ft bls 85/06/19 CAL/OEPA	16D 2 ft bls 85/06/19 CAL/OEPA	16D 3 ft bls 85/06/19 CAL/OEPA	16D 3.5 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 6.5 ft bls 85/06/19 CAL/OEPA	16D 7.5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/DEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 0.5 ft bls 85/06/24 CAL/DEPA	21D 2 ft bls 85/06/24 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA	21D 6 ft bls 85/06/24 CAL/DEPA	21D 6.5 ft bls 85/06/24 CAL/OEPA
4,4'-DDD	72[EH]	10	<0.016		110	1.4	<0.04	<0.016	<0.04	<0.04	<0.016	<0.016	80	17	<0.016	<0.04	<0.04
4,4'-DDE	260[EH]	9.9	<0.016		2200	7	<0.02	<0.016	<0.02	<0.02	<0.016	<0.016	600	97	0.016	<0.02	<0.02
4,4'-DDT	2600[EH]	150	0.016		1100	47	<0.04	<0.016	<0.04	<0.04	<0.016	<0.016	3200	530	0.016	<0.04	<0.04
Aldrin	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
alpha-BHC	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
alpha-Endosulfan	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
beta-BHC	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
beta-Endosulfan	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Chlordane	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
delta-BHC	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
Dieldrin	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Endosulfan 1	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
Endosulfan 2	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Endosulfan sulfate	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Endrin	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Endrin aldehyde	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
Endrin Ketone	<24[EH]		<0.016					<0.016			<0.016	<0.016			<0.016		
gamma-BHC	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
Heptachlor	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
Heptachlor epoxide	<12[EH]		<0.008					<0.008			<0.008	<0.008			<0.008		
Methoxychlor	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1016	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1221	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1232	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1242	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1248	<120[EH]		<0.08					<0.08			<0.08	<0.08			<0.08		
PCB 1254	<240[EH]		<0.16					<0.16			<0.16	<0.16			<0.16		
PCB 1260	<240[EH]		<0.16					<0.16			<0.16	<0.16			<0.16		
Total BHC	<1.2[EH]		<0.008	<0.001				<0.008			<0.008	<0.008			<0.008		
Total DDT	2932[EH]	169.9	0.016		3410	55.4	<0.04	<0.016	<0.04	<0.04	<0.016	<0.016	3880	644	0.016	<0.04	<0.04
Toxaphene	<240[EH]		<0.16					<0.16			<0.16	<0.16			<0.16		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	21D 8 ft bls 85/06/24 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 1.5 ft bls 85/06/26 CAL/OEPA	22D 2 ft bls 85/06/26 CAL/OEPA	22D 3 ft bls 85/06/26 CAL/DEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 5 ft bls 85/06/26 CAL/OEPA	22D 6.5 ft bls 85/06/26 CAL/OEPA	22D 8 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 1.5 ft bls 85/06/25 CAL/OEPA	23D 2 ft bls 85/06/25 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 4.5 ft bls 85/06/25 CAL/OEPA	23D 6.5 ft bls 85/06/25 CAL/OEPA	23D 8 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA
4,4'-DDD	<0.04	<0.016	21	5.9	<0.04	<0.016	<0.04	<0.04	<0.04	<0.016	51	70	<0.016	<0.04	<0.04	<0.04	<0.016
4,4'-DDE	<0.02	<0.016	140	50	<0.02	<0.016	<0.02	<0.02	<0.02	<0.016	220	210	0.016	0.034(J)	0.036(J)	<0.02	<0.016
4,4'-DDT	<0.04	<0.016	670	180	<0.04	<0.016	<0.04	<0.04	<0.04	<0.016	1200	1700	0.021	0.12(J)	0.086(J)	0.046	<0.016
Aldrin		<0.008				<0.008				<0.008			<0.008				<0.008
alpha-BHC		<0.008				<0.008				<0.008			<0.008				<0.008
alpha-Endosulfan		<0.008				<0.008				<0.008			<0.008				<0.008
beta-BHC		<0.008				<0.008				<0.008			<0.008				<0.008
beta-Endosulfan		<0.016				<0.016				<0.016			<0.016				<0.016
Chlordane		<0.08				<0.08				<0.08			<0.08				<0.08
delta-BHC		<0.008				<0.008				<0.008			<0.008				<0.008
Dieldrin		<0.016				<0.016				<0.016			<0.016				<0.016
Endosulfan 1		<0.008				<0.008				<0.008			<0.008				<0.008
Endosulfan 2		<0.016				<0.016				<0.016			<0.016				<0.016
Endosulfan sulfate		<0.016				<0.016				<0.016			<0.016				<0.016
Endrin		<0.016				<0.016				<0.016			<0.016				<0.016
Endrin aldehyde		<0.016				<0.016				<0.016			<0.016				<0.016
Endrin Ketone		<0.016				<0.016				<0.016			<0.016				<0.016
gamma-BHC		<0.008				<0.008				<0.008			<0.008				<0.008
Heptachlor		<0.008				<0.008				<0.008			<0.008				<0.008
Heptachlor epoxide		<0.008				<0.008				<0.008			<0.008				<0.008
Methoxychlor		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1016		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1221		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1232		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1242		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1248		<0.08				<0.08				<0.08			<0.08				<0.08
PCB 1254		<0.16				<0.16				<0.16			<0.16				<0.16
PCB 1260		<0.16				<0.16				<0.16			<0.16				<0.16
Total BHC		<0.008				<0.008				<0.008			<0.008				<0.008
Total DDT	<0.04	<0.016	831	2359	<0.04	<0.016	<0.04	<0.04	<0.04	<0.016	1471	1980	0.021	0.154	0.122	0.046	<0.016
Toxaphene		<0.18				<0.16				<0.18			<0.16				<0.18

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	24D 1.5 ft bls 85/06/25 CAL/OEPA	24D 11 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 14.5 ft bls 85/06/25 CAL/OEPA	24D 16 ft bls 85/06/25 CAL/OEPA	24D 16.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 19.5 ft bls 85/06/25 CAL/OEPA	24D 2 ft bls 85/06/25 CAL/DEPA	24D 3 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 6.5 ft bls 85/06/25 CAL/OEPA	24D 8 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 2 ft bls 85/06/19 CAL/OEPA	25A 3 ft bls 85/06/19 CAL/OEPA
4,4'-DDD	52	260	30[EH]	200	180	88	67[EH]	6	100	5.3	130[EH]	2.1	<0.04	<0.04	0.23	31	<0.04
4,4'-DDE	200	2200	630[EH]	1900	820	240	250[EH]	19	550	120	530[EH]	7.4	<0.02	0.1	4.7	4.4	<0.02
4,4'-DDT	880	4200	1300[EH]	6500	3100	1200	1900[EH]	120	2000	1200	3800[EH]	44	<0.04	0.3	4.7	400	<0.04
Aldrin			<12[EH]				<12[EH]				<12[EH]	<0.08			<8		
alpha-BHC			16[EH]				29[EH]				<12[EH]	0.22			2.1		
alpha-Endosulfan			<12[EH]				<12[EH]				<12[EH]	<0.08			<0.8		
beta-BHC			4.4[EH]				<12[EH]				<12[EH]	0.072			0.97		
beta-Endosulfan			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Chlordane			<120[EH]				<120[EH]				<120[EH]	<0.8			<8		
delta-BHC			2.4[EH]				8.9[EH]				<12[EH]	0.057			8.7		
Dieldrin			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Endosulfan 1			<12[EH]				<12[EH]				<12[EH]	<0.08			<0.8		
Endosulfan 2			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Endosulfan sulfate			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Endrin			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Endrin aldehyde			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
Endrin Ketone			<24[EH]				<24[EH]				<24[EH]	<0.16			<1.6		
gamma-BHC			3.9[EH]				14[EH]				<12[EH]	0.052			3.3		
Heptachlor			<12[EH]				<12[EH]				<12[EH]	<0.08			<8		
Heptachlor epoxide			<12[EH]				<12[EH]				<12[EH]	<0.08			<8		
Methoxychlor			<120[EH]				<120[EH]				<120[EH]	<0.8			<8		
PCB 1016			<120[EH]				<120[EH]				<120[EH]	<0.8			<80		
PCB 1221			<120[EH]				<120[EH]				<120[EH]	<0.8			<80		
PCB 1232			<120[EH]				<120[EH]				<120[EH]	<0.8			<80		
PCB 1242			<120[EH]				<120[EH]				<120[EH]	<0.8			<80		
PCB 1248			<120[EH]				<120[EH]				<120[EH]	<0.8			<80		
PCB 1254			<240[EH]				<240[EH]				<240[EH]	<1.6			<16		
PCB 1260			<240[EH]				<240[EH]				<240[EH]	<1.6			<16		
Total BHC			26.7[EH]				51.9[EH]				<12[EH]	0.401			14.17		
Total DDT	1132	6660	1960[EH]	8600	4100	1528	2217[EH]	145	2650	1325.3	4460[EH]	53.5	<0.04	0.4	9.83	435.4	<0.04
Toxaphene			<240[EH]				<240[EH]				<240[EH]	<1.6			<16		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	25A 3.5 ft bls 85/06/19 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 8 ft bls 85/06/19 CAL/OEPA	25A 8 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 1 ft bls 85/06/18 CAL/OEPA	25D 11 ft bls 85/06/18 CAL/OEPA	25D 2 ft bls 85/06/18 CAL/OEPA	25D 2.5 ft bls 85/06/18 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 6 ft bls 85/06/18 CAL/OEPA	25D 7.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 1.5 ft bls 85/06/25 CAL/OEPA	34D 2 ft bls 85/06/25 CAL/OEPA	34D 3.5 ft bls 85/06/25 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA
4,4'-DDD	<0.04	<0.016	<0.04	<0.04	<0.016	8.4	<0.04	170	290	34[EH]	<0.04	5.4	<0.016	<0.04	0.43	35	17[EH]
4,4'-DDE	<0.02	<0.016	<0.02	<0.02	<0.016	11	<0.02	350	390	65[EH]	<0.02	11	<0.016	0.44	1.1	57	94[EH]
4,4'-DDT	<0.04	0.016	<0.04	<0.04	<0.016	110	<0.04	1700	2700	880[EH]	<0.04	56	<0.016	0.98	7.1	580	830[EH]
Aldrin		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
alpha-BHC		<0.008			<0.008					<12[EH]			<0.008				15[EH]
alpha-Endosulfan		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
beta-BHC		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
beta-Endosulfan		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Chlordane		<0.08			<0.08					<12[EH]			<0.08				<120[EH]
delta-BHC		<0.008			<0.008					<12[EH]			<0.008				8[EH]
Dieldrin		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Endosulfan 1		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
Endosulfan 2		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Endosulfan sulfate		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Endrin		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Endrin aldehyde		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
Endrin Ketone		<0.016			<0.016					<24[EH]			<0.016				<24[EH]
gamma-BHC		<0.008			<0.008					<12[EH]			<0.008				4[EH]
Heptachlor		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
Heptachlor epoxide		<0.008			<0.008					<12[EH]			<0.008				<12[EH]
Methoxychlor		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1016		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1221		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1232		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1242		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1248		<0.08			<0.08					<120[EH]			<0.08				<120[EH]
PCB 1254		<0.16			<0.16					<240[EH]			<0.16				<240[EH]
PCB 1260		<0.16			<0.16					<240[EH]			<0.16				<240[EH]
Total BHC		<0.008			<0.008					<12[EH]			<0.008				27[EH]
Total DDT	<0.04	0.016	<0.04	<0.04	<0.016	129.4	<0.04	2220	3380	979[EH]	<0.04	72.4	<0.016	1.42	8.63	672	741[EH]
Toxaphene		<0.16			<0.16					<240[EH]			<0.16				<240[EH]

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	34D 6.5 ft bls 85/06/25 CAL/OEPA	34D 7.5 ft bls 85/06/25 CAL/OEPA	34D 8 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 1.5 ft bls 85/06/25 CAL/OEPA	35A 3.5 ft bls 85/06/25 CAL/OEPA	35A 4.5 ft bls 85/06/25 CAL/OEPA	35A 5 ft bls 85/06/25 CAL/OEPA	35A 6 ft bls 85/06/25 CAL/DEPA	35A 6.5 ft bls 85/06/25 CAL/OEPA	35A 8 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA	35D 1.5 ft bls 85/06/18 CAL/OEPA	35D 2 ft bls 85/06/18 CAL/OEPA	35D 2.5 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA	35D 4.5 ft bls 85/06/18 CAL/OEPA
4,4'-DDD	22	<0.04	<0.04	<0.016	0.31	<0.04	<0.04	<0.016	5.8	<0.04	<0.04	<0.016	160	34[EH]	100	26[EH]	58
4,4'-DDE	78	0.045	<0.02	<0.016	1.7	0.03	<0.02	<0.016	11	<0.02	<0.02	<0.016	320	170[EH]	33	72[EH]	62
4,4'-DDT	450	0.51	<0.04	0.02	4.2	0.21	<0.04	<0.016	63	<0.04	0.042	<0.016	1600	1400[EH]	1100	890[EH]	1100
Aldrin				<0.08				<0.008				<0.008		<12[EH]		<12[EH]	
alpha-BHC				<0.08				<0.008				<0.008		16[EH]		<12[EH]	
alpha-Endosulfan				<0.008				<0.008				<0.008		<12[EH]		<12[EH]	
beta-BHC				<0.08				<0.008				<0.008		<12[EH]		<12[EH]	
beta-Endosulfan				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Chlordane				<0.08				<0.08				<0.08		<12[EH]		<120[EH]	
delta-BHC				<0.08				<0.008				<0.008		10[EH]		<12[EH]	
Dieldrin				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Endosulfan 1				<0.008				<0.008				<0.008		<12[EH]		<12[EH]	
Endosulfan 2				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Endosulfan sulfate				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Endrin				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Endrin aldehyde				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
Endrin Ketone				<0.016				<0.016				<0.016		<24[EH]		<24[EH]	
gamma-BHC				<0.08				<0.008				<0.008		9.1[EH]		<12[EH]	
Heptachlor				<0.08				<0.008				<0.008		<12[EH]		<12[EH]	
Heptachlor epoxide				<0.08				<0.008				<0.008		<12[EH]		<12[EH]	
Methoxychlor				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1016				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1221				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1232				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1242				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1248				<0.08				<0.08				<0.08		<120[EH]		<120[EH]	
PCB 1254				<0.16				<0.16				<0.16		<240[EH]		<240[EH]	
PCB 1260				<0.16				<0.16				<0.16		<240[EH]		<240[EH]	
Total BHC				<0.08				<0.008				<0.008		35.1[EH]		<12[EH]	
Total DDT	550	0.555	<0.04	0.02	6.21	0.24	<0.04	<0.016	79.8	<0.04	0.042	<0.016	2080	1604[EH]	1233	890[EH]	1230
Toxaphene				<0.16				<0.16				<0.16		<240[EH]		<12[EH]	

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	35D 6 ft bls 85/06/18 CAL/OEPA	35D 6.5 ft bls 85/06/18 CAL/OEPA	35D 9.5 ft bls 85/06/18 CAL/OEPA	36D 2 ft bls 85/06/19 CAL/OEPA	36D 3.5 ft bls 85/06/19 CAL/OEPA	36D 4.5 ft bls 85/06/19 CAL/OEPA	36D 5 ft bls 85/06/19 CAL/OEPA	36D 6.5 ft bls 85/06/19 CAL/OEPA	36D 8 ft bls 85/06/19 CAL/OEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 9.5 ft bls 85/06/19 CAL/OEPA	46D 1.5 ft bls 85/06/18 CAL/OEPA	46D 10.5 ft bls 85/06/18 CAL/DEPA	46D 11 ft bls 85/06/18 CAL/OEPA	46D 2 ft bls 85/06/18 CAL/OEPA	46D 3.5 ft bls 85/06/18 CAL/OEPA	46D 5 ft bls 85/06/18 CAL/OEPA
4,4'-DDD	4	1.7	<0.016	0.063	<0.04	<0.016	<0.04	<0.04	<0.04	<0.016	<0.016	1.4	0.016	<0.016	15	<0.04	<0.016
4,4'-DDE	4.6	1.1	0.029	0.19	<0.02	<0.016	<0.02	<0.02	<0.02	<0.016	<0.016	2.5	<0.059	0.016	33	0.022	0.018
4,4'-DDT	51	10	0.38	0.92	<0.04	<0.016	<0.04	<0.04	<0.04	0.016	<0.016	22	0.43	0.016	190	0.07	0.051
Aldrin			<0.008			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
alpha-BHC			<0.08			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
alpha-Endosulfan			<0.008			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
beta-BHC			<0.08			<0.008				<0.008	<0.008		<0.008	<0.008			0.09
beta-Endosulfan			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Chlordane			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
delta-BHC			0.012			<0.008				<0.008	<0.008		<0.008	<0.008			0.008
Dieldrin			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Endosulfan 1			<0.008			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
Endosulfan 2			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Endosulfan sulfate			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Endrin			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Endrin aldehyde			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
Endrin Ketone			<0.016			<0.016				<0.016	<0.016		<0.016	<0.016			<0.016
gamma-BHC			<0.08			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
Heptachlor			<0.08			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
Heptachlor epoxide			<0.008			<0.008				<0.008	<0.008		<0.008	<0.008			<0.008
Methoxychlor			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1016			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1221			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1232			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1242			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1248			<0.08			<0.08				<0.08	<0.08		<0.08	<0.08			<0.08
PCB 1254			<0.16			<0.16				<0.16	<0.16		<0.16	<0.16			<0.16
PCB 1260			<0.16			<0.16				<0.16	<0.16		<0.16	<0.16			<0.16
Total BHC			0.012			<0.008				<0.008	<0.008		<0.008	<0.008			0.09
Total DDT	59.6	12.8	0.409	1.173	<0.04	<0.016	<0.04	<0.04	<0.04	0.016	<0.016	25.9	0.446	0.016	238	0.092	0.069
Toxaphene			<0.16			<0.16				<0.16	<0.16		<0.16	<0.16			<0.16

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	46D 6.5 ft bls 85/06/18 CAL/OEPA	46D 7 ft bls 85/06/18 CAL/OEPA	ARTESIA ft bls 00/01/03 CAL/OEPA	VANNESS ft bls 00/01/03 CAL/OEPA	VANNESS ft bls 85/06/19 CAL/OEPA
4,4'-DDD	<0.04	<0.04	<0.016	0.016	0.011(J)
4,4'-DDE	<0.02	0.075	<0.016	0.03	0.03
4,4'-DDT	<0.04	0.44	0.033	0.17	0.17
Aldrin			<0.008	<0.008	
alpha-BHC			<0.008	<0.008	
alpha-Endosulfan			<0.008	<0.008	
beta-BHC			<0.008	<0.008	
beta-Endosulfan			<0.016	<0.016	
Chlordane			<0.08	<0.08	
delta-BHC			<0.008	<0.008	
Dieldrin			<0.016	<0.016	
Endosulfan 1			<0.008	<0.008	
Endosulfan 2			<0.016	<0.016	
Endosulfan sulfate			<0.016	<0.016	
Endrin			<0.016	<0.016	
Endrin aldehyde			<0.016	<0.016	
Endrin Ketone			<0.016	<0.016	
gamma-BHC			<0.008	<0.008	
Heptachlor			<0.008	<0.008	
Heptachlor epoxide			<0.008	<0.008	
Methoxychlor			<0.08	<0.08	
PCB 1016			<0.08	<0.08	
PCB 1221			<0.08	<0.08	
PCB 1232			<0.08	<0.08	
PCB 1242			<0.08	<0.08	
PCB 1248			<0.08	<0.08	
PCB 1254			<0.16	<0.16	
PCB 1260			<0.16	<0.16	
Total BHC			<0.008	<0.008	<0.001
Total DDT	<0.04	0.515	0.033	0.216	0.033
Toxaphene			<0.16	<0.16	

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 16.5 ft bls 86/09/26 BAC/ORG	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 20.5 ft bls 86/09/26 BAC/ORG	S201 30.5 ft bls 86/09/26 BAC/ORG	S201 35.5 ft bls 86/09/26 BAC/ORG	S201 46.5 ft bls 86/09/26 BAC/ORG	S201 51 ft bls 86/09/26 BAC/ORG	S201 60.5 ft bls 86/09/26 BAC/ORG	S201 61 ft bls 86/09/26 RMAL/OEPA	S202 20.5 ft bls 86/09/30 BAC/ORG	S202 25.5 ft bls 86/09/30 BAC/ORG	S202 30.5 ft bls 86/09/30 BAC/ORG	S202 35.5 ft bls 86/09/30 BAC/ORG	S202 43.5 ft bls 86/09/30 BAC/ORG
2,4'-DDD		<0.05		<0.05	<0.005	1.8	<0.05	<0.5	<0.5		0.2	0.04	0.03	<0.005	<0.005
2,4'-DDE		<0.05		<0.05	<0.005	<0.005	<0.05	<0.5	<0.5		<0.005	<0.005	<0.005	<0.005	<0.005
2,4'-DDT		<0.1		<0.1	<0.01	<0.01	<0.1	<0.1	<1		<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDD	62	47	2.1	60	3.8	8.2	57	510	530	170	1.9	0.35	0.19	2.5	0.1
4,4'-DDE	<4.3	3.8	<0.09	15	0.26	1.2	20	67	87	<3.4	0.5	0.08	0.03	0.08	0.02
4,4'-DDT	220	32	4.5	71	3.2	5.5	69	610	870	2200	1[EP]	0.22[EP]	0.12[EP]	2[EP]	0.14[EP]
Aldrin	<2.1		<0.045							<1.7					
alpha-BHC	<2.1	0.8	<0.045	0.6	<0.01	0.02	0.8	8	10	<1.7	0.1	0.08	0.03	0.01	0.07
alpha-Endosulfan	<2.1		<0.045							<1.7					
beta-BHC	<2.1	0.8	<0.045	0.4	<0.01	0.03	<0.1	<1	<1	<1.7	0.4	0.04	<0.01	0.03	0.04
beta-Endosulfan	<4.3		<0.09							<3.4					
Chlordane	<21		<0.45							<17					
delta-BHC	<2.1	<0.1	0.13	<0.1	<0.01	<0.01	<1	<1	<1	<1.7	<0.01	0.02	<0.01	<0.01	<0.01
Dieldrin	<4.3		<0.09							<3.4					
Endosulfan 1	<2.1		<0.045							<1.7					
Endosulfan 2	<4.3		<0.09							<3.4					
Endosulfan sulfate	<4.3		<0.09							<3.4					
Endrin	<4.3		<0.09							<3.4					
Endrin Ketone	<4.3		<0.09							<3.4					
gamma-BHC	<2.1	0.1	0.1	<0.1	<0.01	<0.01	<1	<1	<1	<1.7	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<2.1		<0.045							<1.7					
Heptachlor epoxide	<2.1		<0.045							<1.7					
Methoxychlor	<0.08		<0.08							<0.08					
PCB 1016	<21		<0.45							<17					
PCB 1221	<21		<0.45							<17					
PCB 1232	<21		<0.45							<17					
PCB 1242	<21		<0.45							<17					
PCB 1248	<21		<0.45							<17					
PCB 1254	<43		<0.9							<34					
PCB 1260	<43		<0.9							<34					
Total BHC	<2.1	1.7[EP]	0.23	1[EP]	<0.01	0.05[EP]	0.8[EP]	8[EP]	10[EP]	<1.7	0.5	0.12	0.03	0.04	0.11
Total DDT	282	83	8.6	150	7.3	15	150	1200	1300	2370	3.6[EP]	0.87[EP]	0.37[EP]	4.6[EP]	0.26[EP]
Toxaphene	<43		<0.9							<34					

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S202 50.5 ft bls 86/09/30 BAC/ORG	S202 60.5 ft bls 86/09/30 BAC/ORG	S203 20.5 ft bls 86/10/01 BAC/ORG	S203 30.5 ft bls 86/10/01 BAC/ORG	S203 42.5 ft bls 86/10/01 BAC/ORG	S203 50.5 ft bls 86/10/01 BAC/ORG	S203 60.5 ft bls 86/10/01 BAC/ORG	S204 21.5 ft bls 86/09/23 BAC/ORG	S204 26.5 ft bls 86/09/23 BAC/ORG	S204 30.5 ft bls 86/09/25 BAC/ORG	S204 42 ft bls 86/09/25 BAC/ORG	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 50.5 ft bls 86/09/25 BAC/ORG	S204 51 ft bls 86/09/25 RMAL/OEPA	S204 60 ft bls 86/09/25 BAC/ORG
2,4'-DDD	<0.005	<0.005	0.08	0.003	<0.0005	<0.0005	<0.0005	<0.05	<0.05	0.71	0.044		0.21		81
2,4'-DDE	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.05	<0.05	<0.005		<0.005		<10
2,4'-DDT	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	1.8	<0.1	<0.1	<0.01		0.44		270
4,4'-DDD	0.21	2.8	0.57	0.095	0.029	<0.0005	0.008	0.56	0.53	3.1	0.2	0.68	0.71	0.58	130
4,4'-DDE	0.04	0.11	0.13	0.008	0.002	<0.0005	<0.0005	0.09	0.31	2.5	0.036	<0.35	0.17	<0.34	82
4,4'-DDT	0.25[EP]	2.2[EP]	0.23	0.073	0.004	0.002	0.003	1.2	21	55	1.1	12	4.7	12	4200
Aldrin												<0.17		<0.17	
alpha-BHC	0.02	<0.01	0.05	0.057	0.061	0.005	0.007	<0.05	<0.05	<0.05	<0.005	<0.17	<0.005	<0.17	2
alpha-Endosulfan												<0.17		<0.17	
beta-BHC	0.01	<0.01	0.08	0.055	0.093	0.013	0.002	<0.05	<0.05	<0.05	<0.005	<0.17	<0.005	<0.17	<0.05
beta-Endosulfan												<0.35		<0.34	
Chlordane												<1.7		<1.7	
delta-BHC	<0.01	<0.01	0.18	0.093	<0.001	<0.001	<0.001	<0.05	<0.05	<0.05	<0.005	<0.17	<0.005	<0.17	<0.05
Dieldrin												<0.35		<0.34	
Endosulfan 1												<0.17		<0.17	
Endosulfan 2												<0.35		<0.34	
Endosulfan sulfate												<0.35		<0.34	
Endrin												<0.35		<0.34	
Endrin Ketone												<0.35		<0.34	
gamma-BHC	<0.01	<0.01	0.07	0.074	<0.001	<0.001	<0.001	<0.05	<0.05	<0.05	<0.005	<0.17	<0.005	<0.17	<0.05
Heptachlor												<0.17		<0.17	
Heptachlor epoxide												<0.17		<0.17	
Methoxychlor												<0.08		<0.08	
PCB 1016												<1.7		<1.7	
PCB 1221												<1.7		<1.7	
PCB 1232												<1.7		<1.7	
PCB 1242												<1.7		<1.7	
PCB 1248												<1.7		<1.7	
PCB 1254												<3.5		<3.4	
PCB 1260												<3.5		<3.4	
Total BHC	0.03[EP]	<0.01	0.38	0.28	0.15	0.018	0.009	<0.05	<0.05	<0.05	<0.005	<0.17	<0.005	<0.17	2
Total DDT	0.5[EP]	4.9[EP]	0.99	0.18	0.035	0.002	0.011	3.7	22	61	1.4	12.68	6.2	12.58	4700
Toxaphene												<3.5		<3.4	

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	E01 0.25 ft bls 86/09/22 SAIC/OEPA	E02 0.25 ft bls 86/09/22 SAIC/OEPA	E03 0.25 ft bls 86/09/23 SAIC/OEPA	E04 0.25 ft bls 86/09/23 SAIC/OEPA	E05 0.25 ft bls 86/09/24 SAIC/OEPA	E06 0.25 ft bls 86/09/24 SAIC/OEPA	E07 0.25 ft bls 86/09/25 SAIC/OEPA	E08 0.25 ft bls 86/09/25 SAIC/OEPA	E09 0.25 ft bls 86/09/25 SAIC/OEPA	E10 0.25 ft bls 86/09/25 SAIC/OEPA	E11 0.25 ft bls 86/09/25 SAIC/OEPA	E12 0.25 ft bls 86/09/25 SAIC/OEPA	E13 0.25 ft bls 86/09/25 SAIC/OEPA	E14 0.25 ft bls 86/09/25 SAIC/OEPA	E15 0.25 ft bls 86/09/25 SAIC/OEPA
4,4'-DDD	5.3	0.53	2.2	0.23	0.79	0.062	2.8	0.38	0.35	0.078	2.4	1.5	0.43	0.39	0.015
4,4'-DDE	23	8.8	21	0.39	6.4	2.1	2.2(J)	0.034	0.049	0.064	0.15	0.45(J)	0.13(J)	0.025(J)	0.02
4,4'-DDT	98	30	24	1.8	18	2.1	21	1.5	2.1	2.2	5	8.8	3.2	0.4	0.62
Total DDT	126.3	39.33	47.2	2.42	25.19	4.262	26	1.914	2.499	2.342	7.55	8.75	3.76	0.815	0.655

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	5-5-S-B ft bls 88/05/05 BAC/ORG	5-8-S-B ft bls 88/05/08 BAC/ORG	JC001 2 ft bls 88/05/01 BAC/ORG	JC001 3.25 ft bls 88/05/01 BAC/ORG	JC001 3.75 ft bls 88/05/01 VILO/SEP	JC001 4.25 ft bls 88/05/01 BAC/ORG	JC001 5.75 ft bls 88/05/01 BAC/ORG	JC001 8.25 ft bls 88/05/01 BAC/ORG	JC002 1 ft bls 88/05/01 BAC/ORG	JC002 1.5 ft bls 88/05/01 BAC/ORG	JC002 3.25 ft bls 88/05/01 BAC/ORG	JC002 3.75 ft bls 88/05/01 BAC/ORG	JC002 5 ft bls 88/05/01 BAC/ORG	JC002 5.5 ft bls 88/05/01 BAC/ORG	JC003 1.75 ft bls 88/05/01 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01	<0.01	<0.01		<0.01	<0.01(J)	<0.01(J)	0.7	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
2,4'-DDE	<0.01(J)	<0.01	0.14	<0.01		<0.01	0.04(NJB)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	41(NJB)
2,4'-DDT	<0.03(J)	<0.03	<0.03	<0.03		<0.03	<0.03(J)	<0.03(J)	<3	<0.03	<0.03	<0.03	<0.03	<0.03	<3(J)
4,4'-DDD	<0.01(J)	<0.01	0.24	0.02	<0.12	<0.01	0.02(NJB)	<0.01(J)	11	<0.01	<0.01	<0.01	<0.01	<0.01	170(NJB)
4,4'-DDE	0.09(NJB)	<0.01	0.91	0.05	<0.12	<0.01	0.04(NJB)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	210(NJB)
4,4'-DDT	0.06(NJB)	<0.03	0.3	0.06	1.1	0.04	<0.03(J)	0.13(NJ)	90	<0.03	<0.03	<0.03	<0.03	<0.03	340(NJB)
Aldrin					<0.059										
alpha-BHC	<0.01(J)	<0.01	<0.01	<0.01	<0.059	<0.01	<0.01(J)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
alpha-Endosulfan					<0.059										
beta-BHC	<0.01(J)	<0.01	<0.01	<0.01	<0.059	<0.01	<0.01(J)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
beta-Endosulfan					<0.12										
Chlordane					<0.12										
delta-BHC	<0.01(J)	<0.01	<0.01	<0.01	<0.059	<0.01	<0.01(J)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
Dieldrin					<0.12										
Endosulfan 1					<0.059										
Endosulfan 2					<0.12										
Endosulfan sulfate					<0.12										
Endrin					<0.12										
Endrin aldehyde															
Endrin Ketone					<0.12										
gamma-BHC	<0.01(J)	<0.01	<0.01	<0.01	<0.059	<0.01	<0.01(J)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
Heptachlor					<0.059										
Heptachlor epoxide					<0.059										
Methoxychlor					<0.12										
PCB 1016					<0.59										
PCB 1221					<0.59										
PCB 1232					<0.59										
PCB 1242					<0.59										
PCB 1248					<0.59										
PCB 1254					<1.2										
PCB 1260					<1.2										
Total BHC	<0.01(J)	<0.01	<0.01	<0.01	<0.059	<0.01	<0.01(J)	<0.01(J)	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<1(J)
Total DDT	0.15(NJB)	<0.03	1.6	0.13	1.1	0.04	0.1(NJB)	0.13(NJ)	100	<0.03	<0.03	<0.03	<0.03	<0.03	760(NJB)
Toxaphene					<1.2										

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	JC003 2.25 ft bls 86/05/01 BAC/ORG	JC003 2.75 ft bls 86/05/01 BAC/ORG	JC003 3.75 ft bls 86/05/01 BAC/ORG	JC003 4.25 ft bls 86/05/01 BAC/ORG	JC003 5.5 ft bls 86/05/01 VILO/OEPA	JC003 8 ft bls 86/05/01 VILO/DEPA	JC003 6.5 ft bls 86/05/01 BAC/ORG	JC004 1.25 ft bls 86/05/01 BAC/ORG	JC004 2.33 ft bls 86/05/01 BAC/ORG	JC004 3 ft bls 86/05/01 BAC/ORG	JC004 3.5 ft bls 86/05/01 VILO/SEPA	JC004 4 ft bls 86/05/01 BAC/ORG	JC004 5.5 ft bls 86/05/01 BAC/ORG	JC005 1 ft bls 86/04/30 BAC/ORG	JC005 2.5 ft bls 86/04/30 BAC/ORG
2,4'-DDD	<10(J)	<1(J)	<0.01(J)	<0.01(J)			<0.01(J)	<0.01(J)	<0.03(J)	<0.01(J)		<0.01(J)	<0.01(J)	<10	<0.1
2,4'-DDE	37(NJ)	3(NJ)	<0.01(J)	<0.01(J)			0.03(NJB)	<0.01(J)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)	<10	<0.1
2,4'-DDT	<30(J)	<3(J)	<0.03(J)	<0.03(J)			<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)		<0.03(J)	<0.03(J)	<30	<0.3
4,4'-DDD	110(NJ)	22(NJ)	<0.01(J)	<0.01(J)	0.79	<0.012	0.02(NJB)	<0.01(J)	0.04(NJ)	<0.01(J)	<0.011	<0.01(J)	<0.03(J)	140	<0.1
4,4'-DDE	150(NJ)	14(NJ)	0.08(NJ)	<0.01(J)	0.93	<0.012	0.02(NJB)	<0.01(J)	0.04(NJ)	<0.01(J)	<0.011	<0.01(J)	<0.01(J)	150	0.7
4,4'-DDT	260(NJ)	130(NJ)	0.28(NJ)	<0.03(J)	21	0.022	0.05(NJB)	0.08(NJ)	0.04(NJ)	<0.03(J)	0.034	<0.03(J)	0.06(NJ)	280	0.4
Aldrin					<0.06	<0.0061					<0.0057				
alpha-BHC	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	0.063	<0.0061	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0057	<0.01(J)	<0.01(J)	<10	<0.1
alpha-Endosulfan					<0.06	<0.0061					<0.0057				
beta-BHC	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.06	<0.0061	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0057	<0.01(J)	<0.01(J)	<10	<0.1
beta-Endosulfan					<0.12	<0.012					<0.011				
Chlordane					<0.12	<0.012					<0.011				
delta-BHC	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.06	<0.0061	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0057	<0.01(J)	<0.01(J)	<10	<0.1
Dieldrin					<0.12	<0.012					<0.011				
Endosulfan 1					<0.06	<0.0061					<0.0057				
Endosulfan 2					<0.12	<0.012					<0.011				
Endosulfan sulfate					<0.12	<0.012					<0.011				
Endrin					<0.12	<0.012					<0.011				
Endrin aldehyde															
Endrin Ketone					<0.12	<0.012					<0.011				
gamma-BHC	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	<0.06	<0.0061	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0057	<0.01(J)	<0.01(J)	<10	<0.1
Heptachlor					<0.06	<0.0061					<0.0057				
Heptachlor epoxide					<0.06	<0.0061					<0.0057				
Methoxychlor					<0.12	<0.012					<0.011				
PCB 1016					<0.6	<0.061					<0.057				
PCB 1221					<0.6	<0.061					<0.057				
PCB 1232					<0.6	<0.061					<0.057				
PCB 1242					<0.6	<0.061					<0.057				
PCB 1248					<0.6	<0.061					<0.057				
PCB 1254					<1.2	<0.12					<0.11				
PCB 1260					<1.2	<0.12					<0.11				
Total BHC	<0.1(J)	<1(J)	<0.01(J)	<0.01(J)	0.063	<0.0061	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0057	<0.01(J)	<0.01(J)	<10	<0.1
Total DDT	560(NJ)	170(NJ)	0.38(NJ)	<0.03(J)	22.72	0.022	0.12(NJB)	0.08(NJ)	0.12(NJ)	<0.03(J)	0.034	<0.03(J)	0.06(NJ)	590	1.1
Toxaphene					<1.2	<0.12					<0.11				

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	JC005 3 ft bls 86/04/30 BAC/ORG	JC005 3.5 ft bls 86/04/30 BAC/ORG	LA001 1 ft bls 86/05/08 BAC/ORG	LA001 1.5 ft bls 86/05/08 VILO/RSED	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 2 ft bls 86/05/08 BAC/ORG	LA001 3.25 ft bls 86/05/08 BAC/ORG	LA001 3.75 ft bls 86/05/08 VILO/DSE	LA001 4.25 ft bls 86/05/08 BAC/ORG	LA001 5.25 ft bls 86/05/08 BAC/ORG	LA001 5.75 ft bls 86/05/08 BAC/ORG	LA002 1.5 ft bls 86/05/02 VILO/OEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA002 5.5 ft bls 86/05/02 BAC/ORG	LA002 8 ft bls 86/05/02 BAC/ORG
2,4'-DDD	<0.01	<0.01(J)	2.4(R)			0.05(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)			<0.01(J)	<0.01(J)
2,4'-DDE	<0.01	<0.01(J)	4.4(R)			0.07(R)	<0.01(R)		<0.01(R)	<0.01(R)	<0.01(R)			<0.01(J)	<0.01(J)
2,4'-DDT	<0.03	<0.03(J)	5.9(R)			0.06(R)	<0.03(R)		<0.03(R)	0.06(R)	<0.03(R)			<0.03(J)	<0.03(J)
4,4'-DDD	0.04	<0.01(J)	2(R)	35	<0.004	<0.01(R)	<0.01(R)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.011	<0.11	<0.01(J)	<0.01(J)
4,4'-DDE	0.02	<0.01(J)	26(R)	17	<0.004	0.76(R)	<0.01(R)	0.029	<0.01(R)	0.01(R)	<0.01(R)	0.019	0.85	<0.01(J)	0.04(NJB)
4,4'-DDT	<0.03	<0.03(J)	23(R)	130	<0.004	0.16(R)	<0.03(R)	<0.01(J)	<0.03(R)	0.26(R)	<0.03(R)	0.017	1.5	0.14(NJB)	<0.03(J)
Aldrin				<0.0053(J)	<0.002(J)			<0.0052				<0.0057	<0.057		
alpha-BHC	<0.01	<0.01(J)	<0.1(R)	0.062	<0.002	<0.01(R)	<0.01(R)	<0.0052	<0.01(R)	<0.01(R)	<0.01(R)	<0.0057	<0.057	<0.01(J)	<0.01(J)
alpha-Endosulfan				<0.0053	<0.002			<0.0052				<0.0057	<0.057		
beta-BHC	<0.01	<0.01(J)	0.5(R)	3.3	<0.002	0.04(R)	<0.01(R)	<0.0052	<0.01(R)	<0.01(R)	<0.01(R)	<0.0057	<0.057	<0.01(J)	<0.01(J)
beta-Endosulfan				<0.011	<0.004			<0.01				<0.011	<0.11		
Chlordane				<0.011	<0.02			<0.01				<0.011	<0.11		
delta-BHC	<0.01	<0.01(J)	<0.1(R)	0.88	<0.002	<0.01(R)	<0.01(R)	<0.0052	<0.01(R)	<0.01(R)	<0.01(R)	<0.0057	<0.057	<0.01(J)	<0.01(J)
Dieldrin				<0.011	<0.004			<0.01				<0.011	<0.11		
Endosulfan 1				<0.0053	<0.002			<0.0052				<0.0057	<0.057		
Endosulfan 2				<0.011	<0.004			<0.01				<0.011	<0.11		
Endosulfan sulfate				<0.011	<0.004			<0.01				<0.011	<0.11		
Endrin				<0.011	<0.004			<0.01				<0.011	<0.11		
Endrin aldehyde					<0.004										
Endrin Ketone				<0.011	<0.004			<0.01				<0.011	<0.11		
gamma-BHC	<0.01	<0.01(J)	<0.1(R)	<0.0053(J)	<0.002(J)	<0.01(R)	<0.01(R)	<0.0052	<0.01(R)	<0.01(R)	<0.01(R)	<0.0057	<0.057	<0.01(J)	<0.01(J)
Heptachlor				<0.0053	<0.002			<0.0052				<0.0057	<0.057		
Heptachlor epoxide				<0.0053	<0.002			<0.0052				<0.0057	<0.057		
Methoxychlor				<0.011	<0.02			<0.01				<0.011	<0.11		
PCB 1016				<0.053	<0.02			<0.052				<0.057	<0.57		
PCB 1221				<0.053	<0.02			<0.052				<0.057	<0.57		
PCB 1232				<0.053	<0.02			<0.052				<0.057	<0.57		
PCB 1242				<0.053	<0.02			<0.052				<0.057	<0.57		
PCB 1248				<0.053	<0.02			<0.052				<0.057	<0.57		
PCB 1254				<0.11	<0.04			<0.1				<0.11	<1.1		
PCB 1260				<0.11	<0.04			<0.1				<0.11	<1.1		
Total BHC	<0.01	<0.01(J)	0.5(R)	4.242	0.173	0.04(R)	<0.01(R)	<0.0052	<0.01(R)	<0.01(R)	<0.01(R)	<0.0057	<0.057	<0.01(J)	<0.01(J)
Total DDT	0.06	<0.03(J)	84(R)	182	<0.004	1.1(R)	<0.03(R)	0.029	<0.03(R)	0.33(R)	<0.03(R)	0.036	2.35	0.14(NJB)	0.04(NJB)
Toxaphene				<0.11	<0.04			<0.1				<0.11	<1.1		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA003 1 ft bls 86/05/06 VILO/OEPA	LA003 1.5 ft bls 86/05/06 BAC/ORG	LA003 2.25 ft bls 86/05/06 BAC/ORG	LA003 2.75 ft bls 86/05/06 VILO/DEP	LA003 3.25 ft bls 86/05/06 BAC/ORG	LA003 4.5 ft bls 86/05/06 BAC/ORG	LA003 5 ft bls 86/05/06 BAC/ORG	LA004 1 ft bls 86/05/02 BAC/ORG	LA004 1.5 ft bls 86/05/02 BAC/ORG	LA004 3.25 ft bls 86/05/02 BAC/ORG	LA004 4.5 ft bls 86/05/02 BAC/ORG	LA004 5 ft bls 86/05/02 VILO/SEPA	LA004 5.5 ft bls 86/05/02 BAC/ORG	LA005 1 ft bls 86/05/02 BAC/ORG	LA005 2.25 ft bls 86/05/02 BAC/ORG
2,4'-DDD		<1(J)	<0.01(J)		<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE		4(NJB)	0.02(NJB)		0.03	<0.01(J)	<0.01(J)	<0.1(J)	0.03(NJB)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT		<3(J)	<0.03(J)		<0.03	<0.03(J)	<0.03(J)	<0.3(J)	<0.03(J)	<0.03(J)	<0.03(J)		<0.03(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.0115[EH]	26(NJB)[EA]	0.07(NJB)[EA]	28.9[EH]	0.02[EA]	<0.01(J)	<0.01(J)	0.2(NJB)	0.02(NJB)	<0.01(J)	<0.01(J)	<0.011	<0.01(J)	0.04(NJB)	<0.01(J)
4,4'-DDE	1.34[EH]	44(NJB)	0.17(NJB)	57.6[EH]	0.05	<0.01(J)	<0.01(J)	1.3(NJB)	0.29(NJB)	0.03(NJB)	<0.01(J)	<0.011	<0.01(J)	0.48(NJB)	0.08(NJB)
4,4'-DDT	0.444(J)[EH]	170(NJB)	0.2(NJB)	600[EH]	0.07	<0.03(J)	<0.03(J)	1.2(NJB)	0.06(NJB)	<0.03(J)	<0.03(J)	<0.011	<0.03(J)	0.27(NJB)	0.04(NJB)
Aldrin	<0.00576[EH]			<0.00548[EH]								<0.0055			
alpha-BHC	<0.00576[EH]	<1(J)	<0.01(J)	<0.00548(J)[EH]	<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0055	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan	<0.00576[EH]			<0.00548[EH]								<0.0055			
beta-BHC	0.0106[EH]	<1(J)	<0.01(J)	0.563[EH]	<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0055	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan	<0.0115[EH]			<0.011[EH]								<0.011			
Chlordane	<0.0115[EH]			<0.011[EH]								<0.011			
delta-BHC	<0.00576[EH]	<1(J)	<0.01(J)	0.046(J)[EH]	<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0055	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin	<0.0115[EH]			<0.011[EH]								<0.011			
Endosulfan 1	<0.00576[EH]			<0.00548[EH]								<0.0055			
Endosulfan 2	<0.0115[EH]			<0.011[EH]								<0.011			
Endosulfan sulfate	<0.0115[EH]			<0.011[EH]								<0.011			
Endrin	<0.0115[EH]			<0.011[EH]								<0.011			
Endrin aldehyde															
Endrin Ketone	<0.0115[EH]			<0.011[EH]								<0.011			
gamma-BHC	<0.00576[EH]	<1(J)	<0.01(J)	<0.00548(J)[EH]	<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0055	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor	<0.00576[EH]			<0.00548[EH]								<0.0055			
Heptachlor epoxide	<0.00576[EH]			<0.00548[EH]								<0.0055			
Methoxychlor	<0.0115[EH]			<0.011[EH]								<0.011			
PCB 1016	<0.0576[EH]			<0.0548[EH]								<0.055			
PCB 1221	<0.0576[EH]			<0.0548[EH]								<0.055			
PCB 1232	<0.0576[EH]			<0.0548[EH]								<0.055			
PCB 1242	<0.0576[EH]			<0.0548[EH]								<0.055			
PCB 1248	<0.0576[EH]			<0.0548[EH]								<0.055			
PCB 1254	<0.12[EH]			<0.11[EH]								<0.11			
PCB 1260	<0.12[EH]			<0.11[EH]								<0.11			
Total BHC	0.0106[EH]	<1(J)	<0.01(J)	0.609[EH]	<0.01	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.0055	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	1.784[EH]	240(NJB)	0.46(NJB)	686.5[EH]	0.17	<0.03(J)	<0.03(J)	2.7(NJB)	0.4(NJB)	0.03(NJB)	<0.03(J)	<0.011	<0.03(J)	0.77(NJB)	0.12(NJB)
Toxaphene	<0.12[EH]			<0.11[EH]								<0.11			

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA005 4 ft bls 86/05/02 BAC/ORG	LA005 4.5 ft bls 86/05/02 BAC/ORG	LA005 5 ft bls 86/05/02 BAC/ORG	LA006 1 ft bls 86/05/06 BAC/ORG	LA006 3.25 ft bls 86/05/06 BAC/ORG	LA006 4.5 ft bls 86/05/06 BAC/ORG	LA006 5 ft bls 86/05/06 VILO/DEPA	LA006 5.5 ft bls 86/05/06 BAC/ORG	LA007 1 ft bls 86/05/06 BAC/ORG	LA007 2.25 ft bls 86/05/06 BAC/ORG	LA007 2.75 ft bls 86/05/06 VILO/SEPA	LA007 3.25 ft bls 86/05/06 BAC/ORG	LA007 4.25 ft bls 86/05/06 BAC/ORG	LA007 4.75 ft bls 86/05/06 BAC/ORG
2,4'-DDD		<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)		<0.01(J)	<0.01	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE		<0.01(J)	<0.01(J)	<0.01(J)	8.8(NJ)	<0.01(J)	<0.01(J)		<0.01(J)	0.02	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDT		<0.03(J)	<0.03(J)	<0.03(J)	<0.3(J)	<0.03(J)	<0.03(J)		<0.03(J)	<0.03	<0.03(J)		<0.03(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.011	<0.01(J)	<0.01(J)	<0.01(J)	1.4(NJ)[EA]	<0.01(J)	<0.01(J)	<0.0114[EH]	<0.01(J)	<0.01	<0.01(J)	<0.011[EH]	<0.01(J)	<0.01(J)	<0.01(J)
4,4'-DDE	0.012	<0.01(J)	<0.01(J)	<0.01(J)	1.6(NJ)	<0.01(J)	<0.01(J)	<0.0114[EH]	<0.01(J)	0.07	<0.01(J)	<0.011[EH]	<0.01(J)	<0.01(J)	<0.01(J)
4,4'-DDT	<0.011	<0.03(J)	<0.03(J)	<0.03(J)	41(NJ)	<0.03(J)	<0.03(J)	<0.0114[EH]	<0.03(J)	<0.03	<0.03(J)	<0.011[EH]	<0.03(J)	<0.03(J)	<0.03(J)
Aldrin	<0.0057							<0.00572[EH]				<0.0055[EH]			
alpha-BHC	<0.0057	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan	<0.0057							<0.00572[EH]				<0.0055[EH]			
beta-BHC	<0.0057	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan	<0.011							<0.0114[EH]				<0.011[EH]			
Chlordane	<0.011							<0.0114[EH]				<0.011[EH]			
delta-BHC	<0.0057	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin	<0.011							<0.0114[EH]				<0.011[EH]			
Endosulfan 1	<0.0057							<0.00572[EH]				<0.0055[EH]			
Endosulfan 2	<0.011							<0.0114[EH]				<0.011[EH]			
Endosulfan sulfate	<0.011							<0.0114[EH]				<0.011[EH]			
Endrin	<0.011							<0.0114[EH]				<0.011[EH]			
Endrin aldehyde															
Endrin Ketone	<0.011							<0.0114[EH]				<0.011[EH]			
gamma-BHC	<0.0057	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor	<0.0057							<0.00572[EH]				<0.0055[EH]			
Heptachlor epoxide	<0.0057							<0.00572[EH]				<0.0055[EH]			
Methoxychlor	<0.011							<0.0114[EH]				<0.011[EH]			
PCB 1016	<0.057							<0.0572[EH]				<0.055[EH]			
PCB 1221	<0.057							<0.0572[EH]				<0.055[EH]			
PCB 1232	<0.057							<0.0572[EH]				<0.055[EH]			
PCB 1242	<0.057							<0.0572[EH]				<0.055[EH]			
PCB 1248	<0.057							<0.0572[EH]				<0.055[EH]			
PCB 1254	<0.11							<0.11[EH]				<0.11[EH]			
PCB 1260	<0.11							<0.11[EH]				<0.11[EH]			
Total BHC	<0.0057	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)	<0.01(J)	<0.01(J)	<0.00572[EH]	<0.01(J)	<0.01	<0.01(J)	<0.0055[EH]	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	<0.011	<0.03(J)	<0.03(J)	<0.03(J)	53(NJ)	<0.03(J)	<0.03(J)	<0.0114[EH]	<0.03(J)	0.09	<0.03(J)	<0.011[EH]	<0.03(J)	<0.03(J)	<0.03(J)
Toxaphene	<0.11							<0.11[EH]				<0.11[EH]			

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA007 5.25 ft bls 86/05/06 BAC/ORG	LA008 1 ft bls 86/05/05 BAC/ORG	LA008 1.5 ft bls 86/05/05 BAC/ORG	LA008 2.75 ft bls 86/05/05 BAC/ORG	LA008 3.25 ft bls 86/05/05 BAC/ORG	LA008 4.75 ft bls 86/05/05 BAC/ORG	LA008 5.25 ft bls 86/05/05 BAC/ORG	LA009 0.5 ft bls 86/05/05 BAC/ORG	LA009 1.5 ft bls 86/05/05 BAC/ORG	LA009 2.75 ft bls 86/05/05 BAC/ORG	LA009 4.25 ft bls 86/05/05 BAC/ORG	LA009 5.25 ft bls 86/05/05 BAC/ORG	LA010 0.75 ft bls 86/05/05 BAC/ORG	LA010 1.75 ft bls 86/05/05 BAC/ORG	LA010 3.25 ft bls 86/05/05 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
2,4'-DDE	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.06(NJB)	<0.01(J)	<0.01(J)
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<3(J)	<0.03(J)	<0.03(J)
4,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.06(NJB)[EA]	<0.01(J)	<0.01(J)	<0.01(J)	0.03(NJB)[EA]	0.08(NJB)[EA]	<0.01(J)	<0.01(J)
4,4'-DDE	<0.01(J)	0.1(NJB)	0.04(NJB)	0.03(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	0.56(NJB)	0.12(NJB)	0.03(NJB)	<0.01(J)	0.04(NJB)	0.97(NJB)	0.31(NJB)	<0.01(J)
4,4'-DDT	<0.03(J)	0.04(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	0.41(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	0.14(NJB)	0.27(NJB)	<0.03(J)	<0.03(J)
Aldrin															
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan															
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan															
Chlordane															
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin															
Endosulfan 1															
Endosulfan 2															
Endosulfan sulfate															
Endrin															
Endrin aldehyde															
Endrin Ketone															
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor															
Heptachlor epoxide															
Methoxychlor															
PCB 1016															
PCB 1221															
PCB 1232															
PCB 1242															
PCB 1248															
PCB 1254															
PCB 1260															
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Total DDT	<0.03(J)	0.14(NJB)	0.04(NJB)	0.03(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	1(NJB)	0.12(NJB)	0.03(NJB)	<0.03(J)	0.21(NJB)	1.4(NJB)	0.31(NJB)	<0.03(J)
Toxaphene															

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA010 3.75 ft bls 86/05/05 BAC/ORG	LA010 5 ft bls 86/05/05 BAC/ORG	LA011 5.75 ft bls 86/05/05 BAC/ORG	LA012 1.25 ft bls 86/05/06 BAC/ORG	LA012 1.75 ft bls 86/05/06 BAC/ORG	LA012 2.75 ft bls 86/05/06 BAC/ORG	LA012 3.75 ft bls 86/05/06 BAC/ORG	LA012 5.25 ft bls 86/05/06 BAC/ORG	LA013 1.25 ft bls 86/05/06 BAC/ORG	LA013 1.75 ft bls 86/05/06 BAC/ORG	LA013 3.25 ft bls 86/05/06 BAC/ORG	LA013 3.75 ft bls 86/05/06 BAC/ORG	LA013 5 ft bls 86/05/06 BAC/ORG	LA013 5.5 ft bls 86/05/06 BAC/ORG	LA014 1.25 ft bls 86/05/06 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)
2,4'-DDE	<0.01(J)	<0.01(J)	0.03(NJB)	0.02(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	20	1.2(NJ)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.4(NJ)
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<30	2.5(NJ)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.3(J)
4,4'-DDD	<0.01(J)	<0.01(J)	0.13(NJB)[EA]	0.03(NJB)[EA]	0.02(NJ)[EA]	<0.01(J)	<0.01(J)	0.04(NJ)[EA]	150[EA]	0.3(NJ)[EA]	<0.01(J)	0.02(NJ)[EA]	0.03(NJ)[EA]	<0.01(J)	5.3(NJ)[EA]
4,4'-DDE	<0.01(J)	<0.01(J)	0.29(NJB)	0.19(NJB)	0.03(NJ)	0.04(NJB)	0.02(NJB)	0.05(NJ)	150	2.9(NJ)	0.02(NJB)	0.03(NJ)	<0.01(J)	<0.01(J)	7.1(NJ)
4,4'-DDT	<0.03(J)	<0.03(J)	0.34(NJB)	0.07(NJB)	0.04(NJ)	<0.03(J)	<0.03(J)	0.13(NJ)	310	5.9(NJ)	0.05(NJB)	0.11(NJ)	0.1(NJ)	<0.03(J)	23(NJ)
Aldrin															
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.04(NJ)	<10	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
alpha-Endosulfan															
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.02(NJ)	<10	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
beta-Endosulfan															
Chlordane															
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	17	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Dieldrin															
Endosulfan 1															
Endosulfan 2															
Endosulfan sulfate															
Endrin															
Endrin aldehyde															
Endrin Ketone															
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)
Heptachlor															
Heptachlor epoxide															
Methoxychlor															
PCB 1016															
PCB 1221															
PCB 1232															
PCB 1242															
PCB 1248															
PCB 1254															
PCB 1260															
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.06(NJ)	17	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.1(J)
Total DDT	<0.03(J)	<0.03(J)	0.79(NJB)	3.1(NJB)	0.09(NJ)	0.04(NJB)	0.02(NJB)	0.22(NJ)	630	13(NJ)	0.07(NJB)	0.18(NJ)	0.13(NJ)	<0.03(J)	35(NJ)
Toxaphene															

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA014 1.75 ft bls 86/05/06 BAC/ORG	LA014 3.25 ft bls 86/05/06 BAC/ORG	LA014 3.75 ft bls 86/05/06 BAC/ORG	LA014 5 ft bls 86/05/06 BAC/ORG	LA014 5.5 ft bls 86/05/06 BAC/FD	MD001 5 ft bls 86/04/30 BAC/ORG	MD001 5.5 ft bls 86/04/30 BAC/ORG	MD002 1 ft bls 86/04/30 VILO/DEPA	MD002 1.5 ft bls 86/04/30 BAC/ORG	MD002 2.75 ft bls 86/04/30 BAC/ORG	MD002 3.25 ft bls 86/04/30 VILO/DEPA	MD002 3.75 ft bls 86/04/30 BAC/ORG	MD002 5 ft bls 86/04/30 BAC/ORG	MD002 5.5 ft bls 86/04/30 BAC/ORG	MD003 1.25 ft bls 88/05/19 BAC/ORG
2,4'-DDD	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)		<0.01	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)	<0.01
2,4'-DDE	0.8(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)		<0.01	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(J)	<0.01
2,4'-DDT	<0.3(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03	<0.03(J)		<0.03	<0.03(J)		<0.03(J)	<0.03(J)	<0.03(J)	<0.03
4,4'-DDD	0.5(NJB)(EA)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	0.32	0.04	0.09(NJ)	<0.11	<0.01(J)	0.02(NJ)	<0.01(J)	<0.01
4,4'-DDE	1.4(NJB)	0.05(NJ)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	0.02(NJ)	0.65	0.18	0.33(NJ)	2.1	0.12(NJ)	0.06(NJ)	0.03(NJ)	<0.01
4,4'-DDT	1.2(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03	0.09(NJ)	14	0.11	0.24(NJ)	1.7	<0.03(J)	0.1(NJ)	<0.03(J)	0.06
Aldrin								<0.06			<0.057				
alpha-BHC	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.06	<0.01	<0.01(J)	<0.057	<0.01(J)	<0.01(J)	<0.01(J)	<0.01
alpha-Endosulfan								<0.06			<0.057				
beta-BHC	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.06	<0.01	<0.01(J)	0.086	<0.01(J)	<0.01(J)	<0.01(J)	<0.01
beta-Endosulfan								<0.12			<0.11				
Chlordane								<0.12			<0.11				
delta-BHC	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.06	<0.01	<0.01(J)	<0.057	<0.01(J)	<0.01(J)	<0.01(J)	<0.01
Dieldrin								<0.12			<0.11				
Endosulfan 1								<0.06			<0.057				
Endosulfan 2								<0.12			<0.11				
Endosulfan sulfate								<0.12			<0.11				
Endrin								<0.12			<0.11				
Endrin aldehyde															
Endrin Ketone								<0.12			<0.11				
gamma-BHC	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.06	<0.01	<0.01(J)	<0.057	<0.01(J)	<0.01(J)	<0.01(J)	<0.01
Heptachlor								<0.06			<0.057				
Heptachlor epoxide								<0.06			<0.057				
Methoxychlor								<0.12			<0.11				
PCB 1016								<0.6			<0.57				
PCB 1221								<0.6			<0.57				
PCB 1232								<0.6			<0.57				
PCB 1242								<0.6			<0.57				
PCB 1248								<0.6			<0.57				
PCB 1254								<1.2			<1.1				
PCB 1260								<1.2			<1.1				
Total BHC	<0.1(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.06	<0.01	<0.01(J)	0.086	<0.01(J)	<0.01(J)	<0.01(J)	<0.01
Total DDT	3.9(NJB)	0.05(NJ)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03	0.11(NJ)	14.97	0.33	0.66(NJ)	3.8	0.12(NJ)	0.18(NJ)	0.03(NJ)	0.06
Toxaphene								<1.2			<1.1				

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MD003 2.25 ft bls 86/05/19 BAC/ORG	MD003 3.5 ft bls 86/05/19 BAC/ORG	MD003 4.25 ft bls 86/05/19 BAC/ORG	MD003 5 ft bls 86/05/19 BAC/ORG	MD004 0.25 ft bls 86/04/30 BAC/ORG	MD004 2 ft bls 86/04/30 BAC/ORG	MD004 3.75 ft bls 86/04/30 BAC/ORG	MD004 4.25 ft bls 86/04/30 BAC/ORG	MD004 5.75 ft bls 86/04/30 BAC/ORG	MD004 6.25 ft bls 86/04/30 BAC/ORG	MD005 1 ft bls 86/04/29 BAC/ORG	MD005 3 ft bls 86/04/29 BAC/ORG	MD005 3.5 ft bls 86/04/29 BAC/ORG	MD005 4.5 ft bls 86/04/29 BAC/ORG	MD005 5.5 ft bls 86/04/29 BAC/ORG	MD006 0.5 ft bls 86/04/29 VILO/DEPA
2,4'-DDD	<0.01(J)	<0.01(J)	0.12(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<3	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	
2,4'-DDE	<0.01(J)	<0.01(J)	0.01(NJB)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03	<0.03(J)	<0.01(J)	<0.03(J)	120	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	
4,4'-DDD	<0.01(J)	<0.01(J)	0.06(NJB)	<0.01(J)	0.18(NJ)	0.02(NJ)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	13	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.11
4,4'-DDE	<0.01(J)	0.02(NJB)	0.03(NJB)	<0.01(J)	0.91(NJ)	0.03(NJ)	<0.01	0.02(NJ)	0.02(NJ)	0.03(NJ)	53	0.02(NJ)	<0.01(J)	<0.01(J)	<0.01(J)	0.15
4,4'-DDT	<0.03(J)	<0.03(J)	0.12(NJB)	<0.03(J)	1.8(NJ)	0.08(NJ)	<0.03	0.11(NJ)	0.09(NJ)	0.11(NJ)	50	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	0.9
Aldrin																<0.057
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.115
alpha-Endosulfan																<0.057
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.057
beta-Endosulfan																<0.11
Chlordane																<0.11
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.8
Dieldrin																<0.11
Endosulfan 1																<0.057
Endosulfan 2																<0.11
Endosulfan sulfate																<0.11
Endrin																<0.11
Endrin aldehyde																
Endrin Ketone																<0.11
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.057
Heptachlor																<0.057
Heptachlor epoxide																<0.057
Methoxychlor																<0.11
PCB 1016																<0.57
PCB 1221																<0.57
PCB 1232																<0.57
PCB 1242																<0.57
PCB 1248																<0.57
PCB 1254																<1.1
PCB 1260																<1.1
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<1	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.715
Total DDT	<0.03(J)	<0.03(J)	0.34(NJB)	<0.03(J)	2.8(NJ)	0.13(NJ)	<0.03	0.13(NJ)	0.11(NJ)	0.14(NJ)	120	0.02(NJ)	<0.03(J)	<0.03(J)	<0.03(J)	1.05
Toxaphene																<1.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	MD006 1 ft bls 86/04/29 BAC/ORG	MD006 1.5 ft bls 86/04/29 VILO/OEPA	MD006 3 ft bls 86/04/29 BAC/ORG	MD006 3.5 ft bls 86/04/29 BAC/ORG	MD006 4.75 ft bls 86/04/29 BAC/ORG	MD006 5.25 ft bls 86/04/29 BAC/ORG	MD006 5.75 ft bls 86/04/29 BAC/ORG	SP001A ft bls 86/05/07 BAC/ORG	SP001A 5.5 ft bls 86/05/07 BAC/ORG	SP001A 6 ft bls 86/05/07 BAC/ORG	SP001A 7.5 ft bls 86/05/07 BAC/ORG	SP002 1 ft bls 86/05/08 BAC/ORG	SP002 1.5 ft bls 86/05/08 VILO/SEPA	SP002 2 ft bls 86/05/08 BAC/ORG	SP002 3.25 ft bls 86/05/08 BAC/ORG
2,4'-DDD	<0.01		<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	1.1(R)		<0.01(R)	<0.01(R)
2,4'-DDE	<0.01		<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.27(R)		<0.01(R)	<0.01(R)
2,4'-DDT	<0.03		<0.03	<0.03(J)	<0.03(J)	<0.03	<0.03	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	1(R)		<0.03(R)	<0.03(R)
4,4'-DDD	<0.01	<0.11	<0.01	<0.01(J)	<0.01(J)	<0.01	0.02	<0.01(J)	<0.01(J)	0.02(NJB)	<0.01(J)	0.25(R)	<0.011(J)	<0.01(R)	<0.01(R)
4,4'-DDE	<0.01	<0.11	<0.01	<0.01(J)	<0.01(J)	<0.01	0.06	0.02(NJB)(EA)	0.05(NJB)(EA)	0.04(NJB)(EA)	<0.01(J)	2.6(R)	0.32	0.03(R)	<0.01(R)
4,4'-DDT	<0.03	0.89	<0.03	<0.03(J)	<0.03(J)	<0.03	<0.03	0.04(NJB)	0.12(NJB)	0.04(NJB)	<0.03(J)	5.8(R)	0.21	<0.03(R)	<0.03(R)
Aldrin		<0.055											<0.0057		
alpha-BHC	<0.01	<0.055	<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.01(R)	0.018	<0.01(R)	<0.01(R)
alpha-Endosulfan		<0.055											<0.0057		
beta-BHC	<0.01	<0.055	<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.57(R)	0.025	0.02(R)	<0.01(R)
beta-Endosulfan		<0.11											<0.011		
Chlordane		<0.11											<0.011		
delta-BHC	<0	<0.055	<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.02(R)	<0.0057(J)	<0.01(R)	<0.01(R)
Dieldrin		<0.11											<0.011		
Endosulfan 1		<0.055											<0.0057		
Endosulfan 2		<0.11											<0.011		
Endosulfan sulfate		<0.11											<0.011		
Endrin		<0.11											<0.011		
Endrin aldehyde															
Endrin Ketone		<0.11											<0.011		
gamma-BHC	<0.01	<0.055	<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.01(R)	0.04(J)	<0.01(R)	<0.01(R)
Heptachlor		<0.055											<0.0057		
Heptachlor epoxide		<0.055											<0.0057		
Methoxychlor		<0.11											<0.011		
PCB 1016		<0.55											<0.057		
PCB 1221		<0.55											<0.057		
PCB 1232		<0.55											<0.057		
PCB 1242		<0.55											<0.057		
PCB 1248		<0.55											<0.057		
PCB 1254		<1.1											<0.11		
PCB 1260		<1.1											0.11		
Total BHC	<0.01	<0.055	<0.01	<0.01(J)	<0.01(J)	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	0.81(R)	0.083	0.02(R)	<0.01(R)
Total DDT	<0.03	0.89	<0.03	<0.03(J)	<0.03(J)	<0.03	0.08	0.06(NJB)	0.17(NJB)	0.1(NJB)	<0.03(J)	11(R)	0.53	0.03(R)	<0.03(R)
Toxaphene		<1.1											<0.11		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	SP002 3.75 ft bls 86/05/08 BAC/FD	SP002 4.25 ft bls 86/05/08 BAC/ORG	SP002 5.5 ft bls 86/05/08 BAC/ORG	T031 1.5 ft bls 86/05/08 VILO/DSEP	T031 2 ft bls 86/05/08 BAC/ORG	T031 2.75 ft bls 86/05/08 BAC/ORG	T031 3.25 ft bls 86/05/08 VILO/SEPA	T031 3.75 ft bls 86/05/08 BAC/ORG	T031 4.75 ft bls 86/05/08 BAC/ORG	T031 5.25 ft bls 86/05/08 BAC/ORG	T031 5.75 ft bls 86/05/08 BAC/FD	T032 1 ft bls 86/05/08 BAC/ORG	T032 1 ft bls 86/05/08 VILO/SEPA	T032 2 ft bls 86/05/08 BAC/ORG	T032 3.75 ft bls 86/05/08 VILO/DEPA	T033 1.5 ft bls 86/05/08 VILO/SEPA
2,4'-DDD	<0.01(R)	<0.01(R)	<0.01(J)		0.1(NJB)	33		0.06(NJB)	0.55	0.73	0.08(R)	50		0.78		
2,4'-DDE	<0.01(R)	<0.01(R)	<0.01(J)		0.04(NJB)	22		0.02(NJB)	0.19	0.22	0.02(R)	14		0.08		
2,4'-DDT	0.08(R)	<0.03(R)	<0.03(J)		0.51(NJB)	220		0.16(NJB)	3.1	2.8	0.24(R)	51		0.43		
4,4'-DDD	<0.01(R)	<0.01(R)	<0.01(J)	0.68	1.6(NJB)	35	0.58	0.06(NJB)	0.19	0.19	0.05(R)	44	0.58	0.77	4.8	0.13
4,4'-DDE	0.12(R)	<0.01(R)	<0.01(J)	0.73	0.34(NJB)	120	0.98	0.1(NJB)	1.2	1.1	0.13(R)	85	0.66	0.32	1.4	0.26
4,4'-DDT	0.19(R)	<0.03(R)	<0.03(J)	8.7	3.5(NJB)	1000	15	0.47(NJB)	3.8	2.8	0.33(R)	370	3.8	2.2	8.4	1.7
Aldrin				<0.0058			<0.0058						<0.0052		<0.0058	<0.0056
alpha-BHC	<0.01(R)	<0.01(R)	<0.01(J)	<0.0058(J)	<0.01(J)	0.07	<0.0058(J)	<0.01(J)	<0.01	<0.01	<0.01(R)	<0.5	<0.0052	<0.01	<0.0058(J)	<0.0058
alpha-Endosulfan				<0.0058			<0.0058						<0.0052		<0.0058	<0.0058
beta-BHC	0.02(R)	0.19(R)	<0.01(J)	0.38	0.17(NJB)	0.49	0.13	0.09(NJB)	0.02	0.04	0.02(R)	<0.5	<0.0052(J)	0.12	0.129	0.18
beta-Endosulfan				<0.012			<0.012						<0.01		<0.012	<0.011
Chlordane				<0.012			<0.012						<0.01		<0.012	<0.011
delta-BHC	<0.01(R)	<0.01(R)	<0.01(J)	0.028(J)	0.06(NJB)	1	0.018(J)	0.02(NJB)	<0.01	<0.01	<0.01(R)	<0.5	0.013	0.08	0.058(J)	0.013(J)
Dieldrin				<0.012			<0.012						<0.01		<0.012	<0.011
Endosulfan 1				<0.0058			<0.0058						<0.0052		<0.0058	<0.0058
Endosulfan 2				<0.012			<0.012						<0.01		<0.012	<0.011
Endosulfan sulfate				<0.012			<0.012						<0.01		<0.012	<0.011
Endrin				<0.012			<0.012						<0.01		<0.012	<0.011
Endrin aldehyde																
Endrin Ketone				<0.012			<0.012						<0.01		<0.012	<0.011
gamma-BHC	<0.01(R)	<0.01(R)	<0.01(J)	<0.0058(J)	<0.01(J)	0.02	<0.0058	<0.01(J)	<0.01	<0.01	<0.01(R)	<0.5	<0.0052(J)	<0.01	<0.0058(J)	<0.0058
Heptachlor				<0.0058			<0.0058						<0.0052		<0.0058	<0.0056
Heptachlor epoxide				<0.0058			<0.0058						<0.0052		<0.0058	<0.0056
Methoxychlor				<0.012			<0.012						<0.01		<0.012	<0.011
PCB 1016				<0.058			<0.058						<0.052		<0.058	<0.056
PCB 1221				<0.058			<0.058						<0.052		<0.058	<0.058
PCB 1232				<0.058			<0.058						<0.052		<0.058	<0.056
PCB 1242				<0.058			<0.058						<0.052		<0.058	<0.056
PCB 1248				<0.058			<0.058						<0.052		<0.058	<0.056
PCB 1254				<0.12			<0.12						<0.1		<0.12	<0.11
PCB 1260				<0.12			<0.12						<0.1		<0.12	<0.11
Total BHC	0.02(R)	0.19(R)	<0.01(J)	0.408	2.3(NJB)	0.68	0.146	0.11(NJB)	0.02	0.04	0.02(R)	<0.5	0.013	0.2	0.185	0.173
Total DDT	0.39(R)	<0.03(R)	<0.03(J)	10.09	4.7(NJB)	1400	16.56	0.87(NJB)	9	7.8	0.85(R)	590	1.54	4.6	12.4	2.69
Toxaphene				<0.12			<0.12						<0.1		<0.12	<0.11

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T033 3.25 ft bls 86/05/08 BAC/ORG	T033 3.75 ft bls 86/05/08 VILO/DSEP	T033 4.25 ft bls 86/05/08 BAC/ORG	T033 5.75 ft bls 86/05/08 BAC/ORG	T041 5.75 ft bls 86/05/09 BAC/ORG	T042 1 ft bls 86/05/09 BAC/ORG	T042 1.5 ft bls 86/05/09 BAC/FD	T042 10.25 ft bls 88/09/13 ATI/ORG	T042 13.75 ft bls 88/09/13 ATI/ORG	T042 16.25 ft bls 88/09/13 ATI/ORG	T042 18.25 ft bls 88/09/13 ATI/ORG	T042 2 ft bls 86/05/09 BAC/ORG	T042 22.25 ft bls 88/09/13 ATI/ORG	T042 22.75 ft bls 88/09/13 ATI/FD	T042 3.25 ft bls 86/05/09 BAC/ORG	T042 4.25 ft bls 86/05/09 BAC/ORG
2,4'-DDD	0.94		0.34	0.45(R)	<0.01	<0.01	0.78	<0.002	<0.2	<0.002	<0.008	0.3	0.002	0.003	<0.01	<0.01
2,4'-DDE	2.3		0.12	0.22(R)	<0.01	<0.01	0.27	<0.002	<0.2	<0.002	<0.008	0.01	<0.002	<0.002	<0.01	<0.01
2,4'-DDT	17		1.7	3(R)	<0.03	<0.03	5.1	0.003	0.23	<0.002	<0.008	0.32	<0.002	<0.002	<0.03	<0.03
4,4'-DDD	1.41	2.1	0.18	0.38(R)	<0.01	<0.01	1.1	<0.002	<0.2	<0.002	<0.008	0.15	<0.002	<0.002	<0.01	<0.01
4,4'-DDE	6.5	8.2	0.81	1.5(R)	<0.01	<0.01	0.75	0.002	<0.2	<0.002	0.013	0.1	<0.002	<0.002	<0.01	<0.01
4,4'-DDT	42	68	2.5	8.9(R)	0.04	<0.03	8.7	0.023	1.7	0.004	<0.008	0.4	0.005	0.003	<0.03	<0.03
Aldrin		<0.0055						<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
alpha-BHC	<0.01	<0.0055	<0.01	<0.01(R)	<0.01	<0.01	1.2	<0.001	<0.1	<0.001	<0.004	0.8	<0.001	<0.001	0.3	0.04
alpha-Endosulfan		<0.0055						<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
beta-BHC	0.1	0.11	0.02	0.04(R)	<0.01	<0.01	0.45	<0.001	<0.1	<0.001	<0.004	0.18	<0.001	<0.001	0.08	<0.01
beta-Endosulfan		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
Chlordane		<0.011						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
delta-BHC	0.03	0.018(J)	<0.01	<0.01(R)	<0.01	<0.01	0.2	<0.001	<0.1	0.002	<0.004	0.21	<0.001	<0.001	0.04	<0.01
Dieldrin		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
Endosulfan 1		<0.0055						<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
Endosulfan 2		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
Endosulfan sulfate		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
Endrin		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
Endrin aldehyde								<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
Endrin Ketone		<0.011						<0.01	<1	<0.01	<0.04		<0.01	<0.01		
gamma-BHC	<0.01	<0.0055	<0.01	<0.01(R)	<0.01	<0.01	0.3	<0.001	<0.1	<0.001	<0.004	0.14	<0.001	<0.001	0.05	<0.01
Heptachlor		<0.0055						<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
Heptachlor epoxide		<0.0055						<0.005	<0.5	<0.005	<0.02		<0.005	<0.005		
Methoxychlor		<0.011						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1016		<0.055						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1221		<0.055						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1232		<0.055						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1242		<0.055						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1248		<0.055						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
PCB 1254		<0.11						<0.05	<5	<0.05	0.73		<0.05	<0.05		
PCB 1260		<0.11						<0.05	<5	<0.05	<0.2		<0.05	<0.05		
Total BHC	0.13	0.129	0.02	0.04(R)	<0.01	<0.01	2.2	<0.001	<0.1	0.002	<0.004	1.1	<0.001	<0.001	0.45	0.04
Total DDT	70	76.3	5.6	12(R)	0.04	<0.03	17	0.028	1.9	0.004	0.013	1.3	0.007	0.008	<0.03	<0.03
Toxaphene		<0.11						<0.1	<10	<0.1	<0.4		<0.1	<0.1		

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T042 5.25 ft bls 86/05/09 BAC/ORG	T043 1.5 ft bls 86/05/09 BAC/ORG	T043 2 ft bls 86/05/09 BAC/ORG	T043 3.75 ft bls 86/05/09 BAC/ORG	T043 5 ft bls 86/05/09 BAC/ORG	T043 5.5 ft bls 86/05/09 BAC/ORG	T043 6 ft bls 86/05/09 BAC/FD	T044 1 ft bls 86/05/09 BAC/ORG	T044 2 ft bls 86/05/09 BAC/ORG	T044 3.75 ft bls 86/05/09 BAC/ORG	T044 4.25 ft bls 86/05/09 BAC/ORG	T044 5.75 ft bls 86/05/09 BAC/ORG	T045 1 ft bls 86/05/09 BAC/ORG	T045 1.5 ft bls 86/05/09 BAC/ORG	T045 2 ft bls 86/05/09 BAC/ORG	T045 3.25 ft bls 86/05/09 BAC/ORG
2,4'-DDD	0.03	3.1	28	0.06	<0.01	<0.01	<0.01	0.49	1.1	0.78	0.65	0.6	0.6	3.4	130	<0.01
2,4'-DDE	0.01	1.6	4.6	0.02	<0.01	<0.01	<0.01	0.46	0.57	0.52	0.34	0.28	0.87	1.4	39	<0.01
2,4'-DDT	0.12	12	150	0.17	0.1	<0.03	<0.03	3.1	20	18	15	14	7.1	45	2000	0.07
4,4'-DDD	0.15	4.4	38	0.06	0.04	0.02	<0.01	0.81	3	2.5	2.4	1.3	0.45	3.1	240	0.01
4,4'-DDE	0.15	6.3	10	0.1	0.03	<0.01	<0.01	2.6	3	2.6	1.6	1.3	7.8	5.1	140	0.02
4,4'-DDT	1.6	60	690	0.47	0.34	<0.03	<0.03	9.4	110	92	78	49	18	130	6100	0.29
Aldrin																
alpha-BHC	0.03	0.05	0.67	<0.01	0.11	0.05	<0.01	<0.1	<0.05	<0.01	<0.05	<0.01	<0.01	0.01	0.6	<0.01
alpha-Endosulfan																
beta-BHC	<0.01	0.49	0.73	0.09	<0.01	<0.01	<0.01	<0.1	0.1	0.03	0.1	0.04	0.04	0.15	<0.5	<0.01
beta-Endosulfan																
Chlordane																
delta-BHC	<0.01	0.18	0.24	0.02	<0.01	<0.01	<0.01	<0.1	<0.05	<0.01	<0.05	<0.01	<0.01	0.02	1	<0.01
Dieldrin																
Endosulfan 1																
Endosulfan 2																
Endosulfan sulfate																
Endrin																
Endrin aldehyde																
Endrin Ketone																
gamma-BHC	<0.01	0.02	0.16	<0.01	0.02	<0.01	<0.01	<0.1	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	2.8	0.02
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
PCB 1016																
PCB 1221																
PCB 1232																
PCB 1242																
PCB 1248																
PCB 1254																
PCB 1260																
Total BHC	0.03	0.74	1.8	0.11	0.13	0.05	<0.01	<0.1	0.1	0.03	0.1	0.04	0.04	0.18	4.4	0.02
Total DDT	2.1	87	910	0.88	0.51	<0.03	<0.03	17	140	120	98	68	35	190	8600	0.39
Toxaphene																

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T045 4.25 ft bls 86/05/09 BAC/ORG	T045 5.75 ft bls 86/05/09 BAC/ORG	T051 1 ft bls 86/05/09 BAC/ORG	T051 1.5 ft bls 86/05/09 BAC/FD	T051 2 ft bls 86/05/09 BAC/ORG	T051 3.25 ft bls 86/05/09 BAC/ORG	T051 4.25 ft bls 86/05/09 BAC/ORG	T051 5.25 ft bls 86/05/09 BAC/ORG	T052 2 ft bls 86/05/09 BAC/ORG	T052 3.75 ft bls 86/05/09 BAC/ORG	T052A 1.25 ft bls 86/05/09 BAC/ORG	T052A 3.25 ft bls 86/05/09 BAC/ORG	T052A 4.25 ft bls 86/05/09 BAC/ORG	T053 1 ft bls 86/05/09 BAC/ORG	T053 2 ft bls 86/05/09 BAC/ORG	T053 3 ft bls 86/05/09 BAC/ORG
2,4'-DDD	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	8.1(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
2,4'-DDE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	0.04(R)	41	1.7(R)	3(R)	1.7(R)	1(R)	0.06(R)	0.03(R)	<0.01
2,4'-DDT	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03(R)	<0.03(R)	<30	55(R)	<3(R)	<0.3(R)	<0.3(R)	<0.03(R)	<0.03(R)	<0.03
4,4'-DDD	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	530	28(R)	30(R)	2.7(R)	2(R)	0.24(R)	0.08(R)	<0.01
4,4'-DDE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	0.03(R)	710	6.1(R)	25(R)	4.4(R)	3.1(R)	0.43(R)	0.07(R)	<0.01
4,4'-DDT	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03(R)	<0.03(R)	2300	390(R)	105(R)	2.7(R)	2.4(R)	0.44(R)	0.23(R)	<0.03
Aldrin																
alpha-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	0.76(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
alpha-Endosulfan																
beta-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	33(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
beta-Endosulfan																
Chlordane																
delta-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	26(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
Dieldrin																
Endosulfan 1																
Endosulfan 2																
Endosulfan sulfate																
Endrin																
Endrin aldehyde																
Endrin Ketone																
gamma-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	21(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
PCB 1016																
PCB 1221																
PCB 1232																
PCB 1242																
PCB 1248																
PCB 1254																
PCB 1260																
Total BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(R)	<0.01(R)	<10	81(R)	<1(R)	<0.1(R)	<0.1(R)	<0.01(R)	<0.01(R)	<0.01
Total DDT	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03(R)	0.07(R)	3600	490(R)	160(R)	12(R)	8.5(R)	1.2(R)	0.41(R)	<0.03
Toxaphene																

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T053 4 ft bls 86/05/09 BAC/ORG	T053 5 ft bls 86/05/09 BAC/ORG	T054 1 ft bls 86/05/09 BAC/ORG	T054 2 ft bls 86/05/09 BAC/ORG	T054 3 ft bls 86/05/09 BAC/ORG	T054 4 ft bls 86/05/09 BAC/ORG	T054 5 ft bls 86/05/09 BAC/ORG	T061 1.25 ft bls 86/05/07 BAC/ORG	T061 1.75 ft bls 86/05/07 BAC/ORG	T061 2.75 ft bls 86/05/07 BAC/ORG	T061 3.25 ft bls 86/05/07 BAC/FD	T061 3.75 ft bls 86/05/07 BAC/ORG	T061 4.75 ft bls 86/05/07 BAC/ORG	T061 5.25 ft bls 86/05/07 BAC/FD	T062 0.75 ft bls 86/05/07 BAC/ORG	T062 1.75 ft bls 86/05/07 BAC/ORG
2,4'-DDD	<0.01	<0.01	0.03	0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
2,4'-DDE	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	55(NJB)	0.2(NJB)
2,4'-DDT	<0.03	<0.03	0.13	0.03	<0.03	<0.03	<0.03	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<30(J)	<0.3(J)
4,4'-DDD	<0.01	<0.01	0.05	0.04	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	130(NJB)	1.2(NJB)
4,4'-DDE	<0.01	<0.01	0.33	0.08	<0.01	<0.01	<0.01	0.1(NJB)(EA)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	250(NJB)(EA)	1.8(NJB)(EA)
4,4'-DDT	<0.03	<0.03	0.56	0.2	<0.03	<0.03	<0.03	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	180(NJB)	2.9(NJB)
Aldrin																
alpha-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
alpha-Endosulfan																
beta-BHC	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
beta-Endosulfan																
Chlordane																
delta-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
Dieldrin																
Endosulfan 1																
Endosulfan 2																
Endosulfan sulfate																
Endrin																
Endrin aldehyde																
Endrin Ketone																
gamma-BHC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
PCB 1016																
PCB 1221																
PCB 1232																
PCB 1242																
PCB 1248																
PCB 1254																
PCB 1260																
Total BHC	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<0.01(J)	<10(J)	<0.1(J)
Total DDT	<0.03	<0.03	1.1	0.36	<0.03	<0.03	<0.03	0.1(NJB)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	<0.03(J)	620(NJB)	8.1(NJB)
Toxaphene																

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T062 2.75 ft bls 86/05/07 BAC/ORG	T062 3.75 ft bls 86/05/07 BAC/ORG	T062 5 ft bls 86/05/07 BAC/ORG	T063 1.25 ft bls 86/05/07 BAC/ORG	T063 1.75 ft bls 86/05/07 BAC/ORG	T063 2.75 ft bls 86/05/07 BAC/ORG	T063 3.75 ft bls 86/05/07 BAC/ORG	T063 5.25 ft bls 86/05/07 BAC/ORG	T064 1 ft bls 86/05/07 BAC/ORG	T064 2 ft bls 86/05/07 BAC/ORG	T064 3 ft bls 86/05/07 BAC/ORG	T064 4 ft bls 86/05/07 BAC/ORG	T064 5.25 ft bls 86/05/07 BAC/ORG
2,4'-DDD	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	3.6(R)	3.7(NJB)	<0.01(J)	<0.01(J)	<0.01
2,4'-DDE	0.05(NJB)	<0.01(J)	<0.01(J)	18(R)	1.2(R)	<0.01(R)	<0.01(R)	<0.01(R)	1.3(R)	1(NJB)	0.08(NJB)	0.03(NJB)	<0.01
2,4'-DDT	<0.03(J)	<0.03(J)	<0.03(J)	<3(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	2.3(R)	2.5(NJB)	<0.03(J)	<0.03(J)	<0.03
4,4'-DDD	0.21(NJB)	<0.01(J)	<0.01(J)	24(R)	1.6(R)	0.04(R)	<0.01(R)	<0.01(R)	0.2(R)	0.3(NJB)	0.49(NJB)	0.05(NJB)	0.03
4,4'-DDE	0.23(NJB)	<0.01(J)	<0.01(J)	3.2(R)[EA]	0.14(R)[EA]	0.07(R)[EA]	0.04(R)[EA]	<0.01(R)	0.3(R)[EA]	0.3(NJB)[EA]	0.96(NJB)[EA]	0.13(NJB)[EA]	0.04[EA]
4,4'-DDT	0.07(NJB)	<0.03(J)	<0.03(J)	34(R)	3.5(R)	0.04(R)	<0.03(R)	<0.03(R)	4.3(R)	4.5(NJB)	1.9(NJB)	0.12(NJB)	0.09
Aldrin													
alpha-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01
alpha-Endosulfan													
beta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01
beta-Endosulfan													
Chlordane													
delta-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01
Dieldrin													
Endosulfan 1													
Endosulfan 2													
Endosulfan sulfate													
Endrin													
Endrin aldehyde													
Endrin Ketone													
gamma-BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01
Heptachlor													
Heptachlor epoxide													
Methoxychlor													
PCB 1016													
PCB 1221													
PCB 1232													
PCB 1242													
PCB 1248													
PCB 1254													
PCB 1260													
Total BHC	<0.01(J)	<0.01(J)	<0.01(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(R)	<0.1(J)	<0.01(J)	<0.01(J)	<0.01
Total DDT	0.58(NJB)	<0.03(J)	<0.03(J)	79(R)	6.4(R)	0.15(R)	<0.03(R)	<0.03(R)	12(R)	12(NJB)	3.4(NJB)	0.33(NJB)	0.18
Toxaphene													

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	NS001 0.25 ft bls 86/05/20 BAC/ORG	NS001 0.25 ft bls 86/05/20 VILO/SEP	NS002 0.25 ft bls 86/05/20 BAC/FD	NS002 0.25 ft bls 86/05/20 BAC/ORG	NS003 0.25 ft bls 86/05/20 BAC/ORG	NS004 0.25 ft bls 86/05/20 BAC/ORG	NS005 0.25 ft bls 86/05/20 BAC/ORG	NS006 0.25 ft bls 86/05/20 BAC/ORG	NS007 0.25 ft bls 86/05/20 BAC/ORG	NS008 0.25 ft bls 86/05/21 BAC/FD	NS008 0.25 ft bls 86/05/21 BAC/ORG	NS009 0.25 ft bls 86/05/21 BAC/ORG	NS010 0.25 ft bls 86/05/21 BAC/ORG	NS011 0.25 ft bls 86/05/20 BAC/ORG	NS012 0.25 ft bls 86/05/20 BAC/ORG	NS013 0.25 ft bls 86/05/20 BAC/ORG
2,4'-DDD	<0.1		<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	0.01	<0.01	<0.01	<0.1	<0.1	<0.1
2,4'-DDE	5.6		0.2	<0.1	<0.1	0.11	0.7	0.4	<0.1	<0.01	0.01	0.08	<0.01	<0.1	0.2	0.2
2,4'-DDT	<0.3		<0.3	<0.3	<0.3	<0.03	<0.3	<0.3	<0.3	0.11	0.15	<0.3	<0.03	<0.3	<0.3	<0.3
4,4'-DDD	3	<0.01[EH]	2.3	2.5	0.3	0.12	2.1	0.5	0.4	0.03	0.04	0.02	<0.01	0.2	0.5	0.8
4,4'-DDE	2.3	2.1[EH]	1.8	1.9	0.4	0.25	3.2	1.8	0.7	0.23	0.29	0.09	0.01	0.6	0.3	3
4,4'-DDT	6.2	6[EH]	9.8	14	0.6	0.53	4	1.9	2.1	0.97	1.4	0.56	<0.03	1.3	1.7	3.6
Aldrin		<0.005[EH]														
alpha-BHC	<0.1	<0.005[EH]	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	<0.01	<0.02	<0.01	<0.1	<0.1	<0.1
alpha-Endosulfan		<0.005[EH]														
beta-BHC	<0.1	<0.005[EH]	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	<0.01	0.03	<0.01	<0.1	<0.1	<0.1
beta-Endosulfan		<0.01[EH]														
Chlordane		28[EH]														
delta-BHC	<0.1	<0.005[EH]	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	<0.01	0.01	<0.01	<0.1	<0.1	<0.1
Dieldrin		<0.01[EH]														
Endosulfan 1		<0.005[EH]														
Endosulfan 2		<0.01[EH]														
Endosulfan sulfate		<0.01[EH]														
Endrin		<0.01[EH]														
Endrin Ketone		<0.01[EH]														
gamma-BHC	<0.1	<0.005[EH]	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	<0.01	0.06	<0.01	<0.1	<0.1	<0.1
Heptachlor		0.28[EH]														
Heptachlor epoxide		<0.005[EH]														
Methoxychlor		<0.01[EH]														
PCB 1016		<0.05[EH]														
PCB 1221		<0.05[EH]														
PCB 1232		<0.05[EH]														
PCB 1242		<0.05[EH]														
PCB 1248		<0.05[EH]														
PCB 1254		<0.1[EH]														
PCB 1260		<0.1[EH]														
Total BHC	<0.1	<0.005[EH]	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.01	<0.01	0.1	<0.01	<0.1	<0.1	<0.1
Total DDT	17	8.1[EH]	14	18	1.3	1	10	3.6	3.2	1.3	1.9	0.75	<0.03	2.1	2.8	7.6
Toxaphene		<0.1[EH]														

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	NS013 0.25 ft bls 86/05/20 VILO/SEP	NS014 0.25 ft bls 86/05/20 BAC/ORG	NS015 0.25 ft bls 86/05/20 BAC/ORG	NS016 0.25 ft bls 86/05/20 BAC/ORG	NS017 0.25 ft bls 86/05/20 BAC/ORG
2,4'-DDD		<0.01	<0.1	<0.01	<0.1
2,4'-DDE		0.06	<0.1	<0.01	<0.1
2,4'-DDT		<0.03	<0.3	<0.03	<0.3
4,4'-DDD	<0.01[EH]	0.04	0.3	0.05	0.2
4,4'-DDE	1.8[EH]	0.09	0.4	0.1	0.2
4,4'-DDT	2.9[EH]	0.1	0.8	0.3	0.8
Aldrin	<0.0051[EH]				
alpha-BHC	<0.0051[EH]	<0.01	<0.1	<0.01	<0.1
alpha-Endosulfan	<0.0051[EH]				
beta-BHC	<0.0051[EH]	<0.01	<0.1	<0.01	<0.1
beta-Endosulfan	<0.01[EH]				
Chlordane	<0.01[EH]				
delta-BHC	<0.0051[EH]	<0.01	<0.1	<0.01	<0.1
Dieldrin	<0.01[EH]				
Endosulfan 1	<0.0051[EH]				
Endosulfan 2	<0.01[EH]				
Endosulfan sulfate	<0.01[EH]				
Endrin	<0.01[EH]				
Endrin Ketone	<0.01[EH]				
gamma-BHC	<0.0051[EH]	<0.01	<0.1	<0.01	<0.1
Heptachlor	<0.0051[EH]				
Heptachlor epoxide	<0.0051[EH]				
Methoxychlor	<0.01[EH]				
PCB 1016	<0.051[EH]				
PCB 1221	<0.051[EH]				
PCB 1232	<0.051[EH]				
PCB 1242	<0.051[EH]				
PCB 1248	<0.051[EH]				
PCB 1254	<0.1[EH]				
PCB 1260	<0.1[EH]				
Total BHC	<0.0051[EH]	<0.01	<0.1	<0.01	<0.1
Total DDT	3[EH]	0.28	1.3	0.45	1.2
Toxaphene	<0.1[EH]				

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA015 0.5 ft bls 88/09/17 ATI/ORG	LA015 2 ft bls 88/09/17 ATI/ORG	LA015 2.8 ft bls 88/09/17 ATI/FD	LA015 3.5 ft bls 88/09/17 ATI/ORG	LA016 0.5 ft bls 88/09/12 ATI/ORG	LA016 1.5 ft bls 88/09/12 ATI/ORG	LA016 2.5 ft bls 88/09/12 E3I/OEPA	LA016 3 ft bls 88/09/12 ATI/ORG	LA017 0.5 ft bls 88/09/17 ATI/ORG	LA017 2 ft bls 88/09/17 ATI/ORG	LA017 3.5 ft bls 88/09/17 ATI/ORG	LA018 0.5 ft bls 88/09/12 ATI/ORG	LA018 1.5 ft bls 88/09/12 ATI/ORG	LA018 3 ft bls 88/09/12 ATI/ORG	LA019 0.5 ft bls 88/09/12 ATI/ORG	LA019 1 ft bls 88/09/12 E3I/OEPA	LA019 1.7 ft bls 88/09/12 ATI/ORG
2,4'-DDD	<5	<0.004	<0.002	<0.002	1.7	<2		<2	<1	<5	<0.002	<0.2	<0.002	<0.002	0.025		<0.002
2,4'-DDE	<5	<0.004	<0.002	<0.002	2.1	<2		<2	<1	<5	<0.002	<0.2	<0.002	<0.002	0.037		<0.002
2,4'-DDT	26	0.004	0.012	<0.002	33	16		20	2.4	23	<0.002	0.69	0.004	<0.002	0.31		0.003
4,4'-DDD	<5	<0.004	<0.002	<0.002	8.9	<2	1.3	5.2	<1	<5	<0.002	<0.2	<0.002	<0.002	<0.02	<0.68	<0.002
4,4'-DDE	9.8	0.02	0.005	<0.002	13	11	0.34	3.3	1.5	8.1	0.005	2.9	0.007	<0.002	1.3	16	0.021
4,4'-DDT	150	0.02	0.075	<0.002	170	73	1.8	87	23	120	0.008	2.7	0.021	<0.002	1.7	26	0.011
Aldrin	<13	<0.01	<0.005	<0.005	<5	<5	<0.057	<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05	<0.34	<0.005
alpha-BHC	<2.5	<0.002	<0.001	<0.001	<1	<1	1.3	<1	<0.5	<2.5	<0.001	<0.1	<0.001	<0.001	<0.01	<0.34	<0.001
Alpha-Chlordane							<0.57									<3.4	
alpha-Endosulfan	<13	<0.01	<0.005	<0.005	<5	<5	<0.057	<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05	<0.34	<0.005
beta-BHC	<2.5	0.005	<0.001	<0.001	3.5	<1	<0.057	<1	<0.5	<2.5	<0.001	<0.1	<0.001	<0.001	<0.01	<0.34	<0.001
beta-Endosulfan	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
Chlordane	<125	<0.1	<0.05	<0.05	<50	<50		<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5		<0.05
delta-BHC	<2.5	<0.002	<0.001	<0.001	1.8	<1	0.081	<1	<0.5	<2.5	<0.001	<0.1	<0.001	<0.001	<0.01	<0.34	<0.001
Dieldrin	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
Endosulfan 1	<13	<0.01	<0.005	<0.005	<5	<5	<0.057	<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05	<0.34	<0.005
Endosulfan 2	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
Endosulfan sulfate	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
Endrin	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
Endrin aldehyde	<13	<0.01	<0.005	<0.005	<5	<5		<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05		<0.005
Endrin Ketone	<25	<0.02	<0.01	<0.01	<10	<10	<0.11	<10	<5	<25	<0.01	<1	<0.01	<0.01	<0.1	<0.68	<0.01
gamma-BHC	<2.5	0.008	<0.001	<0.001	1.3	<1	0.89	<1	<0.5	<2.5	<0.001	<0.1	<0.001	<0.001	<0.01	<0.34	<0.001
Gamma-Chlordane							<0.57									<3.4	
Heptachlor	<13	<0.01	<0.005	<0.005	<5	<5	<0.057	<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05	<0.34	<0.005
Heptachlor epoxide	<13	<0.01	<0.005	<0.005	<5	<5	<0.057	<5	<2.5	<13	<0.005	<0.5	<0.005	<0.005	<0.05	<0.34	<0.005
Methoxychlor	<125	<0.1	<0.05	<0.05	<50	<50	<0.11	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<0.68	<0.05
PCB 1016	<125	<0.1	<0.05	<0.05	<50	<50	<0.57	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<3.4	<0.05
PCB 1221	<125	<0.1	<0.05	<0.05	<50	<50	<0.57	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<3.4	<0.05
PCB 1232	<125	<0.1	<0.05	<0.05	<50	<50	<0.57	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<3.4	<0.05
PCB 1242	<125	<0.1	<0.05	<0.05	<50	<50	<0.57	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<3.4	<0.05
PCB 1248	<125	<0.1	<0.05	<0.05	<50	<50	<0.57	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<3.4	<0.05
PCB 1254	<125	<0.1	<0.05	<0.05	<50	<50	<1.1	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<6.8	<0.05
PCB 1260	<125	<0.1	<0.05	<0.05	<50	<50	<1.1	<50	<25	<125	<0.05	<5	<0.05	<0.05	<0.5	<6.8	<0.05
Total BHC	<2.5	0.013	<0.001	<0.001	6.6	<1	2.271	<1	<0.5	<2.5	<0.001	<0.1	<0.001	<0.001	<0.01	<0.34	<0.001
Total DDT	190	0.044	0.092	<0.002	230	100	3.44	120	27	150	0.013	6.3	0.032	<0.002	3.4	42.68	0.035
Toxaphene	<250	<0.2	<0.1	<0.1	<100	<100	<1.1	<100	<50	<250	<0.1	<10	<0.1	<0.1	<1	<6.8	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	LA019 2.3 ft bls 88/09/12 ATI/FD	LA019 3 ft bls 88/09/12 ATI/ORG	S101A 126.5 ft bls 88/11/02 BAC/ORG	S101A 69.3 ft bls 88/11/01 BAC/ORG	S101A 89.3 ft bls 88/11/01 BAC/ORG	S301 19.7 ft bls 88/10/24 BAC/ORG	S301 28 ft bls 88/10/24 BAC/ORG	S301 39.2 ft bls 88/10/25 BAC/ORG	S301 39.7 ft bls 88/10/25 BAC/ORG	S301 50.3 ft bls 88/10/25 BAC/ORG	S301 60.4 ft bls 88/10/25 BAC/ORG	S301 60.9 ft bls 88/10/25 ACC/OEPA	S301A 127.8 ft bls 88/10/15 BAC/ORG	S301A 72.6 ft bls 88/10/14 BAC/ORG	S301A 79.6 ft bls 88/10/14 BAC/ORG	S301A 82.1 ft bls 88/10/14 BAC/ORG	S301A 89.7 ft bls 88/10/14 BAC/ORG
2,4'-DDD	<0.002	<0.002	<50(J)	<5000(J)	<10000(J)	<1000	<25(J)	<500(J)	<100	<10	<1		<0.5	<0.6	<5000	<2.5	<5000
2,4'-DDE	<0.002	<0.002	<25	<2500	<5000	<500	<13	<250	<50	<5	<0.5		<0.3	<0.3	<2500	<1.3	<2500
2,4'-DDT	0.004	<0.002	<25(J)	<2500(J)	<5000(J)	<500	<13(J)	<250(J)	<50	<5	<0.5		<0.3	<0.3	<2500	<1.3	<2500
4,4'-DDD	<0.002	<0.002	59	<5000	14000	<1000	32	<500	150	24	1.1	0.039	<0.5	0.64(J)	<5000	2.9(J)	<5000
4,4'-DDE	0.007	0.002	<25	<2500	<5000	<500	<13	<250	<50	<5	<0.5	0.027	<0.3	<0.3	<2500	<1.3	<2500
4,4'-DDT	0.021	0.004	130	11000	37000	990	45	630	300	24	2.7	0.84	1.5(J)[EA]	2.1(J)[EA]	3900(EA]	9.3(J)[EA]	3800(EA]
Aldrin	<0.005	<0.005										<0.0089					
alpha-BHC	<0.001	<0.001	<20	<2000	<4000	<400	<10	<200	<40	<4	<0.4	<0.0089	<0.2	<0.2	<2000	<1	<2000
Alpha-Chlordane												<0.089					
alpha-Endosulfan	<0.005	<0.005										<0.0089					
beta-BHC	<0.001	<0.001	<20	<2000	<4000	<400	<10	<200	<40	<4	<0.4	<0.0089	<0.2	<0.2	<2000	<1	<2000
beta-Endosulfan	<0.01	<0.01										<0.018					
Chlordane	<0.05	<0.05															
delta-BHC	<0.001	<0.001	<20	<2000	<4000	<400	<10	<200	<40	<4	<0.4	<0.0089	<0.2	<0.2	<2000	<1	<2000
Dieldrin	<0.01	<0.01										<0.018					
Endosulfan 1	<0.005	<0.005										<0.0089					
Endosulfan 2	<0.01	<0.01										<0.018					
Endosulfan sulfate	<0.01	<0.01										<0.018					
Endrin	<0.01	<0.01										<0.018					
Endrin aldehyde	<0.005	<0.005															
Endrin Ketone	<0.01	<0.01										<0.018					
gamma-BHC	<0.001	<0.001	<20	<2000	<4000	<400	<10	<200	<40	<4	<0.4	<0.0089	<0.2	<0.2	<2000	<1	<2000
Gamma-Chlordane												<0.089					
Heptachlor	<0.005	<0.005										<0.0089					
Heptachlor epoxide	<0.005	<0.005										<0.0089					
Methoxychlor	<0.05	<0.05										<0.089					
PCB 1016	<0.05	<0.05										<0.089					
PCB 1221	<0.05	<0.05										<0.089					
PCB 1232	<0.05	<0.05										<0.089					
PCB 1242	<0.05	<0.05										<0.089					
PCB 1248	<0.05	<0.05										<0.089					
PCB 1254	<0.05	<0.05										<0.18					
PCB 1260	<0.05	<0.05										<0.18					
Total BHC	<0.001	<0.001	<20	<2000	<4000	<400	<10	<200	<40	<4	<0.4	<0.0089	<0.2	<0.2	<2000	<1	<2000
Total DDT	0.032	0.006	190	11000	51000	990	77	630	450	48	3.8	0.906	1.5	2.7	3900	12	3800
Toxaphene	<0.1	<0.1										<0.18					

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S301B 9.2 ft bls 88/10/28 BAC/ORG	S302A 125.3 ft bls 88/10/18 BAC/ORG	S302A 73.5 ft bls 88/10/17 BAC/ORG	S302A 79.6 ft bls 88/10/18 BAC/ORG	S302E 8.3 ft bls 88/10/27 BAC/ORG	S302E 8.8 ft bls 88/10/27 BAC/FD	S302F 21.8 ft bls 88/10/28 BAC/ORG	S302F 31.3 ft bls 88/10/28 BAC/ORG	S302F 39.2 ft bls 88/10/28 BAC/ORG	S302F 39.7 ft bls 88/10/28 BAC/FD	S302F 49.2 ft bls 88/10/28 BAC/ORG	S302F 59.2 ft bls 88/10/28 BAC/ORG	S302F 9.1 ft bls 88/10/28 BAC/ORG	S303 129.6 ft bls 88/09/21 BAC/ORG	S303 18.4 ft bls 88/09/19 BAC/ORG	S303 25.7 ft bls 88/09/19 BAC/ORG	S303 36.7 ft bls 88/09/19 BAC/ORG
2,4'-DDD	<20(J)	<1	<5	<10	<2000(J)	<500(J)	<0.2(J)	<2(J)	<2(J)	<1(J)	<25(J)	<250(J)	<10(J)	<0.007	<10	<1	<0.1
2,4'-DDE	<10	<0.5	<2.5	5.5	<1000	<250	<0.1	<1	<1	<0.5	<13	<130	<5	<0.003	<5	<0.5	<0.05
2,4'-DDT	<10(J)	<0.5	<2.5	<5	<1000(J)	<250(J)	<0.1(J)	<1(J)	<1(J)	<0.5(J)	<13(J)	<130(J)	<5(J)	<0.003	<5	<0.5	<0.05
4,4'-DDD	43	1.2	7.2	21	<2000	<500	0.73	2.3	2.7	<1	40	840	<10	<0.007	22	1.6	0.27
4,4'-DDE	<10	1.8	8.4	25	1500	310	<0.1	1.9	3.5	0.71	51	760	10	<0.003	<5	<0.5	<0.05
4,4'-DDT	45	2.3	11	36	2300	1200	0.68	4.9	6	0.79	73	1200	<5	<0.003	14(J)	1.8(J)	0.32(J)
Aldrin																	
alpha-BHC	<8[EA]	<0.4	<2	<4	<800	<200	<0.08[EA]	<0.8[EA]	<0.8[EA]	<0.4[EA]	<10[EA]	<100[EA]	<4[EA]	<0.003	<4	<0.4	<0.04
Alpha-Chlordane																	
alpha-Endosulfan																	
beta-BHC	<8	<0.4	<2	<4	<800	<200	<0.08	<0.8	<0.8	<0.4	<10	<100	<4	<0.003	<4	<0.4	<0.04
beta-Endosulfan																	
Chlordane																	
delta-BHC	<8	<0.4	<2	<4	<800	<200	<0.08	<0.8	<0.8	<0.4	<10	<100	<4	<0.003	<4	<0.4	<0.04
Dieldrin																	
Endosulfan 1																	
Endosulfan 2																	
Endosulfan sulfate																	
Endrin																	
Endrin aldehyde																	
Endrin Ketone																	
gamma-BHC	<8	<0.4	<2	<4	<800	<200	<0.08	<0.8	<0.8	<0.4	<10	<100	<4	<0.003	<4	<0.4	<0.04
Gamma-Chlordane																	
Heptachlor																	
Heptachlor epoxide																	
Methoxychlor																	
PCB 1016																	
PCB 1221																	
PCB 1232																	
PCB 1242																	
PCB 1248																	
PCB 1254																	
PCB 1260																	
Total BHC	<8	<0.4	<2	<4	<800	<200	<0.08	<0.8	<0.8	<0.4	<10	<100	<4	<0.003	<4	<0.4	<0.04
Total DDT	88	5.1	27	88	3800	1500	1.48	8.1	12	1.5	160	2600	10	<0.007	36	3.5	0.59
Toxaphene																	

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S303 48 ft bls 88/09/19 BAC/ORG	S303 48.5 ft bls 88/09/19 E3I/DSEP	S303 48.5 ft bls 88/09/19 E3I/SEPA	S303 54.7 ft bls 88/09/19 BAC/ORG	S303 55.2 ft bls 88/09/19 BAC/FD	S303 6.4 ft bls 88/09/19 BAC/ORG	S303A 83.5 ft bls 88/10/27 BAC/ORG	S303A 89.1 ft bls 88/10/27 BAC/ORG	S303A 91.6 ft bls 88/10/27 BAC/ORG	S304 19.7 ft bls 88/10/26 BAC/ORG	S304 29.6 ft bls 88/10/26 BAC/ORG	S304 30.1 ft bls 88/10/26 BAC/FD	S304 38.3 ft bls 88/10/26 BAC/ORG	S304 44.1 ft bls 88/10/26 BAC/ORG	S304 51.7 ft bls 88/10/26 BAC/ORG	S304 58.8 ft bls 88/10/26 BAC/ORG	S304 9.2 ft bls 88/10/26 BAC/ORG
2,4'-DDD	<0.1			<1	<2	<50	<1(J)	<1(J)	<5(J)	<250(J)	<1000(J)	<1000(J)	<200(J)	<200(J)	<2.5(J)	<1(J)	<500(J)
2,4'-DDE	<0.05			<0.5	<1	<25	<0.5	<0.5	<2.5	<130	<500	<500	<100	<100	<1.3	<0.5	<250
2,4'-DDT	<0.05			<0.5	<1(J)	<25	<0.5(J)	<0.5(J)	<2.5(J)	<130(J)	<500(J)	<500(J)	<100(J)	<100(J)	<1.3(J)	<0.5(J)	<250(J)
4,4'-DDD	<0.1	<0.17	<0.071	2.7	<2	75	<1	1.1	<5	<250	<1000	<1000	<200	<200	3.6	<1	830
4,4'-DDE	<0.05	<0.071	<0.17	<0.5	<1	240	<0.5	<0.5	<2.5	<130	<500	<500	140	120	<1.3	<0.5	990
4,4'-DDT	0.06(J)	<0.17	<0.071	3.1(J)	4	650(J)	0.81	1.5	7.7	450	1100	1500	460	330	6.8	1.5	1900
Aldrin		<0.035	<0.085														
alpha-BHC	<0.04	<0.085	<0.035	<0.4	<0.8	<20	<0.4	<0.4	<2	<100[EA]	<400[EA]	<400[EA]	<80(EA)	<80(EA)	<1[EA]	<0.4[EA]	<200[EA]
Alpha-Chlordane		<0.35	<0.85														
alpha-Endosulfan		<0.035	<0.085														
beta-BHC	<0.04	<0.035	<0.085	<0.4	<0.8	<20	<0.4	<0.4	<2	<100	<400	<400	<80	<80	<1	<0.4	<200
beta-Endosulfan		<0.071	<0.17														
Chlordane																	
delta-BHC	<0.04	<0.085	<0.035	<0.4	<0.8	<20	<0.4	<0.4	<2	<100	<400	<400	<80	<80	<1	<0.4	<200
Dieldrin		<0.17	<0.071														
Endosulfan 1		<0.035	<0.085														
Endosulfan 2		<0.071	<0.17														
Endosulfan sulfate		<0.071	<0.17														
Endrin		<0.17	<0.071														
Endrin aldehyde																	
Endrin Ketone		<0.17	<0.071														
gamma-BHC	<0.04	<0.035	<0.085	<0.4	<0.8	<20	<0.4	<0.4	<2	<100	<400	<400	<80	<80	<1	<0.4	<200
Gamma-Chlordane		<0.35	<0.85														
Heptachlor		<0.085	<0.035														
Heptachlor epoxide		<0.085	<0.035														
Methoxychlor		<0.071	<0.17														
PCB 1016		<0.85	<0.35														
PCB 1221		<0.35	<0.85														
PCB 1232		<0.85	<0.35														
PCB 1242		<0.35	<0.85														
PCB 1248		<0.85	<0.35														
PCB 1254		<0.71	<1.7														
PCB 1260		<1.7	<0.71														
Total BHC	<0.04	<0.085	<0.085	<0.4	<0.8	<20	<0.4	<0.4	<2	<100	<400	<400	<80	<80	<1	<0.4	<200
Total DDT	0.06	<0.17	<0.17	5.8	4	970	0.81	2.6	7.7	450	1100	1500	600	450	10	1.5	3700
Toxaphene		<0.71	<1.7														

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S304A 78.3 ft bls 88/10/13 BAC/ORG	S304A 81 ft bls 88/10/13 BAC/ORG	S305 14.6 ft bls 88/09/26 BAC/ORG	S305 24.3 ft bls 88/09/26 BAC/ORG	S305 34.3 ft bls 88/09/26 BAC/ORG	S305 37 ft bls 88/09/26 BAC/ORG	S305 44.3 ft bls 88/09/26 BAC/ORG	S305 44.8 ft bls 88/09/26 BAC/ORG	S305 54.3 ft bls 88/09/26 BAC/ORG	S305 64.3 ft bls 88/09/26 BAC/ORG	S305 7.8 ft bls 88/09/26 BAC/ORG	S305 74.7 ft bls 88/09/26 BAC/ORG	S305 8.3 ft bls 88/09/26 CAL/DEPA	S305 8.3 ft bls 88/09/26 CAL/DEPA	S305A 129.3 ft bls 88/10/17 BAC/ORG	S305A 73.2 ft bls 88/10/16 BAC/ORG	S305A 81.5 ft bls 88/10/16 BAC/ORG
2,4'-DDD	<25000(J)	<25000(J)	<5000	<1000	<5000	<1000	<5000	<5000	<0.1(J)	<1(J)	<5000	<500			<10	<50	<2.5
2,4'-DDE	<13000	<13000	<2500	<500	<2500	<500	<2500	<2500	<0.05(J)	<0.5(J)	<2500	<250			<5	<25	<1.3
2,4'-DDT	<13000	<13000	<2500(J)	<500	<2500(J)	<500(J)	<2500(J)	<2500(J)	<0.05(J)	<0.5(J)	<2500	<250(J)			<5	<25	<1.3
4,4'-DDD	<25000	<25000	<5000	1300	<5000	1100	<5000	<5000	0.3	<1	<5000	<500	<2.8	<320	10	<50	<2.5
4,4'-DDE	<13000	<13000	<2500	<500	<2500	<500	<2500	<2500	<0.05	<0.5	<2500	<250	<2.8	200(J)	<5	<25	<1.3
4,4'-DDT	69000	51000	5100	2100	2800	2300	4600	4800	0.56	0.55	9900	540	<2.8	<320	24(EA)	130(EA)	8.4(J)(EA)
Aldrin													<1.4	<160			
alpha-BHC	<10000	<10000	<2000	<400	<2000	<400	<2000	<2000	<0.04	<0.4	<2000	<200	<1.4	<160	<4	<20	<1
Alpha-Chlordane													<14	<1600			
alpha-Endosulfan													<1.4	<160			
beta-BHC	<10000	<10000	<2000	<400	<2000	<400	<2000	<2000	<0.04	<0.4	<2000	<200	<1.4	<160	<4	<20	<1
beta-Endosulfan													<2.8	<320			
Chlordane																	
delta-BHC	<10000	<10000	<2000	<400	<2000	<400	<2000	<2000	<0.04	<0.4	<2000	<200	<1.4	<160	<4	<20	<1
Dieldrin													<2.8	<320			
Endosulfan 1													<1.4	<160			
Endosulfan 2													<2.8	<320			
Endosulfan sulfate													<2.8	<320			
Endrin													<2.8	<320			
Endrin aldehyde																	
Endrin Ketone													<2.8	<320			
gamma-BHC	<10000	<10000	<2000	<400	<2000	<400	<2000	<2000	<0.04	<0.4	<2000	<200	<1.4	<160	<4	<20	<1
Gamma-Chlordane													0.17(J)	<1600			
Heptachlor													<1.4	<160			
Heptachlor epoxide													<1.4	<160			
Methoxychlor													<14	<1600			
PCB 1016													<14	<1600			
PCB 1221													<14	<1600			
PCB 1232													<14	<1600			
PCB 1242													<14	<1600			
PCB 1248													<14	<1600			
PCB 1254													<28	<3200			
PCB 1260													<28	<3200			
Total BHC	<10000	<10000	<2000	<400	<2000	<400	<2000	<2000	<0.04	<0.4	<2000	<200	<1.4	<160	<4	<20	<1
Total DDT	69000	51000	5100	3400	2800	3400	4600	4800	0.86	0.55	9900	540	<2.8	200	34	130	8.4
Toxaphene													<28	<3200			

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	S305A 90.9 ft bls 88/10/16 BAC/ORG	SP003 1.5 ft bls 88/09/16 ATI/ORG	SP003 2.25 ft bls 88/09/16 ATI/ORG	SP003 2.75 ft bls 88/09/16 E3I/OEPA	SP003 3.25 ft bls 88/09/16 ATI/ORG	SP003 4.5 ft bls 88/09/16 ATI/ORG	SP003 5.5 ft bls 88/09/16 ATI/ORG	SP004 3.5 ft bls 88/09/16 ATI/ORG	SP004 4 ft bls 88/09/16 ATI/FD	SP004 4.5 ft bls 88/09/16 ATI/ORG	SP004 5.5 ft bls 88/09/16 ATI/ORG	SP004A 2 ft bls 88/09/16 ATI/ORG	SP005 1.5 ft bls 88/09/16 ATI/ORG	SP005 2.5 ft bls 88/09/16 ATI/ORG	SP005 3.5 ft bls 88/09/16 ATI/ORG	SP005 4.5 ft bls 88/09/16 ATI/ORG	SP005 5.5 ft bls 88/09/16 ATI/ORG
2,4'-DDD	<10000	<0.01	<0.5		<0.01	<0.004	<2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002
2,4'-DDE	<5000	<0.01	0.45		<0.01	<0.004	<2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002
2,4'-DDT	<5000	0.08	3.4		0.06	0.02	6.4	<0.002	<0.002	<0.002	<0.002	<0.002	0.06	<0.002	<0.002	<0.002	<0.002
4,4'-DDD	<10000	<0.01	0.42	<0.0072	<0.01	<0.004	<2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002
4,4'-DDE	<5000	0.08	3.5	0.0038(J)	0.15	0.02	7.2	0.003	<0.002	<0.002	<0.002	<0.002	0.29	<0.002	<0.002	<0.002	0.007
4,4'-DDT	24000(EA)	0.044	18	<0.0072	0.28	0.08	38	0.01	<0.002	0.002	<0.002	<0.002	0.1	<0.002	<0.002	<0.002	0.013
Aldrin		<0.025(EA)	<1.3(EA)	<0.0038	<0.025(EA)	<0.01(EA)	<5(EA)	<0.005(EA)	<0.005(EA)	<0.005(EA)	<0.005(EA)	<0.005(EA)	<0.05(EA)	<0.005	<0.005	<0.005	<0.005
alpha-BHC	<4000	<0.005	<0.25	<0.0038	<0.005	<0.002	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Alpha-Chlordane				<0.036													
alpha-Endosulfan		<0.025	<1.3	<0.0038	<0.025	<0.01	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
beta-BHC	<4000	0.01	0.37	<0.0038	0.009	0.006	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
beta-Endosulfan		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Chlordane		<0.25	<13		<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
delta-BHC	<4000	<0.005	<0.25	<0.0038	<0.005	<0.002	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Dieldrin		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Endosulfan 1		<0.025	<1.3	<0.0038	<0.025	<0.01	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Endosulfan 2		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Endosulfan sulfate		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Endrin		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde		<0.025	<1.3		<0.025	<0.01	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Endrin Ketone		<0.05	<2.5	<0.0072	<0.05	<0.02	<10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
gamma-BHC	<4000	<0.005	<0.25	<0.0038	<0.005	<0.002	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Gamma-Chlordane				<0.036													
Heptachlor		<0.025	<1.3	<0.0038	<0.025	<0.01	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide		<0.025	<1.3	<0.0038	<0.025	<0.01	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Methoxychlor		<0.25	<13	<0.0072	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1016		<0.25	<13	<0.038	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1221		<0.25	<13	<0.038	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1232		<0.25	<13	<0.038	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1242		<0.25	<13	<0.038	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1248		<0.25	<13	<0.036	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1254		<0.25	<13	<0.072	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
PCB 1260		<0.25	<13	<0.072	<0.25	<0.1	<50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
Total BHC	<4000	0.01	0.37	<0.0038	0.009	0.006	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Total DDT	24000	0.8	26	0.0038	0.49	0.12	52	0.013	<0.002	0.002	<0.002	<0.002	0.45	<0.002	<0.002	<0.002	0.02
Toxaphene		<0.5	<25	<0.072	<0.5	<0.2	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	SP005 6 ft bls 88/09/16 E3I/SEPA	T021B 0.75 ft bls 88/09/15 ATI/ORG	T021B 2.5 ft bls 88/09/15 ATI/ORG	T021B 4.5 ft bls 88/09/15 ATI/ORG	T021B 5 ft bls 88/09/15 E3I/SEPA	T021B 6.5 ft bls 88/09/15 ATI/ORG	T021B 8.5 ft bls 88/09/15 ATI/ORG	T021B 9 ft bls 88/09/15 ATI/FD	T022 0.75 ft bls 88/09/15 ATI/ORG	T022 2.5 ft bls 88/09/15 ATI/ORG	T022 4.5 ft bls 88/09/15 ATI/ORG	T022 6.5 ft bls 88/09/15 ATI/ORG	T022 8.5 ft bls 88/09/15 ATI/ORG	T023 0.75 ft bls 88/09/15 ATI/ORG	T023 1.25 ft bls 88/09/15 ATI/FD	T023 2.5 ft bls 88/09/15 ATI/ORG	T023 4.5 ft bls 88/09/15 ATI/ORG
2,4'-DDD		0.005	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.008	<0.002	<0.002	<0.002	<0.002
2,4'-DDE		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	0.005	<0.002	<0.002	<0.008	0.002	0.002	<0.002	<0.002
2,4'-DDT		0.033	<0.002	0.004		0.012	<0.002	<0.002	<0.002	0.037	<0.002	<0.002	0.006	0.011	0.011	<0.002	<0.002
4,4'-DDD	<0.018	<0.002	<0.002	<0.002	<0.0075	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.008	<0.002	<0.002	<0.002	<0.002
4,4'-DDE	0.23	0.38	0.02	0.004	0.061	0.12	<0.002	<0.002	<0.002	0.6	0.019	0.008	0.065	0.23	0.28	0.003	0.003
4,4'-DDT	0.45	0.13	0.011[EA]	<0.002	0.022	0.51	<0.002	<0.002	<0.002	0.24	0.011[EA]	0.003[EA]	0.028[EA]	0.051[EA]	0.058[EA]	<0.002	0.003[EA]
Aldrin	<0.0089	<0.005	<0.005	<0.005	<0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
alpha-BHC	0.0065(J)	<0.001	<0.001	<0.001	<0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001
Alpha-Chlordane	<0.089				<0.037												
alpha-Endosulfan	<0.0089	<0.005	<0.005	<0.005	<0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
beta-BHC	0.028	<0.001	<0.001	0.001	<0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.004	<0.001	<0.001	<0.001	<0.001
beta-Endosulfan	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
Chlordane		<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
delta-BHC	<0.0089	<0.001	<0.001	<0.001	<0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
Endosulfan 1	<0.0089	<0.005	<0.005	<0.005	<0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
Endosulfan 2	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
Endosulfan sulfate	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
Endrin	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
Endrin Ketone	<0.018	<0.01	<0.01	<0.01	<0.0075	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
gamma-BHC	<0.0089	<0.001	<0.001	<0.001	<0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001
Gamma-Chlordane	<0.089				<0.037												
Heptachlor	<0.0089	<0.005	<0.005	<0.005	<0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	<0.0089	<0.005	<0.005	<0.005	<0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
Methoxychlor	<0.018	<0.05	<0.05	<0.05	<0.0075	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1016	<0.089	<0.05	<0.05	<0.05	<0.037	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1221	<0.089	<0.05	<0.05	<0.05	<0.037	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1232	<0.089	<0.05	<0.05	<0.05	<0.037	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1242	<0.089	<0.05	<0.05	<0.05	<0.037	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1248	<0.089	<0.05	<0.05	<0.05	<0.037	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1254	<0.18	<0.05	<0.05	<0.05	<0.075	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
PCB 1260	<0.18	<0.05	<0.05	<0.05	<0.075	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
Total BHC	0.0365	<0.001	<0.001	0.001	<0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.004	<0.001	<0.001	<0.001	<0.001
Total DDT	0.68	0.55	0.031	0.008	0.083	0.65	<0.002	<0.002	<0.002	0.88	0.03	0.014	0.099	0.29	0.35	0.003	0.006
Toxaphene	<0.18	<0.1	<0.1	<0.1	<0.075	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T023 6.5 ft bls 88/09/15 ATI/ORG	T023 8.5 ft bls 88/09/15 ATI/ORG	T023 9 ft bls 88/09/15 E3I/OEPA	T023 9 ft bls 88/09/15 E3I/SEPA	T024 0.75 ft bls 88/09/15 ATI/ORG	T024 1.25 ft bls 88/09/15 E3I/OEPA	T024 1.25 ft bls 88/09/15 E3I/SEPA	T024 2.5 ft bls 88/09/15 ATI/ORG	T024 4.5 ft bls 88/09/15 ATI/ORG	T024 6.5 ft bls 88/09/15 ATI/ORG	T024 7 ft bls 88/09/15 ATI/FD	T024 8.5 ft bls 88/09/15 ATI/ORG	T025 0.75 ft bls 88/09/15 ATI/ORG	T025 2.5 ft bls 88/09/15 ATI/ORG	T025 4.5 ft bls 88/09/15 ATI/ORG	T025 6.5 ft bls 88/09/15 ATI/ORG	T025 8.5 ft bls 88/09/15 ATI/ORG
2,4'-DDD	0.006	<0.002			0.004			<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4'-DDE	0.006	<0.002			<0.002			<0.002	<0.002	<0.002	<0.002	<0.002	0.014	<0.002	<0.002	<0.002	<0.002
2,4'-DDT	0.025	<0.002			0.029			0.003	<0.002	<0.002	<0.002	<0.002	0.099	<0.002	<0.002	0.004	<0.002
4,4'-DDD	0.011	<0.002	<0.0071	<0.017	<0.002	<0.0071	<0.017	0.004	0.022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4,4'-DDE	0.21	0.002	<0.0071	<0.017	0.5	0.41	0.41	0.034	0.004	0.004	<0.002	0.003	1.5	0.005	0.01	0.022	<0.002
4,4'-DDT	0.14	<0.002	<0.0071	<0.017	0.14	0.26	0.26	0.015[EA]	0.003[EA]	0.002[EA]	<0.002	<0.002	0.42	0.003[EA]	0.011[EA]	0.011[EA]	<0.002
Aldrin	<0.005	<0.005	<0.0036	<0.0086	<0.005	<0.0036	<0.0086	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
alpha-BHC	<0.001	<0.001	<0.0036	<0.0086	<0.001	<0.0036	<0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Alpha-Chlordane			<0.036	<0.086		<0.036	<0.086										
alpha-Endosulfan	<0.005	<0.005	<0.0036	<0.0086	<0.005	<0.0036	<0.0086	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
beta-BHC	<0.001	<0.001	<0.0036	<0.0086	<0.001	<0.0036	<0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
beta-Endosulfan	<0.01	<0.01	<0.0071	<0.017	<0.01	<0.0071	<0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane	<0.05	<0.05			<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	<0.001	<0.001	<0.0036	<0.0086	<0.001	<0.0036	<0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.01	<0.01	<0.0071	<0.017	<0.01	<0.0071	<0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan 1	<0.005	<0.005	<0.0036	<0.0086	<0.005	<0.0036	<0.0086	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan 2	<0.01	<0.01	<0.0071	<0.017	<0.01	<0.0071	<0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan sulfate	<0.01	<0.01	<0.0071	<0.017	<0.01	<0.0071	<0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin	<0.01	<0.01	<0.0071	<0.017	<0.01	<0.0071	<0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde	<0.005	<0.005			<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endrin Ketone	<0.01	<0.01	<0.0071	<0.017	<0.01		<0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-BHC	<0.001	<0.001	<0.0036	<0.0086	<0.001	<0.0036	<0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gamma-Chlordane			<0.036	<0.086		<0.036	<0.086										
Heptachlor	<0.005	<0.005	<0.0036	<0.0086	<0.005	<0.0036	<0.0086	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	<0.005	<0.005	<0.0036	<0.0086	<0.005	<0.0036	<0.0086	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methoxychlor	<0.05	<0.05	<0.0071	<0.017	<0.05	<0.0071	<0.017	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1016	<0.05	<0.05	<0.036	<0.086	<0.05	<0.036	<0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1221	<0.05	<0.05	<0.036	<0.086	<0.05	<0.036	<0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1232	<0.05	<0.05	<0.036	<0.086	<0.05	<0.036	<0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1242	<0.05	<0.05	<0.036	<0.086	<0.05	<0.036	<0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1248	<0.05	<0.05	<0.036	<0.086	<0.05	<0.036	<0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1254	<0.05	<0.05	<0.071	<0.17	<0.05	<0.071	<0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCB 1260	<0.05	<0.05	<0.071	<0.17	<0.05	<0.071	<0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total BHC	<0.001	<0.001	<0.0086	<0.0086	<0.001	<0.0036	<0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total DDT	0.4	0.002	<0.017	<0.017	0.67	0.67	0.67	0.056	0.029	0.008	0.002	0.003	2	0.008	0.021	0.037	<0.002
Toxaphene	<0.1	<0.1	<0.071	<0.17	<0.1	<0.071	<0.17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T026 0.75 ft bls 88/09/15 ATI/ORG	T026 2.5 ft bls 88/09/15 ATI/ORG	T026 4.5 ft bls 88/09/15 ATI/ORG	T026 6.5 ft bls 88/09/15 ATI/ORG	T026 8.5 ft bls 88/09/15 ATI/ORG	T027 0.75 ft bls 88/09/15 ATI/ORG	T027 2.5 ft bls 88/09/15 ATI/ORG	T027 3 ft bls 88/09/16 E3I/OEPA	T027 3 ft bls 88/09/16 E3I/SEPA	T027 4.5 ft bls 88/09/15 ATI/ORG	T027 6.5 ft bls 88/09/15 ATI/ORG	T027 8.5 ft bls 88/09/15 ATI/ORG	T027 9 ft bls 88/09/15 ATI/FD	T033 10 ft bls 88/09/16 E3I/SEPA	T033 12.5 ft bls 88/09/16 ATI/ORG	T033 15.5 ft bls 88/09/16 ATI/ORG	T033 18.5 ft bls 88/09/16 ATI/ORG
2,4'-DDD	<0.002	<0.002	<0.002	<0.01	<0.002	<0.02	<0.04			<0.002	<0.002	<0.002	<0.002		0.019	<0.002	0.003
2,4'-DDE	0.002	<0.002	<0.002	<0.01	<0.002	<0.02	<0.04			<0.002	<0.002	<0.002	<0.002		0.006	<0.002	<0.002
2,4'-DDT	0.017	<0.002	<0.002	0.012	<0.002	<0.02	0.04			<0.002	<0.002	<0.002	<0.002		0.087	0.005	0.01
4,4'-DDD	<0.002	<0.002	<0.002	<0.01	<0.002	<0.02	<0.04	<0.072	<0.17	<0.002	<0.002	<0.002	<0.002	<0.26	0.007	<0.002	<0.002
4,4'-DDE	0.29	0.009	0.01	0.06	<0.002	0.11	0.34	3.3	3.3	<0.002	0.003	<0.002	<0.002	<0.26	0.036	<0.002	0.005
4,4'-DDT	0.095[EA]	0.005[EA]	0.002[EA]	0.054[EA]	<0.002	0.029	0.21	1.2	1.5	<0.002	<0.002	<0.002	0.007	<0.26	0.11	0.002	0.002
Aldrin	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05[EA]	<0.1[EA]	<0.036	<0.086	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.005[EA]	<0.13	<0.005[EA]	<0.005[EA]	<0.005[EA]
alpha-BHC	<0.001	<0.001	<0.001	<0.005	<0.001	<0.01	<0.02	<0.036	<0.086	<0.001	<0.001	<0.001	<0.001	<0.13	<0.001	<0.001	<0.001
Alpha-Chlordane								<0.36	<0.86					<1.3			
alpha-Endosulfan	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.1	<0.036	<0.086	<0.005	<0.005	<0.005	<0.005	<0.13	<0.005	<0.005	<0.005
beta-BHC	0.001	<0.001	<0.001	<0.005	<0.001	<0.01	<0.02	<0.036	<0.086	<0.001	<0.001	<0.001	<0.001	<0.13	0.01	0.008	0.008
beta-Endosulfan	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0.072	<0.17	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
Chlordane	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1			<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05
delta-BHC	<0.001	<0.001	<0.001	<0.005	<0.001	<0.01	<0.02	<0.036	<0.086	<0.001	<0.001	<0.001	<0.001	<0.13	<0.001	<0.001	<0.001
Dieldrin	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0.072	<0.17	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
Endosulfan 1	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.1	<0.036	<0.086	<0.005	<0.005	<0.005	<0.005	<0.13	<0.005	<0.005	<0.005
Endosulfan 2	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0.072	<0.17	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
Endosulfan sulfate	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0.072	<0.17	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
Endrin	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0.072	<0.17	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
Endrin aldehyde	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.1			<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Endrin Ketone	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<0.2	<0	<0.072	<0.01	<0.01	<0.01	<0.01	<0.26	<0.01	<0.01	<0.01
gamma-BHC	<0.001	<0.001	<0.001	<0.005	<0.001	<0.01	<0.02	<0.036	<0.086	<0.001	<0.001	<0.001	<0.001	<0.13	<0.001	<0.001	<0.001
Gamma-Chlordane								<0.36	<0.86					<1.3			
Heptachlor	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.1	<0.036	<0.086	<0.005	<0.005	<0.005	<0.005	<0.13	<0.005	<0.005	<0.005
Heptachlor epoxide	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.1	<0.036	<0.086	<0.005	<0.005	<0.005	<0.005	<0.13	<0.005	<0.005	<0.005
Methoxychlor	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.072	<0.17	<0.05	<0.05	<0.05	<0.05	<0.26	<0.05	<0.05	<0.05
PCB 1016	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.36	<0.86	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05	<0.05
PCB 1221	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.36	<0.86	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05	<0.05
PCB 1232	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.36	<0.86	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05	<0.05
PCB 1242	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.36	<0.86	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05	<0.05
PCB 1248	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.36	<0.86	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05	<0.05
PCB 1254	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.72	<1.7	<0.05	<0.05	<0.05	<0.05	<2.6	<0.05	<0.05	<0.05
PCB 1260	<0.05	<0.05	<0.05	<0.25	<0.05	<0.5	<1	<0.72	<1.7	<0.05	<0.05	<0.05	<0.05	<2.6	<0.05	<0.05	<0.05
Total BHC	0.001	<0.001	<0.001	<0.005	<0.001	<0.01	<0.02	<0.036	<0.086	<0.001	<0.001	<0.001	<0.001	<0.13	0.01	0.008	0.008
Total DDT	0.4	0.014	0.012	0.13	<0.002	0.14	0.59	4.5	4.8	<0.002	0.003	<0.002	0.007	<0.26	0.27	0.007	0.02
Toxaphene	<0.1	<0.1	<0.1	<0.5	<0.1	<1	<2	<0.72	<1.7	<0.1	<0.1	<0.1	<0.1	<2.6	<0.1	<0.1	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T033 21.5 ft bls 88/09/16 ATI/ORG	T033 9.5 ft bls 88/09/16 ATI/ORG	T034 1.5 ft bls 88/09/16 ATI/ORG	T034 2.5 ft bls 88/09/16 ATI/ORG	T034 3.5 ft bls 88/09/16 ATI/ORG	T034 4.5 ft bls 88/09/16 ATI/ORG	T034 5.5 ft bls 88/09/16 ATI/ORG	T034 6 ft bls 88/09/16 ATI/FD	T046 11.25 ft bls 88/09/13 ATI/ORG	T046 16.25 ft bls 88/09/13 ATI/ORG	T046 21.25 ft bls 88/09/13 ATI/ORG	T046 21.75 ft bls 88/09/13 E3I/OEPA	T046 30.75 ft bls 88/09/13 ATI/ORG	T046 31.25 ft bls 88/09/13 ATI/FD	T046 41.25 ft bls 88/09/13 ATI/ORG	T046 41.75 ft bls 88/09/13 E3I/OEPA	T046 51.25 ft bls 88/09/13 ATI/ORG
2,4'-DDD	<0.002	<0.004	<8	<5	<5	<0.6	<5	<5	<0.002	<0.002	0.005		<0.002	<0.002	<0.002		<0.002
2,4'-DDE	<0.002	0.003	<8	<5	<5	<0.6	<5	<5	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		<0.002
2,4'-DDT	0.007	0.027	39	13	15	3.2	10	17	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		<0.002
4,4'-DDD	0.003	0.012	<8	<5	<5	3.4	<5	<5	<0.002	<0.002	0.002	<0.14	<0.002	<0.002	<0.002	<0.12	<0.002
4,4'-DDE	0.003	0.013	13	<5	<5	0.13	<5	<5	0.003	<0.002	<0.002	<0.14	<0.002	<0.002	<0.002	<0.12	<0.002
4,4'-DDT	0.003	0.027	260	78	84	22	84	120	0.13	<0.002	<0.002	<0.14	<0.002	<0.002	<0.002	<0.12	<0.002
Aldrin	<0.005(EA)	<0.01(EA)	<15(EA)	<13(EA)	<13(EA)	<1.5(EA)	<13(EA)	<13(EA)	<0.005	<0.005	<0.005	<0.069	<0.005	<0.005	<0.005	<0.062	<0.005
alpha-BHC	<0.001	<0.002	<3	<2.5	<2.5	<0.3	<2.5	<2.5	<0.001	<0.001	<0.001	<0.069	<0.001	<0.001	<0.001	<0.062	<0.001
Alpha-Chlordane												<0.69				<0.62	
alpha-Endosulfan	<0.005	<0.01	<15	<13	<13	<1.5	<13	<13	<0.005	<0.005	<0.005	<0.069	<0.005	<0.005	<0.005	<0.062	<0.005
beta-BHC	0.009	0.011	<3	<2.5	<2.5	<0.3	<2.5	<2.5	0.011	<0.001	0.009	<0.069	0.004	0.003	0.005	<0.062	<0.001
beta-Endosulfan	<0.01	<0.02	<30	<25	<25	<3	<25	25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
Chlordane	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05		<0.05
delta-BHC	<0.001	<0.002	<3	<2.5	<2.5	<0.3	<2.5	<2.5	<0.001	<0.001	<0.001	<0.069	<0.001	<0.001	<0.001	<0.062	<0.001
Dieldrin	<0.01	<0.02	<30	<25	<25	<3	<25	<25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
Endosulfan 1	<0.005	<0.01	<15	<13	<13	<1.5	<13	<13	<0.005	<0.005	<0.005	<0.069	<0.005	<0.005	<0.005	<0.062	<0.005
Endosulfan 2	<0.01	<0.02	<30	<25	<25	<3	<25	25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
Endosulfan sulfate	<0.01	<0.02	<30	<25	<25	<3	<25	<25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
Endrin	<0.01	<0.02	<30	<25	<25	<3	<25	<25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
Endrin aldehyde	<0.005	<0.01	<15	<13	<13	<1.5	<13	<13	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		<0.005
Endrin Ketone	<0.01	<0.02	<30	<25	<25	<3	<25	<25	<0.01	<0.01	<0.01	<0.14	<0.01	<0.01	<0.01	<0.12	<0.01
gamma-BHC	<0.001	<0.002	<3	<2.5	<2.5	<0.3	<2.5	<2.5	<0.001	<0.001	<0.001	<0.069	<0.001	<0.001	<0.001	<0.062	<0.001
Gamma-Chlordane												<0.69				<0.62	
Heptachlor	<0.005	<0.01	<15	<13	<13	<1.5	<13	<13	<0.005	<0.005	<0.005	<0.069	<0.005	<0.005	<0.005	<0.062	<0.005
Heptachlor epoxide	<0.005	<0.01	<15	<13	<13	<1.5	<13	<13	<0.005	<0.005	<0.005	<0.069	<0.005	<0.005	<0.005	<0.062	<0.005
Methoxychlor	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.14	<0.05	<0.05	<0.05	<0.12	<0.05
PCB 1016	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.69	<0.05	<0.05	<0.05	<0.62	<0.05
PCB 1221	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.69	<0.05	<0.05	<0.05	<0.62	<0.05
PCB 1232	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.69	<0.05	<0.05	<0.05	<0.62	<0.05
PCB 1242	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.69	<0.05	<0.05	<0.05	<0.62	<0.05
PCB 1248	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<0.69	<0.05	<0.05	<0.05	<0.62	<0.05
PCB 1254	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<1.4	<0.05	<0.05	<0.05	<1.2	<0.05
PCB 1260	<0.05	<0.1	<150	<125	<125	<15	<125	<125	<0.05	<0.05	<0.05	<1.4	<0.05	<0.05	<0.05	<1.2	<0.05
Total BHC	0.009	0.011	<3	<2.5	<2.5	<0.3	<2.5	<2.5	0.011	<0.001	0.009	<0.069	0.004	0.003	0.005	<0.062	<0.001
Total DDT	0.016	0.082	310	91	99	29	94	140	0.13	<0.002	0.005	<0.14	<0.002	<0.002	<0.002	<0.12	<0.002
Toxaphene	<0.1	<0.2	<300	<250	<250	<30	<250	<250	<0.1	<0.1	<0.1	<1.4	<0.1	<0.1	<0.1	<1.2	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T046 60.75 ft bls 88/09/13 ATI/ORG	T052 0.5 ft bls 88/09/14 ATI/ORG	T052 11.25 ft bls 88/09/14 ATI/ORG	T052 16.25 ft bls 88/09/14 ATI/ORG	T052 2 ft bls 88/09/14 ATI/ORG	T052 2.5 ft bls 86/05/09 BAC/ORG	T052 21.25 ft bls 88/09/14 ATI/ORG	T052 31.25 ft bls 88/09/14 ATI/ORG	T052 31.75 ft bls 88/09/14 ATI/FD	T052 40.75 ft bls 88/09/14 ATI/ORG	T052 51.25 ft bls 88/09/14 ATI/ORG	T052 61.25 ft bls 88/09/14 ATI/ORG	T052 61.75 ft bls 88/09/14 E3I/OEPA	T064 10.25 ft bls 88/09/14 ATI/ORG	T064 13.25 ft bls 88/09/14 ATI/ORG	T064 16.25 ft bls 88/09/14 ATI/ORG	T064 19.25 ft bls 88/09/14 ATI/ORG
2,4'-DDD	<0.002	<1	0.006	<0.002	<4	<10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2,4'-DDE	<0.002	<1	0.033	<0.002	<4	41	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2,4'-DDT	<0.002	2.9	0.21	<0.002	26	<30	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
4,4'-DDD	<0.002	1.3	0.13	0.003	4.9	530	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.23	<0.002	<0.002	<0.002	<0.002
4,4'-DDE	<0.002	3.1	<0.002	<0.002	88	710	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.23	<0.002	<0.002	<0.002	<0.002
4,4'-DDT	<0.002	17	0.068	<0.002	<4	2300	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.23	<0.002	<0.002	<0.002	<0.002
Aldrin	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.12	<0.005	<0.005	<0.005	<0.005
alpha-BHC	<0.001	<0.5	0.016	0.023	<2	<10	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.12	<0.001	<0.001	<0.001	<0.001
Alpha-Chlordane													<1.2				
alpha-Endosulfan	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.12	<0.005	<0.005	<0.005	<0.005
beta-BHC	<0.001	<0.5	0.008	0.006	<2	<10	0.003	0.001	<0.001	<0.001	<0.001	<0.001	<0.12	0.012	0.008	0.005	0.008
beta-Endosulfan	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
Chlordane	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
delta-BHC	<0.001	<0.5	0.008	0.005	<2	<10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.12	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
Endosulfan 1	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.12	<0.005	<0.005	<0.005	<0.005
Endosulfan 2	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
Endosulfan sulfate	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
Endrin	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
Endrin Ketone	<0.01	<5	<0.01	<0.01	<20		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.23	<0.01	<0.01	<0.01	<0.01
gamma-BHC	<0.001	<0.5	<0.001	<0.001	<2	<10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.12	<0.001	<0.001	<0.001	<0.001
Gamma-Chlordane													<1.2				
Heptachlor	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.12	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	<0.005	<2.5	<0.005	<0.005	<10		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.12	<0.005	<0.005	<0.005	<0.005
Methoxychlor	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.23	<0.05	<0.05	<0.05	<0.05
PCB 1016	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.2	<0.05	<0.05	<0.05	<0.05
PCB 1221	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.2	<0.05	<0.05	<0.05	<0.05
PCB 1232	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.2	<0.05	<0.05	<0.05	<0.05
PCB 1242	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.2	<0.05	<0.05	<0.05	<0.05
PCB 1248	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.2	<0.05	<0.05	<0.05	<0.05
PCB 1254	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2.3	<0.05	<0.05	<0.05	<0.05
PCB 1260	<0.05	<25	<0.05	<0.05	<100		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2.3	<0.05	<0.05	<0.05	<0.05
Total BHC	<0.001	<0.5	0.024	0.034	<2	<10	0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.12	0.012	0.008	0.005	0.008
Total DDT	<0.002	24	0.45	0.003	120	3600	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.23	<0.002	<0.002	<0.002	<0.002
Toxaphene	<0.1	<50	<0.1	<0.1	<200		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.3	<0.1	<0.1	<0.1	<0.1

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

COMPOUND (MG/KG)	T064 19.75 ft bls 88/09/14 ATI/FD	T064 22.25 ft bls 88/09/14 ATI/ORG	T064 22.75 ft bls 88/09/14 E3I/OEPA
2,4'-DDD	<0.002	<0.002	
2,4'-DDE	<0.002	<0.002	
2,4'-DDT	<0.002	<0.002	
4,4'-DDD	<0.002	<0.002	<0.22
4,4'-DDE	<0.002	<0.002	<0.22
4,4'-DDT	<0.002	<0.002	<0.22
Aldrin	<0.005	<0.005	<0.11
alpha-BHC	<0.001	<0.001	<0.11
Alpha-Chlordane			<1.1
alpha-Endosulfan	<0.005	<0.005	<0.11
beta-BHC	0.01	0.008	<0.11
beta-Endosulfan	<0.01	<0.01	<0.22
Chlordane	<0.05	<0.05	
delta-BHC	<0.001	<0.001	<0.11
Dieldrin	<0.01	<0.01	<0.22
Endosulfan 1	<0.005	<0.005	<0.11
Endosulfan 2	<0.01	<0.01	<0.22
Endosulfan sulfate	<0.01	<0.01	<0.22
Endrin	<0.01	<0.01	<0.22
Endrin aldehyde	<0.005	<0.005	
Endrin Ketone	<0.01	<0.01	<0.22
gamma-BHC	<0.001	<0.001	<0.11
Gamma-Chlordane			<1.1
Heptachlor	<0.005	<0.005	<0.11
Heptachlor epoxide	<0.005	<0.005	<0.11
Methoxychlor	<0.05	<0.05	<0.22
PCB 1016	<0.05	<0.05	<1.1
PCB 1221	<0.05	<0.05	<1.1
PCB 1232	<0.05	<0.05	<1.1
PCB 1242	<0.05	<0.05	<1.1
PCB 1248	<0.05	<0.05	<1.1
PCB 1254	<0.05	<0.05	<2.2
PCB 1260	<0.05	<0.05	<2.2
Total BHC	0.01	0.008	<0.11
Total DDT	<0.002	<0.002	<0.22
Toxaphene	<0.1	<0.1	<2.2

TABLE H.1
ORGANOCHLORINE PESTICIDES IN SOIL

NOTES: Soil samples analyzed for organochlorine pesticides using EPA Method 8080.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; numerical value is the limit of detection for this analysis.

ATI = Analytical Technologies, Inc.
BAC = Brown & Caldwell
CAL = California Analytical
E3I = Energy & Env. Eng. INC.
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate Sample
OEPA = Original EPA Sample
ORG = Original Sample
QEPA = QC data for EPA samples which includes EPA blanks, spikes and duplicates
RSED = Reanalysis of EPA split duplicate sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: Data unusable for any purpose.
(EA) = Estimated quantity due to accuracy goals not met.
(EH) = Estimated, due to exceeded holding time.
(EP) = Estimated quantity due to precision goals not met.

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW001 11.5 ft bls 85/04/24 BAC/ORG	MW001 17 ft bls 85/04/25 BAC/ORG	MW001 22 ft bls 85/04/25 BAC/ORG	MW001 27 ft bls 85/04/25 BAC/ORG	MW001 32 ft bls 85/04/25 BAC/ORG	MW001 37 ft bls 85/04/25 BAC/ORG	MW001 42 ft bls 85/04/25 BAC/ORG	MW001 47 ft bls 85/04/25 BAC/ORG	MW001 52 ft bls 85/04/25 BAC/ORG	MW001 57 ft bls 85/04/25 BAC/FD	MW001 57 ft bls 85/04/25 BAC/ORG	MW001 6.5 ft bls 85/04/24 BAC/ORG	MW001 62 ft bls 85/04/25 BAC/ORG	MW001 67 ft bls 85/04/25 BAC/ORG	MW001 72 ft bls 85/04/26 BAC/ORG	MW001 77 ft bls 85/04/26 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethylene																
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	0.9	2	<0.3	0.3	0.6	1	0.6
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethylene	<0.3	<0.3	<0.3	1	<0.3	<0.3	1	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.9	0.9	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW002 11.5 ft bls 85/04/24 BAC/ORG	MW002 17 ft bls 85/04/27 BAC/ORG	MW002 22 ft bls 85/04/27 BAC/ORG	MW002 27 ft bls 85/04/27 BAC/ORG	MW002 32 ft bls 85/04/27 BAC/ORG	MW002 37 ft bls 85/04/27 BAC/ORG	MW002 42 ft bls 85/04/27 BAC/ORG	MW002 47 ft bls 85/04/27 BAC/ORG	MW002 52 ft bls 85/04/27 BAC/ORG	MW002 57 ft bls 85/04/27 BAC/ORG	MW002 6.5 ft bls 85/04/24 BAC/ORG	MW002 62 ft bls 85/04/27 BAC/ORG	MW002 67 ft bls 85/04/27 BAC/ORG	MW002 72 ft bls 85/04/27 BAC/ORG	MW002 77 ft bls 85/04/27 BAC/ORG	MW002A 6.5 ft bls 85/04/24 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
1,2-Dichloroethylene																
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Acrolein	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<6[EH]	<3	<300[EH]	<60[EH]	<60[EH]	<300[EH]	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<6[EH]	<3	<300[EH]	<60[EH]	<60[EH]	<300[EH]	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Chlorobenzene	<0.3	4	6	160	23	14[EH]	1[EH]	96[EH]	420[EH]	38[EH]	<0.3	4100[EH]	590[EH]	200[EH]	7400[EH]	70
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.6[EH]	<0.3	<30[EH]	<0.6[EH]	<0.6[EH]	<30[EH]	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW003 11.5 ft bls 85/04/24 BAC/ORG	MW003 17 ft bls 85/04/26 BAC/FD	MW003 17 ft bls 85/04/26 BAC/ORG	MW003 22 ft bls 85/04/26 BAC/ORG	MW003 27 ft bls 85/04/26 BAC/ORG	MW003 32 ft bls 85/04/26 BAC/ORG	MW003 37 ft bls 85/04/26 BAC/ORG	MW003 42 ft bls 85/04/26 BAC/ORG	MW003 47 ft bls 85/04/26 BAC/ORG	MW003 52 ft bls 85/04/26 BAC/ORG	MW003 57 ft bls 85/04/27 BAC/ORG	MW003 6.5 ft bls 85/04/24 BAC/ORG	MW003 62 ft bls 85/04/27 BAC/ORG	MW003 67 ft bls 85/04/27 BAC/ORG	MW003 72 ft bls 85/04/27 BAC/ORG	MW003 77 ft bls 85/04/27 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
1,2-Dichloroethylene																
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<30[EH]	<3	<30[EH]	<30[EH]	<6[EH]	<6[EH]
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<30[EH]	<3	<30[EH]	<30[EH]	<6[EH]	<6[EH]
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.6	9[EH]	<0.3	6[EH]	24[EH]	2[EH]	1[EH]
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3[EH]	<0.3	<3[EH]	<3[EH]	<0.6[EH]	<0.6[EH]

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW004 11.5 ft bls 85/04/24 BAC/ORG	MW004 17 ft bls 85/04/26 BAC/ORG	MW004 22 ft bls 85/04/26 BAC/ORG	MW004 27 ft bls 85/04/26 BAC/ORG	MW004 32 ft bls 85/04/26 BAC/FD	MW004 32 ft bls 85/04/26 BAC/ORG	MW004 37 ft bls 85/04/26 BAC/ORG	MW004 43 ft bls 85/04/26 BAC/ORG	MW004 47 ft bls 85/04/26 BAC/ORG	MW004 52 ft bls 85/04/26 BAC/ORG	MW004 57 ft bls 85/04/26 BAC/ORG	MW004 6.5 ft bls 85/04/24 BAC/ORG	MW004 62 ft bls 85/04/26 BAC/ORG	MW004 67 ft bls 85/04/26 BAC/ORG	MW004 72 ft bls 85/04/26 BAC/ORG	MW004 77 ft bls 85/04/26 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethylene																
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MW005 11.5 ft bls 85/04/24 BAC/ORG	MW005 17 ft bls 85/04/25 BAC/ORG	MW005 22 ft bls 85/04/25 BAC/ORG	MW005 27 ft bls 85/04/25 BAC/ORG	MW005 32 ft bls 85/04/25 BAC/ORG	MW005 37 ft bls 85/04/25 BAC/ORG	MW005 42 ft bls 85/04/25 BAC/ORG	MW005 47 ft bls 85/04/25 BAC/ORG	MW005 52 ft bls 85/04/25 BAC/ORG	MW005 57 ft bls 85/04/25 BAC/ORG	MW005 6.5 ft bls 85/04/24 BAC/ORG	MW005 65.5 ft bls 85/04/25 BAC/FD	MW005 65.5 ft bls 85/04/25 BAC/ORG	MW005 72 ft bls 85/04/25 BAC/ORG	S101 23 ft bls 85/05/01 BAC/ORG	S101 27 ft bls 85/05/01 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
1,2-Dichloroethylene															0.9	<3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<30
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	190	1200
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.6	<0.3	<0.3	0.3	<0.3	0.3	<0.3	<0.3	2	<3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.9	<3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.6	<3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S101 32 ft bls 85/05/01 BAC/ORG	S101 37 ft bls 85/05/01 BAC/ORG	S101 42 ft bls 85/05/01 BAC/ORG	S101 47 ft bls 85/05/01 BAC/ORG	S101 52 ft bls 85/05/01 BAC/ORG
1,1,1-Trichloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1,2,2-Tetrachloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1,2-Trichloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1-Dichloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,1-Dichloroethylene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,2-Dichloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
1,2-Dichloroethylene	30[EH]	<30[EH]	<30[EH]	<6[EH]	<6[EH]
1,2-Dichloropropane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
2-Chloroethylvinyl ether	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Acrolein	<300[EH]	<300[EH]	<60[EH]	<60[EH]	<60[EH]
Acrylonitrile	<300[EH]	<300[EH]	<60[EH]	<60[EH]	<60[EH]
Benzene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromodichloromethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromoform	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Bromomethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Carbon Tetrachloride	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chlorobenzene	3400[EH]	3500[EH]	3800[EH]	1800[EH]	2900[EH]
Chloroethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chloroform	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Chloromethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
cis-1,3-Dichloropropylene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Dibromochloromethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Ethylbenzene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Methylene Chloride	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Tetrachloroethylene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Toluene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
trans-1,2-Dichloroethylene	30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
trans-1,3-Dichloropropylene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Trichloroethylene	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Trichlorofluoromethane	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]
Vinyl Chloride	<30[EH]	<30[EH]	<6[EH]	<6[EH]	<6[EH]

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	11D 2 ft bls 85/06/26 CAL/OEPA	11D 3.5 ft bls 85/06/26 CAL/OEPA	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 6.5 ft bls 85/06/26 CAL/OEPA	11D 8 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 2 ft bls 85/06/25 CAL/OEPA	12D 3.5 ft bls 85/06/25 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/OEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 6.5 ft bls 85/06/25 CAL/OEPA	12D 8 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,1,2,2-Tetrachloroethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,1,2-Trichloroethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,1-Dichloroethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,1-Dichloroethylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,2-Dichloroethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
1,2-Dichloropropane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
2-Chloroethylvinyl ether			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
2-Hexanone			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
4-Methyl-2-Pentanone			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
Acetone			0.045(J)	0.043(J)[EH]			0.045(J)[EH]			0.048(J)[EH]	0.043(J)[EH]			0.024(J)[EH]	0.048(J)[EH]
Benzene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Bromodichloromethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Bromoform			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Bromomethane			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
Carbon Disulfide			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Carbon Tetrachloride			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Chlorobenzene	0.44(J)	0.34(J)	<0.005	<0.005[EH]	<0.05(J)	<0.05(J)	<0.005[EH]	0.87(J)	<0.05(J)	0.1(J)[EH]	0.082(J)[EH]	<0.05(J)	<0.05(J)	0.041(J)[EH]	0.078(J)[EH]
Chloroethane			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
Chloroform			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	0.005(J)[EH]			<0.005[EH]	0.005(J)[EH]
Chloromethane			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
cis-1,3-Dichloropropylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Dibromochloromethane			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Ethylbenzene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Methyl Ethyl Ketone			0.02(J)	0.02(J)[EH]			0.024(J)[EH]			0.02(J)[EH]	0.021(J)[EH]			0.012(J)[EH]	0.02(J)[EH]
Methylene Chloride			0.005(J)	0.01(J)[EH]			0.0055(J)[EH]			0.016(J)[EH]	0.0066(J)[EH]			0.018(J)[EH]	0.026(J)[EH]
Styrene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
TDC Benzene	<0.25(J)	<0.25(J)			<0.25(J)	<0.25(J)	<0.001	<0.25(J)	<0.25(J)			<0.25(J)	<0.25(J)		
Tetrachloroethylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Toluene	0.32	0.3	<0.005	<0.005[EH]	0.34	0.14	<0.005[EH]	0.43	0.18	<0.005[EH]	<0.005[EH]	0.24	0.31	<0.005[EH]	<0.005[EH]
Total Xylenes			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
trans-1,2-Dichloroethylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
trans-1,3-Dichloropropylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Trichloroethylene			<0.005	<0.005[EH]			<0.005[EH]			<0.005[EH]	<0.005[EH]			<0.005[EH]	<0.005[EH]
Vinyl Acetate			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]
Vinyl Chloride			<0.01	<0.01[EH]			<0.01[EH]			<0.01[EH]	<0.01[EH]			<0.01[EH]	<0.01[EH]

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	13D 1.5 ft bls 85/06/25 CAL/OEPA	13D 2 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 4.5 ft bls 85/06/25 CAL/OEPA	13D 5 ft bls 85/06/25 CAL/OEPA	13D 6.5 ft bls 85/06/25 CAL/OEPA	13D 8 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	14D 1.5 ft bls 85/06/19 CAL/OEPA	14D 11 ft bls 85/06/19 CAL/OEPA	14D 13.5 ft bls 85/06/19 CAL/OEPA	14D 3 ft bls 85/06/19 CAL/OEPA	14D 3.5 ft bls 85/06/19 CAL/OEPA	14D 5 ft bls 85/06/19 CAL/OEPA	14D 6.5 ft bls 85/06/19 CAL/OEPA	14D 8 ft bls 85/06/19 CAL/OEPA
1,1,1-Trichloroethane			<0.005					<0.005[EH]								
1,1,2,2-Tetrachloroethane			<0.005					<0.005[EH]								
1,1,2-Trichloroethane			<0.005					<0.005[EH]								
1,1-Dichloroethane			<0.005					<0.005[EH]								
1,1-Dichloroethylene			<0.005					<0.005[EH]								
1,2-Dichloroethane			<0.005					<0.005[EH]								
1,2-Dichloropropane			<0.005					<0.005[EH]								
2-Chloroethylvinyl ether			<0.01					<0.01[EH]								
2-Hexanone			<0.01					<0.01[EH]								
4-Methyl-2-Pentanone			<0.01					<0.01[EH]								
Acetone			0.099(J)					0.04(J)[EH]						4.9		
Benzene			<0.005					<0.005[EH]						<0.005		
Bromodichloromethane			<0.005					<0.005[EH]								
Bromoform			<0.005					<0.005[EH]								
Bromomethane			<0.01					<0.01[EH]								
Carbon Disulfide			<0.005					<0.005[EH]								
Carbon Tetrachloride			<0.005					<0.005[EH]								
Chlorobenzene	0.26(J)	0.61(J)	1.9(J)	2.9(J)	0.44(J)	<0.05(J)	<0.05(J)	0.04(J)[EH]	0.45	14000	9000	2.3	3	6.4	910	540
Chloroethane			<0.01					<0.01[EH]								
Chloroform			0.015(J)					0.005(J)[EH]						0.68		
Chloromethane			<0.01					<0.01[EH]								
cis-1,3-Dichloropropylene			<0.005					<0.005[EH]								
Dibromochloromethane			<0.005					<0.005[EH]								
Ethylbenzene			<0.005					<0.005[EH]								
Methyl Ethyl Ketone			0.023(J)					0.022(J)[EH]								
Methylene Chloride			0.005(J)					0.073(J)[EH]								
Styrene			<0.005					<0.005[EH]								
TDC Benzene	0.34(J)	1.1(J)		0.73(J)	<0.25(J)	<0.25(J)	<0.25(J)		<0.25	<500	<500	<0.25	<0.25	<0.001	<25	35
Tetrachloroethylene			0.005(J)					<0.005[EH]								
Toluene	0.21	0.28	0.0063(J)	0.23	0.15	0.2	0.18	<0.005[EH]								
Total Xylenes			0.0088(J)					<0.005[EH]								
trans-1,2-Dichloroethylene			<0.005					<0.005[EH]								
trans-1,3-Dichloropropylene			<0.005					<0.005[EH]								
Trichloroethylene			<0.005					<0.005[EH]								
Vinyl Acetate			<0.01					<0.01[EH]								
Vinyl Chloride			<0.01					<0.01[EH]								

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	14D 9.5 ft bls 85/06/19 CAL/OEPA	15D 1.5 ft bls 85/06/19 CAL/OEPA	15D 2 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 4.5 ft bls 85/06/19 CAL/OEPA	15D 8 ft bls 85/06/19 CAL/OEPA	15D 9.5 ft bls 85/06/19 CAL/OEPA	16D 2 ft bls 85/06/19 CAL/OEPA	16D 3 ft bls 85/06/19 CAL/OEPA	16D 3.5 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 6.5 ft bls 85/06/19 CAL/OEPA	16D 7.5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/DEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 0.5 ft bls 85/06/24 CAL/DEPA
1,1,1-Trichloroethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,1,2,2-Tetrachloroethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,1,2-Trichloroethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,1-Dichloroethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,1-Dichloroethylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,2-Dichloroethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
1,2-Dichloropropane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
2-Chloroethylvinyl ether	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
2-Hexanone	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
4-Methyl-2-Pentanone	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
Acetone	57			4.9		0.046	0.048[J]				0.043			0.049	0.12	
Benzene	<25			<0.25		<0.005	<0.005				<0.005			<0.005	<0.005	
Bromodichloromethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Bromoform	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Bromomethane	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
Carbon Disulfide	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Carbon Tetrachloride	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Chlorobenzene	7100	4	360	15	1.8	0.02	0.02	0.083	0.07	<0.05	0.014	<0.05	0.34	0.015	<0.005	0.72(J)
Chloroethane	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
Chloroform	72			0.29		0.018	0.018				<0.005			<0.005	<0.005	
Chloromethane	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
cis-1,3-Dichloropropylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Dibromochloromethane	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Ethylbenzene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Methyl Ethyl Ketone	45			5.6		0.024					0.018			0.024	0.023	
Methylene Chloride	<25			0.25		0.019					0.036			0.019	0.017	
Styrene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
TOC Benzene		<0.25	<0.25		<0.25		<0.001	<0.25	<0.25	<0.25		<0.25	0.4			1.9(J)
Tetrachloroethylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Toluene	<25			<0.25		<0.005					0.005			<0.005	<0.005	0.77
Total Xylenes	19			<0.25		<0.005					<0.005			<0.005	<0.005	
trans-1,2-Dichloroethylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
trans-1,3-Dichloropropylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Trichloroethylene	<25			<0.25		<0.005					<0.005			<0.005	<0.005	
Vinyl Acetate	<50			<0.5		<0.01					<0.01			<0.01	<0.01	
Vinyl Chloride	<50			<0.5		<0.01					<0.01			<0.01	<0.01	

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	21D 2 ft bls 85/06/24 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA	21D 6 ft bls 85/06/24 CAL/OEPA	21D 6.5 ft bls 85/06/24 CAL/OEPA	21D 8 ft bls 85/06/24 CAL/OEPA	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 1.5 ft bls 85/06/26 CAL/OEPA	22D 2 ft bls 85/06/26 CAL/OEPA	22D 3 ft bls 85/06/26 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 5 ft bls 85/06/26 CAL/OEPA	22D 6.5 ft bls 85/06/26 CAL/OEPA	22D 8 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 1.5 ft bls 85/06/25 CAL/OEPA	23D 2 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,1,2,2-Tetrachloroethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,1,2-Trichloroethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,1-Dichloroethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,1-Dichloroethylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,2-Dichloroethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
1,2-Dichloropropane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
2-Chloroethylvinyl ether		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
2-Hexanone		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
4-Methyl-2-Pentanone		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
Acetone		0.03(J)[EH]				0.048(J)[EH]				0.046(J)[EH]				0.036(J)[EH]		
Benzene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Bromodichloromethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Bromoform		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Bromomethane		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
Carbon Disulfide		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Carbon Tetrachloride		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Chlorobenzene	1.4(J)	<0.005[EH]	<0.05(J)	<0.05(J)	<0.05(J)	<0.005[EH]	0.43(J)	0.57(J)	<0.05(J)	<0.005[EH]	<0.05(J)	<0.05(J)	<0.05(J)	<0.005[EH]	1.6(J)	1.1(J)
Chloroethane		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
Chloroform		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Chloromethane		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
cis-1,3-Dichloropropylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Dibromochloromethane		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Ethylbenzene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Methyl Ethyl Ketone		0.019(J)[EH]				0.024(J)[EH]				0.02(J)[EH]				0.02(J)[EH]		
Methylene Chloride		H]				0.0088(J)[EH]				0.024(J)[EH]				0.005(J)[EH]		
Styrene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
TDC Benzene	0.69(J)		<0.25(J)	<0.25(J)	<0.25(J)		<0.25(J)	0.53(J)	<0.25(J)		<0.25(J)	<0.25(J)	<0.25(J)		<0.25(J)	<0.25(J)
Tetrachloroethylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Toluene	0.73	<0.005[EH]	0.31	0.25	0.14	<0.005[EH]	0.35	0.37	0.31	<0.005[EH]	0.31	0.3	0.26	<0.005[EH]	0.16	0.15
Total Xylenes		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
trans-1,2-Dichloroethylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
trans-1,3-Dichloropropylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Trichloroethylene		<0.005[EH]				<0.005[EH]				<0.005[EH]				<0.005[EH]		
Vinyl Acetate		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		
Vinyl Chloride		<0.01[EH]				<0.01[EH]				<0.01[EH]				<0.01[EH]		

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 4.5 ft bls 85/06/25 CAL/OEPA	23D 6.5 ft bls 85/06/25 CAL/OEPA	23D 8 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 1.5 ft bls 85/06/25 CAL/OEPA	24D 11 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 14.5 ft bls 85/06/25 CAL/OEPA	24D 16 ft bls 85/06/25 CAL/OEPA	24D 16.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 19.5 ft bls 85/06/25 CAL/EXIA	24D 19.5 ft bls 85/06/25 CAL/OEPA	24D 2 ft bls 85/06/25 CAL/OEPA	24D 3 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane	<0.005[EH]				0.005(J)			<500[EH]				<100[EH]				
1,1,2,2-Tetrachloroethane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
1,1,2-Trichloroethane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
1,1-Dichloroethane	<0.005[EH]				<0.005(J)			<500[EH]				<100[EH]				
1,1-Dichloroethylene	<0.005[EH]				0.005			<500[EH]				<100[EH]				
1,2-Dichloroethane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
1,2-Dichloropropane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
2-Chloroethylvinyl ether	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
2-Hexanone	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
4-Methyl-2-Pentanone	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
Acetone	0.063[EH]				0.045(J)			<1000(J)[EH]				<200[EH]				
Benzene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Bromodichloromethane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Bromoform	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Bromomethane	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
Carbon Disulfide	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Carbon Tetrachloride	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Chlorobenzene	0.1(J)[EH]	<0.05(J)	0.13(J)	<0.05(J)	0.14(J)	1.1(J)	16000(J)	12000(J)[EH]	3300(J)	2600(J)	2900(J)	4600(J)[EH]		29(J)	7(J)	7.1(J)
Chloroethane	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
Chloroform	<0.005[EH]				0.0088(J)			<500[EH]				<100[EH]				
Chloromethane	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
cis-1,3-Dichloropropylene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Dibromochloromethane	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Ethylbenzene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Methyl Ethyl Ketone	0.034[EH]				0.023(J)			<1000(J)[EH]				<200[EH]				
Methylene Chloride	0.005[EH]				0.03(J)			<500(J)[EH]				<100[EH]				
Styrene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
TOC Benzene		<0.25(J)	<0.25(J)	0.54(J)		0.37(J)	370(J)		65(J)	66(J)	42(J)			2.2(J)	1.5(J)	0.69(J)
Tetrachloroethylene	<0.005[EH]				0.005(J)			<500[EH]				<100[EH]				
Toluene	<0.005[EH]	0.17	0.13	0.14	<0.005	0.23		<500[EH]				<100[EH]	0.22		0.3	0.23
Total Xylenes	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
trans-1,2-Dichloroethylene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
trans-1,3-Dichloropropylene	<0.005[EH]				<0.005			<500[EH]				<100[EH]				
Trichloroethylene	<0.005[EH]				0.0069(J)			<500[EH]				<100[EH]				
Vinyl Acetate	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				
Vinyl Chloride	<0.01[EH]				<0.01			<1000[EH]				<200[EH]				

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 6.5 ft bls 85/06/25 CAL/OEPA	24D 8 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 2 ft bls 85/06/19 CAL/OEPA	25A 3 ft bls 85/06/19 CAL/OEPA	25A 3.5 ft bls 85/06/19 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 6 ft bls 85/06/19 CAL/OEPA	25A 8 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 1 ft bls 85/06/18 CAL/OEPA	25D 11 ft bls 85/06/18 CAL/OEPA	25D 2 ft bls 85/06/18 CAL/OEPA	25D 2.5 ft bls 85/06/18 CAL/OEPA
1,1,1-Trichloroethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,1,2,2-Tetrachloroethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,1,2-Trichloroethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,1-Dichloroethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,1-Dichloroethylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,2-Dichloroethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
1,2-Dichloropropane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
2-Chloroethylvinyl ether	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
2-Hexanone	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
4-Methyl-2-Pentanone	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
Acetone	4.6(J)[EH]	0.037(J)[EH]			0.097(J)				0.032			0.048				
Benzene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Bromodichloromethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Bromoform	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Bromomethane	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
Carbon Disulfide	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Carbon Tetrachloride	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Chlorobenzene	20(J)[EH]	0.16(J)[EH]	0.26(J)	2.7(J)	1.1(J)	2.7	0.19	0.08	0.0059	0.08	0.05	<0.005	0.08	<0.05	29	13
Chloroethane	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
Chloroform	<1[EH]	0.051(J)[EH]			0.021(J)				0.052			0.059				
Chloromethane	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
cis-1,3-Dichloropropylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Dibromochloromethane	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Ethylbenzene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Methyl Ethyl Ketone	5.1(J)[EH]	0.02(J)[EH]			0.025(J)				0.022			0.021				
Methylene Chloride	<1[EH]	0.017(J)[EH]			0.005(J)				0.028			0.019				
Styrene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
TDC Benzene			<0.25(J)	0.3(J)		<0.25	<0.25	<0.25		<0.25	<0.25		<0.25	<0.25	8.9	3.9
Tetrachloroethylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Toluene	<1[EH]	<0.005[EH]	0.11	0.14	<0.005				<0.005			<0.005				
Total Xylenes	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
trans-1,2-Dichloroethylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
trans-1,3-Dichloropropylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Trichloroethylene	<1[EH]	<0.005[EH]			<0.005				<0.005			<0.005				
Vinyl Acetate	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				
Vinyl Chloride	<2[EH]	<0.01[EH]			<0.01				<0.01			<0.01				

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 6 ft bls 85/06/18 CAL/OEPA	25D 7.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 1.5 ft bls 85/06/25 CAL/OEPA	34D 2 ft bls 85/06/25 CAL/OEPA	34D 3.5 ft bls 85/06/25 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 6.5 ft bls 85/06/25 CAL/OEPA	34D 7.5 ft bls 85/06/25 CAL/OEPA	34D 8 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 1.5 ft bls 85/06/25 CAL/OEPA	35A 3.5 ft bls 85/06/25 CAL/OEPA	35A 4.5 ft bls 85/06/25 CAL/OEPA	35A 5 ft bls 85/06/25 CAL/OEPA
1,1,1-Trichloroethane	<0.005			<0.005				<0.005				<0.005				<0.005
1,1,2,2-Tetrachloroethane	<0.005			<0.005				<0.005				<0.005				<0.005
1,1,2-Trichloroethane	<0.005			<0.005				<0.005				<0.005				<0.005
1,1-Dichloroethane	<0.005			<0.005				<0.005				<0.005				<0.005
1,1-Dichloroethylene	<0.005			<0.005				<0.005				<0.005				<0.005
1,2-Dichloroethane	<0.005			<0.005				<0.005				<0.005				<0.005
1,2-Dichloropropane	<0.005			<0.005				<0.005				<0.005				<0.005
2-Chloroethylvinyl ether	<0.01			<0.01				<0.01				<0.01				<0.01
2-Hexanone	<0.01			<0.01				<0.01				<0.01				<0.01
4-Methyl-2-Pentanone	<0.01			<0.01				<0.01				<0.01				<0.01
Acetone	0.062			0.061				0.048(J)				0.047(J)				0.05(J)
Benzene	<0.005			<0.005				<0.005				<0.005(J)				<0.005
Bromodichloromethane	<0.005			<0.005				<0.005				<0.005				<0.005
Bromoform	<0.005			<0.005				<0.005				<0.005				<0.005
Bromomethane	<0.01			<0.01				<0.01				<0.01				<0.01
Carbon Disulfide	<0.005			<0.005				<0.005				<0.005				<0.005
Carbon Tetrachloride	<0.005			<0.005				<0.005				<0.005				<0.005
Chlorobenzene	0.014	1.6	<0.05	<0.005	3.2(J)	3.7(J)	0.31(J)	0.83(J)	0.48(J)	0.29(J)	0.33(J)	0.032(J)	11(J)	<0.05(J)	<0.05(J)	0.046(J)
Chloroethane	<0.01			<0.01				<0.01				<0.01				<0.01
Chloroform	<0.005			<0.005				0.0052(J)				0.029(J)				0.015(J)
Chloromethane	<0.01			<0.01				<0.01				<0.01				<0.01
cis-1,3-Dichloropropylene	<0.005			<0.005				<0.005				<0.005				<0.005
Dibromochloromethane	<0.005			<0.005				<0.005				<0.005				<0.005
Ethylbenzene	<0.005			<0.005				<0.005				<0.005				<0.005
Methyl Ethyl Ketone	0.033			0.03				0.023(J)				0.022(J)				0.026(J)
Methylene Chloride	0.062			0.017				0.015(J)				0.005(J)				0.01(J)
Styrene	<0.005			<0.005				<0.005				<0.005				<0.005
TDC Benzene		2.2	<0.25		<0.25(J)	<0.25(J)	0.45(J)		0.64(J)	<0.25(J)	<0.25(J)		0.55(J)	<0.25(J)	<0.25(J)	
Tetrachloroethylene	<0.005			<0.005				0.015(J)				0.021(J)				<0.005
Toluene	<0.005			0.0079	0.28	0.31	0.07	<0.005	0.11	0.08	0.06	<0.005	0.4	0.22	0.21	<0.005
Total Xylenes	<0.005			<0.005				0.0078(J)				<0.005				<0.005
trans-1,2-Dichloroethylene	<0.005			<0.005				<0.005				<0.005				<0.005
trans-1,3-Dichloropropylene	<0.005			<0.005				<0.005				<0.005				<0.005
Trichloroethylene	<0.005			<0.005				<0.005				<0.005				<0.005
Vinyl Acetate	<0.01			<0.01				<0.01				<0.01				<0.01
Vinyl Chloride	<0.01			<0.01				<0.01				<0.01				<0.01

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	35A 6 ft bls 85/06/25 CAL/DEPA	35A 6.5 ft bls 85/06/25 CAL/DEPA	35A 8 ft bls 85/06/25 CAL/DEPA	35A 9.5 ft bls 85/06/25 CAL/DEPA	35D 1.5 ft bls 85/06/18 CAL/DEPA	35D 2 ft bls 85/06/18 CAL/DEPA	35D 2.5 ft bls 85/06/18 CAL/DEPA	35D 3.5 ft bls 85/06/18 CAL/DEPA	35D 4.5 ft bls 85/06/18 CAL/DEPA	35D 6 ft bls 85/06/18 CAL/DEPA	35D 6.5 ft bls 85/06/18 CAL/DEPA	35D 9.5 ft bls 85/06/18 CAL/DEPA	36D 2 ft bls 85/06/19 CAL/DEPA	36D 3.5 ft bls 85/06/19 CAL/DEPA	36D 4.5 ft bls 85/06/19 CAL/DEPA	36D 5 ft bls 85/06/19 CAL/DEPA
1,1,1-Trichloroethane				<0.005		<0.005		<0.25				<0.005			<0.005	
1,1,2,2-Tetrachloroethane				<0.005		<0.005		<0.25				<0.005			<0.005	
1,1,2-Trichloroethane				<0.005		<0.005		<0.25				<0.005			<0.005	
1,1-Dichloroethane				<0.005		<0.005		<0.25				<0.005			<0.005	
1,1-Dichloroethylene				<0.005		<0.005		<0.25				<0.005			<0.005	
1,2-Dichloroethane				<0.005		<0.005		<0.25				<0.005			<0.005	
1,2-Dichloropropane				<0.005		<0.005		<0.25				<0.005			<0.005	
2-Chloroethylvinyl ether				<0.01		<0.01		<0.5				<0.01			<0.01	
2-Hexanone				<0.01		<0.01		<0.5				<0.01			<0.01	
4-Methyl-2-Pentanone				<0.01		<0.01		<0.5				<0.01			<0.01	
Acetone				0.059(J)		0.032		5.9				0.042			0.037	
Benzene				<0.005		<0.005		<0.25				<0.005			<0.005	
Bromodichloromethane				<0.005		<0.005		<0.25				<0.005			<0.005	
Bromoform				<0.005		<0.005		<0.25				<0.005			<0.005	
Bromomethane				<0.01		<0.01		<0.5				<0.01			<0.01	
Carbon Disulfide				<0.005		<0.005		<0.25				<0.005			<0.005	
Carbon Tetrachloride				<0.005		<0.005		<0.25				<0.005			<0.005	
Chlorobenzene	0.33(J)	<0.05(J)	<0.05(J)	0.11(J)	1.1	0.018	2.1	22	1.6	0.1	<0.05	<0.005	<0.05	<0.05	<0.005	<0.05
Chloroethane				<0.01		<0.01		<0.5				<0.01			<0.01	
Chloroform				0.023(J)		0.014		0.5				0.0082			<0.005	
Chloromethane				<0.01		<0.01		<0.5				<0.01			<0.01	
cis-1,3-Dichloropropylene				<0.005		<0.005		<0.25				<0.005			<0.005	
Dibromochloromethane				<0.005		<0.005		<0.25				<0.005			<0.005	
Ethylbenzene				<0.005		<0.005		<0.25				<0.005			<0.005	
Methyl Ethyl Ketone				0.024(J)		0.026		6.2				0.023			0.029	
Methylene Chloride				0.041(J)		0.029		0.25				0.065			0.013	
Styrene				<0.005		<0.005		<0.25				<0.005			<0.005	
TDC Benzene	0.31(J)	<0.25(J)	<0.25(J)		2		1.4		1.1	<0.25	<0.25		<0.25	<0.25		<0.26
Tetrachloroethylene				<0.005		<0.005		<0.25				<0.005			<0.005	
Toluene	0.23	0.26	0.16	<0.005		<0.005		<0.25				<0.005			<0.005	
Total Xylenes				<0.005		<0.005		<0.25				<0.005			<0.005	
trans-1,2-Dichloroethylene				<0.005		<0.005		<0.25				<0.005			<0.005	
trans-1,3-Dichloropropylene				<0.005		<0.005		<0.25				<0.005			<0.005	
Trichloroethylene				<0.005		<0.005		<0.25				<0.005			<0.005	
Vinyl Acetate				<0.01		<0.01		<0.5				<0.01			<0.01	
Vinyl Chloride				<0.01		<0.01		<0.5				<0.01			<0.01	

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	36D 6.5 ft bls 85/06/19 CAL/OEPA	36D 8 ft bls 85/06/19 CAL/OEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 9.5 ft bls 85/06/19 CAL/OEPA	46D 1.5 ft bls 85/06/18 CAL/OEPA	46D 10.5 ft bls 85/06/18 CAL/DEPA	46D 11 ft bls 85/06/18 CAL/OEPA	46D 2 ft bls 85/06/18 CAL/OEPA	46D 3.5 ft bls 85/06/18 CAL/OEPA	46D 5 ft bls 85/06/18 CAL/OEPA	46D 6.5 ft bls 85/06/18 CAL/OEPA	46D 7 ft bls 85/06/18 CAL/OEPA	ARTESIA ft bls 00/01/03 CAL/OEPA	ARTESIA ft bls 85/06/19 CAL/OEPA	VANNESS ft bls 00/01/03 CAL/OEPA	VANNESS ft bls 85/06/19 CAL/OEPA
1,1,1-Trichloroethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,1,2,2-Tetrachloroethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,1,2-Trichloroethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,1-Dichloroethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,1-Dichloroethylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,2-Dichloroethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
1,2-Dichloropropane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
2-Chloroethylvinyl ether			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
2-Hexanone			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
4-Methyl-2-Pentanone			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
Acetone			0.05	0.072		0.035	<0.043			0.031			0.049		0.046	0.046[J]
Benzene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	<0.005
Bromodichloromethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Bromoform			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Bromomethane			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
Carbon Disulfide			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Carbon Tetrachloride			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Chlorobenzene	<0.05	<0.05	<0.005	<0.005	<0.05	<0.005	<0.005	0.12	<0.05	<0.005	<0.05	<0.05	0.013	8.4	0.15	0.15
Chloroethane			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
Chloroform			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		0.024	0.024
Chloromethane			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
cis-1,3-Dichloropropylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Dibromochloromethane			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Ethylbenzene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Methyl Ethyl Ketone			0.026	0.03		0.029	0.034			0.03			0.025		0.026	
Methylene Chloride			0.028	0.022		0.04	0.012			0.025			0.047		0.029	
Styrene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
TDC Benzene	<0.25	<0.25			<0.25			<0.25	<0.25		<0.25	<0.25		<0.25		<0.001
Tetrachloroethylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Toluene			<0.005	<0.005		<0.005	<0.005			0.0054			<0.005		0.008	
Total Xylenes			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
trans-1,2-Dichloroethylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
trans-1,3-Dichloropropylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Trichloroethylene			<0.005	<0.005		<0.005	<0.005			<0.005			<0.005		<0.005	
Vinyl Acetate			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	
Vinyl Chloride			<0.01	<0.01		<0.01	<0.01			<0.01			<0.01		<0.01	

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	JC001 2 ft bls 86/05/01 BAC/ORG	JC001 3.25 ft bls 86/05/01 BAC/ORG	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC001 4.25 ft bls 86/05/01 BAC/ORG	JC001 5.75 ft bls 86/05/01 BAC/ORG	JC001 6.25 ft bls 86/05/01 BAC/ORG	JC002 1 ft bls 86/05/01 BAC/ORG	JC002 1.5 ft bls 86/05/01 BAC/ORG	JC002 3.25 ft bls 86/05/01 BAC/ORG	JC002 3.75 ft bls 86/05/01 BAC/ORG	JC002 5 ft bls 86/05/01 BAC/ORG	JC002 5.5 ft bls 86/05/01 BAC/ORG	JC003 1.75 ft bls 86/05/01 BAC/ORG	JC003 2.25 ft bls 86/05/01 BAC/ORG	JC003 2.75 ft bls 86/05/01 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone			<0.012												
4-Methyl-2-Pentanone			<0.012												
Acetone	<3	<3	0.01(J)	<3	<3	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	<3	<3	<3
Acrolein	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	0.003(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide			<0.006												
Carbon Tetrachloride	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	0.6	0.8	0.065	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	0.007	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	0.002(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane													3		
Methyl Ethyl Ketone			<0.012												
Methylene Chloride	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
N-Methyl-Benzeneethanamine															
Styrene			<0.006												
Tetrachloroethylene	17	10	0.518	2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes			0.014												
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	0.01	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate			<0.012												
Vinyl Chloride	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	JC003 3.75 ft bls 86/05/01 BAC/ORG	JC003 4.25 ft bls 86/05/01 BAC/ORG	JC003 5.5 ft bls 86/05/01 VILO/OEPA	JC003 6 ft bls 86/05/01 VILO/DEPA	JC003 6.5 ft bls 86/05/01 BAC/ORG	JC004 1.25 ft bls 86/05/01 BAC/ORG	JC004 2.33 ft bls 86/05/01 BAC/ORG	JC004 3 ft bls 86/05/01 BAC/ORG	JC004 3.5 ft bls 86/05/01 VILO/SEPA	JC004 4 ft bls 86/05/01 BAC/ORG	JC004 5.5 ft bls 86/05/01 BAC/ORG	JC005 1 ft bls 86/04/30 BAC/ORG	JC005 2.5 ft bls 86/04/30 BAC/ORG	JC005 3 ft bls 86/04/30 BAC/ORG	JC005 3.5 ft bls 86/04/30 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3			<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3			<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3			<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.012	<0.012	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone			<0.012	<0.012					<0.012						
4-Methyl-2-Pentanone			<0.012	<0.012					<0.012						
Acetone	<3	<3	<0.012	0.016	<3	<3	<3	<3	0.001	<3	<3	<3	<3	<3	<3
Acrolein	<3	<3			<3	<3	<3	<3		<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3			<3	<3	<3	<3		<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.012	<0.012	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide			<0.006	<0.006					<0.006						
Carbon Tetrachloride	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	2	7	0.9	1
Chloroethane	<0.3	<0.3	<0.012	<0.012	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	0.001(J)	<0.3	<0.3	0.3	0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.012	<0.012	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone			<0.012	<0.012					<0.012						
Methylene Chloride	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
N-Methyl-Benzenethanamine															
Styrene			<0.006	<0.006					<0.006						
Tetrachloroethylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes			<0.006	<0.006					<0.006						
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.006	<0.006	<0.3	<0.3	<0.3	<0.3	0.002(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3			<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate			<0.012	<0.012					<0.012						
Vinyl Chloride	<0.3	<0.3	<0.012	<0.012	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	JC005 5 ft bls 86/04/30 BAC/ORG	JC005 5.5 ft bls 86/04/30 BAC/ORG	LA001 1 ft bls 86/05/08 BAC/ORG	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 2 ft bls 86/05/08 BAC/ORG	LA001 3.25 ft bls 86/05/08 BAC/ORG	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA001 3.75 ft bls 86/05/08 VILO/RSED	LA001 4.25 ft bls 86/05/08 BAC/ORG	LA001 5.25 ft bls 86/05/08 BAC/ORG	LA001 5.75 ft bls 86/05/08 BAC/ORG	LA002 1 ft bls 86/05/02 BAC/ORG	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA002 3 ft bls 86/05/02 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3		<0.3	<0.3			<0.3	<0.3	<0.3	<0.3			<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3		<0.3	<0.3			<0.3	<0.3	<0.3	<0.3			<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3		<0.3	<0.3			<0.3	<0.3	<0.3	<0.3			<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.011	<0.011	<0.3	<0.3	<0.3	<0.3	<0.011	<0.011	<0.3
2-Hexanone				<0.011			<0.011	<0.011					<0.011	<0.011	
4-Methyl-2-Pentanone				<0.011			<0.011	<0.011					<0.011	<0.011	
Acetone	<3	<3	<3	<0.011	<3	<3	0.012	<0.011	<3	<3	<3	3	0.009(J)	0.026	6
Acrolein	<3	<3	<3		<3	<3			<3	<3	<3	<3			<3
Acrylonitrile	<3	<3	<3		<3	<3			<3	<3	<3	<3			<3
Benzene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.011	<0.011	<0.3	<0.3	<0.3	<0.3	<0.011	<0.011	<0.3
Carbon Disulfide				<0.005			<0.005	<0.005					<0.006	<0.006	
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.011	<0.011	<0.3	<0.3	<0.3	<0.3	<0.011	<0.011	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.011	<0.011	<0.3	<0.3	<0.3	<0.3	<0.011	<0.011	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone				<0.011			<0.011	<0.011					<0.011	<0.011	
Methylene Chloride	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	0.003(J)	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
N-Methyl-Benzenethanamine															
Styrene				<0.005			<0.005	<0.005					<0.006	<0.006	
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Toluene	0.3	<0.3	<0.3	0.005	<0.3	<0.3	0.005	0.005	<0.3	<0.3	<0.3	<0.3	0.002(J)	0.008	<0.3
Total Xylenes				<0.005			<0.005	<0.005					<0.006	<0.006	
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.005	<0.3	<0.3	<0.005	<0.005	<0.3	<0.3	<0.3	<0.3	<0.006	<0.006	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3		<0.3	<0.3			<0.3	<0.3	<0.3	<0.3			<0.3
Trimethyl Silanol															
Vinyl Acetate				<0.011			<0.011	<0.011					<0.011	<0.011	
Vinyl Chloride	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.011	<0.011	<0.3	<0.3	<0.3	<0.3	<0.011	<0.011	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA002 3.5 ft bls 86/05/02 BAC/ORG	LA002 4 ft bls 86/05/02 BAC/ORG	LA002 5 ft bls 86/05/02 BAC/ORG	LA002 5.5 ft bls 86/05/02 BAC/ORG	LA002 6 ft bls 86/05/02 BAC/ORG	LA003 1 ft bls 86/05/06 VILO/DEPA	LA003 1.5 ft bls 86/05/06 BAC/ORG	LA003 2.25 ft bls 86/05/06 BAC/ORG	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA003 3.25 ft bls 86/05/06 BAC/ORG	LA003 4.5 ft bls 86/05/06 BAC/ORG	LA003 5 ft bls 86/05/06 BAC/ORG	LA004 1 ft bls 86/05/02 BAC/ORG	LA004 1.5 ft bls 86/05/02 BAC/ORG	LA004 3.25 ft bls 86/05/02 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone						<0.012			<0.011						
4-Methyl-2-Pentanone						<0.012			<0.011						
Acetone	21	7	<3	<3	<3	0.01(J)	<3	<3	0.008(J)	<3	<3	<3	<3	<3	<3
Acrolein	<3	<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide						<0.006			<0.006						
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone						<0.012			<0.011						
Methylene Chloride	<0.3	9	<0.3	<0.3	<0.3	0.002(J)	<0.3	<0.3	0.002(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
N-Methyl-Benzeneethanaamine															
Styrene						<0.006			<0.006						
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes						<0.006			<0.006						
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate						<0.012			<0.011						
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA004 4.5 ft bls 86/05/02 BAC/ORG	LA004 5 ft bls 86/05/02 VILO/SEPA	LA004 5.5 ft bls 86/05/02 BAC/ORG	LA005 1 ft bls 86/05/02 BAC/ORG	LA005 2.25 ft bls 86/05/02 BAC/ORG	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA005 4 ft bls 86/05/02 BAC/ORG	LA005 4.5 ft bls 86/05/02 BAC/ORG	LA005 5 ft bls 86/05/02 BAC/ORG	LA006 1 ft bls 86/05/06 BAC/ORG	LA006 2.75 ft bls 86/05/06 VILO/DEPA	LA006 3.25 ft bls 86/05/06 BAC/ORG	LA006 4.5 ft bls 86/05/06 BAC/ORG	LA006 5 ft bls 86/05/06 VILO/DEPA	LA006 5.5 ft bls 86/05/06 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,1,2-Trichloroethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,1-Dichloroethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,1-Dichloroethylene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,2-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3		<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3		<0.3
1,2-Dichloroethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,2-Dichloropropane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
1,3-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3		<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3		<0.3
1,4-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3		<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3		<0.3
2-Chloroethylvinyl ether	<0.3	<0.011	<0.3	<0.3	<0.3	<0.011	<0.3			<0.3	<0.012	<0.3	<0.3	<0.011	<0.3
2-Hexanone		<0.011				<0.011					<0.012			<0.011	
4-Methyl-2-Pentanone		<0.011				<0.011					<0.012			<0.011	
Acetone	<3	0.016	<3	<3	<3	0.042	<3	<3[EH]	<3[EH]	<3	0.009(J)	<3	<3	0.017	<3
Acrolein	<3		<3	<3	<3		<3			<3		<3	<3		<3
Acrylonitrile	<3		<3	<3	<3		<3			<3		<3	<3		<3
Benzene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Bromodichloromethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Bromoform	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Bromomethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.011	<0.3			<0.3	<0.012	<0.3	<0.3	<0.011	<0.3
Carbon Disulfide		<0.005				<0.006					<0.006			<0.006	
Carbon Tetrachloride	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Chlorobenzene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Chloroethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.011	<0.3			<0.3	<0.012	<0.3	<0.3	<0.011	<0.3
Chloroform	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Chloromethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.011	<0.3			<0.3	<0.012	<0.3	<0.3	<0.011	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Dibromochloromethane	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Ethylbenzene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone		<0.011				<0.011					<0.012			<0.011	
Methylene Chloride	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	0.02	<0.3	<0.3	0.002(J)	<0.3
N-Methyl-Benzeneethanaamine															
Styrene		<0.005				<0.006					<0.006			<0.006	
Tetrachloroethylene	<0.3	<0.005	<0.3	<0.3	0.6	0.024	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Toluene	<0.3	<0.005	<0.3	<0.3	<0.3	0.004(J)	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Total Xylenes		<0.005				<0.006					<0.006			<0.006	
trans-1,2-Dichloroethylene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Trichloroethylene	<0.3	<0.005	<0.3	<0.3	<0.3	<0.006	<0.3			<0.3	<0.006	<0.3	<0.3	<0.006	<0.3
Trichlorofluoromethane	<0.3		<0.3	<0.3	<0.3		<0.3			<0.3		<0.3	<0.3		<0.3
Trimethyl Silanol															
Vinyl Acetate		<0.011				<0.011					<0.012			<0.011	
Vinyl Chloride	<0.3	<0.011	<0.3	<0.3	<0.3	<0.011	<0.3			<0.3	<0.012	<0.3	<0.3	<0.011	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA007 1 ft bls 86/05/06 BAC/ORG	LA007 2.75 ft bls 86/05/06 VILO/OEPA	LA008 1 ft bls 86/05/05 BAC/ORG	LA008 1.5 ft bls 86/05/05 BAC/ORG	LA008 2.75 ft bls 86/05/05 BAC/ORG	LA009 2.75 ft bls 86/05/05 BAC/ORG	LA009 4.25 ft bls 86/05/05 BAC/ORG	LA009 5.25 ft bls 86/05/05 BAC/ORG	LA010 0.75 ft bls 86/05/05 BAC/ORG	LA010 1.75 ft bls 86/05/05 BAC/ORG	LA010 3.25 ft bls 86/05/05 BAC/ORG	LA010 3.75 ft bls 86/05/05 BAC/ORG	LA010 5 ft bls 86/05/05 BAC/ORG	LA011 1.25 ft bls 86/05/05 BAC/ORG	LA011 1.75 ft bls 86/05/05 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3		<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone		<0.011													
4-Methyl-2-Pentanone		<0.011													
Acetone	<3	0.015	<3	<3	<3	<3[EH]	<3[EH]	<3[EH]	<3	<3	<3	<3	<3	<3	<3
Acrolein	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide		<0.006													
Carbon Tetrachloride	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone		<0.011													
Methylene Chloride	<0.3	0.004(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
N-Methyl-Benzeneethanaamine															
Styrene		<0.006													
Tetrachloroethylene	<0.3	0.002(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	0.002(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes		<0.006													
trans-1,2-Dichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate		<0.011													
Vinyl Chloride	<0.3	<0.011	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA011 2.75 ft bls 86/05/05 BAC/ORG	LA011 3.75 ft bls 86/05/05 BAC/ORG	LA011 5.25 ft bls 86/05/05 BAC/ORG	LA011 5.75 ft bls 86/05/05 BAC/ORG	LA012 1.25 ft bls 86/05/06 BAC/ORG	LA012 1.75 ft bls 86/05/06 BAC/ORG	LA012 2.75 ft bls 86/05/06 BAC/ORG	LA012 3.75 ft bls 86/05/06 BAC/ORG	LA012 5.25 ft bls 86/05/06 BAC/ORG	LA013 1.25 ft bls 86/05/06 BAC/ORG	LA013 1.75 ft bls 86/05/06 BAC/ORG	LA013 3.25 ft bls 86/05/06 BAC/ORG	LA013 3.75 ft bls 86/05/06 BAC/ORG	LA013 5 ft bls 86/05/06 BAC/ORG	LA013 5.5 ft bls 86/05/06 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone	<3	<3	<3	<3	<3	<3	<3	<3	<3	4	<3	<3	<3	<3	<3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide															
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone															
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
N-Methyl-Benzeneethanaamine															
Styrene															
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes															
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate															
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	LA014 1.25 ft bls 86/05/06 BAC/ORG	LA014 1.75 ft bls 86/05/06 BAC/ORG	LA014 3.25 ft bls 86/05/06 BAC/ORG	LA014 3.75 ft bls 86/05/06 BAC/ORG	LA014 5 ft bls 86/05/06 BAC/ORG	LA014 5.5 ft bls 86/05/06 BAC/FD	MD001 1 ft bls 86/04/30 BAC/ORG	MD001 2.5 ft bls 86/04/30 BAC/ORG	MD001 3.5 ft bls 86/04/30 BAC/ORG	MD002 1 ft bls 86/04/30 VILO/DEPA	MD002 1 ft bls 86/04/30 VILO/RASE	MD002 3.25 ft bls 86/04/30 VILO/DEPA	MD002 5 ft bls 86/04/30 BAC/ORG	MD002 5.5 ft bls 86/04/30 BAC/ORG	MD003 1.25 ft bls 86/05/19 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3				<0.3[EH]	<0.3[EH]	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3				<0.3[EH]	<0.3[EH]	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3				<0.3[EH]	<0.3[EH]	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.012	<0.011	<0.3	<0.3	<0.3
2-Hexanone										<0.012[EH]	<0.012	<0.011			
4-Methyl-2-Pentanone										<0.012[EH]	<0.012	<0.011			
Acetone	<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.012[EH]	<0.012	<0.011	<3[EH]	<3[EH]	<3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.012	<0.011	<0.3	<0.3	<0.3
Carbon Disulfide										<0.006[EH]	<0.006	<0.006			
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.012	<0.011	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.012	<0.011	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Hexamethylcyclotrisiloxane															
Isobutane															
Methyl Ethyl Ketone										<0.012[EH]	<0.012	<0.011			
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
N-Methyl-Benzeneethanamine										0.012(J)[EH]					
Styrene										<0.006[EH]	<0.006	<0.006			
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.005(J)[EH]	0.006	<0.006	<0.3	<0.3	<0.3
Total Xylenes										<0.006[EH]	<0.006	<0.006			
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.006	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3				<0.3	<0.3	<0.3
Trimethyl Silanol															
Vinyl Acetate										<0.012[EH]	<0.012	<0.011			
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.012	<0.011	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	MD003 2.25 ft bls 86/05/19 BAC/ORG	MD003 3.5 ft bls 86/05/19 BAC/ORG	MD003 4.25 ft bls 86/05/19 BAC/ORG	MD003 5 ft bls 86/05/19 BAC/ORG	MD004 0.25 ft bls 86/04/30 BAC/ORG	MD004 2 ft bls 86/04/30 BAC/ORG	MD004 3.75 ft bls 86/04/30 BAC/ORG	MD004 4.25 ft bls 86/04/30 BAC/ORG	MD004 5.75 ft bls 86/04/30 BAC/ORG	MD004 6.25 ft bls 86/04/30 BAC/ORG	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 1.5 ft bls 86/04/29 VILO/DEPA	MD006 5.75 ft bls 86/04/29 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3[EH]
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3[EH]
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3[EH]
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.011	<0.3
2-Hexanone											<0.012[EH]	<0.011	
4-Methyl-2-Pentanone											<0.012[EH]	<0.011	
Acetone	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	0.032[EH]	0.016	<3[EH]
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.011	<0.3
Carbon Disulfide											<0.006[EH]	<0.006	
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.011	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.011	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Hexamethylcyclotrisiloxane											0.007(J)[EH]		
Isobutane													
Methyl Ethyl Ketone											<0.012[EH]	<0.011	
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.007[EH]	<0.006	<0.3
N-Methyl-Benzenethanamine													
Styrene											<0.006[EH]	<0.006	
Tetrachloroethylene	<0.3	<0.3	2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.007(EH]	<0.006	
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.005(J)[EH]	<0.006	<0.3
Total Xylenes											<0.006[EH]	<0.006	
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006[EH]	<0.006	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3
Trimethyl Silanol											0.006(J)[EH]		
Vinyl Acetate											<0.012[EH]	<0.011	
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012[EH]	<0.011	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	NS001 0.25 ft bls 86/05/20 VILO/OEPA	NS001 0.25 ft bls 86/05/20 VILO/RASE	NS013 0.25 ft bls 86/05/20 VILO/OEPA
1,1,1-Trichloroethane	<0.005[EH]	<0.005	<0.005[EH]
1,1,2,2-Tetrachloroethane	<0.005[EH]	<0.005	<0.005[EH]
1,1,2-Trichloroethane	<0.005[EH]	<0.005	<0.005[EH]
1,1-Dichloroethane	<0.005[EH]	<0.005	<0.005[EH]
1,1-Dichloroethylene	<0.005[EH]	<0.005	<0.005[EH]
1,2-Dichloroethane	<0.005[EH]	<0.005	<0.005[EH]
1,2-Dichloropropane	<0.005[EH]	<0.005	<0.005[EH]
2-Chloroethylvinyl ether	<0.01(EH)	<0.01	<0.01(EH)
2-Hexanone	<0.01[EH]	<0.01	<0.01[EH]
4-Methyl-2-Pentanone	0.17[EH]	0.17	1.8[EH]
Acetone	<0.01[EH]	<0.01	0.059(J)[EH]
Benzene	<0.005[EH]	<0.005	<0.005[EH]
Bromodichloromethane	<0.005[EH]	<0.005	<0.005[EH]
Bromoform	<0.005[EH]	<0.005	<0.005[EH]
Bromomethane	<0.01[EH]	<0.01	<0.01[EH]
Carbon Disulfide	<0.005[EH]	<0.005	<0.005[EH]
Carbon Tetrachloride	<0.005[EH]	<0.005	<0.005[EH]
Chlorobenzene	<0.005[EH]	<0.005	<0.005[EH]
Chloroethane	<0.01[EH]	<0.01	<0.01[EH]
Chloroform	<0.005[EH]	<0.005	<0.005[EH]
Chloromethane	<0.01[EH]	<0.01	<0.01[EH]
cis-1,3-Dichloropropylene	<0.005[EH]	<0.005	<0.005[EH]
Dibromochloromethane	<0.005[EH]	<0.005	<0.005[EH]
Ethylbenzene	<0.005[EH]	<0.005	<0.005[EH]
Methyl Ethyl Ketone	<0.01[EH]	<0.01	1.33[EH]
Methylene Chloride	<0.005[EH]	<0.005	0.041(J)[EH]
Styrene	<0.005[EH]	<0.005	<0.005[EH]
Tetrachloroethylene	<0.005[EH]	<0.005	<0.005[EH]
Toluene	0.056(J)[EH]	0.055	0.055[EH]
Total Xylenes	<0.005[EH]	<0.005	<0.005[EH]
trans-1,2-Dichloroethylene	<0.005[EH]	<0.005	<0.005[EH]
trans-1,3-Dichloropropylene	<0.005[EH]	<0.005	<0.005[EH]
Trichloroethylene	<0.005[EH]	<0.005	<0.005[EH]
Unknown (as appropriate w/method)	0.02(J)[EH]		
Vinyl Acetate	<0.01(EH)	<0.01	<0.01[EH]
Vinyl Chloride	<0.01(EH)	<0.01	<0.01[EH]

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S201 16 ft bls 86/09/26 RMAU/SEPA	S201 16.5 ft bls 86/09/26 BAC/ORG	S201 17 ft bls 86/09/26 RMAU/OEPA	S201 20.5 ft bls 86/09/26 BAC/ORG	S201 30.5 ft bls 86/09/26 BAC/ORG	S201 35.5 ft bls 86/09/26 BAC/ORG	S201 46.5 ft bls 86/09/26 BAC/ORG	S201 51 ft bls 86/09/26 BAC/ORG	S201 60.5 ft bls 86/09/26 BAC/ORG	S201 61 ft bls 86/09/26 RMAU/OEPA	S202 20.5 ft bls 86/09/30 BAC/ORG	S202 25.5 ft bls 86/09/30 BAC/ORG	S202 30.5 ft bls 86/09/30 BAC/ORG	S202 35.5 ft bls 86/09/30 BAC/ORG
1,1,1-Trichloroethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene		<6		2	<0.3	<0.3	<3	<0.3	<6		<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene		<6		<2	<0.3	<0.3	<3	<0.3	<6		<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene		<6		3	<0.3	<0.3	<3	0.9	16		<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<30	<6	<6.7	<2	<0.3	<0.3	<3	<15	<60	<130	<0.3	<0.3	<0.3	<0.3
2-Hexanone	<30		<6.7							<130				
2-Methyl Butenoic Acid														
2-Methyl-Propanoic Acid														
4-Methyl-2-Pentanone	<30		<6.7							<130				
A C9 Saturated Hydrocarbon														
Acetone	11(J)	<60	2.1(J)	<20	<3	<3	<30	<3	<60	86(J)	<3	<3	<3	<3
Acrolein		<60		<20	<3	<3	<30	<150	<600		<3	<3	<3	<3
Acrylonitrile		<60		<20	<3	<3	<3	<150	<600		<3	<3	<3	<3
Alcohol			3.1											
Benzene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Bromoform	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Bromomethane	<30	<6	<6.7	<2	<0.3	<0.3	<3	<15	<60	<130	<0.3	<0.3	<0.3	<0.3
Butanoic Acid, 2-Methyl														
Butanoic Acid, Methylester														
Carbon Disulfide	<15		<3.3							<65				
Carbon Tetrachloride	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	310	200	64	120	16	13	460	4400	540	990	<0.3	0.3	<0.3	<0.3
Chloroethane	<30	<6	<6.7	<2	<0.3	<0.3	<3	<15	<60	<130	<0.3	<0.3	<0.3	<0.3
Chloroform	<15	<6	<3.3	<2	0.9	<0.3	<3	<15	<60	<65	<0.3	0.4	<0.3	0.4
Chloromethane	<30	<6	<6.7	<2	<0.3	<0.3	<3	<15	<60	<130	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<15	<6	2.1(J)	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone	<30		2.2(J)							<130				
Methylene Chloride	4.9(J)	<6	1.3(J)	<2	<0.3	<0.3	<3	<15	<60	21(J)	<0.3	<0.3	<0.3	<0.3
Styrene	<15		<3.3							<65				
Tetrachloroethylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Toluene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Total Xylenes	<15		2.9							<65				
trans-1,2-Dichloroethylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<15	<6	<3.3	<2	<0.3	<0.3	<3	<15	<60	<65	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane		<6		<2	<0.3	<0.3	<3	<15	<60		<0.3	<0.3	<0.3	<0.3
Trimethylbenzene														
Unknown (as appropriate w/method)			11.6											
Vinyl Acetate	<30		<6.7							<130				
Vinyl Chloride	<30	<6	<6.7	<2	<0.3	<0.3	<3	<15	<60	<130	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S202 43.5 ft bls 86/09/30 BAC/ORG	S202 50.5 ft bls 86/09/30 BAC/ORG	S202 60.5 ft bls 86/09/30 BAC/ORG	S203 20.5 ft bls 86/10/01 BAC/ORG	S203 30.5 ft bls 86/10/01 BAC/ORG	S203 42.5 ft bls 86/10/01 BAC/ORG	S203 50.5 ft bls 86/10/01 BAC/ORG	S203 60.5 ft bls 86/10/01 BAC/ORG	S204 21.5 ft bls 86/09/23 BAC/ORG	S204 26.5 ft bls 86/09/23 BAC/ORG	S204 30.5 ft bls 86/09/25 BAC/ORG	S204 42 ft bls 86/09/25 BAC/ORG	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 50.5 ft bls 86/09/25 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.4	<0.3
2-Hexanone													<1.4	
2-Methyl Butanoic Acid														
2-Methyl-Propanoic Acid													0.37	
4-Methyl-2-Pentanone													<1.4	
A C9 Saturated Hydrocarbon										10				
Acetone	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	1.5	<3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3
Alcohol													0.92	
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Bromomethane	<0.3	<0.3	<0.3	<1	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.4	<0.3
Butanoic Acid, 2-Methyl													0.45	
Butanoic Acid, Methylester													0.86	
Carbon Disulfide													<0.68	
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	0.5	3	2	2	4	1[EP]	0.5[EP]	4[EP]	3.2	1[EP]
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.4	<0.3
Chloroform	<0.3	<0.3	<0.3	1[EA]	<0.3	1[EA]	0.5[EA]	<0.3	<0.3	<0.3	<3	0.6	0.14(J)	<0.3
Chloromethane	<0.3	<0.3	<0.3	<1	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.4	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.89	<0.3
Methyl Ethyl Ketone													0.79(J)	
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.28(J)	<0.3
Styrene													1.2	
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Toluene	<0.3	<0.3	<0.3	0.3	0.3	0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Total Xylenes													<0.68	
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.68	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3
Trimethylbenzene										20				
Unknown (as appropriate w/method)													2.2	
Vinyl Acetate													<1.4	
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.4	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S204 51 ft bls 86/09/25 RMAL/OEPA	S204 60 ft bls 86/09/25 BAC/ORG	SP001A ft bls 86/05/07 BAC/ORG	SP001A 5.5 ft bls 86/05/07 BAC/ORG	SP001A 6 ft bls 86/05/07 BAC/ORG	SP001A 7.5 ft bls 86/05/07 BAC/ORG	SP002 1 ft bls 86/05/08 BAC/ORG	SP002 1.5 ft bls 86/05/08 VILO/SEPA	SP002 2 ft bls 86/05/08 BAC/ORG	SP002 3.25 ft bls 86/05/08 BAC/ORG	SP002 3.75 ft bls 86/05/08 BAC/FD	SP002 4.25 ft bls 86/05/08 BAC/ORG	SP002 5.5 ft bls 86/05/08 BAC/ORG
1,1,1-Trichloroethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene		<6	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene		<6	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene		<6	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<1.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	<1.3							<0.012					
2-Methyl Butanoic Acid	0.52												
2-Methyl-Propanoic Acid	0.55												
4-Methyl-2-Pentanone	<1.3							<0.012					
A C9 Saturated Hydrocarbon													
Acetone	<1.3	<60	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<3	<0.012	<3	<3	<3	<3	<3
Acrolein		<60	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3
Acrylonitrile		<60	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3
Alcohol	1.2												
Benzene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<1.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3
Butanoic Acid, 2-Methyl													
Butanoic Acid, Methylester	0.93												
Carbon Disulfide	<0.66							<0.006					
Carbon Tetrachloride	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	0.2(J)	2400[EP]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<1.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<1.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	0.86	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone	1.1(J)							<0.012					
Methylene Chloride	0.28(J)	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene	<0.66							<0.006					
Tetrachloroethylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	0.17(J)	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes	1.1							<0.006					
trans-1,2-Dichloroethylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.66	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane		<6	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3
Trimethylbenzene													
Unknown (as appropriate w/method)	2.2												
Vinyl Acetate	<1.3							<0.012					
Vinyl Chloride	<1.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T031 1.5 ft bls 86/05/08 VILO/DSEP	T031 2 ft bls 86/05/08 BAC/ORG	T031 2.75 ft bls 86/05/08 BAC/ORG	T031 3.25 ft bls 86/05/08 VILO/SEPA	T031 3.75 ft bls 86/05/08 BAC/ORG	T031 4.75 ft bls 86/05/08 BAC/ORG	T031 5.25 ft bls 86/05/08 BAC/ORG	T031 5.75 ft bls 86/05/08 BAC/FD	T032 1 ft bls 86/05/08 BAC/ORG	T032 1 ft bls 86/05/08 VILO/SEPA	T032 2 ft bls 86/05/08 BAC/ORG	T032 3.25 ft bls 86/05/08 BAC/ORG	T032 3.75 ft bls 86/05/08 VILO/DEPA	T032 4.25 ft bls 86/05/08 BAC/ORG	T032 5.75 ft bls 86/05/08 BAC/ORG
1,1,1-Trichloroethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,1,2-Trichloroethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,1-Dichloroethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,1-Dichloroethylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,2-Dichlorobenzene		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3
1,2-Dichloroethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,2-Dichloropropane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
1,3-Dichlorobenzene		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3
1,4-Dichlorobenzene		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3
2-Chloroethylvinyl ether	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.012	<0.3	<0.3
2-Hexanone	<0.012			<0.012						<0.011			<0.012		
4-Methyl-2-Pentanone	<0.012			<0.012						<0.011			<0.012		
Acetone	0.012(J)	<3	<3	<0.012	<3	<3	<3	<3	<3	0.011	<3	<3	<0.012	<3	<3
Acrolein		<3	<3		<3	<3	<3	<3	<3		<3	<3		<3	<3
Acrylonitrile		<3	<3		<3	<3	<3	<3	<3		<3	<3		<3	<3
Benzene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Bromodichloromethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Bromoform	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Bromomethane	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.012	<0.3	<0.3
Carbon Disulfide	<0.006			<0.006						<0.006			<0.006		
Carbon Tetrachloride	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Chlorobenzene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Chloroethane	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.012	<0.3	<0.3
Chloroform	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	0.008	<0.3	<0.3	<0.006	<0.3	<0.3
Chloromethane	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.012	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Dibromochloromethane	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Ethylbenzene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Methyl Ethyl Ketone	<0.012			<0.012						<0.011			<0.012		
Methylene Chloride	0.004(J)	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	0.006(J)	<0.3	<0.3	0.008	<0.3	<0.3
Styrene	<0.006			<0.006						<0.006			<0.006		
Tetrachloroethylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Toluene	0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	0.005(J)	<0.3	<0.3	<0.006	<0.3	<0.3
Total Xylenes	<0.006			<0.006						<0.006			<0.006		
trans-1,2-Dichloroethylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Trichloroethylene	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3
Trichlorofluoromethane		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3		<0.3	<0.3
Vinyl Acetate	<0.012			<0.012						<0.011			<0.012		
Vinyl Chloride	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.011	<0.3	<0.3	<0.012	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T033 1 ft bls 86/05/08 BAC/ORG	T033 1.5 ft bls 86/05/08 VILO/SEPA	T033 2 ft bls 86/05/08 BAC/ORG	T033 3.25 ft bls 86/05/08 BAC/ORG	T033 3.75 ft bls 86/05/08 VILO/DSEP	T033 4.25 ft bls 86/05/08 BAC/ORG	T033 5.75 ft bls 86/05/08 BAC/ORG	T041 1.5 ft bls 86/05/09 BAC/ORG	T041 2 ft bls 86/05/09 BAC/FD	T041 3.5 ft bls 86/05/09 BAC/ORG	T041 4.75 ft bls 86/05/09 BAC/ORG	T041 5.25 ft bls 86/05/09 BAC/ORG	T041 5.75 ft bls 86/05/09 BAC/ORG	T042 1 ft bls 86/05/09 BAC/ORG	T042 1.5 ft bls 86/05/09 BAC/FD
1,1,1-Trichloroethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3		<0.3	<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3		<0.3	<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3		<0.3	<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone		<0.012			<0.012										
4-Methyl-2-Pentanone		<0.012			<0.012										
Acetone	<3	<0.012	<3	<3[EH]	0.013(J)	<3[EH]	<3[EH]	<3	<3	<3	<3	<3	<3	<3	<3
Acrolein	<3		<3	<3		<3	<3	<10	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3		<3	<3		<3	<3	<10	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide		<0.006			<0.006										
Carbon Tetrachloride	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.5	<0.3
Chloroethane	<0.3	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.006	<0.3	<0.3	0.005(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone		<0.012			<0.012										
Methylene Chloride	<0.3	0.008	<0.3	<0.3	0.005(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene		<0.006			<0.006										
Tetrachloroethylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.006	<0.3	<0.3	0.004(J)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes		<0.006			<0.006										
trans-1,2-Dichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.006	<0.3	<0.3	<0.006	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3		<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate		<0.012			<0.012										
Vinyl Chloride	<0.3	<0.012	<0.3	<0.3	<0.012	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T042 16.25 ft bls 88/09/13 ATI/ORG	T042 2 ft bls 86/05/09 BAC/ORG	T042 3.25 ft bls 86/05/09 BAC/ORG	T042 4.25 ft bls 86/05/09 BAC/ORG	T042 5.25 ft bls 86/05/09 BAC/ORG	T043 1.5 ft bls 86/05/09 BAC/ORG	T043 2 ft bls 86/05/09 BAC/ORG	T043 3.75 ft bls 86/05/09 BAC/ORG	T043 5 ft bls 86/05/09 BAC/ORG	T043 5.5 ft bls 86/05/09 BAC/ORG	T043 6 ft bls 86/05/09 BAC/FD	T044 1 ft bls 86/05/09 BAC/ORG	T044 2 ft bls 86/05/09 BAC/ORG	T044 3.75 ft bls 86/05/09 BAC/ORG	T044 4.25 ft bls 86/05/09 BAC/ORG	T044 5.75 ft bls 86/05/09 BAC/ORG
1,1,1-Trichloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	<0.5															
4-Methyl-2-Pentanone	<0.5															
Acetone	<0.5	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrolein		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide	<0.05															
Carbon Tetrachloride	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone	<0.5															
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene	<0.05															
Tetrachloroethylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes	<0.05															
trans-1,2-Dichloroethylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate	<0.5															
Vinyl Chloride	<0.05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T045 1 ft bls 86/05/09 BAC/ORG	T045 1.5 ft bls 86/05/09 BAC/ORG	T045 2 ft bls 86/05/09 BAC/ORG	T045 3.25 ft bls 86/05/09 BAC/ORG	T045 4.25 ft bls 86/05/09 BAC/ORG	T045 5.75 ft bls 86/05/09 BAC/ORG	T051 1 ft bls 86/05/09 BAC/ORG	T051 1.5 ft bls 86/05/09 BAC/FD	T051 2 ft bls 86/05/09 BAC/ORG	T051 3.25 ft bls 86/05/09 BAC/ORG	T051 4.25 ft bls 86/05/09 BAC/ORG	T051 5.25 ft bls 86/05/09 BAC/ORG	T052 2 ft bls 86/05/09 BAC/ORG	T052 3.75 ft bls 86/05/09 BAC/ORG	T052A 1.25 ft bls 86/05/09 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone	<3	<3	<3[EH]	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrolein	<3	<3	<3[EH]	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3[EH]	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide															
Carbon Tetrachloride	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	0.8[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone															
Methylene Chloride	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene															
Tetrachloroethylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes															
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate															
Vinyl Chloride	<0.3	<0.3	<0.3[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T052A 3.25 ft bls 86/05/09 BAC/ORG	T052A 4.25 ft bls 86/05/09 BAC/ORG	T053 1 ft bls 86/05/09 BAC/ORG	T053 2 ft bls 86/05/09 BAC/ORG	T053 3 ft bls 86/05/09 BAC/ORG	T053 4 ft bls 86/05/09 BAC/ORG	T053 5 ft bls 86/05/09 BAC/ORG	T054 1 ft bls 86/05/09 BAC/ORG	T054 2 ft bls 86/05/09 BAC/ORG	T054 3 ft bls 86/05/09 BAC/ORG	T054 4 ft bls 86/05/09 BAC/ORG	T054 5 ft bls 86/05/09 BAC/ORG	T061 1.25 ft bls 86/05/07 BAC/ORG	T061 1.75 ft bls 86/05/07 BAC/ORG	T061 2.75 ft bls 86/05/07 BAC/ORG	T061 3.25 ft bls 86/05/07 BAC/FD
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone																
4-Methyl-2-Pentanone																
Acetone	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.3	<0.3	<0.3	<0.3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide																
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone																
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene																
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes																
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate																
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T061 3.75 ft bls 86/05/07 BAC/ORG	T061 4.75 ft bls 86/05/07 BAC/ORG	T061 5.25 ft bls 86/05/07 BAC/FD	T062 0.75 ft bls 86/05/07 BAC/ORG	T062 1.75 ft bls 86/05/07 BAC/ORG	T062 2.75 ft bls 86/05/07 BAC/ORG	T062 3.75 ft bls 86/05/07 BAC/ORG	T062 5 ft bls 86/05/07 BAC/ORG	T063 1.25 ft bls 86/05/07 BAC/ORG	T063 1.75 ft bls 86/05/07 BAC/ORG	T063 2.75 ft bls 86/05/07 BAC/ORG	T063 3.75 ft bls 86/05/07 BAC/ORG	T063 5.25 ft bls 86/05/07 BAC/ORG	T064 1 ft bls 86/05/07 BAC/ORG	T064 2 ft bls 86/05/07 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone															
4-Methyl-2-Pentanone															
Acetone	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acrolein	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide															
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.4	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone															
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene															
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	0.4	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes															
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate															
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T064 3 ft bls 86/05/07 BAC/ORG	T064 4 ft bls 86/05/07 BAC/ORG	T064 5.25 ft bls 86/05/07 BAC/ORG	S-5-S-B ft bls 86/05/05 BAC/ORG	S-8-S-B ft bls 86/05/08 BAC/ORG
1,1,1-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3[EH]
1,2-Dichloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropane	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3[EH]
1,4-Dichlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3[EH]
2-Chloroethylvinyl ether	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone					
4-Methyl-2-Pentanone					
Acetone	<0.3	<0.3	<0.3	<3	<3[EH]
Acrolein	<3	<3	<3	<3	<3
Acrylonitrile	<3	<3	<3	<3	<3
Benzene	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide					
Carbon Tetrachloride	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone					
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene					
Tetrachloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	<0.3	<0.3	<0.3	<0.3	<0.3
Total Xylenes					
trans-1,2-Dichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3
trans-1,3-Dichloropropylene	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethylene	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	<0.3	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate					
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S101A 126.5 ft bls 88/11/02 BAC/ORG	S101A 69.3 ft bls 88/11/01 BAC/ORG	S101A 89.3 ft bls 88/11/01 BAC/ORG	S301 19.7 ft bls 88/10/24 BAC/ORG	S301 28 ft bls 88/10/24 BAC/ORG	S301 39.2 ft bls 88/10/25 BAC/ORG	S301 39.7 ft bls 88/10/25 BAC/FD	S301 50.3 ft bls 88/10/25 BAC/ORG	S301 60.4 ft bls 88/10/25 BAC/ORG	S301A 127.8 ft bls 88/10/15 BAC/ORG	S301A 72.6 ft bls 88/10/14 BAC/ORG	S301A 79.6 ft bls 88/10/14 BAC/ORG	S301A 82.1 ft bls 88/10/14 BAC/ORG	S301A 89.7 ft bls 88/10/14 BAC/ORG
1,1,1-Trichloroethane	<0.3	<150	<600	<75	<2	<30	<3(J)	<0.6(J)	<0.3(J)	<0.3	<0.3	<150(J)	<0.3	<300(J)
1,1,2,2-Tetrachloroethane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
1,1,2-Trichloroethane	<2	<750	<3000	<380	<8	<150(J)	<15	<3	<2	<2	<2	<750	<2	<1500
1,1-Dichloroethane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
1,1-Dichloroethylene	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)	<0.3(J)	<300(J)
1,2-Dichlorobenzene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3(J)	<150	<0.3(J)	<300
1,2-Dichloroethane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
1,2-Dichloroethylene														
1,2-Dichloropropane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
1,3-Dichlorobenzene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3(J)	<150	<0.3(J)	<300
1,4-Dichlorobenzene	<0.3	240	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3(J)	<150(J)	<0.3(J)	<300
2-Chloroethylvinyl ether	<5	<2200	<9000	<1100(J)	<22(J)	<450	<45	<9	<5	<5	<5	<2300(J)	<5	<4500
2-Hexanone														
4-Methyl-2-Pentanone														
Acetone	<6(J)	<3000(J)	<12000(J)	<1500	<30	<600(J)	<60(J)	<12(J)	<6(J)	<6	<6	<3000(J)	<6	<6000
Acrolein	<8(J)	<3800(J)	<15000(J)	<1900(J)	<38(J)	<750(J)	<75(J)	<15(J)	<8(J)	<8(J)	<8(J)	<3800(J)	<8(J)	<7500(J)
Acrylonitrile	<3(J)	<1500(J)	<6000(J)	<750(J)	<15(J)	<300(J)	<30(J)	<6(J)	<3(J)	<3(J)	<3(J)	<1500(J)	<3(J)	<3000(J)
Benzene	<0.6	<300	<1200	<150	<4	<60	<6	<1	<0.6	<0.6	<0.6	<300	<0.6	<600
Bromodichloromethane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Bromoform	<0.3(J)	<150(J)	<600(J)	<75	<2	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3	<0.3	<150	<0.3	<300
Bromomethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)	<0.3(J)	<300(J)
Carbon Disulfide														
Carbon Tetrachloride	<0.3(J)	<150(J)	<600(J)	<75	<2	<30(J)	<3(J)	<0.6(J)	<0.3	<0.3	<0.3	<150(J)	<0.3	<300(J)
Chlorobenzene	9.1	1200	36000	1900	55	1400	170	24	0.9	4.2	15	11000	4.3	12000
Chloroethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)	<0.3(J)	<300(J)
Chloroform	0.4	<150	<600	<75	4	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Chloromethane	<2	<750	<3000	<380(J)	<8(J)	<150	<15	<3(J)	<2	<2(J)	<2	<750	<2	<1500
cis-1,3-Dichloropropylene	<2	<750	<3000	<380	<8	<150(J)	<15(J)	<3(J)	<2(J)	<2	<2	<750(J)	<2	<1500
Dibromochloromethane	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Ethylbenzene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Methyl Ethyl Ketone														
Methylene Chloride	<3	<1500	<6000	<750	<15	<300	<30	<6	<3	<3	<3	<1500	<3	<3000
Styrene														
Tetrachloroethylene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Toluene	0.7	<300	<1200	<150	<4	<60	<6	<1	<0.6	<0.6	<0.6	<300	<0.6	<600
Total Xylenes														
trans-1,2-Dichloroethylene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
trans-1,3-Dichloropropylene	<2	<750	<3000	<380(J)	<8(J)	<150	<15	<3	<2	<2(J)	<2(J)	<750	<2(J)	<1500
Trichloroethylene	<0.3	<150	<600	<75	<2	<30	<3	<0.6	<0.3	<0.3	<0.3	<150	<0.3	<300
Trichlorofluoromethane	<0.3(J)	<150(J)	<600(J)	<75(J)	<2(J)	<30(J)	<3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<150(J)	<0.3(J)	<300(J)
Vinyl Acetate														
Vinyl Chloride	<0.3	<150	<600	<75(J)	<2(J)	<30	<3	<0.6	<0.3	<0.3(J)	<0.3	<150	<0.3	<300

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S301B 9.2 ft bls 88/10/28 BAC/ORG	S302A 125.3 ft bls 88/10/18 BAC/ORG	S302A 73.5 ft bls 88/10/17 BAC/ORG	S302A 79.6 ft bls 88/10/18 BAC/ORG	S302E 6.3 ft bls 88/10/27 BAC/ORG	S302E 8.8 ft bls 88/10/27 BAC/FD	S302F 21.8 ft bls 88/10/28 BAC/ORG	S302F 31.3 ft bls 88/10/28 BAC/ORG	S302F 39.2 ft bls 88/10/28 BAC/ORG	S302F 39.7 ft bls 88/10/28 BAC/FD	S302F 49.2 ft bls 88/10/28 BAC/ORG	S302F 59.2 ft bls 88/10/28 BAC/ORG	S302F 9.1 ft bls 88/10/28 BAC/ORG	S303 128.6 ft bls 88/09/21 BAC/ORG
1,1,1-Trichloroethane	<3(J)	<1.2	<0.6	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5	<60	<0.3(J)	<0.3
1,1,2,2-Tetrachloroethane	<3	<1.2(J)	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3(J)
1,1,2-Trichloroethane	<15	<8(J)	<4	<2	<3	<2	<2	<2	<2	<2	<7.5	<300	<2	<2
1,1-Dichloroethane	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
1,1-Dichloroethylene	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)
1,2-Dichlorobenzene	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
1,2-Dichloroethane	<3(J)	<1.2	<0.6	<0.3	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3	<0.3	<1.5	<60	<0.3(J)	<0.3
1,2-Dichloroethylene														
1,2-Dichloropropane	<3	<1.2(J)	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
1,3-Dichlorobenzene	<3	<1.2	<0.6(J)	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
1,4-Dichlorobenzene	<3	<1.2	<0.6	<0.3(J)	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60(J)	<0.3	<0.3
2-Chloroethylvinyl ether	<45	<20(J)	<10	<5(J)	<9	<5	<5	<5	<5	<5	<23	<900	<5	<5
2-Hexanone														
4-Methyl-2-Pentanone														
Acetone	<60(J)	<24(J)	<12(J)	<6(J)	<12(J)	<6(J)	<6(J)	<6(J)	<6	<6	<30(J)	<1200(J)	<6(J)	<3(J)
Acrolein	<75(J)	<32(J)	<16(J)	<8(J)	<15(J)	<8(J)	<8(J)	<8(J)	<8(J)	<8(J)	<38(J)	<1500(J)	<8(J)	<8(J)
Acrylonitrile	<30(J)	<12(J)	<6(J)	<3(J)	<6(J)	<3(J)	<3(J)	<3(J)	<3(J)	<3(J)	<15(J)	<600(J)	<3(J)	<3(J)
Benzene	<6	<2.4(J)	<1.2	<0.6	<1.2	<0.6	<0.6	<0.6	<0.6	<0.6	<3	<120	<0.6	<0.6
Bromodichloromethane	<3	<1.2(J)	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
Bromoform	<3(J)	<1.2	<0.6(J)	<0.3	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60	<0.3(J)	<0.3
Bromomethane	<3(J)	<1.2	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60(J)	<0.3(J)	<0.3
Carbon Disulfide														
Carbon Tetrachloride	<3(J)	<1.2	<0.6	<0.3(J)	<0.6	<0.3	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60	<0.3(J)	<0.3
Chlorobenzene	190	51(J)	54	8.9	19	4.9	15	2	1.6	6.7	52	3200	1.3	12
Chloroethane	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)
Chloroform	<3	<1.2	1.4	<0.3	2	1.8	2.7	<0.3	<0.3	0.4	<1.5	<60	0.7	0.6
Chloromethane	<15(J)	<8(J)	<4	<2	<3(J)	<2(J)	<2(J)	<2(J)	<2	<2	<7.5	<300(J)	<2(J)	<2(J)
cis-1,3-Dichloropropylene	<15(J)	<8	<4	<2(J)	<3	<2	<2(J)	<2(J)	<2	<2	<7.5	<300(J)	<2(J)	<2(J)
Dibromochloromethane	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
Ethylbenzene	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
Methyl Ethyl Ketone														
Methylene Chloride	<30	<12(J)	<6	<3	<6(J)	<3(J)	<3	<3	<3	<3	<15	<600	<3	<3
Styrene														
Tetrachloroethylene	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3(J)	<0.3(J)	<1.5	<60	<0.3	<0.3
Toluene	<6	<2.4(J)	<1.2	<0.6	<1.2	<0.6	<0.6	<0.6	<0.3	<0.3	<1.5	<60	<0.6	<0.6
Total Xylenes														
trans-1,2-Dichloroethylene	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
trans-1,3-Dichloropropylene	<15	<8(J)	<4(J)	<2	<3	<2	<2	<2	<2	<2	<7.5	<300	<2	<2(J)
Trichloroethylene	<3	<1.2	<0.6	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3
Trichlorofluoromethane	<3(J)	<1.2(J)	<0.6(J)	<0.3(J)	<0.6(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.5(J)	<60(J)	<0.3(J)	<0.3(J)
Vinyl Acetate														
Vinyl Chloride	<3	<1.2(J)	<0.6	<0.3	<0.6(J)	<0.3(J)	<0.3	<0.3	<0.3	<0.3	<1.5	<60	<0.3	<0.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S303 18.4 ft bls 88/09/19 BAC/ORG	S303 25.7 ft bls 88/09/19 BAC/ORG	S303 36.7 ft bls 88/09/19 BAC/ORG	S303 48 ft bls 88/09/19 BAC/ORG	S303 48.5 ft bls 88/09/19 E3/OEPA	S303 54.7 ft bls 88/09/19 BAC/ORG	S303 55.2 ft bls 88/09/19 BAC/FD	S303 8.4 ft bls 88/09/19 BAC/ORG	S303A 83.5 ft bls 88/10/27 BAC/ORG	S303A 88.1 ft bls 88/10/27 BAC/ORG	S303A 91.6 ft bls 88/10/27 BAC/ORG	S304 19.7 ft bls 88/10/26 BAC/ORG	S304 29.6 ft bls 88/10/26 BAC/ORG	S304 30.1 ft bls 88/10/26 BAC/FD
1,1,1-Trichloroethane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60(J)
1,1,2,2-Tetrachloroethane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
1,1,2-Trichloroethane	<20	<2	<2	<2	<0.63	<2	<2	<2	<2	<2	<2	<75	<300	<300
1,1-Dichloroethane	<3(J)	<0.3	<0.3	<0.3(J)	<0.63	<0.3(J)	<0.3(J)	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60
1,1-Dichloroethylene	<3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.63	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)
1,2-Dichlorobenzene	<3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
1,2-Dichloroethane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60
1,2-Dichloroethylene					<0.63									
1,2-Dichloropropane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
1,3-Dichlorobenzene	<3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
1,4-Dichlorobenzene	<3	<0.3	<0.3	<0.3		<0.3	<0.3	0.9	<0.3	<0.3	<0.3	<15	<60	<60
2-Chloroethylvinyl ether	<50	<5	<5	<5		<5	<5	<5	<5	<5	<5	<220	<900	<900
2-Hexanone					<1.3									
4-Methyl-2-Pentanone					<1.3									
Acetone	<30	<3	<3	<3	<1.3	<3	<3	<3	<6	<8(J)	<6	<300	<1200	<1200
Acrolein	<80(J)	<8(J)	<8(J)	<8(J)		<8(J)	<8(J)	<8(J)	<8(J)	<8(J)	<8(J)	<380(J)	<1500(J)	<1500(J)
Acrylonitrile	<30(J)	<3(J)	<3(J)	<3(J)		<3(J)	<3(J)	<3(J)	<3(J)	<3(J)	<3(J)	<150(J)	<600(J)	<600(J)
Benzene	<6	<0.6	<0.6	<0.6	<0.63	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<30	<120	<120
Bromodichloromethane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
Bromoform	<3	<0.3	<3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60(J)
Bromomethane	<3	<0.3(J)	<0.3(J)	<0.3	<1.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)
Carbon Disulfide					<0.63									
Carbon Tetrachloride	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60(J)
Chlorobenzene	130	8.6	2	1	0.3(J)	1.3	3.5	11	0.6	<0.3[EA]	<0.3[EA]	830	3700	3800
Chloroethane	<3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<1.3	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)
Chloroform	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60
Chloromethane	<20	<2(J)	<2(J)	<2	<1.3	<2	<2	<2	<2	<2(J)	<2	<75	<300	<300
cis-1,3-Dichloropropylene	<20	<2	<2	<2	<0.63	<2	<2	<2	<2(J)	<2	<2(J)	<75(J)	<300(J)	<300(J)
Dibromochloromethane	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
Ethylbenzene	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<15	<60	<60
Methyl Ethyl Ketone					<1.3									
Methylene Chloride	<30	<3(J)	<3(J)	<3	<0.63	<3	<3	<3	<3	<3(J)	<3	<150	<600	<600
Styrene					<0.63									
Tetrachloroethylene	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	0.5	<0.3	<0.3	<0.3	<15	<60	<60
Toluene	<6	<0.6	<0.6	<0.6	0.38(J)	<0.6	<0.6	<0.6	<0.6	<0.6	1(J)	<30	<120	<120
Total Xylenes					<0.63									
trans-1,2-Dichloroethylene	<3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60
trans-1,3-Dichloropropylene	<20(J)	<2(J)	<2(J)	<2(J)	<0.63	<2(J)	<2(J)	<2(J)	<2	<2	<2	<75	<300	<300
Trichloroethylene	<3	<0.3	<0.3	<0.3	<0.63	<0.3	<0.3	0.4	<0.3	<0.3	<0.3	<15	<60	<60
Trichlorofluoromethane	<3(J)	0.4(J)	0.4(J)	1.2(J)		<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<0.3(J)	<15(J)	<60(J)	<60(J)
Vinyl Acetate					<1.3									
Vinyl Chloride	<3	<0.3(J)	<0.3(J)	<0.3	<1.3	<0.3	<0.3	<0.3	<0.3	<0.3(J)	<0.3	<15	<60	<60

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S304 38.3 ft bls 88/10/26 BAC/ORG	S304 44.1 ft bls 88/10/26 BAC/ORG	S304 51.7 ft bls 88/10/26 BAC/ORG	S304 58.8 ft bls 88/10/26 BAC/ORG	S304 9.2 ft bls 88/10/26 BAC/ORG	S304A 78.3 ft bls 88/10/13 BAC/ORG	S304A 81 ft bls 88/10/13 BAC/ORG	S305 14.6 ft bls 88/09/26 BAC/ORG	S305 24.3 ft bls 88/09/26 BAC/ORG	S305 34.3 ft bls 88/09/26 BAC/ORG	S305 37 ft bls 88/09/28 BAC/ORG	S305 44.3 ft bls 88/09/28 BAC/ORG	S305 44.8 ft bls 88/09/26 BAC/FD	S305 54.3 ft bls 88/09/26 BAC/ORG
1,1,1-Trichloroethane	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120	<120	<120	<60(J)	<60(J)	<60	<120(J)	<600(J)	<120(J)
1,1,2,2-Tetrachloroethane	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,1,2-Trichloroethane	<200	<300	<2	<2	<750	<600	<600	<600	<300	<300	<300	<600	<3000	<600
1,1-Dichloroethane	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,1-Dichloroethylene	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)
1,2-Dichlorobenzene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,2-Dichloroethane	<30	<60(J)	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,2-Dichloroethylene														
1,2-Dichloropropane	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,3-Dichlorobenzene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
1,4-Dichlorobenzene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
2-Chloroethylvinyl ether	<500	<900	<5	<5	<2200	<1800	<1800	<1800	<900	<900	<900	<1800	<9000	<1800
2-Hexanone														
4-Methyl-2-Pentanone														
Acetone	<600	<1200(J)	<6	<6	<3000	<2400	<2400	<2400	<1200	<1200	<1200	<2400	<12000	<2400
Acrolein	<800(J)	<1500(J)	<8(J)	<8(J)	<3800(J)	<3000(J)	<3000(J)	<3000(J)	<1500(J)	<1500(J)	<1500(J)	<3000(J)	<15000(J)	<600(J)
Acrylonitrile	<300(J)	<600(J)	<3(J)	<3(J)	<1500(J)	<1200(J)	<1200(J)	<1200(J)	<600(J)	<600(J)	<600(J)	<1200(J)	<6000(J)	<1200(J)
Benzene	<60	<120	<0.6	<0.6	<300	<240	<240	<240	<120(J)	<120(J)	<120	<240(J)	<1200(J)	<240(J)
Bromodichloromethane	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
Bromoform	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120	<120	<120	<60	<60	<60	<120	<600	<120
Bromomethane	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)
Carbon Disulfide														
Carbon Tetrachloride	<30(J)	<60	<0.3(J)	<0.3(J)	<150(J)	<120	<120	<120	<60(J)	<60(J)	<60	<120(J)	<600(J)	<120(J)
Chlorobenzene	1900	4400	4.5(J)	1.5(J)	8200	4400	4800	6900(J)	2800(J)	4700(J)	2700(J)	5600(J)	7700(J)	6000(J)
Chloroethane	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)
Chloroform	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
Chloromethane	<200	<300(J)	<2	<2	<750	<600(J)	<600(J)	<600(J)	<300	<300	<300(J)	<600	<3000	<600
cis-1,3-Dichloropropylene	<200(J)	<300	<2(J)	<2(J)	<750(J)	<600	<600	<600	<300	<300	<300	<600	<3000	<600
Dibromochloromethane	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
Ethylbenzene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
Methyl Ethyl Ketone														
Methylene Chloride	<300	<600(J)	<3	<3(J)	<1500	<1200	<1200	<120	<60	<60	<60	<120	<600	<120
Styrene														
Tetrachloroethylene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
Toluene	<60	<120	<0.6	<0.6	<300	<240	<240	<240	<120	<120	<120	<240	<1200	<240
Total Xylenes														
trans-1,2-Dichloroethylene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60	<60	<60	<120	<600	<120
trans-1,3-Dichloropropylene	<200	<300	<2	<2	<750	<600(J)	<600(J)	<600(J)	<300(J)	<300(J)	<300(J)	<600(J)	<3000(J)	<600(J)
Trichloroethylene	<30	<60	<0.3	<0.3	<150	<120	<120	<120	<60(J)	<60(J)	<60	<120(J)	<600(J)	<120(J)
Trichlorofluoromethane	<30(J)	<60(J)	<0.3(J)	<0.3(J)	<150(J)	<120(J)	<120(J)	<120(J)	<60(J)	<60(J)	<60(J)	<120(J)	<600(J)	<120(J)
Vinyl Acetate														
Vinyl Chloride	<30	<60(J)	<0.3	<0.3	<150	<120(J)	<120(J)	<120	<60(J)	<60(J)	<60	<120(J)	<600(J)	<120(J)

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	S305 64.3 ft bls 88/09/26 BAC/ORG	S305 7.8 ft bls 88/09/26 BAC/ORG	S305 74.7 ft bls 88/09/26 BAC/ORG	S305 8.3 ft bls 88/09/26 CAL/DEPA	S305A 129.3 ft bls 88/10/17 BAC/ORG	S305A 73.2 ft bls 88/10/16 BAC/ORG	S305A 81.5 ft bls 88/10/16 BAC/ORG	S305A 90.9 ft bls 88/10/16 BAC/ORG	T033 10 ft bls 88/09/16 E3/OEPA	T033 9.5 ft bls 88/09/16 ATI/ORG	T034 1.5 ft bls 88/09/16 ATI/ORG	T034 2.5 ft bls 88/09/16 ATI/ORG	T034 3.5 ft bls 88/09/16 ATI/ORG	T034 4.5 ft bls 88/09/16 ATI/ORG
1,1,1-Trichloroethane	<0.3	<60(J)	<6	<0.82	<0.3	<6	<0.3(J)	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	<2	<300	<30	<0.82	<2	<30	<2	<7500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	<0.3	<60	<6		<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	<0.3(J)	<60(J)	<6(J)	<0.82	<0.3(J)	<6(J)	<0.3(J)	<1500(J)	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	<0.3	<60	<6		<0.3	<6	<0.3	<1500		<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethylene				<0.82					<0.75					
1,2-Dichloropropane	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	<0.3	<60	<6		<0.3	<6	<0.3	<1500(J)						
1,4-Dichlorobenzene	<0.3	<60	<6		<0.3	<6	<0.3(J)	<1500		<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloroethylvinyl ether	<5	<900	<90	<1.6	<5	<90	<5(J)	<22000		<0.5	<0.5	<0.5	<0.6	<0.5
2-Hexanone				<1.6					<1.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Methyl-2-Pentanone				<1.6					<1.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	<8(J)	<1200	<120	0.17(J)	<6	<120	<6(J)	<30000(J)	<1.5	<0.5	<0.5	<0.5	<0.6	<0.5
Acrolein	<8(J)	<1500(J)	<150(J)		<8(J)	<150(J)	<8(J)	<38000(J)						
Acrylonitrile	<3(J)	<600(J)	<60(J)		<3(J)	<60(J)	<3(J)	<15000(J)						
Benzene	<0.6	<120(J)	<12	<0.82	<0.6	<12	<0.6	<3000	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Bromodichloromethane	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500(J)	<0.75	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.3	<60(J)	<6(J)	<1.6	<0.3(J)	<6(J)	<0.3	<1500(J)	<1.5	<0.5	<0.5	<0.5	<0.6	<0.5
Carbon Disulfide				<0.82					<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	<0.3	<60(J)	<6	<0.82	<0.3	<6	<0.3(J)	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	9.8	1500(J)	370(J)	3.1	8	220	10	81000	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroethane	<0.3(J)	<60(J)	<6(J)	<1.6	<0.3(J)	<6(J)	<0.3(J)	<1500(J)	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Chloromethane	<2(J)	<300	<30(J)	<1.6	<2(J)	<30(J)	<2(J)	<7500	<1.5	<0.5	<0.6	<0.5	<0.6	<0.5
cis-1,3-Dichloropropylene	<2(J)	<300	<30	<0.82	<2	<30	<2(J)	<7500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	<0.3	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone				<1.6					<1.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	<3(J)	<60	<6	<0.82	<3	<60	<3	<15000	<0.75	<0.3	<0.3	<0.3	<0.3	<0.3
Styrene				<0.82					<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	<0.3(J)	<60	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	<0.6	<120	<12	<0.82	<0.6	<12	<0.6	<3000	0.58(J)	<0.05	0.13	<0.05	<0.05	<0.05
Total Xylenes				<0.82					<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	<0.3	<60	<6		<0.3	<6	<0.3	<1500		<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	<2(J)	<300(J)	<30(J)	<0.82	<2(J)	<30(J)	<2	<7500(J)	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	<0.3	<60(J)	<6	<0.82	<0.3	<6	<0.3	<1500	<0.75	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	<0.3(J)	<60(J)	<6(J)		<0.3(J)	<6(J)	<0.3(J)	<1500(J)						
Vinyl Acetate				<1.6					<1.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	<0.3(J)	<60(J)	<6	<1.6	<0.3(J)	<6(J)	<0.3	<1500	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T046 11.25 ft bls 88/09/13 ATI/ORG	T046 16.25 ft bls 88/09/13 ATI/ORG	T046 21.25 ft bls 88/09/13 ATI/ORG	T046 21.75 ft bls 88/09/13 EJI/OEPA	T046 26.25 ft bls 88/09/13 ATI/ORG	T046 30.75 ft bls 88/09/13 ATI/ORG	T046 31.25 ft bls 88/09/13 ATI/FD	T046 35.75 ft bls 88/09/13 ATI/ORG	T046 41.25 ft bls 88/09/13 ATI/ORG	T046 41.75 ft bls 88/09/13 EJI/OEPA	T046 45.75 ft bls 88/09/13 ATI/ORG	T046 51.25 ft bls 88/09/13 ATI/ORG	T046 55.75 ft bls 88/09/13 ATI/ORG	T046 60.75 ft bls 88/09/13 ATI/ORG
1,1,1-Trichloroethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethylene				<0.76						<0.76				
1,2-Dichloropropane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene														
1,4-Dichlorobenzene	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
2-Chloroethylvinyl ether	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5
2-Hexanone	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
4-Methyl-2-Pentanone	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
Acetone	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
Acrolein														
Acrylonitrile														
Benzene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Bromodichloromethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Bromoform	<0.3	<0.3	<0.3	<0.76	<0.3	<0.3	<0.3	<0.3	<0.3	<0.76	<0.3	<0.3	<0.3	<0.3
Bromomethane	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Chloroethane	<0.05	<0.05	<0.05	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<1.5	<0.05	<0.05	<0.05	<0.05
Chloroform	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Chloromethane	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	<0.3	<0.3	<0.3	<0.76	<0.3	<0.3	<0.3	<0.3	<0.3	<0.76	<0.3	<0.3	<0.3	<0.3
Styrene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Toluene	<0.05	<0.05	<0.05	0.6(J)	<0.05	<0.05	<0.05	<0.05	<0.05	0.5(J)	<0.05	<0.05	<0.05	<0.05
Total Xylenes	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.76	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane														
Vinyl Acetate	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	<0.05	<0.05	<0.05	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<1.5	<0.05	<0.05	<0.05	<0.05

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T052 11.25 ft bls 88/09/14 ATI/ORG	T052 16.25 ft bls 88/09/14 ATI/ORG	T052 2.5 ft bls 88/05/09 BAC/ORG	T052 21.25 ft bls 88/09/14 ATI/ORG	T052 26.25 ft bls 88/09/14 ATI/ORG	T052 31.25 ft bls 88/09/14 ATI/ORG	T052 31.75 ft bls 88/09/14 ATI/FD	T052 35.75 ft bls 88/09/14 ATI/ORG	T052 40.75 ft bls 88/09/14 ATI/ORG	T052 45.25 ft bls 88/09/14 ATI/ORG	T052 51.25 ft bls 88/09/14 ATI/ORG	T052 55.75 ft bls 88/09/14 ATI/ORG	T052 61.25 ft bls 88/09/14 ATI/ORG	T052 61.75 ft bls 88/09/14 ESI/OEPA
1,1,1-Trichloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,1,2,2-Tetrachloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,1,2-Trichloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,1-Dichloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,1-Dichloroethylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,2-Dichlorobenzene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
1,2-Dichloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,2-Dichloroethylene														<0.65
1,2-Dichloropropane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
1,3-Dichlorobenzene			<0.3											
1,4-Dichlorobenzene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
2-Chloroethylvinyl ether	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Hexanone	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
4-Methyl-2-Pentanone	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
Acetone	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
Acrolein			<3											
Acrylonitrile			<3											
Benzene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Bromodichloromethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.65
Bromomethane	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
Carbon Disulfide	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Carbon Tetrachloride	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Chlorobenzene	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Chloroethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3
Chloroform	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Chloromethane	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
cis-1,3-Dichloropropylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Dibromochloromethane	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Ethylbenzene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Methyl Ethyl Ketone	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.65
Styrene	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Tetrachloroethylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Toluene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.37(J)
Total Xylenes	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
trans-1,2-Dichloroethylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
trans-1,3-Dichloropropylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Trichloroethylene	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.65
Trichlorofluoromethane			<0.3											
Vinyl Acetate	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.3
Vinyl Chloride	<0.05	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

COMPOUND (MG/KG)	T064 10.25 ft bls 88/09/14 ATI/ORG	T064 13.25 ft bls 88/09/14 ATI/ORG	T064 16.25 ft bls 88/09/14 ATI/ORG	T064 19.25 ft bls 88/09/14 ATI/ORG	T064 19.75 ft bls 88/09/14 ATI/FD	T064 22.25 ft bls 88/09/14 ATI/ORG	T064 22.75 ft bls 88/09/14 EJI/OEPA
1,1,1-Trichloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,1,2,2-Tetrachloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,1,2-Trichloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,1-Dichloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,1-Dichloroethylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,2-Dichlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
1,2-Dichloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,2-Dichloroethylene							<0.74
1,2-Dichloropropane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
1,3-Dichlorobenzene							
1,4-Dichlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
2-Chloroethylvinyl ether	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Hexanone	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
4-Methyl-2-Pentanone	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
Acetone	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
Acrolein							
Acrylonitrile							
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Bromodichloromethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Bromoform	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.74
Bromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
Carbon Disulfide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Carbon Tetrachloride	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Chlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Chloroethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.5
Chloroform	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Chloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
cis-1,3-Dichloropropylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Dibromochloromethane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Methyl Ethyl Ketone	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.74
Styrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Tetrachloroethylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.63(J)
Total Xylenes	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
trans-1,2-Dichloroethylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
trans-1,3-Dichloropropylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Trichloroethylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.74
Trichlorofluoromethane							
Vinyl Acetate	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5
Vinyl Chloride	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.5

TABLE H.2
VOLATILE ORGANIC COMPOUNDS IN SOIL

NOTES: Soil samples analyzed for volatile organic compounds using EPA Method 8020, 8240, or 8260.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; numerical value is the limit of detection for this analysis

BAC = Brown & Caldwell
CAL = California Analytical
E3I = Energy & Env. Eng. INC.
RMAL = Rocky Mountain Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
FD = Field Duplicate Sample
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
[EA] = Estimated quantity due to accuracy goals not met.
[EH] = Estimated, due to exceeded holding time.
[EP] = Estimated quantity due to precision goals not met.

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/OEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	14D 9.5 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 8 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/DEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA
1,2,4-Trichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
1,2-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	17	<0.66	<0.33	<0.33	<0.66	<0.33
1,3-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
1,4-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	66	17	<0.66	<0.33	<0.33	<0.66	<0.33
2,4,5-Trichlorophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
2,4,6-Trichlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2,4-Dichlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2,4-Dimethylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2,4-Dinitrophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
2,4-Dinitrotoluene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2,6-Dinitrotoluene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2-Chloronaphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2-Chlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2-Methylnaphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2-Methylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
2-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
2-Nitrophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
3,3'-Dichlorobenzidine	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<26	<0.66	<130	<33	<1.3	<0.66	<0.66	<1.3	<0.66
3,4-Benzofluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
3-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
4,6-Dinitro-2-methylphenol	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
4-Bromophenyl phenyl ether	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
4-Chloroaniline	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
4-Chlorophenyl phenyl ether	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
4-Methylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
4-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
4-Nitrophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
Acenaphthene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Acenaphthylene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Aniline	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzidine	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<100	<2.6	<520	<130	<5.2	<2.6	<2.6	<5.2	<2.6
Benzo(a)anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzo(a)pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzo(b)fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzo(ghi)perylene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzo(k)fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Benzoic Acid	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
Benzyl Alcohol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Bis(2-chloroethoxy)methane	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/DEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	14D 9.5 ft bls 85/06/19 CAL/OEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 8 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/DEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA
Bis(2-chloroethyl) ether	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Bis(2-chloroisopropyl) ether	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Bis(2-ethylhexyl) phthalate	0.33(J)	<0.33	0.33(J)	0.33(J)	0.33(J)	<0.33	0.33(J)	<13	<0.33	<66	<17	<0.66	<0.33	0.33	<0.66	<0.33
Butyl benzyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	59	<0.66	<0.33	<0.33	<0.66	<0.33
Chrysene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Di-n-butyl phthalate	0.33(J)	0.33(J)	0.33(J)	<0.33	<0.33	0.33(J)	0.33(J)	<13	0.33(J)	<66	<17	<0.66	<0.33	0.33	<0.66	<0.33
Di-n-octyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Dibenzo(a,h)anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Dibenzofuran	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Diethyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Dimethylphthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Fluorene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Hexachlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Hexachlorobutadiene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Hexachlorocyclopentadiene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Hexachloroethane	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Indeno(1,2,3-cd) pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Isophorone	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
N-Nitrosodi-n-propylamine	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
N-Nitrosodiphenylamine	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Naphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Nitrobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
p-Chloro-m-cresol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Pentachlorophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<1.6	<320	<80	<3.2	<1.6	<1.6	<3.2	<1.6
Phenanthrene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Phenol	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33
Pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<0.33	<66	<17	<0.66	<0.33	<0.33	<0.66	<0.33

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA
1,2,4-Trichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	50	21	<20	<0.66	0.67	<0.33	<0.33	<33	<0.33	<6.6	<0.33
1,2-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	80	22	<20	<0.66	1.2	<0.33	<0.33	<33	<0.33	<6.6	<0.33
1,3-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	20	0.66	0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
1,4-Dichlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	180	42	<20	<0.66	<2.8	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2,4,5-Trichlorophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
2,4,6-Trichlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2,4-Dichlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2,4-Dimethylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2,4-Dinitrophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
2,4-Dinitrotoluene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2,6-Dinitrotoluene	0.68	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2-Chloronaphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2-Chlorophenol	<0.33	<0.33	<0.33	<0.33	<0.33	13	6.6	<20	<0.66	1.3	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2-Methylnaphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2-Methylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
2-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
2-Nitrophenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
3,3'-Dichlorobenzidine	<0.66	<0.66	<0.66	<0.66	<0.66	<26	<13	<40	<1.3	<1.3	<0.66	<0.66	<66	<0.66	<13	<0.66
3,4-Benzofluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
3-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
4,6-Dinitro-2-methylphenol	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
4-Bromophenyl phenyl ether	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
4-Chloroaniline	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
4-Chlorophenyl phenyl ether	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
4-Methylphenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
4-Nitroaniline	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
4-Nitrophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
Acenaphthene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Acenaphthylene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Aniline	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzidine	<2.6	<2.6	<2.6	<2.6	<2.6	<100	<52	<160	<5.2	<5.2	<2.6	<2.6	<260	<2.6	<52	<2.6
Benzo(a)anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzo(a)pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzo(b)fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzo(ghi)perylene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzo(k)fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Benzoic Acid	<1.6	<1.6	<1.6	<1.6	<1.6	64	<32	<96	3.2	3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
Benzyl Alcohol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Bis(2-chloroethoxy)methane	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA
Bis(2-chloroethyl) ether	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Bis(2-chloroisopropyl) ether	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Bis(2-ethylhexyl) phthalate	0.33(J)	0.33(J)	0.33(J)	0.33(J)	0.5(J)	<13	<6.6	<20	0.66(J)	<0.66	<0.33	0.35	<33	<0.33	<6.6	0.33(J)
Butyl benzyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Chrysene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Di-n-butyl phthalate	0.33(J)	<0.33	<0.33	0.33(J)	0.33(J)	13(J)	<6.6	20(J)	0.66(J)	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Di-n-octyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Dibenzo(a,h)anthracene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Dibenzofuran	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Diethyl phthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Dimethylphthalate	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Fluoranthene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Fluorene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Hexachlorobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Hexachlorobutadiene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Hexachlorocyclopentadiene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Hexachloroethane	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Indeno(1,2,3-cd) pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Isophorone	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
N-Nitrosdi-n-propylamine	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
N-Nitrosdiphenylamine	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Naphthalene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Nitrobenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
p-Chloro-m-cresol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Pentachlorophenol	<1.6	<1.6	<1.6	<1.6	<1.6	<64	<32	<96	<3.2	<3.2	<1.6	<1.6	<160	<1.6	<32	<1.6
Phenanthrene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Phenol	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33
Pyrene	<0.33	<0.33	<0.33	<0.33	<0.33	<13	<6.6	<20	<0.66	<0.66	<0.33	<0.33	<33	<0.33	<6.6	<0.33

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	35A 5 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA	35D 2 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA	35D 9.5 ft bls 85/06/18 CAL/OEPA	36D 4.5 ft bls 85/06/19 CAL/OEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 9.5 ft bls 85/06/19 CAL/OEPA	46D 10.5 ft bls 85/06/18 CAL/DEPA	46D 11 ft bls 85/06/18 CAL/OEPA	46D 5 ft bls 85/06/18 CAL/OEPA	ARTESIA ft bls 00/01/03 CAL/OEPA	VANNESS ft bls 00/01/03 CAL/OEPA
1,2,4-Trichlorobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
1,2-Dichlorobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
1,3-Dichlorobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
1,4-Dichlorobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2,4,5-Trichlorophenol	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
2,4,6-Trichlorophenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2,4-Dichlorophenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2,4-Dimethylphenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2,4-Dinitrophenol	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
2,4-Dinitrotoluene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2,6-Dinitrotoluene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2-Chloronaphthalene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2-Chlorophenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2-Methylnaphthalene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2-Methylphenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
2-Nitroaniline	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
2-Nitrophenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
3,3'-Dichlorobenzidine	<0.66	<0.66	<26	<26	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<1.3
3,4-Benzofluoranthene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
3-Nitroaniline	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
4,6-Dinitro-2-methylphenol	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
4-Bromophenyl phenyl ether	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
4-Chloroaniline	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
4-Chlorophenyl phenyl ether	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
4-Methylphenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
4-Nitroaniline	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
4-Nitrophenol	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
Acenaphthene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Acenaphthylene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Aniline	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Anthracene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzidine	<2.6	<2.6	<100	<100	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<5.2
Benzo(a)anthracene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzo(a)pyrene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzo(b)fluoranthene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzo(ghi)perylene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzo(k)fluoranthene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Benzoic Acid	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
Benzyl Alcohol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Bis(2-chloroethoxy)methane	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

COMPOUND (Milligrams per kilogram)	35A 5 ft bls 85/06/25 CAL/DEPA	35A 9.5 ft bls 85/06/25 CAL/DEPA	35D 2 ft bls 85/06/18 CAL/DEPA	35D 3.5 ft bls 85/06/18 CAL/DEPA	35D 9.5 ft bls 85/06/18 CAL/DEPA	36D 4.5 ft bls 85/06/19 CAL/DEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 8.5 ft bls 85/06/19 CAL/DEPA	46D 10.5 ft bls 85/06/18 CAL/DEPA	46D 11 ft bls 85/06/18 CAL/DEPA	46D 5 ft bls 85/06/18 CAL/DEPA	ARTESIA ft bls 00/01/03 CAL/DEPA	VANNESS ft bls 00/01/03 CAL/DEPA
Bis(2-chloroethyl) ether	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Bis(2-chloroisopropyl) ether	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Bis(2-ethylhexyl) phthalate	0.33(J)	0.33(J)	<13	<13	0.56	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.66
Butyl benzyl phthalate	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Chrysene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Di-n-butyl phthalate	<0.33	<0.33	<13	<13	<0.33	<0.33	0.33	0.33	0.33	<0.33	0.33	0.33	0.66
Di-n-octyl phthalate	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Dibenzo(a,h)anthracene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Dibenzofuran	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Diethyl phthalate	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Dimethylphthalate	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Fluoranthene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Fluorene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Hexachlorobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Hexachlorobutadiene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Hexachlorocyclopentadiene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Hexachloroethane	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Indeno(1,2,3-cd) pyrene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Isophorone	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
N-Nitrosdi-n-propylamine	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
N-Nitrosdiphenylamine	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Naphthalene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Nitrobenzene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
p-Chloro-m-cresol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Pentachlorophenol	<1.6	<1.6	<64	<64	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<3.2
Phenanthrene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66
Phenol	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.66
Pyrene	<0.33	<0.33	<13	<13	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.66

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC003 5.5 ft bls 86/05/01 VILO/OEPA	JC003 6 ft bls 86/05/01 VILO/DEPA	JC004 3.5 ft bls 86/05/01 VILO/SEPA	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA003 1 ft bls 86/05/06 VILO/OEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA004 5 ft bls 86/05/02 VILO/SEPA	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA006 2.75 ft bls 86/05/06 VILO/OEPA	LA006 5 ft bls 86/05/06 VILO/DEPA
(E)-2-Methyl-3-Heptene									0.25(J)					0.34(J)
1,1,2,2-Tetrachloroethane														
1,2,4-Trichlorobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
1,2-Dichlorobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
1,3-Dichlorobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
1,4-Dichlorobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
1-Propenyl-Benzene				0.23(J)			0.17(J)							
2,4'-DDE					0.6(J)									
2,4,5-Trichlorophenol	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
2,4,6-Trichlorophenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2,4-Dichlorophenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2,4-Dimethylphenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2,4-Dinitrophenol	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
2,4-Dinitrotoluene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2,6-Dinitrotoluene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2-Chloronaphthalene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2-Chlorophenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2-Methylnaphthalene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2-Methylphenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
2-Nitroaniline	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
2-Nitrophenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
3,3'-Dichlorobenzidine	<0.8	<1.6	<0.8	<0.76	<0.72	<0.72	<0.76	<0.76	<0.76	<0.74	<0.74	<0.76	<0.76	<0.74
3,4-Benzofluoranthene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Methanoen														
3-Nitroaniline	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
4,6-Dinitro-2-methylphenol	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
4-Bromophenyl phenyl ether	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
4-Chloroaniline	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
4-Chlorophenyl phenyl ether	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
4-Hydroxy-4-Methyl-2-Pentanone	29(J)	8.1(J)	23(J)	21(J)			60(J)	29(J)	9.4(J)	20(J)	2.7(J)	64(J)	30(J)	4.5(J)
4-Methyl-3-Penten-2-One	3.9(J)		3.4(J)		0.41(J)		4.7(J)	4(J)	0.25(J)		3.8(J)	5.5(J)		
4-Methylphenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.38	<0.38	<0.38	<0.38
4-Nitroaniline	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
4-Nitrophenol	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
Acenaphthene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.38	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Acenaphthylene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.38	<0.38	<0.38	<0.38
Aldol Condensation Product														
Anthracene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzene, 1,1-Sulfonylbis (4-Chloro-					0.35(J)									
Benzene,1,1-(Chloroethenylidene)					0.5(J)									
Benzeneacetic Acide, 4-Chloro-Alpha					1.8(J)									

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARM/RPT	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC003 5.5 ft bls 86/05/01 VILO/DEPA	JC003 6 ft bls 86/05/01 VILO/DEPA	JC004 3.5 ft bls 86/05/01 VILO/SEPA	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA003 1 ft bls 86/05/06 VILO/DEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA004 5 ft bls 86/05/02 VILO/SEPA	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA006 2.75 ft bls 86/05/06 VILO/DEPA	LA006 5 ft bls 86/05/06 VILO/DEPA
Benzo(a)anthracene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzo(a)pyrene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzo(b)fluoranthene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzo(ghi)perylene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzo(k)fluoranthene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzoic Acid	<1.98	<4	<2	<1.92	<1.8	<1.78	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
Benzyl Alcohol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Bis(2-chloroethoxy)methane	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Bis(2-chloroethyl) ether	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Bis(2-chloroisopropyl) ether	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Bis(2-ethylhexyl) phthalate	0.21(J)	<0.8	<0.4	0.13(J)	<0.36	<0.36	<0.38	<0.38	<0.38	0.5	<0.36	<0.38	<0.38	<0.38
Butyl benzyl phthalate	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Chlorinated Aromatic														
Chlorinated Cyclic Hydrocarbon														
Chloro Benzoyl Chloride														
Chlorobenzaldehyde Isomers														
Chlorobenzene														
Chlorophenol														
Chrysene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
DDD Isomer														
DDE Isomer Total														
DDT Isomer														
Di-n-butyl phthalate	<0.4	<0.8	<0.4	<0.38	0.038(J)	0.061(J)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Di-n-octyl phthalate	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	0.48	<0.36	<0.38	<0.38	<0.38
Dibenzo(a,h)anthracene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Dibenzofuran	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Dichloro(chloroethyl)benzene														
Dichlorobenzophenone														
Diethyl phthalate	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Dimethylphthalate	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Fluoranthene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Fluorene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Heptane, 2,3-Dimethyl					0.96(J)				0.61(J)					0.83(J)
Heptane, 4-(1-Methylethyl)-					2.1(J)				1.8(J)					2(J)
Hexachlorobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Hexachlorobutadiene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Hexachlorocyclopentadiene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Hexachloroethane	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Indeno(1,2,3-cd) pyrene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Isophorone	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Isopropyl Benzene	3.2(J)		2.9(J)	6.4(J)	4.7(J)		5.3(J)	3.9(J)	4.3(J)	4.6(J)		6.3(J)	5.2(J)	4.3(J)

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	JC001 3.75 ft bls 86/05/01 VILO/SEPA	JC003 5.5 ft bls 86/05/01 VILO/OEPA	JC003 6 ft bls 86/05/01 VILO/DEPA	JC004 3.5 ft bls 86/05/01 VILO/SEPA	LA001 1.5 ft bls 86/05/08 VILO/SEPA	LA001 3.75 ft bls 86/05/08 VILO/DSEP	LA002 1.5 ft bls 86/05/02 VILO/SEPA	LA002 2 ft bls 86/05/02 VILO/DSEP	LA003 1 ft bls 86/05/08 VILO/OEPA	LA003 2.75 ft bls 86/05/06 VILO/DEPA	LA004 5 ft bls 86/05/02 VILO/SEPA	LA005 2.75 ft bls 86/05/02 VILO/SEPA	LA006 2.75 ft bls 86/05/08 VILO/OEPA	LA006 5 ft bls 86/05/06 VILO/DEPA
N-Nitrosdi-n-propylamine	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
N-Nitrosdiphenylamine	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Naphthalene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Nitrobenzene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
o-Xylene/Ortho Xylene													0.15(J)	
Octane, 4-methyl-					1.4(J)									1.6(J)
p-Chloro-m-cresol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Pentachlorophenol	<1.98	<4	<2	<1.92	<1.8	<1.76	<1.9	<1.9	<1.88	<1.84	<1.84	<1.92	<1.92	<1.86
Phenanthrene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Phenol	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Pyrene	<0.4	<0.8	<0.4	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.38	<0.38
Benzene														
Sulfonated Substituted														
Sulfonyl Bis(chloro) benzene														
Tetrachlorophenol														
Toluene													1.2(J)	0.89(J)
Unknown (as appropriate w/method)	3.44(J)	8.7(J)	4.43(J)	12.51(J)	3.61(J)		7.196(J)	4.03(J)	4.5(J)	6.3(J)	8.31(J)	7.13(J)	4.48(J)	3.41(J)
Unknown DDT Isomer					6.9(J)									
Unknown DDT Metabolite										7.21(J)				
Unknown Hydrocarbon	3.3(J)	3.42(J)	3.31(J)	1.4(J)	0.53		1.15(J)	3.6(J)	0.7(J)	6.12(J)	2.14(J)	0.74(J)	5.05(J)	0.33(J)
Unknown PAH														
Unknown Pesticide					6.22(J)									
Unknown Siloxane														
Unknown Substituted Benzene		3.2(J)										0.17(J)		
Unknown Substituted PAH														

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	LA007 2.75 ft bls 86/05/06 VILO/OEPA	MD002 1 ft bls 86/04/30 VILO/OEPA	MD002 0.25 ft bls 86/04/30 VILO/OEPA	MD006 0.5 ft bls 86/04/29 VILO/OEPA	MD006 1.5 ft bls 86/04/29 VILO/OEPA	NS001 0.25 ft bls 86/05/20 VILO/OEPA	NS013 0.25 ft bls 86/05/20 VILO/OEPA	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 61 ft bls 86/09/26 RMAL/OEPA	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 51 ft bls 86/09/25 RMAL/OEPA	SP002 1.5 ft bls 86/05/08 VILO/RASE	T031 1.5 ft bls 86/05/08 VILO/DSEP
(E)-2-Methyl-3-Heptene	0.33(J)													
1,1,2,2-Tetrachloroethane											0.16			
1,2,4-Trichlorobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	0.12(J)	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
1,2-Dichlorobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	0.54	0.15(J)	0.99	<0.36	<0.35	<0.38	<0.4
1,3-Dichlorobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	0.089(J)	<0.36	<0.35	<0.38	<0.4
1,4-Dichlorobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	1.1	0.28(J)	6.4	<0.36	<0.35	<0.38	<0.4
1-Propenyl-Benzene														
2,4'-DDE														
2,4,5-Trichlorophenol	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
2,4,6-Trichlorophenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	0.45	0.21(J)	<0.35	<0.36	<0.35	<0.38	<0.4
2,4-Dichlorophenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	0.26(J)	0.17(J)	<0.35	<0.36	<0.35	<0.38	<0.4
2,4-Dimethylphenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
2,4-Dinitrophenol	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
2,4-Dinitrotoluene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
2,6-Dinitrotoluene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
2-Chloronaphthalene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
2-Chlorophenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	0.32(J)	0.64	0.34	0.067(J)	0.046(J)	<0.38	<0.4
2-Methylnaphthalene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	1.8	<0.44	<0.46	<0.35	<0.36	<0.36	<0.38	<0.4
2-Methylphenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
2-Nitroaniline	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
2-Nitrophenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
3,3'-Dichlorobenzidine	<0.72	<0.8	<0.76	<0.76	<0.74	<3.4	<1.38	<0.88	<0.93	<0.69	<0.72	<0.7	<0.78	<0.78
3,4-Benzofluoranthene	<0.38	<0.4	0.44	<0.38	<0.38	<1.68	0.61(J)	<0.44	<0.46	<0.35	<0.38	<0.35	<0.38	<0.4
Methanoan								0.8						
3-Nitroaniline	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
4,6-Dinitro-2-methylphenol	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
4-Bromophenyl phenyl ether	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
4-Chloroaniline	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
4-Chlorophenyl phenyl ether	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
4-Hydroxy-4-Methyl-2-Pentanone	4.6(J)	17(J)	19(J)	20(J)	57(J)	10								
4-Methyl-3-Penten-2-One	0.37(J)					0.97							3(J)	0.21(J)
4-Methylphenol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
4-Nitroaniline	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
4-Nitrophenol	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
Acenaphthene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	1.5	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Acenaphthylene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	0.42(J)	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Aldol Condensation Product														7.1(J)
Anthracene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	0.76	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzene, 1,1-Sulfonylbis (4-Chloro-														
Benzene,1,1-(Chloroethenylidene)														
Benzeneacetic Acide, 4-Chloro-Alpha														

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	LA007 2.75 ft bls 86/05/06 VILO/OEPA	MD002 1 ft bls 86/04/30 VILO/OEPA	MD002 3.25 ft bls 86/04/30 VILO/DEPA	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 1.5 ft bls 86/04/29 VILO/OEPA	NS001 0.25 ft bls 86/05/20 VILO/OEPA	NS013 0.25 ft bls 86/05/20 VILO/OEPA	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 61 ft bls 86/09/26 RMAL/OEPA	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 51 ft bls 86/09/25 RMAL/OEPA	SP002 1.5 ft bls 86/05/08 VILO/RASE	T031 1.5 ft bls 86/05/08 VILO/DSEP
Benzo(a)anthracene	<0.36	<0.4	0.32(J)	<0.38	<0.38	<1.68	0.61(J)	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzo(a)pyrene	<0.36	<0.4	0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzo(b)fluoranthene	<0.36	<0.4	0.44	<0.38	<0.38	<1.68	0.61(J)	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzo(ghi)perylene	<0.36	<0.4	1.1	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzo(k)fluoranthene	<0.36	<0.4	0.37(J)	<0.38	<0.38	<1.68	0.57(J)	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzoic Acid	<1.82	<2	<1.9	<1.9	<1.86	<8.4	<3.4	<2.1	<2.3	0.2(J)	<1.7	<1.7	<1.9	<1.86
Benzyl Alcohol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Bis(2-chloroethoxy)methane	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Bis(2-chloroethyl) ether	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Bis(2-chloroisopropyl) ether	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Bis(2-ethylhexyl) phthalate	<0.36	0.11(J)	<0.38	<0.38	<0.38	4.7	0.79	<0.44	0.14(J)	<0.35	0.059(J)	0.053(J)	<0.38	<0.4
Butyl benzyl phthalate	<0.36	<0.4	<0.38	<0.38	<0.38	0.97(J)	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Chlorinated Aromatic								13.58	1	46.49		0.14		
Chlorinated Cyclic Hydrocarbon										1.27				
Chloro Benzoyl Chloride								1.4						
Chlorobenzaldehyde Isomers								1.8	4.5	0.71				
Chlorobenzene									0.65					
Chlorophenol											0.2			
Chrysene	<0.36	<0.4	0.65	<0.38	<0.38	<1.68	2.3	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
DDD Isomer									1.8	115				
DDE Isomer Total										6				
DDT Isomer								16.22	29.55	84	11.84	9.66		
Di-n-butyl phthalate	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	0.076(J)
Di-n-octyl phthalate	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.04
Dibenzo(a,h)anthracene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Dibenzofuran	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	3.4	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Dichloro(chloroethyl)benzene								1.9		11				
Dichlorobenzophenone								12.8	5.5					
Diethyl phthalate	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Dimethylphthalate	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Fluoranthene	<0.36	<0.4	0.25(J)	<0.38	<0.38	<1.68	15	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Fluorene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	2.4	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Heptane, 2,3-Dimethyl	0.93(J)													0.3(J)
Heptane, 4-(1-Methylethyl)-	2(J)													1.1(J)
Hexachlorobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Hexachlorobutadiene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Hexachlorocyclopentadiene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Hexachloroethane	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	0.42	<0.36	<0.35	<0.38	<0.4
Indeno(1,2,3-cd) pyrene	<0.36	<0.4	0.57	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Isophorone	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Isopropyl Benzene	4.3(J)	6.2(J)	6.7(J)		6.8(J)									2.7(J)

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	LA007 2.75 ft bls 86/05/06 VILO/OEPA	MD002 1 ft bls 86/04/30 VILO/DEPA	MD002 0.25 ft bls 86/04/30 VILO/DEPA	MD006 0.5 ft bls 86/04/29 VILO/DEPA	MD006 1.5 ft bls 86/04/29 VILO/OEPA	NS001 0.25 ft bls 86/05/20 VILO/OEPA	NS013 0.25 ft bls 86/05/20 VILO/OEPA	S201 16 ft bls 86/09/26 RMAL/SEPA	S201 17 ft bls 86/09/26 RMAL/OEPA	S201 61 ft bls 86/09/26 RMAL/OEPA	S204 50 ft bls 86/09/25 RMAL/SEPA	S204 51 ft bls 86/09/25 RMAL/OEPA	SP002 1.5 ft bls 86/05/08 VILO/RASE	T031 1.5 ft bls 86/05/08 VILO/DSEP
N-Nitrosdi-n-propylamine	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
N-Nitrosdiphenylamine	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Naphthalene	<0.38	<0.4	<0.38	<0.38	<0.38	<1.68	2	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Nitrobenzene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
o-Xylene/Ortho Xylene														
Octane, 4-methyl-	1.5(J)													0.81(J)
p-Chloro-m-cresol	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Pentachlorophenol	<1.82	<2	<1.9	<1.9	<1.85	<8.4	<3.4	<2.1	<2.3	<1.7	<1.7	<1.7	<1.9	<1.96
Phenanthrene	<0.36	<0.4	<0.38	<0.38	<0.38	<1.68	23	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Phenol	<0.38	<0.4	<0.38	<0.38	<0.38	<1.68	<0.7	<0.44	<0.46	<0.35	<0.38	<0.35	<0.38	<0.4
Pyrene	<0.36	<0.4	0.21(J)	<0.38	<0.38	<1.68	8	<0.44	<0.46	<0.35	<0.36	<0.35	<0.38	<0.4
Benzene								11.76						
Sulfonated Substituted											0.18			
Sulfonyl Bis(chloro) benzene									4.3					
Tetrachlorophenol								0.8						
Toluene	0.91(J)													
Unknown (as appropriate w/method)	3.78(J)	13.23(J)	12.21(J)	6.8(J)	11.4(J)	33.01		28.6		81.8			9.32(J)	3.34(J)
Unknown DDT Isomer														0.72(J)
Unknown DDT Metabolite														
Unknown Hydrocarbon		1.6(J)	1.03(J)	5.99(J)		6.368							11.76(J)	
Unknown PAH			1.1(J)			2.3								
Unknown Pesticide														1.2(J)
Unknown Siloxane									1					
Unknown Substituted Benzene		0.42(J)	0.21(J)	2.2(J)	0.2(J)									
Unknown Substituted PAH				0.41(J)										

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	T031 3.25 ft bls 86/05/08 VILO/SEPA	T032 1 ft bls 86/05/08 VILO/SEPA	T032 3.75 ft bls 86/05/08 VILO/DEPA	T033 1.5 ft bls 86/05/08 VILO/SEPA	T033 3.75 ft bls 86/05/08 VILO/DSEP
(E)-2-Methyl-3-Heptene					
1,1,2,2-Tetrachloroethane					
1,2,4-Trichlorobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
1,2-Dichlorobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
1,3-Dichlorobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
1,4-Dichlorobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
1-Propenyl-Benzene					
2,4'-DDE					
2,4,5-Trichlorophenol	<1.94	<1.9	<1.98	<1.94	<1.94
2,4,6-Trichlorophenol	<0.38	<0.38	<0.4	<0.38	<0.38
2,4-Dichlorophenol	<0.38	<0.38	<0.4	<0.38	<0.38
2,4-Dimethylphenol	<0.38	<0.38	<0.4	<0.38	<0.38
2,4-Dinitrophenol	<1.94	<1.9	<1.98	<1.94	<1.94
2,4-Dinitrotoluene	<0.38	<0.38	<0.4	<0.38	<0.38
2,6-Dinitrotoluene	<0.38	<0.38	<0.4	<0.38	<0.38
2-Chloronaphthalene	<0.38	<0.38	<0.4	<0.38	<0.38
2-Chlorophenol	<0.38	<0.38	<0.4	<0.38	<0.38
2-Methylnaphthalene	<0.38	<0.38	<0.4	<0.38	<0.38
2-Methylphenol	<0.38	<0.38	<0.4	<0.38	<0.38
2-Nitroaniline	<1.94	<1.9	<1.98	<1.94	<1.94
2-Nitrophenol	<0.38	<0.38	<0.4	<0.38	<0.38
3,3'-Dichlorobenzidine	<0.76	<0.76	<0.78	<0.76	<0.78
3,4-Benzofluoranthene	<0.38(J)	<0.38	<0.4	<0.38	<0.38
Methanoen					
3-Nitroaniline	<1.94	<1.9	<1.98	<1.94	<1.94
4,6-Dinitro-2-methylphenol	<1.94	<1.9	<1.98	<1.94	<1.94
4-Bromophenyl phenyl ether	<0.38	<0.38	<0.4	<0.38	<0.38
4-Chloroaniline	<0.38	<0.38	<0.4	<0.38	<0.38
4-Chlorophenyl phenyl ether	<0.38	<0.38	<0.4	<0.38	<0.38
4-Hydroxy-4-Methyl-2-Pentanone					
4-Methyl-3-Penten-2-One				0.29(J)	
4-Methylphenol	<0.38	<0.38	<0.4	<0.38	<0.38
4-Nitroaniline	<1.94	<1.9	<1.98	<1.94	<1.94
4-Nitrophenol	<1.94	<1.9	<1.98	<1.94	<1.94
Acenaphthene	<0.38	<0.38	<0.4	<0.38	<0.38
Acenaphthylene	<0.38(J)	<0.38	<0.4	<0.38	<0.38
Aldol Condensation Product				8.5(J)	
Anthracene	<0.38	<0.38	<0.4	<0.38	<0.38
Benzene, 1,1-Sulfonylbis (4-Chloro-					
Benzene,1,1-(Chloroethenylidene)					
Benzeneacetic Acide, 4-Chloro-Alpha					

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	T031 3.25 ft bls 86/05/08 VILO/SEPA	T032 1 ft bls 86/05/08 VILO/SEPA	T032 3.75 ft bls 86/05/08 VILO/DEPA	T033 1.5 ft bls 86/05/08 VILO/SEPA	T033 3.75 ft bls 86/05/08 VILO/DSEP
Benzo(a)anthracene	<0.38(J)	<0.38	<0.4	<0.38	<0.38
Benzo(a)pyrene	<0.38	<0.38	<0.4	<0.38	<0.38
Benzo(b)fluoranthene	<0.38(J)	<0.38	<0.4	<0.38	<0.38
Benzo(ghi)perylene	<0.38	<0.38	<0.4	<0.38	<0.38
Benzo(k)fluoranthene	<0.38(J)	<0.38	<0.4	<0.38	<0.38
Benzoic Acid	<1.94	<1.9	<1.98	<1.94	<1.94
Benzyl Alcohol	<0.38	<0.38	<0.4	<0.38	<0.38
Bis(2-chloroethoxy)methane	<0.38	<0.38	<0.4	<0.38	<0.38
Bis(2-chloroethyl) ether	<0.38	<0.38	<0.4	<0.38	<0.38
Bis(2-chloroisopropyl) ether	<0.38	<0.38	<0.4	<0.38	<0.38
Bis(2-ethylhexyl) phthalate	<0.38	<0.38	<0.4	<0.38	<0.38
Butyl benzyl phthalate	<0.38	<0.38	<0.4	<0.38	<0.38
Chlorinated Aromatic					
Chlorinated Cyclic Hydrocarbon					
Chloro Benzoyl Chloride					
Chlorobenzaldehyde Isomers					
Chlorobenzene					
Chlorophenol					
Chrysene	<0.38	<0.38	<0.4	<0.38	<0.38
ODD Isomer					
DDE Isomer Total					
DDT Isomer					
Di-n-butyl phthalate	0.063	0.064(J)	0.056(J)	0.083(J)	0.076(J)
Di-n-octyl phthalate	<0.38	<0.38	<0.4	<0.38	<0.38
Dibenzo(a,h)anthracene	<0.38	<0.38	<0.4	<0.38	<0.38
Dibenzofuran	<0.38	<0.38	<0.4	<0.38	<0.38
Dichloro(chloroethyl)benzene					
Dichlorobenzophenone					
Diethyl phthalate	<0.38	<0.38	<0.4	<0.38	<0.38
Dimethylphthalate	<0.38	<0.38	<0.4	<0.38	<0.38
Fluoranthene	<0.38	<0.38	<0.4	<0.38	<0.38
Fluorene	<0.38	<0.38	<0.4	<0.38	<0.38
Heptane, 2,3-Dimethyl				0.69(J)	
Heptane, 4-(1-Methylethyl)-					
Hexachlorobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
Hexachlorobutadiene	<0.38	<0.38	<0.4	<0.38	<0.38
Hexachlorocyclopentadiene	<0.38	<0.38	<0.4	<0.38	<0.38
Hexachloroethane	<0.38	<0.38	<0.4	<0.38	<0.38
Indeno(1,2,3-cd) pyrene	<0.38	<0.38	<0.4	<0.38	<0.38
Isophorone	<0.38	<0.38	<0.4	<0.38	<0.38
Isopropyl Benzene				3.4(J)	

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

PARMRPT	T031 3.25 ft bls 86/05/08 VILO/SEPA	T032 1 ft bls 86/05/08 VILO/SEPA	T032 3.75 ft bls 86/05/08 VILO/DEPA	T033 1.5 ft bls 86/05/08 VILO/SEPA	T033 3.75 ft bls 86/05/08 VILO/DSEP
N-Nitrosdi-n-propylamine	<0.38	<0.38	<0.4	<0.38	<0.38
N-Nitrosdiphenylamine	<0.38	<0.38	<0.4	<0.38	<0.38
Naphthalene	<0.38	<0.38	<0.4	<0.38	<0.38
Nitrobenzene	<0.38	<0.38	<0.4	<0.38	<0.38
o-Xylene/Ortho Xylene					
Octane, 4-methyl-				1(J)	
p-Chloro-m-cresol	<0.38	<0.38	<0.4	<0.38	<0.38
Pentachlorophenol	<1.94	<1.9	<1.98	<1.94	<1.94
Phenanthrene	<0.38	<0.38	<0.4	<0.38	<0.38
Phenol	<0.38	<0.38	<0.4	<0.38	<0.38
Pyrene	<0.38	<0.38	<0.4	<0.38	<0.38
Benzene					
Sulfonated Substituted					
Sulfonyl Bis(chloro) benzene					
Tetrachlorophenol					
Toluene					
Unknown (as appropriate w/method)				3.67(J)	
Unknown DDT Isomer				0.44(J)	
Unknown DDT Metabolite					
Unknown Hydrocarbon				1.1(J)	
Unknown PAH					
Unknown Pesticide				0.78(J)	
Unknown Siloxane					
Unknown Substituted Benzene					
Unknown Substituted PAH					

TABLE H.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SOIL

NOTES: Soil samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; numerical value is the limit of detection for this analysis

CAL = California Analytical
RMAL = Rocky Mountain Analytical
VILO = Versar Inc.

DEPA = Duplicate EPA Sample
DSEP = Duplicate EPA Split Sample
OEPA = Original EPA Sample
RASE = Reanalysis of EPA split Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.

TABLE H.4
TRACE METALS IN SOIL

COMPOUND (MG/KG)	11D 4.5 ft bls 85/06/26 CAL/OEPA	11D 5 ft bls 85/06/26 CAL/OEPA	11D 9.5 ft bls 85/06/26 CAL/OEPA	12D 4.5 ft bls 85/06/25 CAL/DEPA	12D 5 ft bls 85/06/25 CAL/OEPA	12D 9 ft bls 85/06/25 CAL/OEPA	12D 9.5 ft bls 85/06/25 CAL/OEPA	13D 3.5 ft bls 85/06/25 CAL/OEPA	13D 9.5 ft bls 85/06/25 CAL/OEPA	14D 5 ft bls 85/06/19 CAL/OEPA	14D 9.5 ft bls 85/06/19 CAL/DEPA	15D 3.5 ft bls 85/06/19 CAL/OEPA	15D 9.5 ft bls 85/06/19 CAL/OEPA	16D 5 ft bls 85/06/19 CAL/OEPA	16D 9 ft bls 85/06/19 CAL/DEPA	16D 9.5 ft bls 85/06/19 CAL/OEPA	21D 3.5 ft bls 85/06/24 CAL/OEPA
Aluminum	16629	19182	18247	15103	22453	18896	32827	9390	21947	17359	21709	13610	18466	23276	15350	13587	15744
Antimony	<7.1	<7.1	<6.9	<6.9	<7.1	<6.6	<7.7	<7	<7.1	<7.1	<8	<14	<14	<7.1	<6.7	<6.5(J)	<7.1
Arsenic	<2.9	<2.9	<2.9	<2.9	<2.9	<2.7	<3.2	<2.9	<2.9	81(J)	78(J)	64(J)	75(J)	98(J)	67(J)	65(J)	<3
Barium	160	145	141	191	215	204	271	139	193	176(J)	219(J)	171(J)	199(J)	171(J)	122(J)	131(J)	120
Beryllium	<1.2	<1.5	<1.4	<0.3	<0.5	<0.4	<0.8	<0.3	<0.4	<1.1	<1.2	<1.7	<2	<2.1	<0.9	<1.6	<1.5
Cadmium	<1.1	<1.1	<1.1	<1.1	<1.1	<1	<1.2	<1.1	<1.1	12.1	<2.2	3.2	<1.1	<1.1	<1.1	<1	5.6
Calcium	5032	7671	5879	4380	5786	40621	13173	46198	6771	39329	52250	17605	44828	14488	5706	5576	5796
Chromium (total)	28	29	28	19	29	22	36	33	26	33	36	89	35	41	24	27	28
Cobalt	<12	<18	<17	<13	<14	<16	<24	<7	<17	<14	<16	<11	<18	<17	<15	<11	29
Copper	20	33	43	38	43	32	58	240	35	103	150	103	81	59	29	31	20
Cyanide	<2.2	<2.2	<2.1	<2.1	<2.2	<2	<2.4	<2.2	<2.2	<2.2(J)	<2.2(J)	<2.2(J)	<2.1(J)	<2.2(J)	<2.1(J)	<2(J)	<2.2
Iron	22965	28184	26144	20328	27094	25033	41462	14593	29500	25765	30727	23424	29730	34535	<7.2	23310	20964
Lead	6.1	6.3	5.5	9.2	6.1	5.7	7.7	224	5.8	435	8.3	344	8.3	9.1	5.9	4.6	12
Magnesium	8229	10476	8971	7090	7853	10418	15192	4391	11368	9218	12110	4301	9626	1471	7550	6967	7875
Manganese	409	634	548	539	472	535	764	363	515	477	633	616	746	433	424	397	1803
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.3	<0.2	0.6	0.1	0.5	<0.6	0.3	<0.6	<0.5	<0.2
Nickel	22	31	28	<9.2	23	<18	32	<9.3	23	21	<9.3	29	29	29	<8.9	<8.7	33
Potassium	3060	4383	5022	<2153	2554(E)	4189	5159(E)	<1353	5698(E)	2838	4029	<2314	4294	4092	3584	3951	2538
Selenium	<2.9	<2.9	<2.9	5.9	2.9	<2.7	<3.2	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.8	4.2	<3
Silver	<3.1	<3.8	<4.2	<1.9	<2	<1.8	<2.1	<1.9	<1.9	<2.9	<1.9	6.2	<4.5	5.5	<1.8	<4.1	<3.8
Sodium	<1704	<1916	<1741	<1318	<1460	<1665	2599	<1523	<1562	<2181(J)	2794(J)	<972(J)	<856(J)	<654(J)	<273(J)	<76(J)	3668
Thallium	<6	<6	<5.7	<5.7	<6	<5.5	<6.4	<5.8	<6	<6	<5.8	<5.8	<5.7	<6	<5.6	<5.4	<6
Tin	<10.6	<10.6	<10.3	<10.3	<10.8	<19	<11.5	<10.5	<10.6	<11	<10.5	<10.5	<10.3	<11	<10	<9.8	<10.7(J)
Vanadium	48.7	60.1	49.4	39.8	52.9	43.3	72.6	<19	50.2	49.9	58.2	44.2	63.3	69.4	47.8	47.4	46.5
Zinc	63	77	134	72	86	89	127	328	111	608	140	550	107	110	81	75	916

TABLE H.4
TRACE METALS IN SOIL

COMPOUND (MG/KG)	21D 9.5 ft bls 85/06/24 CAL/OEPA	22D 3.5 ft bls 85/06/26 CAL/OEPA	22D 9.5 ft bls 85/06/26 CAL/OEPA	23D 3.6 ft bls 85/06/25 CAL/OEPA	23D 9.5 ft bls 85/06/25 CAL/OEPA	24D 12.5 ft bls 85/06/25 CAL/OEPA	24D 18 ft bls 85/06/25 CAL/OEPA	24D 5 ft bls 85/06/25 CAL/OEPA	24D 6 ft bls 85/06/25 CAL/OEPA	24D 9.5 ft bls 85/06/25 CAL/OEPA	25A 5 ft bls 85/06/19 CAL/OEPA	25A 9.5 ft bls 85/06/19 CAL/OEPA	25D 4.5 ft bls 85/06/18 CAL/OEPA	25D 9.5 ft bls 85/06/18 CAL/OEPA	34D 5 ft bls 85/06/25 CAL/OEPA	34D 9.5 ft bls 85/06/25 CAL/OEPA	35A 5 ft bls 85/06/25 CAL/OEPA	35A 9.5 ft bls 85/06/25 CAL/OEPA
Aluminum	27548	17151	24518	21929	25663	12244	26628	11543	15894	19165	23459	19203	17118	18608	13223	25624	20929	30957
Antimony	<7.2	<7	<7.2	<7.1	<7.5	<7.5	<10	<7.3	<7.1	<7.1	<7.1	<7	<7.1	<11	<7.2	<11	<71	<10
Arsenic	<3	<2.9	<3	<2.9	<3.1	<3.1	<3	<3	<2.9	<2.9	79(J)	71(J)	69(J)	81(J)	<3(J)	<2.9	<2.9	6.1
Barium	234	193	260	214	214	235	153	169	200	185	223(J)	182(J)	220(J)	212(J)	168	229	210	243
Beryllium	<1.6	<1.5	<1.6	<0.6	<0.8	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<1.2	<1.9	<2	<0.4	<0.8	<0.9	<0.9
Cadmium	<1.1	<1.1	<1.1	<1.1	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	4.1	<1.1	6.9	<1.1	2.8	<1.1
Calcium	11488	11913	31163	6047	14425	3506	6451	7468	11165	7076	8441	7436	10724	6090	10687	8747	6747	18780
Chromium (total)	37	28	37	29	30	30	54	17	23	25	36	29	40	36	24	35	28	36
Cobalt	<20	<16	<20	<19	<19	<8	<16	<12	<14	<13	<18	<16	<15	<17	<11	<18	<17	<20
Copper	55	34	41	33	67	99	357	33	63	65	46	38	60	47	201	41	33	42
Cyanide	<2.2	<2.2	<2.2	<2.2	<2.3	<2.3	<2.3	<2.3	<2.2	<2.2	<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)	<2.2	<2.2	<2.2	<2.3
Iron	38259	24855	35428	30841	34194	20556	30171	14872	21106	24829	33582	26895	25941	29756	22536	32424	27712	39293
Lead	7.8	8	8.4	7.6	6.9	92	8.5	108	72	8.8	8.1	7.4	164	7.8	999	7.6	7.1	8.5
Magnesium	13283	10017	12464	13082	13306	5341	9726	5551	7806	8894	11782	9692	6318	8273	4784	12129	9218	14140
Manganese	677	560	777	573	533	197	277	609	596	302	608	755	592	685	686	627	660	593
Mercury	0.2	<0.2	0.2	0.1	0.1	3.6	0.3	26	0.6	0.2	0.2	<0.6	1.8	<0.6	1.1	0.6	0.52	0.2
Nickel	28	28	32	22	<20	<10	59	<9.8	21	<19	22	<18	34	30	25	26	<20	23
Potassium	6151	4069	5926	4111(E)	5573(E)	3228(E)	5482(E)	<2211	3092(E)	3796(E)	3664	4369	2825	3886	3115(E)	4641(E)	4274(E)	5498(E)
Selenium	<3	<2.9	<3	<2.9	<3.1	<3.1	<3	<3	<2.9	<2.9	<2.9	<2.9	5.8	<2.9	<3	<2.9	<2.9	<3.4
Silver	<3.5	<3.7	<4.2	<1.9	<2.1	<2.1	<2	<2	<1.9	<1.9	<1.9	<1.8	<4.8	<4.5	<3.5	<1.9	<1.9	<2
Sodium	2549	<1158	<1414	<1743	<2432	5131	5358	<2101	<1106	<1397	<245(J)	<45(J)	<615(J)	<533	<1433	<1829	<2221	<2125
Thallium	<6	<5.8	<6	<6	<6.3	<6.3	<6.1	<6.1	<6	<6	<6	<5.8	<8	<5.8	<6	<6	<6	<6.1
Tin	26(J)	<10.5(J)	25(J)	<10.6	<11.3	<11.3	<11	<10.8	<10.6	<10.6	<11	<10.5	<11	<10.5	<10.8	<10.6	<10.6	<1.1
Vanadium	70.5	54.2	68.1	61.7	57.6	31.3	47.3	26.5	37.3	46.7	67	51.7	58.3	64.8	43.5	57.3	57.1	65.6
Zinc	141	87	126	89	140	133	298	285	177	279	107	99	150	88	1160	99	197	119

TABLE H.4
TRACE METALS IN SOIL

COMPOUND (MG/KG)	35D 2 ft bls 85/06/18 CAL/OEPA	35D 3.5 ft bls 85/06/18 CAL/OEPA	35D 9.5 ft bls 85/06/18 CAL/OEPA	36D 4.5 ft bls 85/06/19 CAL/OEPA	36D 9 ft bls 85/06/19 CAL/DEPA	36D 9.5 ft bls 85/06/19 CAL/OEPA	46D 10.5 ft bls 85/06/18 CAL/DEPA	46D 11 ft bls 85/06/18 CAL/OEPA	46D 5 ft bls 85/06/18 CAL/OEPA	ARTESIA ft bls 85/06/19 CAL/OEPA	VANNESS ft bls 85/06/19 CAL/OEPA
Aluminum	15118	16685	17747	26518	16081	20017	19726	26494	21886	14832	11428
Antimony	<7.1	<7.1	<6.9	<7.1	<11	<7	<7.1	<7.2	<7.2	<6.1(J)	<7
Arsenic	83(J)	88(J)	60(J)	93(J)	70(J)	79(J)	77(J)	93(J)	83(J)	48	116
Barium	171(J)	208(J)	172(J)	266(J)	143(J)	190(J)	187(J)	244(J)	188(J)	173	152
Beryllium	<1.6	<1.7	<1.8	<1.8	<1.7	<1.7	<1.6	<1.9	<1.6	<0.9	<1
Cadmium	<2.3	5.7	<2.4	<1.1	<1.1	<1.1	<1.1	<1.1	3.7	<1	<1
Calcium	8041	12940	5357	5605	5708	7163	7149	9627	6446	8000	16057
Chromium (total)	56	49	32	39	29	38	32	41	34	31	25
Cobalt	<15	<13	<18	<18	<16	<15	<18	<21	<17	<13	<14
Copper	85	120	39	33	96	37	32	57	24	27	30
Cyanide	<2.2(J)	<2.2(J)	<2.1(J)	<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)	<2.2(J)	<1.9(J)	<1.9(J)
Iron	24788	26214	28672	33665	26372	29791	30178	39765	29675	24890	24990
Lead	228	498	6.4	7.9	6.5	6.9	8.4	9.7	9.5	0.1	52
Magnesium	5811	5915	8517	9465	7703	8860	8911	11343	8205	7276	8479
Manganese	735	715	480	526	773	406	466	669	669	384	334
Mercury	0.6	3.5	<0.8	<0.6	<0.6	0.1	<0.6	0.1	<0.6	0.4(J)	0.4
Nickel	27	26	<20	23	21	<17	25	33	<18	<8.2	23
Potassium	2849	3017	4237	3603	4140	4956	4583	5192	3530	4404(J)	<1999(J)
Selenium	<2.9	<3	<2.9	3.4	<2.9	<2.9	<3	<3	<3	<2.6	<2.6
Silver	5.3	5.7	<4.7	<3.2	<4.1	<4.1	<3.9	<3.4	<2.5	<1.7	<1.7
Sodium	<961(J)	<501(J)	<546(J)	<324(J)	<339(J)	<602(J)	<543(J)	<1884(J)	<572(J)	<536	3118
Thallium	<6	<6	<5.7	<6	<5.8	<5.8	<6	<6	<6	<5.1(J)	<5.2
Tin	<11	<11	<10.3	<11	<10.5	<10.5	<11	<11	<11	<9.2	<9.3
Vanadium	54.9	53.5	62.4	66.8	50.8	52.3	57.9	71.2	55.6	42.1	48.1
Zinc	430	723	92	88	168	97	93	129	536	94	84

TABLE H.4
TRACE METALS IN SOIL

NOTES: Soil samples analyzed for trace metal compounds using one or more of the following methods:

EPA-202.1
EPA-204.1
EPA-204.1
EPA-206.3
EPA-208.1
EPA-210.1
EPA-213.1
EPA-215.1
EPA-218.1
EPA-219.1
EPA-220.1
EPA-229.1
EPA-238.1
EPA-239.1
EPA-242.1
EPA-242.1
EPA-243.1
EPA-245.1
EPA-249.1
EPA-258.1
EPA-270.3
EPA-272.1
EPA-279.1
EPA-282.2
EPA-286.1
EPA-335.3

Sample heading provides the following information: Soil Boring Identifier, Sample Depth, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per kilogram
ft bls = Feet below land surface
< = Less than; numerical value is the limit of detection for this analysis

CAL = California Analytical

DEPA = Duplicate EPA Sample
OEPA = Original EPA Sample

(J) = Estimated: Qualitatively correct but quantitatively suspect.
(E) = Estimated: Analyte concentration exceeds the calibration range.

APPENDIX I

ANALYTICAL RESULTS OF SEDIMENT SAMPLES

APPENDIX I

ANALYTICAL RESULTS OF SEDIMENT SAMPLES

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I.3 BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SEDIMENT

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	BGS BGS-0.5 88/09/27 BAC/ORG	BGS BGS-0.5 88/09/27 BAC/RA	BGS BGS-2.0-2.5 86/09/03 CAL/OEPA	BGS BGS-2.5 88/09/27 BAC/ORG	BGS BGS-2.5 88/09/27 BAC/RA	BGS BGS-4.5 88/09/27 BAC/ORG	BGS BGS-4.5 88/09/27 BAC/RA	BGS BGS-6.2 88/09/27 BAC/ORG	BGS BGS-6.2 88/09/27 BAC/RA	BGS BGS-8.0 88/09/24 BAC/ORG	BGS BGS-8.0 88/09/27 BAC/RA	BGS DBGS-4.5 88/09/27 BAC/FD	BGS DBGS-4.5 88/09/27 BAC/RA	KD01 KD01 86/05/29 BAC/ORG	KD03 KD03 86/05/29 BAC/ORG
2,4'-DDD		<0.1	<0.0007		<5	<0.007	<1	<0.007	<1	<0.007	<5	<0.007	<1	<0.007	<1(J)	<0.1(J)
2,4'-DDE		<0.05	<0.0007		<2.5	<0.007	<0.5	<0.007	<0.5	<0.007	<2.5	<0.007	<0.5	<0.007	<1(J)	<0.1(J)
2,4'-DDT		<0.05	<0.0007		<2.5	<0.007	<0.5	<0.007	<0.5	<0.007	<2.5	<0.007	<0.5	<0.007	<3(J)	<0.3(J)
4,4'-DDD	<0.01[EH]	<0.1	0.0008	0.06(J)[EH]	<5	<0.007	<1	<0.007	<1	<0.007	<5	<0.007	<1	<0.007	10(NJB)	4.5(NJB)
4,4'-DDE	<0.01[EH]	<0.05	<0.0007	0.024(J)[EH]	<2.5	<0.007	<0.5	<0.007	<0.5	<0.007	<2.5	<0.007	<0.5	<0.007	16(NJB)	5.6(NJB)
4,4'-DDT	0.4[EH]	<0.05	0.0009	0.047(J)[EH]	<2.5	<0.007	<0.5	<0.007	<0.5	<0.007	<2.5	<0.007	<0.5	<0.007	33(NJB)	1.9(NJB)
Aldrin	<0.005[EH]			<0.14[EH]												
alpha-BHC	<0.005[EH]	<0.04	<0.0007	<0.14[EH]	<2	<0.007	<0.4	<0.007	<0.4	<0.007	<2	<0.007	<0.4	<0.007	<1(J)	<0.1(J)
Alpha-Chlordane				<1.4[EH]												
alpha-Endosulfan	<0.005[EH]			<0.14[EH]												
beta-BHC	<0.005[EH]	<0.04	<0.0007	<0.14[EH]	<2	<0.007	<0.4	<0.007	<0.4	<0.007	<2	<0.007	<0.4	<0.007	<1(J)	<0.1(J)
beta-Endosulfan	<0.01[EH]			<0.28[EH]												
Chlordane	1.6[EH]															
delta-BHC	<0.005[EH]	<0.04	<0.0007	<0.14[EH]	<2	<0.007	<0.4	<0.007	<0.4	<0.007	<2	<0.007	<0.4	<0.007	<1(J)	<0.1(J)
Dieldrin	<0.01[EH]			<0.28[EH]												
Endosulfan 1	<0.005[EH]			<0.14[EH]												
Endosulfan 2	<0.01[EH]			<0.28[EH]												
Endosulfan sulfate	<0.01[EH]			<0.28[EH]												
Endrin	<0.01[EH]			<0.28[EH]												
Endrin Ketone	<0.01[EH]			<0.28[EH]												
gamma-BHC	<0.005[EH]	<0.04	<0.0007	<0.14[EH]	<2	<0.007	<0.4	<0.007	<0.4	<0.007	<2	<0.007	<0.4	<0.007	<1(J)	<0.1(J)
Gamma-Chlordane				<1.4[EH]												
Heptachlor	<0.005[EH]			<0.14[EH]												
Heptachlor epoxide	<0.005[EH]			<0.14[EH]												
Methoxychlor	<0.01[EH]			<1.4[EH]												
PCB 1016	<0.051[EH]			<1.4[EH]												
PCB 1221	<0.051[EH]			<1.4[EH]												
PCB 1232	<0.051[EH]			<1.4[EH]												
PCB 1242	<0.051[EH]			<1.4[EH]												
PCB 1248	<0.051[EH]			<1.4[EH]												
PCB 1254	<0.1[EH]			<2.8[EH]												
PCB 1260	<0.1[EH]			<2.8[EH]												
Total BHC		<0.04	<0.0007		<2	<0.007	<0.4	<0.007	<0.4	<0.007	<2	<0.007	<0.4	<0.007	<1(J)	<0.1(J)
Total DDT		<0.1	0.0017		<5	<0.007	<1	<0.007	<1	<0.007	<5	<0.007	<1	<0.007	59(NJB)	12(NJB)
Toxaphene	<0.1[EH]			<2.8[EH]												

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	KD04 KD04 86/05/29 BAC/ORG	KD04 KD08 86/05/29 BAC/FD	KD05 KD05 86/05/29 BAC/ORG	KD07 KD07 86/05/29 BAC/ORG	SED06 SED06 86/05/29 BAC/ORG	SED07 SED07 86/05/29 BAC/ORG	SED08 SED08 86/05/29 BAC/ORG	SED09 SED09 86/05/29 BAC/ORG	SED10 SED10 86/05/30 BAC/ORG	SED10 SED30 86/05/30 BAC/FD	SED11 SED11 86/05/28 BAC/ORG	SED11 SED11 86/05/28 VILO/SEPA	SED12 SED12 86/05/30 BAC/ORG	SED13 SED13 86/05/30 BAC/ORG	SED13 SED13 86/05/30 VILO/DSEP
2,4'-DDD	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.1(J)		<0.01(R)	<0.1(R)	
2,4'-DDE	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.01(R)	<0.1(R)	
2,4'-DDT	<0.3(J)	<0.3(R)	<0.3(J)	<3(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(J)		<0.03(R)	<0.3(R)	
4,4'-DDD	4.5(NJB)	7.4(R)	4.1(NJB)	15(R)	0.05(R)	0.16(R)	0.22(R)	0.18(R)	0.21(R)	0.35(R)	0.41(NJB)	<0.016[EH]	0.24(R)	9.6(R)	0.65[EH]
4,4'-DDE	3.6(NJB)	1.6(R)	1.5(NJB)	11(R)	0.08(R)	0.24(R)	0.3(R)	0.24(R)	0.23(R)	0.3(R)	0.94(NJB)	<0.016[EH]	0.21(R)	2.7(R)	0.37[EH]
4,4'-DDT	3.9(NJB)	5.6(R)	0.4(NJB)	61(R)	0.11(R)	0.12(R)	0.69(R)	0.22(R)	0.8(R)	0.25(R)	0.81(NJB)	<0.016[EH]	0.18(R)	0.7(R)	<0.016[EH]
Aldrin												<0.0082[EH]			<0.008[EH]
alpha-BHC	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]
Alpha-Chlordane															
alpha-Endosulfan												<0.0082[EH]			<0.008[EH]
beta-BHC	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]
beta-Endosulfan												<0.016[EH]			<0.016[EH]
Chlordane												<0.016[EH]			<0.016[EH]
delta-BHC	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]
Dieldrin												<0.016[EH]			<0.016[EH]
Endosulfan 1												<0.0082[EH]			<0.008[EH]
Endosulfan 2												<0.016[EH]			<0.016[EH]
Endosulfan sulfate												<0.016[EH]			<0.016[EH]
Endrin												<0.016[EH]			<0.016[EH]
Endrin Ketone												<0.016[EH]			<0.016[EH]
gamma-BHC	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)	<0.0082[EH]	<0.01(R)	<0.1(R)	<0.008[EH]
Gamma-Chlordane															
Heptachlor												<0.0082[EH]			<0.008[EH]
Heptachlor epoxide												<0.0082[EH]			<0.008[EH]
Methoxychlor												<0.016[EH]			<0.016[EH]
PCB 1016												<0.082[EH]			<0.08[EH]
PCB 1221												<0.082[EH]			<0.08[EH]
PCB 1232												<0.082[EH]			<0.08[EH]
PCB 1242												<0.082[EH]			<0.08[EH]
PCB 1248												<0.082[EH]			<0.08[EH]
PCB 1254												<0.16[EH]			<0.16[EH]
PCB 1260												<0.16[EH]			<0.16[EH]
Total BHC	<0.1(J)	<0.1(R)	<0.1(J)	<1(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(J)		<0.01(R)	<0.1(R)	
Total DDT	12(NJB)	15(R)	6(NJB)	87(R)	0.24(R)	0.52(R)	1.2(R)	0.65(R)	1.2(R)	0.9(R)	2.2(NJB)		0.63(R)	13(R)	
Toxaphene												<0.16[EH]			<0.16[EH]

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	SED13 SED13 86/05/30 VILO/SEPA	SED14 SED14-25-60-COMPOSITE 86/06/11 BAC/ORG	SED14 SED37-25-60-COMPOSITE 86/06/11 BAC/FD	SED15 SED15-30-50-95-COMPOSITE 86/06/11 BAC/ORG	SED16 SED16-0-20-COMPOSITE 86/06/05 BAC/ORG	SED17 SED17-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED18-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED33-0-20-COMPOSITE 86/06/05 BAC/FD	SED19 SED19-0-20-COMPOSITE 86/06/04 BAC/ORG	SED19 SED30-0-20-COMPOSITE 86/06/04 BAC/FD
2,4'-DDD		<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
2,4'-DDE		<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
2,4'-DDT		<0.03(R)	<0.03(R)	<0.03(J)	<0.03	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)	<0.03(R)
4,4'-DDD	0.84[EH]	<0.01(R)	<0.01(R)	<0.01(J)	0.08	0.08(R)	0.08(R)	0.07(R)	0.08(R)	0.09(R)
4,4'-DDE	0.26[EH]	<0.01(R)	<0.01(R)	<0.01(J)	0.2	0.19(R)	0.18(R)	0.21(R)	0.16(R)	0.16(R)
4,4'-DDT	0.58[EH]	<0.03(R)	<0.03(R)	<0.03(J)	0.12	0.1(R)	0.14(R)	0.07(R)	0.12(R)	0.12(R)
Aldrin	<0.0077[EH]									
alpha-BHC	<0.0077[EH]	<0.01(R)	<0.01(R)	0.02(NJB)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
Alpha-Chlordane										
alpha-Endosulfan	<0.0077[EH]									
beta-BHC	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
beta-Endosulfan	<0.015[EH]									
Chlordane	<0.015[EH]									
delta-BHC	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
Dieldrin	<0.015[EH]									
Endosulfan 1	<0.0077[EH]									
Endosulfan 2	<0.015[EH]									
Endosulfan sulfate	<0.015[EH]									
Endrin	<0.015[EH]									
Endrin Ketone	<0.015[EH]									
gamma-BHC	<0.0077[EH]	<0.01(R)	<0.01(R)	<0.01(J)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
Gamma-Chlordane										
Heptachlor	<0.0077[EH]									
Heptachlor epoxide	<0.0077[EH]									
Methoxychlor	<0.015[EH]									
PCB 1016	<0.077[EH]									
PCB 1221	<0.077[EH]									
PCB 1232	<0.077[EH]									
PCB 1242	<0.077[EH]									
PCB 1248	<0.077[EH]									
PCB 1254	<0.15[EH]									
PCB 1260	<0.15[EH]									
Total BHC		<0.01(R)	<0.01(R)	0.02(NJB)	<0.01	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)	<0.01(R)
Total DDT		<0.03(R)	<0.03(R)	<0.03(J)	0.4	0.37(R)	0.4(R)	0.35(R)	0.38(R)	0.37(R)
Toxaphene	<0.15[EH]									

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	SED20 SED20-0-20-COMPOSITE 86/06/06 BAC/ORG	SED20 SED20-0-20-COMPOSITE 86/06/06 VILO/SEPA	SED21 SED21-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED35-0-20-COMPOSITE 86/06/06 BAC/FD	SED22 SED22-0-20-COMPOSITE 86/06/08 BAC/ORG	SED23 SED23-0-20-COMPOSITE 86/06/07 BAC/ORG	SED24 SED24-0-20-COMPOSITE 86/06/06 BAC/ORG	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA	SED25 SED25-0-20-COMPOSITE 86/06/07 BAC/ORG
2,4'-DDD	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)			<0.01(R)
2,4'-DDE	<0.01(J)		<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)			<0.01(R)
2,4'-DDT	<0.03(J)		<0.03(J)	<0.03(J)	<0.03(R)	<0.03(R)	<0.03(J)			<0.03(R)
4,4'-DDD	0.05(NJB)	0.32	0.06(NJB)	0.08(NJB)	<0.01(R)	0.01(R)	0.08(NJB)	0.24	0.26	<0.01(R)
4,4'-DDE	0.13(NJB)	0.31	0.16(NJB)	0.2(NJB)	<0.01(R)	<0.01(R)	0.18(NJB)	0.21(J)	0.26(J)	<0.01(R)
4,4'-DDT	0.14(NJB)	<0.023	0.15(NJB)	0.3(NJB)	<0.03(R)	0.03(R)	0.25(NJB)	<0.023	<0.023	<0.03(R)
Aldrin		<0.011						<0.011	<0.011	
alpha-BHC	0.02(NJB)	<0.011	0.06(NJB)	0.05(NJB)	<0.01(R)	<0.01(R)	0.05(NJB)	<0.011	<0.011	<0.01(R)
Alpha-Chlordane										
alpha-Endosulfan		<0.011						<0.011	<0.011	
beta-BHC	0.44(NJB)	<0.011	0.8(NJB)	1(NJB)	<0.01(R)	<0.01(R)	1(NJB)	<0.011	<0.011	<0.01(R)
beta-Endosulfan		<0.023						<0.023	<0.023	
Chlordane		<0.023						<0.023	<0.023	
delta-BHC	<0.01(J)	<0.011	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.011	<0.011	<0.01(R)
Dieldrin		<0.023						<0.023	<0.023	
Endosulfan 1		<0.011						<0.011	<0.011	
Endosulfan 2		<0.023						<0.023	<0.023	
Endosulfan sulfate		<0.023						<0.023	<0.023	
Endrin		<0.023						<0.023	<0.023	
Endrin Ketone		<0.023						<0.023	<0.023	
gamma-BHC	<0.01(J)	<0.011	<0.01(J)	<0.01(J)	<0.01(R)	<0.01(R)	<0.01(J)	<0.011	<0.011	<0.01(R)
Gamma-Chlordane										
Heptachlor		<0.011						<0.011	<0.011	
Heptachlor epoxide		<0.011						<0.011	<0.011	
Methoxychlor		<0.023						<0.023	<0.023	
PCB 1016		<0.11						<0.11	<0.11	
PCB 1221		<0.11						<0.11	<0.11	
PCB 1232		<0.11						<0.11	<0.11	
PCB 1242		<0.11						<0.11	<0.11	
PCB 1248		<0.11						<0.11	<0.11	
PCB 1254		<0.23						<0.23	<0.23	
PCB 1260		1.2						0.61	0.44	
Total BHC	0.46(NJB)		0.66(NJB)	1(NJB)	<0.01(R)	<0.01(R)	1(NJB)			<0.01(R)
Total DDT	0.32(NJB)		0.37(NJB)	0.58(NJB)	<0.03(R)	0.04(R)	0.41(NJB)			<0.03(R)
Toxaphene		<0.23						<0.23	<0.23	

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	SED25 SED36-0-20-COMPOSITE 88/06/07 BAC/FD	T01C T01C-0.5 88/09/02 BAC/ORG	T01C T01C-1.5 88/09/02 BAC/ORG	T03B T03B-0.5 88/09/02 BAC/ORG	T03B T03B-1.0-1.5 88/09/02 ACC/SEPA	T03B T03B-1.5 88/09/02 BAC/ORG	T03B T03B-2.4 88/09/02 BAC/ORG	T06A T06A-COMPOSITE 88/09/02 BAC/ORG	T06A T60A-COMPOSITE 88/09/02 BAC/FD	T07C T07C-0.5 88/09/02 BAC/ORG	T07C T07C-1.9 88/09/02 BAC/ORG	T09C T09C-COMPOSITE 88/09/03 ACC/DSEP
2,4'-DDD	<0.01(R)	<0.33	0.31	<0.17		<0.17	<0.17	<0.33	<0.33	<0.07	0.37	
2,4'-DDE	<0.01(R)	0.32	0.24	<0.08		0.17	0.11	<0.17	<0.17	0.1	0.09	
2,4'-DDT	<0.03(R)	<0.17	<0.08	<0.08		<0.08	<0.08	<0.17	<0.17	<0.1	<0.08	
4,4'-DDD	<0.01(R)	1.4	0.25	<0.17	1.3(J)	0.51	0.65	0.8	0.84	0.28	<0.17	1(J)
4,4'-DDE	<0.01(R)	0.39	0.12	<0.08	0.67(J)	0.2	<0.08	0.2	0.26	<0.03	<0.08	0.63(J)
4,4'-DDT	<0.03(R)	2	0.18	<0.08	0.87(J)	<0.08	<0.08	0.33	0.5	0.15	0.1	0.17(J)
Aldrin					<0.063(J)							<0.057(J)
alpha-BHC	<0.01(R)	<0.13	<0.07	<0.07	<0.063(J)	<0.07	<0.07	<0.13	<0.13	<0.03	<0.07	<0.057(J)
Alpha-Chlordane					0.26(J)							0.18(J)
alpha-Endosulfan					<0.063(J)							<0.057(J)
beta-BHC	<0.01(R)	<0.13	<0.07	<0.07	<0.063(J)	<0.07	<0.07	<0.13	<0.13	<0.03	<0.07	<0.057(J)
beta-Endosulfan					<0.13(J)							<0.11(J)
Chlordane												
delta-BHC	<0.01(R)	<0.13	<0.07	<0.07	<0.063(J)	<0.07	<0.07	<0.13	<0.13	<0.03	<0.07	<0.057(J)
Dieldrin					<0.13(J)							<0.11(J)
Endosulfan 1					<0.063(J)							<0.057(J)
Endosulfan 2					<0.13(J)							<0.11(J)
Endosulfan sulfate					<0.13(J)							<0.11(J)
Endrin					<0.13(J)							<0.11(J)
Endrin Ketone					<0.13(J)							<0.11(J)
gamma-BHC	<0.01(R)	<0.13	<0.07	<0.07	<0.063(J)	<0.07	<0.07	<0.13	<0.13	<0.03	<0.07	<0.057(J)
Gamma-Chlordane					0.18(J)							0.029(J)
Heptachlor					<0.063(J)							<0.057(J)
Heptachlor epoxide					<0.063(J)							<0.057(J)
Methoxychlor					<0.63(J)							<0.57(J)
PCB 1016					<0.63(J)							<0.57(J)
PCB 1221					<0.63(J)							<0.57(J)
PCB 1232					<0.63(J)							<0.57(J)
PCB 1242					<0.63(J)							<0.57(J)
PCB 1248					<0.63(J)							<0.57(J)
PCB 1254					<1.3(J)							<1.1(J)
PCB 1260					<1.3(J)							<1.1(J)
Total BHC	<0.01(R)	<0.13	<0.07	<0.07		<0.07	<0.07	<0.13	<0.13	<0.03	<0.07	
Total DDT	<0.03(R)	4.1	1.1	<0.17		0.88	0.76	1.3	1.7	0.53	0.56	
Toxaphene					<1.3(J)							<1.1(J)

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

COMPOUND (Milligrams per Kilogram)	T09C T09C-COMPOSITE 88/09/03 ACC/SEPA	T09C T09C-COMPOSITE 88/09/03 BAC/ORG	T09C T90C-COMPOSITE 88/09/03 BAC/FD	T13C T13C-0.5 88/09/01 BAC/ORG	T13C T13C-0.5-1.0 88/09/01 ACC/SEPA	T13C T13C-1.5 88/09/01 BAC/ORG	T14A T14A-0.7 88/09/01 BAC/ORG	T18C T18C-0.5 88/09/01 BAC/ORG	T18C T18C-1.5 88/09/01 BAC/ORG
2,4'-DDD		<0.33	<0.33	<0.33		<0.33	<0.33	<0.67	<0.33
2,4'-DDE		<0.17	<0.17	<0.17		<0.17	<0.17	<0.33	<0.17
2,4'-DDT		<0.17	<0.17	<0.17		<0.17	<0.17	<0.33	<0.17
4,4'-DDD	0.98	1.2	1.4	<0.33	0.58	<0.33	<0.33	<0.67	0.55
4,4'-DDE	0.38	0.39	0.41	<0.17	0.23	<0.17	<0.17	<0.33	<0.17
4,4'-DDT	0.75(J)	0.32	0.55	<0.17	0.045(J)	<0.17	<0.17	<0.33	<0.17
Aldrin	<0.057				<0.048				
alpha-BHC	<0.057	<0.13	<0.13	<0.13	<0.048	<0.13	<0.13	<0.27	<0.13
Alpha-Chlordane	0.13(J)				0.076(J)				
alpha-Endosulfan	<0.057				<0.048				
beta-BHC	<0.057	<0.13	<0.13	<0.13	<0.048	<0.13	<0.13	<0.27	<0.13
beta-Endosulfan	<0.11				<0.097				
Chlordane									
delta-BHC	<0.057	<0.13	<0.13	<0.13	<0.048	<0.13	<0.13	<0.27	<0.13
Dieldrin	<0.11				<0.097				
Endosulfan 1	<0.057				<0.048				
Endosulfan 2	<0.11				<0.097				
Endosulfan sulfate	<0.11				<0.097				
Endrin	<0.11				<0.097				
Endrin Ketone	<0.11				<0.097				
gamma-BHC	<0.057	<0.13	<0.13	<0.13	<0.048	<0.13	<0.13	<0.27	<0.13
Gamma-Chlordane	0.04(J)				0.049(J)				
Heptachlor	<0.057				<0.048				
Heptachlor epoxide	<0.057				<0.048				
Methoxychlor	<0.57(J)				<0.48(J)				
PCB 1016	<0.57				<0.48				
PCB 1221	<0.57				<0.48				
PCB 1232	<0.57				<0.48				
PCB 1242	<0.57				<0.48				
PCB 1248	<0.57				<0.48				
PCB 1254	<1.1				<0.97				
PCB 1260	<1.1				<0.97				
Total BHC		<0.13	<0.13	<0.13		<0.13	<0.13	<0.27	<0.13
Total DDT		1.9	2.4	<0.33		<0.33	<0.33	<0.67	0.55
Toxaphene	<1.1				<0.97				

TABLE I.1
ORGANOCHLORINE PESTICIDES IN SEDIMENT

NOTES: Sediment samples analyzed for organochlorine pesticide compounds using EPA Method 8080.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY.MM.DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per Kilogram
< = Less than; numerical value is the limit of detection for this analysis

ACC = Acurex Corp.
VILO = Versar Inc.
BAC = Brown & Caldwell
CAL = California Analytical

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(N) = Presumptive evidence for the presence of the analyte; tentative ID only.
(J) = Estimated: Qualitatively correct but quantitatively suspect.
(B) = Compound also found in associated blank, indicates possible blank contamination.
(R) = Unsatisfactory: Data unusable for any purpose.
[EH] = Estimated, due to exceeded holding time.

TABLE I.2
VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/OEPA	KD01 KD01 86/05/29 BAC/ORG	KD03 KD03 86/05/29 BAC/ORG	KD04 KD04 86/05/29 BAC/ORG	KD04 KD06 86/05/29 BAC/FD	KD05 KD05 86/05/29 BAC/ORG	KD07 KD07 86/05/29 BAC/ORG	SED06 SED06 86/05/29 BAC/ORG	SED07 SED07 86/05/29 BAC/ORG	SED08 SED08 86/05/29 BAC/ORG	SED09 SED09 86/05/29 BAC/ORG	SED10 SED10 86/05/30 BAC/ORG	SED10 SED30 86/05/30 BAC/FD	SED11 SED11 86/05/29 VILO/OEPA
1,1,1-Trichloroethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,1,2,2-Tetrachloroethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,1,2-Trichloroethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,1-Dichloroethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,1-Dichloroethylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,2-Dichlorobenzene		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	
1,2-Dichloroethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,2-Dichloropropane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
1,3-Dichlorobenzene		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	
1,4-Dichlorobenzene		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	
2-Chloroethylvinyl ether	<0.01[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.016[EH]
2-Hexanone	<0.01[EH]													<0.016[EH]
4-Methyl-2-Pentanone	<0.01[EH]													<0.016[EH]
Acetone	<0.01[EH]	<3	<3	<3	<3	3	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	<0.016[EH]
Acrolein		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	
Acrylonitrile		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3[EH]	<3[EH]	
Benzene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Bromodichloromethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Bromoform	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Bromomethane	<0.01[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.016[EH]
Carbon Disulfide	<0.005[EH]													<0.008[EH]
Carbon Tetrachloride	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Chlorobenzene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Chloroethane	<0.01[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.016[EH]
Chloroform	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Chloromethane	<0.01[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.016[EH]
cis-1,3-Dichloropropylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Dibromochloromethane	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Ethylbenzene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Methyl Acetate														
Methyl Ethyl Ketone	<0.01[EH]													<0.016[EH]
Methylene Chloride	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	0.009[EH]
Styrene	<0.005[EH]													<0.008[EH]
Tetrachloroethylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Tetramethylpentane														
Toluene	0.019[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Total Xylenes	<0.005[EH]						2							<0.008[EH]
trans-1,2-Dichloroethylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
trans-1,3-Dichloropropylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Trichloroethylene	<0.005[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.008[EH]
Trichlorofluoromethane		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	
w/method)														0.032(J)[EH]
Unknown Hydrocarbon														
Vinyl Acetate	<0.01[EH]													<0.016[EH]
Vinyl Chloride	<0.01[EH]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3[EH]	<0.3[EH]	<0.016[EH]

TABLE I.2
VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	SED11 SED11-31-62-85-COMPOSITE 86/05/28 BAC/ORG	SED12 SED12-35-85-135 COMPOSIT 86/05/30 BAC/ORG	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/RASE	SED13 SED13 86/05/30 VILO/RSED	SED13 SED13 86/05/30 VILO/SEPA	SED13 SED13-35-85-135-COMPOSIT 86/05/30 BAC/ORG	SED13 SED13-35-85-135-COMPOSIT 86/05/30 VILO/SEPA	SED14 SED14-25-60-COMPOSITE 86/06/11 BAC/ORG	SED14 SED37-25-60-COMPOSITE 86/06/11 BAC/FD	SED15 SED15-30-50-95-COMPOSITE 86/06/11 BAC/ORG
1,1,1-Trichloroethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene	<0.3[EH]	<0.3					<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene	<0.3[EH]	<0.3					<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]	<0.3					<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3	<0.162[EH]	<0.015	<0.162	<0.015[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Hexanone			<0.162[EH]	<0.015	<0.162	<0.015[EH]					
4-Methyl-2-Pentanone			<0.162(J)[EH]	<0.015	<0.162	<0.015(J)[EH]					
Acetone	5[EH]	<3	<0.162(J)[EH]	<0.015	<0.162	<0.015(J)[EH]	<3		<3[EH]	<3[EH]	<3[EH]
Acrolein	<3[EH]	<3					<3		<3[EH]	<3[EH]	<3[EH]
Acrylonitrile	<3[EH]	<3					<3		<3[EH]	<3[EH]	<3[EH]
Benzene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromoform	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromomethane	<0.3[EH]	<0.3	<0.162[EH]	<0.015	<0.162	<0.015[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Carbon Disulfide			<0.081[EH]	<0.008	<0.081	<0.008[EH]					
Carbon Tetrachloride	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroethane	<0.3[EH]	<0.3	<0.162[EH]	<0.015	<0.162	<0.015[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroform	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloromethane	<0.3[EH]	<0.3	<0.162[EH]	<0.015	<0.162	<0.015[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.3[EH]	<0.3	0.93(J)[EH]	0.12	0.89	0.12(J)[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Methyl Acetate											
Methyl Ethyl Ketone			<0.162[EH]	<0.015	<0.162	<0.015[EH]					
Methylene Chloride	<0.3[EH]	<0.3	<0.081(J)[EH]	<0.008	<0.081	<0.008(J)[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Styrene			<0.081[EH]	<0.008	<0.081	<0.008[EH]					
Tetrachloroethylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Tetramethylpentane		3									
Toluene	<0.3[EH]	<0.3	<0.081(J)[EH]	<0.008	<0.081	<0.008(J)[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Total Xylenes			0.31(J)[EH]	0.034	0.29	0.028(J)[EH]					
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.3[EH]	<0.3	<0.081[EH]	<0.008	<0.081	<0.008[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3					<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]
w/method)			0.81(J)[EH]					0.078(J)[EH]			
Unknown Hydrocarbon			0.84(J)[EH]					0.498(J)[EH]			
Vinyl Acetate			<0.162[EH]	<0.015	<0.162	<0.015[EH]					
Vinyl Chloride	<0.3[EH]	<0.3	<0.162[EH]	<0.015	<0.162	<0.015[EH]	<0.3		<0.3[EH]	<0.3[EH]	<0.3[EH]

TABLE I.2
VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	SED16 SED16-0-20-COMPOSITE 86/06/05 BAC/ORG	SED17 SED17-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED18-0-20-COMPOSITE 86/06/05 BAC/ORG	SED18 SED33-0-20-COMPOSITE 86/06/05 BAC/FD	SED19 SED19-0-20-COMPOSITE 86/06/04 BAC/ORG	SED19 SED30-0-20-COMPOSITE 86/06/04 BAC/FD	SED20 SED20 86/06/06 VILO/OEPA	SED20 SED20-0-20-COMPOSITE 86/06/06 BAC/ORG	SED20 SED20-0-20-COMPOSITE 86/06/06 VILO/OEPA	SED21 SED21-0-20-COMPOSITE 86/06/06 BAC/ORG	SED21 SED35-0-20-COMPOSITE 86/06/06 BAC/FD	SED22 SED22-0-20-COMPOSITE 86/06/09 BAC/ORG
1,1,1-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]		<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.024	<0.3[EH]	<0.024	<0.3[EH]	<0.3[EH]	<0.3[EH]
2-Hexanone							<0.024		<0.024			
4-Methyl-2-Pentanone							<0.024		<0.024			
Acetone	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]	0.07	<3[EH]	0.16(J)	<3[EH]	<3[EH]	<3[EH]
Acrolein	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3		<3[EH]		<3[EH]	<3[EH]	<3[EH]
Acrylonitrile	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3[EH]	<3		<3[EH]		<3[EH]	<3[EH]	<3[EH]
Benzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromoform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Bromomethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.024	<0.3[EH]	<0.024	<0.3[EH]	<0.3[EH]	<0.3[EH]
Carbon Disulfide							<0.012		<0.012			
Carbon Tetrachloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.024	<0.3[EH]	<0.024	<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloroform	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Chloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.024	<0.3[EH]	<0.024	<0.3[EH]	<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Methyl Acetate	7[EH]	3[EH]	3[EH]	4[EH]								
Methyl Ethyl Ketone							<0.024		<0.024			
Methylene Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Styrene							<0.012		<0.012			
Tetrachloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Tetramethylpentane												
Toluene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Total Xylenes							<0.012		<0.012			
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.012	<0.3[EH]	<0.012	<0.3[EH]	<0.3[EH]	<0.3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3		<0.3[EH]		<0.3[EH]	<0.3[EH]	<0.3[EH]
w/method)							0.028(J)					
Unknown Hydrocarbon												
Vinyl Acetate							<0.024		<0.024			
Vinyl Chloride	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3[EH]	<0.3	<0.024	<0.3[EH]	<0.024	<0.3[EH]	<0.3[EH]	<0.3[EH]

TABLE I.2
VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	SED23 SED23-0-20-COMPOSITE 86/06/07 BAC/ORG	SED24 SED24-0-20-COMPOSITE 86/06/06 BAC/ORG	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA	SED25 SED25-0-20-COMPOSITE 86/06/07 BAC/ORG	SED25 SED36-0-20-COMPOSITE 86/06/07 BAC/FD
1,1,1-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,1,2,2-Tetrachloroethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,1,2-Trichloroethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,1-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,1-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,2-Dichlorobenzene	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,2-Dichloroethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,2-Dichloropropane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
1,3-Dichlorobenzene	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
1,4-Dichlorobenzene	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
2-Chloroethylvinyl ether	<0.3[EH]	<0.3[EH]	<0.024	<0.023	<0.3[EH]	<0.3[EH]
2-Hexanone			<0.024	<0.023		
4-Methyl-2-Pentanone			<0.024	<0.023		
Acetone	<3[EH]	<3[EH]	<0.024	<0.023	<3[EH]	<3[EH]
Acrolein	<3[EH]	<3[EH]			<3[EH]	<3[EH]
Acrylonitrile	<3[EH]	<3[EH]			<3[EH]	<3[EH]
Benzene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Bromodichloromethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	1[EH]
Bromoform	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Bromomethane	<0.3[EH]	<0.3[EH]	<0.024	<0.023	<0.3[EH]	<0.3[EH]
Carbon Disulfide			<0.012	<0.012		
Carbon Tetrachloride	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Chlorobenzene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Chloroethane	<0.3[EH]	<0.3[EH]	<0.024	<0.023	<0.3[EH]	<0.3[EH]
Chloroform	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Chloromethane	<0.3[EH]	<0.3[EH]	<0.024	<0.023	<0.3[EH]	<0.3[EH]
cis-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Dibromochloromethane	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Ethylbenzene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Methyl Acetate						
Methyl Ethyl Ketone			<0.024	<0.023		
Methylene Chloride	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Styrene			<0.012	<0.012		
Tetrachloroethylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Tetramethylpentane						
Toluene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Total Xylenes			<0.012	<0.012		
trans-1,2-Dichloroethylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
trans-1,3-Dichloropropylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Trichloroethylene	<0.3[EH]	<0.3[EH]	<0.012	<0.012	<0.3[EH]	<0.3[EH]
Trichlorofluoromethane	<0.3[EH]	<0.3[EH]			<0.3[EH]	<0.3[EH]
w/method)			0.032(J)	0.046(J)		
Unknown Hydrocarbon						
Vinyl Acetate			<0.024	<0.023		
Vinyl Chloride	<0.3[EH]	<0.3[EH]	<0.024	<0.023	<0.3[EH]	<0.3[EH]

TABLE I.2
VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

NOTES: Sediment samples analyzed for volatile organic compounds using EPA Method 8240.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code.

MG/KG = Milligrams per Kilogram
< = Less than; numerical value is the limit of detection for this analysis.

VILO = Vorsar Inc.
BAC = Brown & Caldwell

DSEP = Duplicate Split EPA Sample
FD = Field Duplicate
OEPA = Original EPA Sample
ORG = Original Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.
|EH| = Estimated, due to exceeded holding time.

TABLE I.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/SEPA	SED11 SED11 86/05/28 VILO/OEPA	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA	SED20 SED20-0-20-COMPOSITE 86/06/06 VILO/SEPA	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA
1,2,4-Trichlorobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
1,2-Dichlorobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
1,3-Dichlorobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
1,4-Dichlorobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
2,4,5-Trichlorophenol	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
2,4,6-Trichlorophenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
2,4-Dichlorophenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
2,4-Dimethylphenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
2,4-Dinitrophenol	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
2,4-Dinitrotoluene	<1.7	<30	<30	<28	<4	<1.56	<3.8
2,6-Dinitrotoluene	<1.7	<30	<30	<28	<4	<1.56	<3.8
2-Chloronaphthalene	<1.7	<30	<30	<28	<4	<1.56	<3.8
2-Chlorophenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
2-Methylnaphthalene	<1.7	<30	<30	<28	<4	<1.56	<3.8
2-Methylphenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
2-Nitroaniline	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
2-Nitrophenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
3,3'-Dichlorobenzidine	<3.4	<60	<58	<58	<7.8	<3.2	<7.8
3,4-Benzofluoranthene	<1.7	<30	<30	<28	<4	<1.56	<3.8
3-Nitroaniline	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
4,6-Dinitro-2-methylphenol	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
4-Bromophenyl phenyl ether	<1.7	<30	<30	<28	<4	<1.56	<3.8
4-Chloroaniline	<1.7	<30	<30	<28	<4	<1.56	<3.8
4-Hydroxy-4-Methyl-2-Pentanone	13				70		62(J)
4-Methyl-2-Pentanone	0.8						
4-Methyl-3-Penten-2-One					5.7		4.8(J)
4-Methylphenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
4-Nitroaniline	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
4-Nitrophenol	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
Acenaphthene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Acenaphthylene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Anthracene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzo(a)anthracene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzo(a)pyrene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzo(b)fluoranthene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzo(ghi)perylene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzo(k)fluoranthene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Benzoic Acid	<8.4	<152	<146	<144	<19.6	<7.8	<19.4
Benzyl Alcohol	<1.7	<30	<30	<28	<4	<1.56	<3.8
Bis(2-chloroethoxy)methane	<1.7	<30	<30	<28	<4	<1.56	<3.8
Bis(2-chloroethyl) ether	<1.7	<30	<30	<28	<4	<1.56	<3.8
Bis(2-chloroisopropyl) ether	<1.7	<30	<30	<28	<4	<1.56	<3.8
Bis(2-ethylhexyl) phthalate	0.3(J)	<30	28(J)	12	29	30.3	34
Butyl benzyl phthalate	<1.7	<30	<30	<28	<4	1.3	<3.8
Chrysene	<1.7	<30	<30	<28	1.9(J)	1.1	<3.8
Di-n-butyl phthalate	<1.7	<30	<30	<28	<4	<1.56	<3.8
Di-n-octyl phthalate	<1.7	<30	<30	<28	<4	<1.56	<3.8
Dibenzo(a,h)anthracene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Dibenzofuran	<1.7	<30	<30	<28	<4	<1.56	<3.8
Diethyl phthalate	<1.7	<30	<30	<28	<4	<1.56	<3.8
Dimethylphthalate	<1.7	<30	<30	<28	<4	<1.56	<3.8
Fluoranthene	0.37(J)	<30	<30	<28	2.1(J)	1.6(J)	1.7(J)
Fluorene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Heptane, 4-(1-Methylethyl)-	0.59						
Hexachlorobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Hexachlorobutadiene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Hexachlorocyclopentadiene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Hexachloroethane	<1.7	<30	<30	<28	<4	<1.56	<3.8
Indeno(1,2,3-cd) pyrene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Isophorone	<1.7	<30	<30	<28	<4	<1.56	<3.8

TABLE I.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SEDIMENT

COMPOUND (MG/KG)	5-20-S-B 5-20-S-B 86/05/20 VILO/SEPA	SED11 SED11 88/05/28 VILO/OEPA	SED13 SED13 86/05/30 VILO/DSEP	SED13 SED13 86/05/30 VILO/SEPA	SED20 SED20-0-20-COMPOSITE 88/06/06 VILO/SEPA	SED24 SED24-15 86/06/06 VILO/DSEP	SED24 SED24-20 86/06/06 VILO/SEPA
N-Nitrosdi-n-propylamine	<1.7	<30	<30	<28	<4	<1.56	<3.8
N-Nitrosdiphenylamine	<1.7	<30	<30	<28	<4	<1.56	<3.8
Naphthalene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Nitrobenzene	<1.7	<30	<30	<28	<4	<1.56	<3.8
p-Chloro-m-cresol	<1.7	<30	<30	<28	<4	<1.56	<3.8
Pentachlorophenol	<5.4	<152	<146	<144	<19.6	<7.8	<19.4
Phenanthrene	<1.7	<30	<30	<28	<4	<1.56	<3.8
Phenol	<1.7	<30	<30	<28	<4	<1.56	<3.8
Pyrene	0.25(J)	<30	<30(J)	8.2	2.2(J)	1.3	<3.8
Unknown (as appropriate w/method)	7.39				30.5	35.11	23.6(J)
Unknown Hydrocarbon	26.28				45.7	9.01	56.6(J)

TABLE I.3
BASE/NEUTRAL ACID ORGANIC COMPOUNDS IN SEDIMENT

NOTES: Sediment samples analyzed for base/neutral acid organic compounds using EPA Method 8270.
Sample heading provides the following information: Sediment Sample location, Sample Identifier, Sample Date (YY,MM,DD), and Analytical Laboratory/Quality Assurance Code

MG/KG = Milligrams per Kilogram
< = Less than; Numerical value is the limit of detection for this analysis

VILO = Versar Inc.

DSEP = Duplicate Split EPA Sample
SEPA = Split samples analyzed by EPA

(J) = Estimated: Qualitatively correct but quantitatively suspect.

APPENDIX K

RESULTS OF FIELD SAMPLING, NORTHWEST CORNER OF
FORMER MONTROSE CHEMICAL PLANT,
LOS ANGELES COUNTY, CALIFORNIA
(Prepared by McLaren/Hart, Inc.
October 10, 1997)

*Disclaimer—The report is included for reference only. The results and conclusions presented in this report are not necessarily endorsed by the U.S. Environmental Protection Agency.

Prepared by:
McLaren/Hart
16755 Von Karman
Irvine, California 92606-4918

October 10, 1997

RESULTS OF FIELD SAMPLING
NORTHWEST CORNER OF
FORMER MONTROSE CHEMICAL PLANT
20201 NORMANDIE AVENUE
LOS ANGELES COUNTY, CALIFORNIA

McLaren Hart®
ENVIRONMENTAL ENGINEERING CORPORATION

Results of Field Sampling
Northwest Corner of Former Montrose Chemical Plant Los Angeles County, California

McLaren/Hart Project No. 03.0602750.001.008

October 10, 1997

Prepared for: **U.S. Environmental Protection Agency - Region IX, Superfund Enforcement Branch**
and
Montrose Chemical Corporation of California

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APPENDICES

Appendix A	Soil Sample Location Lithology Summary

EXECUTIVE SUMMARY

The former Montrose Chemical Plant, located at 20201 Normandie Avenue, Los Angeles County, California, is the site of a former pesticide manufacturing facility and is surrounded by other former and current industrial properties. Montrose manufactured dichlorodiphenyltrichloroethane (DDT) on the property from 1947 until the plant closed in mid-1982. The Montrose plant was demolished between June and August 1982. In April 1985, the entire property was graded and capped with asphalt and to minimize surface water infiltration and to prevent air or surface water transport of soil.

During the time period of 1985 through 1991, a site-wide Remedial Investigation was conducted in accordance with United States Environmental Protection Agency (EPA) Administrative Order of Consent, EPA Docket Number 85-04, and the results of the investigation were initially presented in a 1992 draft report prepared by Hargis + Associates, Inc. The report presented extensive soil sampling data generated by investigation by Hargis & Montgomery in 1983, Metcalf & Eddy in 1985 and Hargis + Associates in 1986. These field programs were conducted under strict quality assurance procedures and documentation. Subsequent to preparation of the 1992 draft Remedial Investigation report, the EPA and Montrose became aware of soil sampling information that had been generated by Stauffer Chemical Company (Stauffer) in 1983. The data were presented only in a summary table. No analytical data sheets, or chain-of-custody forms, sampling, description, or quality control information were included with the data summary table. Therefore, the data are viewed as undocumented qualitative results. The undocumented qualitative data indicated soils on the northwest corner of the property may have higher concentrations of DDT than reported in the 1992 Remedial Investigation report.

Despite concerns that the Stauffer data lacked standard quality assurance documentation regarding the sampling techniques used, criteria for sample location selection, chain-of-custody forms, analytical methodology, and laboratory data sheets, the information was incorporated in a 1996 revised Remedial Investigation report prepared by Hargis + Associates.

In 1995, the EPA requested that Montrose conduct a supplemental investigation to further characterize soil conditions in the northwest corner of the property. The specific objectives of this investigation were to:

- Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983;
- Evaluate soil chemical characteristics at specific historical property features;
- Evaluate soil chemical characteristics at former sampling points that revealed elevated DDT or hexachlorocyclohexane (BHC) concentrations from past sampling programs;
- Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property; and
- Screen for the potential presence of Volatile Organic Compounds (VOCs) in subsurface soils at the northwest corner of the property.

Soil samples were collected and analyzed using a combination of screening level immunoassay tests for DDT, Contract Laboratory Program (CLP) pesticide analyses, and CLP VOC analyses. Results of the northwest corner field investigation successfully completed the evaluation of on- and off-property soil conditions. The screening level immunoassay tests for DDT provide qualitative ranges of results compared to the quantitative result provided by the CLP analyses. Discussions of the data related to the specific investigation objectives are presented below.

Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983

Evaluation of CLP pesticide and immunoassay results from grid samples collected in the area of the former Stauffer sampling points indicate that DDT is present in this area, but at significantly lower levels than indicated by the undocumented qualitative data reported by Stauffer. Results of ten CLP pesticide analyses showed total DDT concentrations ranging from 9.9 to 7,620 milligrams per kilogram (mg/kg). The results of 48 screening level DDT immunoassay tests were consistent with the CLP pesticide results and were typically within the ranges of 0-10 mg/kg to 1,000-10,000 mg/kg DDT, with only one result greater than 10,000 mg/kg DDT. Immunoassay results indicated that the highest DDT concentrations are in surface soils and that DDT concentrations in subsurface soils are typically below 100 mg/kg.

Results of soil sampling in this area indicate that the data reported by Stauffer in 1983, which suggested DDT concentrations up to 710,000 mg/kg were present, are not representative of current soil conditions.

Evaluate soil chemical characteristics at specific historical property features

These areas include a possible material storage area located along the western property boundary and a former machine shop. Sampling in these areas indicate that DDT is present, but at lower levels than indicated by information reported by Stauffer in 1983.

Eight grid sampling points were located in the possible material storage area. Results of four CLP pesticide analyses showed total DDT concentrations ranging from 9.9 to 4,150 mg/kg. The results of 9 screening level DDT immunoassay tests were consistent with the CLP pesticide results and were within the ranges of 0-10 mg/kg to 1,000-10,000 mg/kg DDT. Immunoassay results indicated that the highest DDT concentrations are in surface soils and that DDT concentrations in subsurface soils are typically below 100 mg/kg. These concentrations are significantly lower than the DDT concentrations found during the 1983 investigations conducted in this area by both Stauffer and Hargis & Montgomery before the site was graded and capped in 1985.

For 11 on-property grid point confirmation soil samples analyzed for CLP pesticides, only one sample showed a positive detection (61 mg/kg) of total BHC.

Four locations were sampled at two depths in the vicinity of the former machine shop. Surface soil samples had DDT concentrations ranging from 213 to 6,060 mg/kg while subsurface samples had DDT concentrations ranging from 0.65 to 36 mg/kg. The range of DDT concentrations detected are significantly lower than the maximum concentration of 110,000 mg/kg reported by Stauffer in this area. Only one positive detection of total BHC (250 mg/kg) was reported in the eight samples.

Evaluate soils at former sampling points that revealed elevated DDT or BHC levels inside the former "trash dike", "salvage area" and "junk yard"

Four locations were sampled at two depths at the "trash dike" and the area immediately north of the former "trash dike", where material may have been stored in the past. Surface soil samples had DDT concentrations of 0.72, 2.9, 283, and 1,017 mg/kg while subsurface samples had DDT concentrations ranging from 0.39 to 8.1 mg/kg. Only one detection of total BHC (0.414 mg/kg) was reported in the eight samples. DDT

concentrations detected in samples collected from the "trash dike" area were consistent with the results of sampling previously completed.

Four locations were sampled at two depths at the "salvage area". Surface soil samples had DDT concentrations ranging from 1.44 to 499 mg/kg while subsurface samples had DDT concentrations ranging from 1.24 to 3.35 mg/kg. Only one detection of total BHC (0.021 mg/kg) was reported in the eight samples collected. DDT concentrations detected in samples collected from the "salvage area" area were generally lower than the results of sampling previously completed in this area.

Four locations were sampled at two depths at the former "junk yard". Surface soil samples had DDT concentrations of 0.47, 5.05, 2,100, and 2,298 mg/kg while subsurface samples had DDT concentrations ranging from 0.3 to 17.5 mg/kg. No positive detections of BHC were reported in the eight samples collected from the former "junk yard". Soil samples collected in the area of the "junk yard" indicate that DDT is present at lower levels than reported by Stauffer in 1983.

Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property

For the off-property area to the north, DDT concentrations were not found above 10 mg/kg in any samples.

For the off-property area to the west, seven of eight CLP pesticide analyses showed total DDT concentrations within a range of 1.1 to 34.4 mg/kg and one sample had a concentration of 124.2 mg/kg DDT. Of the 28 samples screened using the immunoassay test, only 7 samples had DDT concentrations greater than 10 mg/kg. Of these seven samples, four were also analyzed by the CLP pesticide method and showed DDT concentrations less than 20 mg/kg. No positive detections of BHC were found in off-property grid samples analyzed by CLP pesticide methodology.

For the two locations sampled adjacent to a previous Hargis + Associates sampling point (MD6) located in the southwest off-property area, surface samples contained 0.99 mg/kg and 27.8 mg/kg DDT while subsurface DDT concentrations were below detection limit. The samples previously collected by Hargis + Associates had DDT concentrations ranging from 0.08 to 1.05 mg/kg. BHC was detected in only one of four of these samples at a concentration of 0.031 mg/kg. A result of 0.715 mg/kg BHC in this area was previously reported by Hargis + Associates.

Screen for the potential presence of VOCs in subsurface soils at the northwest corner of the property

The CLP VOC results did not indicate a pattern of chemical detections that would suggest a specific on-property VOC source area. Although chlorobenzene was the primary VOC detected in on-property soils, its occurrence was sporadic across the area with the concentrations ranging from nondetectable to 3.7 mg/kg. Samples collected from the former historical use areas did not have significant VOC concentrations.

In summary, results of the investigation have successfully completed characterization of chemical presence in soil at the northwest corner of the Montrose facility and at the adjacent off-property area. No further investigation is recommended.

1.0 INTRODUCTION

The former Montrose Chemical Plant (Property), located at 20201 Normandie Avenue, Los Angeles County, California, (Figure 1) is the site of a former pesticide manufacturing facility. Montrose manufactured dichlorodiphenyltrichloroethane (DDT) on the property from 1947 until the plant closed in mid-1982. The Montrose plant was demolished between June and August 1982. In April 1985, the entire property was graded and capped with asphalt to minimize surface water infiltration and to prevent air or surface water transport of soil.

During the time period of 1985 through 1991, a site-wide Remedial Investigation was conducted in accordance with United States Environmental Protection Agency (EPA) Administrative Order of Consent, EPA Docket Number 85-04, and the results of the investigation were initially presented in a 1992 draft report prepared by Hargis + Associates, Inc. The draft RI report contained data for the northwest corner of the Property from sampling conducted by Hargis & Montgomery in 1983, Metcalf & Eddy in 1985, and Hargis + Associates in 1986.

Subsequent to the remedial investigation field sampling work, the EPA and Montrose became aware of soil sampling information that had been generated by Stauffer Chemical Company (Stauffer) in 1983. The data were presented only in a summary table. No analytical data sheets, chain-of-custody forms, sampling description, or quality control information were included with the data summary table. Therefore, the Stauffer data are considered as undocumented qualitative results. Despite concerns that the Stauffer data lacked standard quality assurance documentation, the information was incorporated in a 1996 revised Remedial Investigation report prepared by Hargis + Associates.

In response to an EPA request to conduct supplemental soil sampling in the vicinity of the northwest corner of the Property, a Field Sampling Plan (FSP) was prepared in conjunction with the Quality Assurance Project Plan (QAPP) for this investigation (McLaren/Hart, 1996). Together, they compose the Sampling and Analysis Plan (SAP). The program specified in the SAP was subsequently modified in accordance with the EPA's conditional approval delineated in their November 26, 1996 letter to Montrose (EPA, 1996). A summary of the site history and details of the sampling rationale were presented in the SAP.

This document was prepared as a supplement to the RI report for the Property and presents information on current soil conditions in the northwest corner of the Property.

The specific objectives of this investigation were to:

- Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983;
- Evaluate soil chemical characteristics at specific historical property features;
- Evaluate soils at former sampling points that revealed elevated DDT or BHC levels;
- Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property; and
- Screen for the potential presence of VOCs in subsurface soils in the northwest corner area of the property.

Using DDT as the primary indicator chemical, samples were analyzed by screening level immunoassay tests for DDT which were then confirmed by Contract Laboratory Program (CLP) pesticide analyses performed on a representative number of samples. Additional CLP pesticide and VOC analyses were conducted to meet specific project objectives.

This report is presented in six sections, including this Introduction (Section 1). The remaining sections are listed below:

Section 2. Investigation Approach and Methods;
Section 3. Results of Chemical Analyses;
Section 4. Quality Assurance/Quality Control Evaluation;
Section 5. Summary and Conclusions; and
Section 6. References

2.0 INVESTIGATION APPROACH AND METHODS

This section presents the investigation rationale, describes the number and type of samples collected, and discusses the methods/protocols for the investigation. Sampling locations utilized by prior investigations and the locations of soil samples collected for this investigation are shown on Figure 2. A summary of the areas sampled, the sampling locations and frequency, and the analyses performed is presented in Table 1.

A portion of the sampling locations were intended to evaluate soil conditions at locations sampled by Stauffer in 1983 or at areas where elevated concentrations of DDT have been previously reported. These locations are identified as "biased point" samples on Figure 2. The sampling information provided by Stauffer included a location map and summary table. Therefore, to locate the former Stauffer sampling points, the northwest fence corner (Property boundary corner) was used as the reference point for retracing the Stauffer sampling grid. By aligning the northwest corner of the Stauffer sampling grid with the northwest corner of the Property fence line, biased point sample locations were positioned relative to the Stauffer sample locations . All other sampling locations were laid out on a grid pattern and are referred to as "grid point" samples on Figure 2.

The site was regraded and capped with asphalt in April 1985 after the Stauffer soil investigation was conducted. This may have altered up to 3 feet of soil in portions of the northwest corner of the Property. A description of the property grading and rationale for the selected sampling depths is presented in the SAP. Hence, samples taken at similar depths below grade prior to and after 1985 are not necessarily comparable.

2.1 INVESTIGATION APPROACH

A total of 54 locations were sampled as part of the on-property and off-property soil investigation. Descriptions of the sample analyses, sampling rationale, and samples collected are presented below.

2.1.1 Analytical Methods

Soil samples were analyzed using CLP pesticide/PCB method, CLP VOC method, and EnviroGard™ DDT immunoassay testing. Relevant method references, quantitation limits, and QC elements for the analyses performed were presented in the project QAPP (McLaren/Hart, 1996). Samples were submitted for analysis as listed in Table 1. The analytical plan was designed to use the DDT immunoassay tests to qualitatively screen a large number of soil samples

on an accelerated turnaround time to assess the extent and concentration range of DDT in the northwest corner soils. A representative number of duplicate CLP pesticide analyses were performed to quantitatively evaluate DDT concentrations.

The EnviroGard™ DDT immunoassay method is a qualitative or semi-quantitative test for the detection of DDT, its metabolites DDD and DDE, and other structurally similar compounds in soil (reference to immunoassay results includes the sum of DDT and all its metabolites). The immunoassay test will not differentiate between DDT, its metabolites, and other structurally similar compounds. However, the method allows for rapid screening of DDT at a minimum detection level range of 0.2, 1.0, and 10.0 mg/kg. The method may be adjusted for higher quantitation limits by dilution of the soil extracts.

The method produces a visual colorimetric or photometric result that indicates whether the DDT concentration of the extract is above or below the three minimum quantitation limits indicated above. The results of an undiluted extract will indicate whether the sample contains DDT at concentrations less than 0.2 mg/kg, between 0.2 and 1.0 mg/kg, between 1.0 and 10.0 mg/kg, or greater than 10.0 mg/kg. For samples that need to be diluted to bring them within the method quantitation limits, the concentration ranges will increase proportionally. For example, an extract that is diluted 100 fold will fall within the ranges: 1) of less than 20 mg/kg, 2) between 20 and 100 mg/kg, 3) between 100 and 1000 mg/kg, or 4) greater than 1000 mg/kg. Therefore, as the concentration of DDT found in samples increases, the resolution of the concentration ranges decreases.

The CLP pesticide and CLP VOC methods provide results in specific concentrations. In addition, a rigorous set of quality control procedures and documentation requirements are incorporated into these methods. Therefore, the CLP results are the highest quality data and are considered more reliable than the immunoassay results.

In conjunction with soil logging procedures, headspace screening for VOCs was conducted using a photoionization detector (PID). The headspace screening was performed on portion of each sample collected for laboratory analysis as described later in Section 2.3.5.1. Samples that showed positive headspace VOC readings were submitted to the laboratory for volatiles analysis by CLP VOC method.

2.1.2 On-Property and Off-Property Grid Point Screening and Confirmation Sampling Locations

Sampling was conducted at 22 on-property locations (SB-1 through SB-22) for immunoassay screening analysis on a grid pattern as shown on Figure 2. Four north-south oriented rows of sampling points (spaced 50 feet apart) were located 10, 60, 110 and 160 east of the western border of the Property. This sampling grid covered the area previously sampled by Stauffer and the possible material stockpile area at the western property boundary as shown on Figure 2.

For the off-property portion of the investigation, 32 locations (SB-23 through SB-54) were sampled for immunoassay screening analysis within a 30-foot wide perimeter outside the north and the west property boundaries. Sample locations were placed on a grid pattern consisting of two rows 10 and 30 feet outward from the Property boundary with samples taken on 50-foot intervals. Two exceptions to this plan, as specified in the SAP, were required. Location SB-35 was moved north about 25 feet and location SB-36 was moved north about 15 feet due to the presence of material stored on McDonnell Douglas' property.

The western off-property area has been graded for storage by McDonnell Douglas and graded soil is stockpiled west of the extreme northwest corner of the Property. Therefore, to evaluate the soil in this stockpile four samples (SB-25A through SB-25D) were collected from the stockpile for screening analyses.

Regarding sampling depths at each location, the uppermost soil sample was taken at varying depths below the surface due to the presence of various surface covers as noted below:

- The combined asphalt surface thickness and road base thickness for on-property locations was approximately 1 foot. The road base consisted mainly of gravel with little to no fines.

- The surface of the western off-property locations consisted of both bare soil (SB-23 through SB-32) and a tar and gravel surface (SB-33 through SB-36). The tar and gravel surface was approximately 2 inches thick.

- The surface of the northern off-property locations consisted of both railroad ballast (even numbered locations SB-38 through SB-54) and an asphalt paved drainage swale (odd numbered locations SB-37 through SB-53). The railroad ballast was approximately 1.5 feet thick and the asphalt/roadbase surface in the northern off-property area was approximately 1 foot thick.

To accommodate the varying asphalt and road base thicknesses, the soil surface samples were collected from the first 6-inch interval below the asphalt and road base, railroad ballast, or tar and gravel surfaces. The subsurface soil samples were collected at 2.5 to 3.0 feet below the surface samples. For the samples collected from the McDonnell Douglas' stockpile (SB-25A through SB-25D), the sampling consisted of composite samples collected at the surface and 1.5 feet below surface.

An immunoassay test for DDT was performed on each sample collected from SB-1 through SB-54. Confirmation samples were analyzed by CLP pesticide methodology at a rate of approximately 20 percent of the samples analyzed by immunoassay testing.

2.1.3 Biased Point Sampling Locations

A description of the areas selected for biased point sampling is contained in the SAP and the areas are shown on Figure 2. The descriptions were derived from aerial photograph review and other documentation. All biased point samples were submitted for CLP pesticide analysis only. No immunoassay analysis was performed.

Former "Junk Yard"

An area formerly known as the "junk yard" is located in the extreme northwest corner of the property. A soil sample collected from a trench located along the southern perimeter of the former "junk yard" at a depth of one-foot by Stauffer in 1983 reportedly contained a DDT concentration of 710,000 mg/kg. Other soil samples collected by Stauffer in this area contained DDT concentrations of 31,000 and 4,100 mg/kg. As previously discussed, the Stauffer data are considered undocumented qualitative results.

For this investigation, two soil sampling points (SB-57 and SB-58) were located approximately 5 feet east and west of the estimated location of the Stauffer sample that reportedly contained 710,000 mg/kg DDT, as shown on Figure 2. Two additional biased point sampling locations (SB-55 and SB-56) were also located in this area.

Following the same convention established for the grid locations to account for the various surface covers, soil samples were collected from each location from the soil surface below the asphalt and road base and at 2.5 to 3.0 feet below the surface sample. These sample depths correspond roughly to the depths of the Stauffer samples. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Vicinity of Former Machine Shop

Two soil samples were collected at depths of 3 and 5 feet from a trench or pit just east of the former machine shop by Stauffer in 1983. The undocumented qualitative Stauffer data showed concentrations of DDT at 110,000 and 520 mg/kg.

For this investigation, two soil sampling points (SB-61 and SB-62) were located approximately 5 feet east and west of the Stauffer sampling location. Two soil sampling points (SB-59 and SB-62) were also located 25 feet north and south of the Stauffer sample point as shown on Figure 2. Samples in the vicinity of the former machine shop were collected at 1.0 to 1.5 and 3.0 to 3.5 feet below the asphalt surface and road base to roughly correspond with the depths the Stauffer samples. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Former "Salvage Area"

An area formerly known as the "salvage area" is a 215 foot by 145 foot area located on the eastern side of the northwest corner of the property. Review of historical aerial photographs indicate materials and possible containers were stored in this area between 1941 and 1980. Six soil samples were collected from three locations within this area by Hargis & Montgomery in 1983. Two surface samples contained DDT at concentrations of 6,800 and 58 mg/kg. Deeper samples, collected from depths of 1.5, 2.0, 3.0, and 4.5 feet, had DDT concentrations of 120, 2.4, 1.3, and 1.3 mg/kg, respectively.

For this investigation, four soil sample points were located within the area of the former "salvage" area, as shown on Figure 2. The sample points were targeted at locations of features observed on the aerial photographs. One sample point (SB-64) was located near a former depression, one sample location (SB-66) was located in the vicinity of a former above ground tank, and two sample locations (SB-63 and SB-65) were in the western portion of the "salvage" area where materials and equipment appeared to have been stored.

Soil samples were collected from each sample point at the soil surface and at 2.5 to 3.0 feet below the asphalt surface and road base. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Former "Trash Dike" and Vicinity

An area formerly known as the "trash dike" is a 45-foot by 50-foot feature located in the southern area of the northwest corner of the Montrose property. Review of historical aerial photographs indicate that this area was first used in 1952 and that materials were intermittently stored in the area until 1980. A location adjacent to the southeast corner of the "trash dike" was sampled by Metcalf & Eddy in 1985. DDT was detected at a concentration of 821 mg/kg at the 1-foot sampling depth and at a concentration of 2,359 mg/kg at the 1.5-foot sampling depth. Samples collected from depths of 2.5 feet to 9.0 feet (in 0.5-foot increments) were all below the detection limits.

For this investigation, two sample points (SB-69 and SB-70) were located within the former "trash dike", and two sample points (SB-67 and SB-68) were located in the area north of the "trash dike" as shown on Figure 2.

Soil samples were collected from each location at 6-inches below the soil surface and 2.5 to 3.0 feet below the asphalt surface and road base. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Boring MD6

Boring MD6 was sampled by Hargis and Associates on April 29, 1986. The boring was located near the southwest boundary of the property. A sample collected from the depth interval of 0 to 0.5 feet had a BHC concentration of 0.715 mg/kg.

For this investigation, two sample points (SB-71 and SB-72) were located approximately 10 feet from location MD6 as shown on Figure 2. Soil samples were collected from each location at the soil surface and at 2.5 to 3.0 feet below the tar and gravel surface. Soil samples collected from both sample points were submitted for CLP pesticide analysis.

VOC Sampling

Soil samples were also collected at selected bias point locations for analysis of volatiles by CLP VOC methodology. Based on aerial photograph reviews of historical operations, sample from sample points SB-55, -57, -59, -60, -64, -66, -68, -69, and -72 were analyzed for the presence of VOCs. In addition, headspace screening during collection of surface samples at SB-7, SB-14, and SB-18 indicated the potential presence of VOCs; therefore, these samples were also analyzed by CLP VOC methodology.

2.2 QUALITY CONTROL SAMPLES

Quality Control samples were submitted in accordance with the program presented in the QAPP (McLaren/Hart, 1996). The QC samples were submitted for analysis by the field team to meet the following QC sample frequencies:

- Equipment rinse blanks - one per day of sampling per analysis type collected (CLP pesticides and VOCs);
- CLP replicate samples - one per 20 samples collected per analysis type (CLP pesticides and VOCs);
- Immunoassay replicate samples - one per 10 samples analyzed;
- Immunoassay matrix spikes - one per 20 samples analyzed;
- CLP matrix spike/matrix spike duplicate (MS/MSD) samples - one per 20 samples collected per analysis type (CLP pesticides and VOCs); and
- Trip blanks - one per ice chest shipped containing VOC soil samples.

Equipment rinse blanks consisted of the final de-ionized rinse water (HPLC-grade organic free water) from the decontamination procedure (see Section 2.4.3, Equipment Decontamination). Replicate samples were collected by homogenizing the sample in the field and splitting the soil volume into two or more soil containers. Trip blanks consisted of laboratory grade certified pure water prepared by the laboratory.

2.3 FIELD METHODOLOGY

Descriptions of specific procedures and associated equipment used for completing the field investigation are summarized in this section. The following procedures are described:

- Sample Collection;
- Equipment Decontamination;
- Disposal of Contaminated Materials;
- Field Measurement Procedures;
- Documentation; and
- Sample Packaging and Shipping.

2.3.1 Sample Collection

All soil samples were collected utilizing a Geoprobe® system. Use of the Geoprobe® apparatus minimized damage to the asphalt cap and minimized the costs associated with disposal of soil cuttings and decontamination waste generated during field work. A McLaren/Hart field geoscientist supervised the drilling and sampling activities.

Boreholes were advanced by collecting continuous cores with a "Macro-Core" sampler, which is approximately 4 feet long. Soil samples were contained in 1 1/2-inch diameter by 48-inch long polyethylene terephthalate glycol (PETG) tubes. The sample core was logged according to the Unified Soil Classification System and included a description of the texture, color, moisture content, and other distinguishing characteristics. Soil sample location lithology is summarized in Appendix A. Once the PETG tubes were removed from the Macro-Core sampler, 6-inch sections of the tubes, corresponding to the desired sampling depths, were cut and prepared for shipment to the laboratory.

Soil samples were prepared by one of two methods depending on analysis required. For the soil samples that were collected for VOC analysis, the sample tube sections were sealed with squares of Teflon sheeting and plastic end caps, labeled, sealed individually in a locking plastic bag, and stored in a cooled ice chest. The soil samples that were collected for DDT immunoassay analyses or CLP pesticide analyses were homogenized by removing the soil from the 6-inch section of the core, placing the soil into a pre-cleaned stainless steel bowl and homogenizing the sample. For replicate samples, the sample was divided into separate aliquots and placed into the respective glass jars and sealed with Teflon-lined lids. Table 1 summarizes the planned number of samples for each area and the actual number of samples collected and analyzed.

A portion of the core immediately below (for surface samples) or above (for subsurface samples) the interval submitted for laboratory analysis was placed into a locking plastic bag for headspace analysis. The bag was sealed immediately and left to stand for a few minutes to allow volatile gases to enter the headspace of the bag. A PID calibrated to isobutylene was used in the field to analyze the headspace gases. The PID data was used to identify samples for VOC analysis in addition to providing Health and Safety monitoring air monitoring data as required in the site-specific Health and Safety Plan. Headspace readings are included in the soil drilling details.

All boreholes were abandoned by filling the holes with neat Portland cement. The top of the boreholes located in asphalt areas were covered with cold patch asphalt.

2.3.2 Sampling Sequence and Analysis

Sampling was conducted in a specific sequence to allow for selection of the most representative samples for CLP pesticide analysis. Grid point sample locations for immunoassay testing were collected first and submitted to the laboratory for immediate immunoassay testing. Sampling at specific target areas (i.e. trash dike, junk yard, etc.) was conducted after the immunoassay grid point sampling.

CLP analysis was used both for bias point sample analysis and for confirmation of the immunoassay tests used for grid point samples. Grid point samples for confirmation were selected for CLP analyses by the Project Manager in coordination with EPA's oversight contractor to confirm the relative accuracy of the immunoassay tests, verify the limits of DDT contamination, and quantify the upper range of DDT concentrations detected. Soil samples submitted for CLP VOC analyses were selected by the Project Manager and Field Supervisor based on field screening observations (see Section 2.4.5.1) during sample collection. Twelve soil samples were submitted for CLP VOC analyses.

2.3.3 Equipment Decontamination

Non-dedicated equipment used for sample collection was decontaminated prior to each use. PETG tubes used for soil sampling were not reused. Equipment decontamination procedures were as follows:

1. Wash equipment with non-phosphate detergent and tap water and scrub inside and outside of equipment with a bottle-brush.
2. Rinse equipment with tap water.
3. Rinse equipment with deionized/distilled water.
4. Rinse equipment with pesticide-grade solvent (hexane).
5. Rinse equipment with deionized water.
6. Rinse equipment with HPLC-grade organic free water.
7. Allow equipment to dry.

All equipment decontamination was done on the Property.

2.3.4 Waste Materials Disposal Procedures

The following waste materials were generated from this investigation:

- Excess PETG tubes;
- Used Personal Protective Equipment (PPE);
- Decontamination fluids; and
- Excess soil cuttings from the Geoprobe sampling.

Disposable used PPE and disposable equipment were double-bagged and transported to a municipal refuse dump. Reusable PPE, such as rubber boots, goggles, etc., were cleaned with a non-phosphate detergent and tap water. Decontamination fluids consisted of water and minor amounts of hexane. The volume and concentration of the decontamination fluid was sufficiently low as to allow evaporation on the site. The excess soil cuttings were contained and stored in DOT 17H drums pending proper disposal.

2.3.5 Field Measurement Procedures

This section presents air monitoring procedures conducted as part of the project health and safety requirements, the sample headspace screening technique, and borehole mapping procedures.

2.3.5.1 Air Monitoring and Sample Head Space Screening

A photo-ionization detector (PID) was used for air monitoring to assure worker safety during field operations per the project Health and Safety Plan (HASP). The instrument was calibrated and used in accordance with manufacturer's operation manuals. The frequency for instrument calibration and air monitoring for the project was specified in the HASP.

In addition to air monitoring to maintain worker safety, borehole headspace screening was conducted with the PID during the Geoprobe® operations as an aid to describing and evaluating site conditions. Borehole headspace measurements were taken with the PID at regular intervals during drilling operations. The measurements were recorded and used to evaluate the potential presence of organic contaminants at areas of concern.

Additionally, headspace from sample cores was screened and included in the descriptions recorded on the soil drilling details. A soil volume from each depth interval sampled was placed in a sealable plastic bag and placed in a warm environment so that potential chemicals in the soil

would volatilize. Headspace readings from the plastic bags were collected by inserting the instrument intake tube into the bag and recorded on the appropriate forms.

Results of the field screening activities were also reviewed by the Project Manager to evaluate whether additional VOC analyses were warranted.

2.3.5.2 Mapping Borehole Locations

Borehole locations were flagged in the field based on the grid presented in the SAP. The location of each sampling point was referenced to the northwest fence corner at the property by measuring the distance north/south and east/west from this benchmark.

2.3.5.3 Documentation

A daily log book of field activities documenting sampling events was maintained. The daily log was recorded in a bound record book with numbered pages and included the following information as applicable:

- date and time of starting work;
- names of field personnel conducting work;
- description of work area and sampling location;
- description of field activity, including any deviation from the work plan;
- field observations;
- air monitoring measurements or observations; and
- sample handling and shipping information.

Label register books were used to identify samples. Sample label information was recorded in duplicate and included the following information:

- Name of Sampler;
- Date and Time of Collection;
- Sample Designation;
- Sample Matrix;
- Preservation Method; and
- Analyses Required.

A chain of custody (COC) form was completed with the required information to identify requested sample analyses and sample custody. The information recorded on the COC included the following:

- Project name and number;
- Sampler's name and signature;
- Sample identification numbers;
- Sampling date, time, and location;
- Requested analyses;
- Sample container type and quantity;
- Sample preservation;
- Requested analytical turn-around-time; and
- Name of analytical laboratory receiving samples.

2.3.5.4 Sample Packaging and Shipment

Sample packaging and shipping procedures assured that samples were properly preserved, protected, and secured until delivery to the analytical laboratory. After the samples were labeled, all sample containers were placed in sealed plastic bags to protect sample labels from potential moisture damage. Fragile sample containers were protected from breakage by wrapping containers with bubblewrap and placed upright in thermally insulated chests. Ice was double-bagged in sealed plastic bags and placed on top of samples until delivery of samples to the analytical laboratory. The remaining void space in the ice chest was filled with appropriate packaging material. The associated COCs were sealed in a plastic bag and placed in the ice chest. The ice chests were sealed closed with filament tape and a custody seal placed on the ice chest lid. Samples were sent daily to the analytical laboratory via express priority delivery service.

3.0 RESULTS OF CHEMICAL ANALYSES

This section presents the results of laboratory analyses performed on samples collected during the investigation. The field investigation was conducted on March 10 through 13, 1997. The analytical data are presented in three parts; on-property grid point sample locations, off-property grid point sample locations, and bias point sample locations (areas of special interest on- and off-property).

The results of the immunoassay, CLP pesticide, and CLP VOC analyses are presented in Tables 2, 3, and 4, respectively. Immunoassay analysis results are reported in ranges of DDT concentrations rather than in discrete values as with the CLP analyses. As shown in Table 2, the mg/kg reporting ranges for the immunoassay tests are:

less than 2	100 to 1,000
1 to 10	1,000 to 10,000
10 to 100	2,000 to 10,000
20 to 100	10,000 to 100,000

The reporting ranges are dependent on the level of dilution and dilution sequence for each sample analyzed.

To assist in visualization of the distribution of concentrations across the investigation area, Figures 3 and 4 present plots of the DDT and VOC concentrations, respectively. It should be noted that on Figure 3, the immunoassay concentration ranges produced by the analytical procedure presented in Table 2 have been consolidated into four ranges to simplify the data presentation on the figure. In all cases, the DDT ranges discussed in the following narrative are based on the information presented in Tables 2 and 3 and refer to the sum of all 2,4'- and 4,4'-DDD, DDE, and DDT compounds detected. Similarly, BHC concentrations refer to the sum of the alpha-, beta-, delta-, and gamma-BHC isomers .

3.1 ON-PROPERTY GRID POINT SAMPLE SCREENING AND CONFIRMATION

Twenty-two on-property locations (SB-1 through SB-22) were sampled in a grid pattern as shown on Figure 3. At each location, soil samples were obtained from below asphalt and road base capping (referred to as the "surface" sample at that particular sample point) and from a subsurface depth, as discussed in Section 2.1.1. All samples were screened for DDT using immunoassay analyses (Table 2) with selected sample analytical results confirmed using the CLP pesticide method.

3.1.1 Surface Samples

Nine surface soil samples were collected and analyzed by CLP pesticide method. Results of CLP pesticide analyses for on-property surface samples ranged from 9.9 to 7,620 mg/kg total DDT with a mean concentration of 3,450 mg/kg.

Twenty-eight samples (including replicates) were collected for immunoassay testing from 22 surface sampling points. The concentration range most commonly observed (15 of the 28 samples) was between 1,000 to 10,000 mg/kg DDT, which is consistent with the results of the CLP pesticide analyses.

The immunoassay test data compared well with the CLP pesticide data. Seven of the nine CLP confirmation results were within the range indicated by the immunoassay tests. Two of the nine CLP pesticide results were lower than the range indicated by the immunoassay tests.

3.1.2 Subsurface Samples

Two subsurface soil samples were collected and analyzed by CLP pesticide method. Results of the CLP pesticide analyses were 1,680 mg/kg DDT at SB-11 and 5.26 mg/kg DDT at SB-6.

Twenty-eight samples (including replicates) were collected for immunoassay testing from twenty-two subsurface sampling points. The concentration ranges most commonly observed (15 of the 28 samples) were below 20 mg/kg.

Comparison of the two immunoassay test data with the CLP pesticide data showed one sample range above the CLP pesticide result and one sample range below the CLP pesticide result.

3.1.3 Surface and Subsurface Sample BHC Results

For the eleven on-property grid point confirmation soil samples (surface and subsurface) analyzed for CLP pesticides, only one sample (SB-16, surface sample) showed a positive detection (61 mg/kg) of total BHC.

3.2 Off-Property Grid Point Sample Screening and Confirmation

Thirty-two off-property locations (SB-23 through SB-54) were sampled in a grid pattern, as shown on Figure 3. Individual samples were collected from 31 locations (for surface and subsurface analyses) and composite samples were collected from one location (a soil stockpile location at SB-

25). All samples were screened for DDT using the immunoassay methodology, and 11 samples were analyzed by CLP pesticide methodology.

3.2.1 Surface Samples

Nine surface soil samples were collected and analyzed by CLP pesticide method. Results of CLP pesticide analyses for off-property surface samples ranged from 0.014 to 124 mg/kg DDT with a mean concentration of 24 mg/kg.

For the immunoassay test results, 25 of the 31 surface immunoassay samples had total DDT concentrations less than 10 mg/kg. Five samples, all of which were from the western off-property area, had a total DDT concentration between 10 and 100 mg/kg. One sample from the western off-property area exceeded the upper quantitation range of 100 mg/kg.

Generally, the immunoassay sample results were comparable to the CLP results. Five CLP pesticide results were within the concentration range detected by the immunoassay tests, two CLP pesticide results were slightly lower than the concentration range detected by the immunoassay tests, and two CLP pesticide results were slightly higher than concentration range detected by the immunoassay tests.

3.2.2 Subsurface Samples

For subsurface soil samples, all 31 immunoassay samples showed total DDT concentrations less than 10 mg/kg. Two off-property confirmation CLP pesticide samples had DDT concentrations less than 0.005 mg/kg.

3.2.3 Stockpile Area Composite Samples

CLP pesticide results for two samples collected from the soil stockpile showed DDT concentrations of 1.13 (discrete sample) and 1.56 mg/kg (composite sample).

Three of the four immunoassay samples had total DDT concentrations less than 10 mg/kg. The remaining immunoassay sample showed a total DDT concentration range of 10 to 100 mg/kg; however, the corresponding CLP pesticide result showed 1.13 mg/kg DDT.

3.2.4 Surface and Subsurface Sample BHC Results

BHC was not detected in the 13 samples analyzed by CLP pesticide method.

3.3 BIASED POINT SAMPLING LOCATIONS

3.3.1 Former "Junk Yard"

Four locations were sampled in the former "junk yard" area and analyzed by CLP pesticide methods (SB-55 through SB-58). The range of total DDT concentration in all samples in this area, both surface and subsurface, was 0.033 to 2,298 mg/kg with mean values of 1,075 mg/kg in surface samples and 5.7 mg/kg in subsurface samples. BHC was not detected in any of the nine samples (including one replicate) analyzed. The DDT results from this investigation were significantly less than the undocumented qualitative results reported by Stauffer, which were collected before the area was graded and capped.

3.3.2 Vicinity of Former Machine Shop

Four locations were sampled in the vicinity of the former machine shop (SB-59 through SB-62). DDT concentrations found in all samples, both surface and subsurface, ranged from 0.648 mg/kg to 6,060 mg/kg with mean concentrations of 2,494 mg/kg in surface samples and 9.75 mg/kg in subsurface samples. Analytical data obtained from the Stauffer investigation in this area reportedly showed DDT concentrations ranging from 520 mg/kg (5 feet) to 110,000 mg/kg (3 feet). Therefore, the soil samples collected during this investigation generally did not confirm the Stauffer data.

Only one positive detection of total BHC (250 mg/kg in the surface sample at SB-60) was found in the eight samples from four sample points near the former machine shop.

3.3.3 Former "Salvage Area"

Four locations were sampled in the former "salvage area" (SB-63 through SB-66). The range of total DDT concentrations in all samples in this area, both surface and subsurface, was 1.1 to 499 mg/kg, with mean concentrations of 126 mg/kg in surface samples and 1.9 mg/kg in subsurface samples. Results from sampling previously conducted in this area by Hargis and Montgomery showed DDT concentrations ranging from 1.3 to 6,800 mg/kg. Therefore, the soil samples collected during this investigation did not confirm the higher value in the Hargis and Montgomery data, which was collected before the area was graded and capped.

Only one positive detection of total BHC (an estimated 0.021 mg/kg in the surface sample at SB-65) was found in the eight samples collected.

3.3.4 Former "Trash Dike" and Vicinity

Four locations were sampled in the vicinity of the former "trash dike" (SB-67 through SB-70). The range of total DDT concentrations in all samples in this area, both surface and subsurface, was 0.39 to 1,017 mg/kg with mean concentrations of 270 mg/kg in surface samples and 3.7 mg/kg in subsurface samples. Results from the Metcalf and Eddy investigation conducted in 1985 (after grading and capping) in this area showed DDT concentrations ranging from less than 0.016 mg/kg to 2,359 mg/kg. Therefore, the 1985 Metcalf and Eddy data and the March 1997 data are similar.

Only one positive detection of total BHC (an estimated 0.414 mg/kg in the surface sample at SB-68) was found in the eight samples collected.

3.3.5 Boring MD6

There were two locations (SB-71 and SB-72) sampled adjacent to boring MD6. The surface samples at SB-71 and SB-72 contained 27.8 mg/kg and 0.99 mg/kg total DDT, respectively. Subsurface total DDT concentrations were below the detection limit at both sample locations. Prior samples from boring MD6 had total DDT concentrations ranging from less than 0.03 mg/kg to 1.05 mg/kg. Therefore, the 1986 Hargis + Associates data and data from this investigation are similar.

Only one positive detection of BHC was reported in the four samples collected in this area (an estimated 0.031 mg/kg in the surface sample at SB-72). A surface soil sample collected in this area by Hargis + Associates in 1986 had a BHC concentration of 0.715 mg/kg.

3.4 VOC RESULTS

A total of 12 samples were selected for CLP VOC analysis. Two soil samples were analyzed from each of the former "junk yard" area, the former machine shop area, the former "salvage area"; and, the former "trash dike" area. One sample was analyzed for VOCs from the area around location MD6. Three additional samples were collected from locations SB-7, SB-14, and SB-18 and analyzed for VOCs based on positive field screening results.

All VOC(s) detected were found at very low concentrations and the results are summarized in Table 4 and plotted on Figure 4. The primary compound detected was chlorobenzene, which was found at SB-7 (0.2 mg/kg), SB-14 (2.9 mg/kg), SB-18 (3.7 mg/kg), and SB-60 (0.1 mg/kg).

Acetone was detected in only three samples, all at concentrations of less than 0.25 mg/kg. Methylene chloride was detected at five locations at concentrations of less than 0.01 mg/kg.

4.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) EVALUATION

Various QA/QC activities and elements were conducted in accordance with the project QAPP (McLaren/Hart, 1996). All CLP laboratory data packages were reviewed and the results validated. Additional field QA/QC procedures were used to assess precision, accuracy, representativeness, completeness, and comparability of the data set. Discussions of the QA/QC elements are presented below.

4.1 DATA VALIDATION

CLP pesticide and VOC analyses were validated in accordance with the CLP Functional Guidelines for Organic Data Review (EPA, 1994). Data validation reports were prepared for each sample delivery group (SDG) and are presented under separate cover. For CLP pesticide analyses, the data validation work included review of the following parameters:

- Hold times;
- Blanks;
- Surrogate spikes;
- Matrix spike/matrix spike duplicate (MS/MSD);
- Initial calibration of single component analytes;
- GC/ECD instrument performance check;
- Pesticide calibration verification summary (PEM);
- Pesticide calibration verification summary (INDA and INDB);
- Pesticide calibration verification of instrument blank; and
- Pesticide target compound identification.

For CLP VOC analyses, data validation work included review of the following parameters:

- Hold times;
- GC/MS instrument performance check;
- Initial calibration;
- Continuing calibration;
- Method blank;
- Internal standard area summary;
- System monitoring compound recovery;
- Matrix spike/matrix spike duplicate;
- Target compound identification (TCI); and
- Tentatively identified compounds (TIC).

Based on the review of the parameters listed above, data qualifier codes were assigned as applicable to the concentration values presented in Tables 3 and 4. Explanations of the codes used are listed below.

- J: The result is an estimate and is considered semi-quantitative. The QA/QC parameter(s) is outside (although not severely) the control limits.
- UJ: The compound was not detected above an estimated quantitation limit.
- U: The compound was not detected above the reported quantitation limit.
- R: The result is unusable. QA/QC parameter(s) is severely outside the control limits.

No CLP pesticide or CLP VOC analytical data were considered unusable.

Immunoassay data packages were also reviewed to verify that laboratory QC procedures were followed. Items which were checked for each SDG included negative control results, lab control sample results, and matrix spike results. Table 5 summarizes the laboratory QC immunoassay validation.

4.2 PRECISION

Analytical precision was evaluated as part of the CLP data validation work and included review of the Matrix Spike/Matrix Spike Duplicate (MS/MSD) and laboratory control spike/laboratory control spike duplicate (LCS/LCSD) results. Sampling precision was evaluated through the results of field replicate and/or laboratory replicate analyses. Field replicates were examined for precision by calculating their relative percent difference (RPD) as follows:

$$RPD = \frac{\text{Concentration Sample 1 - Concentration Sample 2}}{\text{(Concentration Sample 1 + Concentration Sample 2)/2}} \times 100$$

Two field replicates were analyzed by CLP pesticide methodology. RPDs were calculated using the total of all detected DDT isomers for the two field samples and their respective replicates. In cases where an analyte was positively detected in one sample and below the detection limit in the replicate, half of the detection limit was used. The calculated RPDs for replicates analyzed from locations SB-58 and SB-69 were approximately 81% and 183%, respectively. The CLP pesticide RPD results are skewed due to the analysis of replicate samples that had high concentrations of total DDT.

One field replicate was analyzed for VOCs. All VOCs were non-detectable for that sample and its replicate, therefore, the relative percent difference was zero.

Twenty six field or laboratory replicate immunoassay analyses were performed. Because the test method only indicates a DDT concentration range, the RPD for these samples cannot be calculated. Results of the replicate analyses are summarized in Table 6. Samples with higher concentration ranges showed higher variability than samples with lower concentrations. Samples with levels less than 100 mg/kg DDT had good correlation with the corresponding replicate samples.

4.3 ACCURACY

Factors that potentially affect the data accuracy include the sampling process, field contamination, sample preservation and handling, sample matrix, sample preparation, and analysis techniques. Analytical accuracy was monitored by the percent recovery of spike samples reviewed as part of the CLP data validation. Assessment of field sampling effects on accuracy may be qualitatively indicated the results of the equipment rinse blanks and trip blanks. Results of equipment rinse blank analyses indicated only trace levels of total DDT (0.00042 and 0.00015 mg/L). These low levels do not have a significant affect on the accuracy of the analytical results. No VOC concentrations were detected in equipment rinse blanks or trip blanks.

4.4 REPRESENTATIVENESS

Representativeness expresses the degree to which sample data represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter which is most concerned with the proper design of the sampling program. As part of the sampling plan development, previous analytical results were reviewed to determine data representativeness and to select sampling locations which will accurately characterize contamination at the property. A combination of biased points at areas where previous samples had been collected and systematic grid points were sampled during the investigation.

4.5 COMPLETENESS

Completeness of the sampling program was evaluated by comparing the total number of soil and QA/QC samples collected and analyzed with the number of samples planned. A summary of the comparison is provided Table 1. Except for one CLP pesticide replicate sample, all environmental and QA/QC samples were collected at or above the planned frequency. Three CLP pesticide replicate samples were planned to be analyzed, but only two replicate analyses were performed.

For the immunoassay analyses, the target lower limit of detection was less than 2 mg/kg. Three exceptions occurred during the analysis of the samples. Two of the 125 samples analyzed had results reported at less than 20 mg/kg (SB-10 and SB-16 subsurface) and one sample had a result of less than 200 mg/kg (SB-15 subsurface). All of these locations are on-property. One sample had a reported concentration of greater than 100 mg/kg (SB-36 surface); however, a confirmation CLP pesticide analysis was also performed on this sample.

4.6 COMPARABILITY

Table 7 compares the results of the immunoassay testings with the CLP pesticide confirmation results. The sum of all DDT and its metabolites (DDD and DDE) from the CLP pesticide analyses were used to compare with the immunoassay results. Twenty-four CLP confirmation analyses were preformed. Of the total, 12 analysis results matched the immunoassay range, seven analysis results were less than the immunoassay range, and five analysis results were greater than the immunoassay range. Therefore, approximately 80 percent of the confirmation sample concentrations were either below or within the DDT concentration range detected by the immunoassay testing.

5.0 SUMMARY AND CONCLUSIONS

Results of the northwest corner field investigation successfully completed the characterization of on- and off-property soil conditions. Discussions of the specific investigation objectives are presented below.

Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983

Evaluation of CLP pesticide and immunoassay results from 48 grid samples collected in the area of the former Stauffer sampling points (primarily west of the former railroad spur) indicate that DDT is present in this area, but at significantly lower levels than indicated by information generated by the 1983 Stauffer sampling. DDT in soils in the area had been reported by Stauffer at a mean concentration of approximately 41,800 mg/kg. However, for the current investigation, DDT analyzed by CLP pesticide methodology was found at a mean concentration of 2,980 mg/kg.

Evaluate soil chemical characteristics at specific historical property features

Twenty-four soil samples were collected to assess current soil conditions at the former machine shop and the area of possible material storage located along the western Property boundary. Results of laboratory analyses indicate that DDT is present in these areas, but at relatively lower levels than reported by Stauffer sampling in 1983. BHC was found only twice (61 and 250 mg/kg) out of the 12 analyses completed by CLP pesticide method.

Evaluate soils at former sampling points that revealed elevated DDT or BHC levels inside the former "trash dike", "salvage area" and "junk yard"

Twenty-four samples were collected to assess current soil conditions in the areas of the "trash dike", "salvage yard", and "junk yard". DDT concentrations detected in samples collected from the "trash dike" area were relatively consistent with the results of sampling previously completed by Metcalf & Eddy in 1985 and the undocumented qualitative data reported by Stauffer in 1983. DDT concentrations detected in samples collected from the "salvage area" area were generally lower than the results from sampling completed by Metcalf & Eddy. Soil samples collected in the area of the former "junk yard" indicate that DDT is present at lower levels (lower by more than 2 orders of magnitude) than reported by Stauffer in 1983.

For samples collected from these areas, BHC was detected in only 2 of the 26 analyses (includes two duplicate analyses) completed by CLP pesticide method and both detections were below 0.5 mg/kg.

Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the Property

Results of the investigation indicate that DDT concentrations off-property to the north and west of the northwest corner of the Property are generally below 20 mg/kg. No soil samples collected off-property to the north had DDT concentrations greater than 10 mg/kg. Only 2 of the 17 analyses performed on samples collected 30 feet away from the western property boundary had DDT concentrations greater than 10 mg/kg. No significant levels of BHC were found in off-property samples.

Screen for the potential presence of VOCs in subsurface soils at the northwest corner of the property

Soils were screened for the presence of VOCs with a PID in all samples collected. Only three positive screening results were found and these samples were analyzed by CLP VOC method. In addition, nine samples from selected areas were analyzed for VOCs. Chlorobenzene was the primary compound detected, but in all cases the concentrations were below 0.4 mg/kg.

The data collected fulfill all objectives of this investigation and no further investigation is recommended.

6.0 REFERENCES

Environmental Protection Agency - EPA CLP Functional Guidelines for Organic Data Review, February, 1994.

Environmental Protection Agency - November, 1996. Letter to Montrose dated November 26, 1996.

Hargis + Associates, Inc. October 18, 1996. Preliminary Review Draft, Final RI Report Montrose Site.

McLaren/Hart Environmental Engineering. July 1996. Field Sampling Plan and Quality Assurance Project Plan, Northwest Corner of former Montrose Chemical Plant, Los Angeles County, California.

Stauffer Chemical. August 1983. Inter-Office Correspondence, Subject: DDT Analysis of soils at Torrance Site.

Tables

Table 1
Summary of Areas Sampled, Sampling Locations and Analyses Performed
Northwest Corner, Former Montrose Facility

Sample Area	Reason for Sample Collection	Location Designation	Depth of samples * (feet)	Analyses (Total Number Collected/ Total Number of
On-Property Screening	Historic material storage	SB-1 thru SB-22	Soil Surface 2.5 - 3.0 bgs	DDT by Immunoassay (44/44) CLP VOCs (3/3)
On-Property Confirmation	Screening Confirmation Samples	SB-1 thru SB-22	Soil Surface 2.5 - 3.0 bgs	20% by EPA 8080 (11/9)
Off-Property Screening	Off-site migration from historic material storage	SB-23 thru SB-54	Soil Surface 2.5 - 3.0 bgs	DDT by Immunoassay (66/64)
Off-Property Confirmation	Screening Confirmation Samples	SB-23 thru SB-54	Soil Surface 2.5 - 3.0 bgs	20% by EPA 8080 (13/13)
Former "Junk Yard" (Stauffer 02/02-01)	710,000 mg/kg DDT detected by Stauffer; past material storage	SB-55 thru SB-58	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Vicinity of former Machine Shop (Stauffer 02/08-01)	110,000 mg/kg DDT detected by Stauffer	SB-59 thru SB-62	1.0 - 1.5 bgs 3.0 - 3.5 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Former "Salvage Area"	Historic material storage; 6,800 mg/kg detected in 1983	SB-63 thru SB-66	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Former "Trash Dike" and Vicinity	Historic material storage; 2,389 mg/kg DDT detected in 1985	SB-67 thru SB-70	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Boring MD6	0.715 mg/kg BHC detected in 1986	SB-71 thru SB-72	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (4/4) CLP VOCs (1/1)
Quality Control Samples	Replicate/Duplicate Samples	REP/DUP	Based on number of CLP samples collected	10% by Immunoassay (26/11) 20% by EPA 8080 (3/3) 20% by CLP VOCs (1/1)
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	MS/MSD	5% of samples collected	Immunoassay (11/6) EPA 8080 (9/8) CLP VOCs (1/1)
	Equipment Rinse Blanks	ER - (date)	One per day of sampling	EPA 8080 (4/4) CLP - VOCs (3/3)
	Trip Blanks	TB - (date)	One per shipping container tested for VOCs	CLP - VOCs (6/6)

* Soil surface is defined as the first encountered soil beneath any manmade layer. The following is a list of surface types encountered.

Asphalt Surface & Road Base: Asphalt 3 inches, road base 9 inches. This type of surface was encountered at SB-1 through SB-2; SB-55 throug and SB-37 through SB-53 (odd).

Gravel & Tar Surface: This layer was approximately 2 inches thick. This type of surface was encountered at SB-33 through SB-36; SB-71 an

Railroad Ballast: This layer was approximately 1.5 feet thick. This type of surface was encountered at SB-38 through SB-54 (even).

No Asphalt or Gravel: The first soil surface was located at ground level. This was encountered at SB-23 through SB-32.

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
On-Property	SB-01	3/10/97	Surface	523401	3085	1000-10000
	SB-01	3/10/97	2.5 - 3	523402	3085	2-10
	SB-02	3/10/97	Surface	523403	3085	1000-10000
	SB-02	3/10/97	2.5 - 3	523404	3085	2-10
	SB-02	3/10/97	2.5 - 3 (DUP)	523404	3085	20-100
	SB-02	3/10/97	2.5 - 3 (DUP)	523404	3085	20-100
	SB-03	3/10/97	Surface	523405	3085	20-100
	SB-03	3/10/97	Surface (DUP)	523405	3085	< 20
	SB-03	3/10/97	2.5 - 3	523406	3085	2-10
	SB-04	3/10/97	Surface	523413	3085	1000-10000
	SB-04	3/10/97	2.5 - 3	523414	3085	2-10
	SB-05	3/10/97	Surface	523415	3085	1000-10000
	SB-05	3/10/97	2.5 - 3	523416	3085	2-10
	SB-06	3/10/97	Surface	523417	3085	20-100
	SB-06 (M-6)	3/10/97	Surface (REP)	523419	3085	200-1000
	SB-06	3/10/97	2.5 - 3	523420	3085	1000-10000
	SB-07	3/10/97	Surface	523421	3085	1000-10000
	SB-07	3/10/97	2.5 - 3	523423	3085	1-10
	SB-08	3/10/97	Surface	523424	3085	1000-10000
	SB-08	3/10/97	2.5 - 3	523425	3085	0.2-1
	SB-09	3/10/97	Surface	523426	3085	200-1000
	SB-09	3/10/97	2.5 - 3	523427	3085	2-10
	SB-09	3/10/97	2.5 - 3 (DUP)	523427	3085	2-10
	SB-10	3/10/97	Surface	523428	3086	2000-10000
	SB-10 (M-10)	3/10/97	Surface (REP)	523429	3086	100-1000
	SB-10	3/10/97	2.5 - 3	523430	3086	< 20
	SB-11	3/10/97	Surface	523431	3086	1000-10000
	SB-11	3/10/97	2.5 - 3	523432	3086	20-100
	SB-12	3/10/97	Surface	523437	3086	200-1000
	SB-12	3/10/97	2.5 - 3	523438	3086	20-100
	SB-12	3/10/97	2.5 - 3 (DUP)	523438	3086	< 20
	SB-13	3/11/97	Surface	523439	3091	2000-10000
	SB-13	3/11/97	2.5 - 3	523440	3091	2-10
	SB-14	3/11/97	Surface	523441	3091	2000-10000
	SB-14 (M-14)	3/11/97	Surface (REP)	523442	3091	10000-100000
	SB-14	3/11/97	2.5 - 3	523444	3091	20-100
	SB-15	3/11/97	Surface	523445	3091	2000-10000
	SB-15	3/11/97	2.5 - 3	523446	3091	< 200
	SB-16	3/11/97	Surface	523447	3091	2000-10000
	SB-16	3/11/97	2.5 - 3	523448	3091	< 20

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
On-Property	SB-17	3/11/97	Surface	523449	3091	200-1000
	SB-17	3/11/97	2.5 - 3	523450	3091	20-100
	SB-18	3/11/97	Surface	523351	3091	1000-10000
	SB-18	3/11/97	Surface (DUP)	523351	3091	1000-10000
	SB-18	3/11/97	2.5 - 3	523353	3091	20-100
	SB-18 (M-18)	3/11/97	2.5 - 3 (REP)	523354	3091	20-100
	SB-19	3/11/97	Surface	523355	3091	1000-10000
	SB-19	3/11/97	2.5 - 3	523356	3091	20-100
	SB-20	3/11/97	Surface	523357	3091	10000-100000
	SB-20	3/11/97	2.5 - 3	523358	3091	20-100
	SB-20	3/11/97	2.5 - 3 (DUP)	523358	3091	20-100
	SB-21	3/11/97	Surface	523359	3092	100-1000
	SB-21	3/11/97	Surface (DUP)	523359	3092	100-1000
	SB-21	3/11/97	2.5 - 3	523360	3092	< 2
	SB-22	3/11/97	Surface	523361	3092	< 2
	SB-22	3/11/97	2.5 - 3	523362	3092	< 2
Off-Property - West	SB-23	3/12/97	2.5 - 3	524026	3106	< 2
	SB-23	3/12/97	Surface	524027	3106	< 2
	SB-24	3/12/97	Surface	524028	3106	20-100
	SB-24	3/12/97	Surface (DUP)	524028	3106	20-100
	SB-24	3/12/97	2.5 - 3	524029	3106	< 2
	SB-25A	3/12/97	Comp.	523341	3122	< 2
	SB-25B	3/12/97	Comp.	523342	3122	< 2
	SB-25C	3/12/97	Comp.	523343	3122	2-10
	SB-25D	3/12/97	Comp.	523344	3122	10-100
	SB-25D	3/12/97	Comp. (DUP)	523344	3122	< 2
	SB-26	3/12/97	Surface	524030	3108	20-100
	SB-26	3/12/97	2.5 - 3	524031	3108	< 2
	SB-27	3/12/97	Surface	524032	3108	< 2
	SB-27	3/12/97	2.5 - 3	524033	3108	2-10
	SB-28	3/12/97	Surface	524034	3108	2-10
	SB-28 (M-28)	3/12/97	Surface (REP)	524035	3108	2-10
	SB-28	3/12/97	2.5 - 3	524036	3108	< 2
	SB-29	3/12/97	Surface	524037	3108	< 2
	SB-29	3/12/97	2.5 - 3	524038	3108	< 2
	SB-30	3/12/97	Surface	524039	3108	< 2
	SB-30	3/12/97	Surface DUP)	524039	3108	< 2
	SB-30	3/12/97	2.5 - 3	524040	3108	< 2
	SB-30 (M-30)	3/12/97	2.5 - 3 (REP)	524041	3108	< 2
	SB-31	3/12/97	Surface	524042	3108	10 - 100
	SB-31	3/12/97	Surface DUP)	524042	3108	10 - 100

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
Off-Property - West	SB-31	3/12/97	2.5 - 3	524043	3108	< 2
	SB-32	3/12/97	Surface	523306	3121	10-100
	SB-32	3/12/97	2.5 - 3	523307	3121	< 2
	SB-33	3/12/97	Surface	523308	3121	< 2
	SB-33	3/12/97	2.5 - 3	523309	3121	< 2
	SB-34	3/12/97	Surface	523310	3121	10-100
	SB-34 (M-34)	3/12/97	Surface (REP)	523311	3121	10-100
	SB-34	3/12/97	2.5 - 3	523312	3121	< 2
	SB-35	3/12/97	Surface	523313	3121	< 2
	SB-35	3/12/97	Surface (DUP)	523313	3121	< 2
	SB-35	3/12/97	2.5 - 3	523314	3121	< 2
	SB-36	3/12/97	Surface	523315	3123	> 100
	SB-36	3/12/97	2.5 - 3	523316	3123	< 2
Off-Property - North	SB-37	3/12/97	2.5 - 3	523326	3121	< 2
	SB-37	3/12/97	Surface	523327	3121	< 2
	SB-38	3/12/97	Surface	524011	3106	< 2
	SB-38	3/12/97	2.5 - 3	524012	3106	< 2
	SB-39	3/12/97	Surface	523328	3121	< 2
	SB-39	3/12/97	2.5 - 3	523329	3121	< 2
	SB-39 (M-39)	3/12/97	2.5 - 3 (REP)	523330	3121	< 2
	SB-40	3/12/97	Surface	524013	3106	< 2
	SB-40	3/12/97	2.5 - 3	524014	3106	< 2
	SB-41	3/12/97	Surface	523331	3121	< 2
	SB-41	3/12/97	Surface (DUP)	523331	3121	< 2
	SB-41	3/12/97	2.5 - 3	523332	3121	< 2
	SB-42	3/12/97	Surface	524015	3106	< 2
	SB-42	3/12/97	2.5 - 3	524016	3106	< 2
	SB-43	3/12/97	Surface	523333	3122	< 2
	SB-43	3/12/97	2.5 - 3	523334	3122	< 2
	SB-43 (M-43)	3/12/97	2.5 - 3 (REP)	523335	3122	< 2
	SB-44	3/12/97	Surface	524017	3106	< 2
	SB-44	3/12/97	2.5 - 3	524018	3106	< 2
	SB-45	3/12/97	Surface	523336	3122	< 2
	SB-45	3/12/97	2.5 - 3	523337	3122	< 2
	SB-46	3/12/97	Surface	524019	3106	< 2
	SB-46	3/12/97	2.5 - 3	524020	3106	< 2
	SB-46	3/12/97	2.5 - 3 (DUP)	524020	3106	2 - 10

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
Off-Property - North	SB-47	3/12/97	Surface	523338	3122	< 2
	SB-47 (M-47)	3/12/97	Surface (REP)	523339	3122	< 2
	SB-47	3/12/97	2.5 - 3	523340	3122	< 2
	SB-48	3/12/97	Surface	524021	3106	< 2
	SB-48	3/12/97	2.5 - 3	524022	3106	< 2
	SB-48 (M-48)	3/12/97	2.5 - 3 (REP)	524023	3106	< 2
	SB-49	3/12/97	Surface	523347	3122	< 2
	SB-49	3/12/97	2.5 - 3	523348	3122	< 2
	SB-50	3/12/97	Surface	524024	3106	< 2
	SB-50	3/12/97	2.5 - 3	524025	3106	< 2
	SB-51	3/12/97	Surface	523345	3122	< 2
	SB-51	3/12/97	2.5 - 3	523346	3122	< 2
	SB-52	3/12/97	Surface	523322	3123	< 2
	SB-52	3/12/97	2.5 - 3	523323	3123	< 2
	SB-53	3/12/97	Surface	523349	3122	< 2
	SB-53	3/12/97	2.5 - 3	523350	3122	< 2
	SB-54	3/12/97	Surface	523324	3121	< 2
	SB-54	3/12/97	2.5 - 3	523325	3121	< 2

* Depth below any artificial cover or road base.

[1] SDG = Sample Delivery Group.

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-01		SB-03		SB-04		SB-06		SB-06		SB-10	
Sample No.	523401		523405		523413		523419		523420		523428	
Sample Date:	10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97	
Sample Depth:	Surface		Surface		Surface		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
beta-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
delta-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
gamma-BHC (Lindane)	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Heptachlor	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Aldrin	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Heptachlor Epoxide	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Endosulfan I	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Dieldrin	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDE	**140,000**		**1,200**		**260,000**		78,000	U	**2,400**		**1,100,000**	
Endrin	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endosulfan II	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDD	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endosulfan Sulfate	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDT	**2,000,000**	J	**7,100**	J	**1,400,000**	J	**480,000**	J	**1,900**	J	**2,200,000**	J
Methoxyclor	1,000,000	U	4,000	U	1,000,000	U	400,000	U	1,900	U	1,000,000	U
Endrin ketone	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endrin aldehyde	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
alpha-Chlordane	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
gamma-Chlordane	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Toxaphene	10,000,000	U	40,000	U	10,000,000	U	4,000,000	U	19,000	U	10,000,000	U
Aroclor 1016	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1221	4,000,000	U	16,000	U	4,000,000	U	1,600,000	U	7,500	U	4,000,000	U
Aroclor 1232	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1242	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1248	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1254	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1260	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
2,4'-DDE	200,000	U	780	U	200,000	U	78,000	U	**190**		**160,000**	J
2,4'-DDD	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
2,4'-DDT	**480,000**	J	**1,600**	J	**360,000**	J	**47,000**	J	**770**	J	**690,000**	J
Total DDT, DDE & DDD	**2,620,000**		**9,900**		**2,020,000**		**527,000**		**5,260**		**4,150,000**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-11		SB-14		SB-16		SB-20		SB-21		SB-24	
Sample No.	523432		523442		523447		523357		523359		524028	
Sample Date:	10-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		12-Mar-97	
Sample Depth:	2.5 - 3		Surface (REP)		Surface		Surface		Surface		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
beta-BHC	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
delta-BHC	61,000	U	200,000	U	**61,000**	**J**	100,000	U	61,000	U	3,600	U
gamma-BHC (Lindane)	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Heptachlor	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Aldrin	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Heptachlor Epoxide	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Endosulfan I	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Dieldrin	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDE	**410,000**		**1,700,000**		**1,600,000**		**2,100,000**		**630,000**		**36,000**	
Endrin	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
Endosulfan II	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDD	120,000	U	400,000	U	200,000	U	**230,000**	**J**	**56,000**	**J**	7,100	U
Endosulfan Sulfate	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDT	**1,000,000**	**J**	**4,400,000**	**J**	**2,500,000**	J	**3,000,000**	**J**	**1,300,000**	**J**	**66,000**	**J**
Methoxyclor	610,000	U	2,000,000	U	1,000,000	U	1,000,000	U	610,000	U	36,000	U
Endrin ketone	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
Endrin aldehyde	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
alpha-Chlordane	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
gamma-Chlordane	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Toxaphene	6,100,000	U	20,000,000	U	10,000,000	U	10,000,000	U	6,100,000	U	360,000	U
Aroclor 1016	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1221	2,400,000	U	8,100,000	U	4,000,000	U	4,100,000	U	2,400,000	U	140,000	U
Aroclor 1232	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1242	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1248	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1254	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1260	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
2,4'-DDE	120,000	U	**420,000**		**200,000**		**300,000**		**110,000**		**4,200**	**J**
2,4'-DDD	120,000	U	400,000	U	200,000	U	**210,000**		120,000	U	7,100	U
2,4'-DDT	**270,000**	**J**	**1,100,000**	**J**	**780,000**		**770,000**	**J**	**320,000**	**J**	**18,000**	**J**
Total DDT, DDE & DDD	1,680,000		7,620,000		5,080,000		6,610,000		2,416,000		124,200	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-25A-D		SB-25D		SB-26		SB-28		SB-30		SB-32	
Sample No.	523341-44		523344		524030		524034		524039		523306	
Sample Date:	13-Mar-97		13-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97	
Sample Depth:	COMP		COMP		Surface		Surface		Surface		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	36	U	18	U	180	U	380	U	96	U	1,900	U
beta-BHC	36	U	18	U	180	U	380	U	96	U	1,900	U
delta-BHC	36	U	18	U	180	U	380	U	96	U	1,900	U
gamma-BHC (Lindane)	36	U	18	U	180	U	380	U	96	U	1,900	U
Heptachlor	36	U	18	U	180	U	380	U	96	U	1,900	U
Aldrin	36	U	18	U	180	U	380	U	96	U	1,900	U
Heptachlor Epoxide	**110**	**J**	18	U	180	U	380	U	96	U	1,900	U
Endosulfan I	36	U	18	U	180	U	380	U	96	U	1,900	U
Dieldrin	71	U	35	U	350	U	730	U	190	U	3,600	U
4,4'-DDE	**660**		**590**		**1,000**		**5,000**		**770**		**2,400**	**J**
Endrin	71	U	35	U	350	U	730	U	190	U	3,600	U
Endosulfan II	71	U	35	U	350	U	730	U	190	U	3,600	U
4,4'-DDD	**39**	**J**	**29**	**J**	350	U	730	U	190	U	3,600	U
Endosulfan Sulfate	71	U	35	U	350	U	730	U	190	U	3,600	U
4,4'-DDT	**710**		**400**		**3,700**		**9,700**	**J**	**2,000**	**J**	**14,000**	
Methoxyclor	360	U	180	U	1,800	U	3,800	U	960	U	19,000	U
Endrin ketone	71	U	35	U	350	U	730	U	190	U	3,600	U
Endrin aldehyde	71	U	35	U	350	U	730	U	190	U	3,600	U
alpha-Chlordane	36	U	18	U	180	U	380	U	96	U	1,900	U
gamma-Chlordane	36	U	18	U	180	U	380	U	96	U	1,900	U
Toxaphene	3,600	U	1,800	U	18,000	U	38,000	U	9,600	U	190,000	U
Aroclor 1016	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
Aroclor 1221	1,400	U	720	U	7,100	U	15,000	U	3,800	U	74,000	U
Aroclor 1232	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
Aroclor 1242	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
Aroclor 1248	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
Aroclor 1254	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
Aroclor 1260	710	U	350	U	3,500	U	7,300	U	1,900	U	36,000	U
2,4'-DDE	71	U	35	U	350	U	700	J	190	U	3,600	U
2,4'-DDD	71	U	35	U	350	U	730	U	190	U	3,600	U
2,4'-DDT	**150**	**J**	**110**	**J**	**530**	**J**	**2,500**	**J**	**420**	**J**	**3,000**	**J**
Total DDT, DDE & DDD	1,559		1,129		5,230		17,900		3,190		19,400	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-34		SB-36		SB-41		SB-42		SB-45		SB-49	
Sample No.	523310		523315		523331		524015		523337		523348	
Sample Date:	12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		13-Mar-97		13-Mar-97	
Sample Depth:	Surface		Surface		Surface		Surface		2.5 - 3		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
beta-BHC	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
delta-BHC	340	J	1,900	U	2.1	U	20	U	2.0	U	2.0	U
gamma-BHC (Lindane)	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Heptachlor	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Aldrin	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Heptachlor Epoxide	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Endosulfan I	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Dieldrin	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDE	**1,700**		**3,400**	**J**	**5.8**		**200**		3.8	U	3.8	U
Endrin	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endosulfan II	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDD	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endosulfan Sulfate	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDT	**7,900**		**26,000**		**8.5**		**420**	**J**	**2.2**	**J**	**4.1**	
Methoxyclor	3,800	U	19,000	U	21	U	200	U	20	U	20	U
Endrin ketone	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endrin aldehyde	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
alpha-Chlordane	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
gamma-Chlordane	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Toxaphene	38,000	U	190,000	U	210	U	2,000	U	200	U	200	U
Aroclor 1016	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1221	15,000	U	74,000	U	82	U	790	U	78	U	78	U
Aroclor 1232	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1242	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1248	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1254	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1260	7,300	U	36,000	U	40	U	390	U	38	U	38	U
2,4'-DDE	730	U	3,600	U	4.0	U	**21**	**J**	3.8	U	3.8	U
2,4'-DDD	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
2,4'-DDT	**1,800**	**J**	**5,000**	**J**	4.0	U	**100**	**J**	3.8	U	3.8	U
Total DDT, DDE & DDD	**11,400**		**34,400**		**14**		**741**		**2**		**4**	

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-55		SB-55		SB-56		SB-56		SB-57		SB-57	
Sample No.	523363		523364		523366		523367		523368		523369	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
beta-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
delta-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
gamma-BHC (Lindane)	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Heptachlor	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Aldrin	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Heptachlor Epoxide	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Endosulfan I	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Dieldrin	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDE	**170**		**65**		**1,200**		**30**		**150,000**	**J**	**8,900**	
Endrin	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endosulfan II	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDD	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endosulfan Sulfate	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDT	**210**		83	U	**3,100**		53	U	**1,500,000**		**6,200**	
Methoxyclor	100	U	40	U	2,000	U	20	U	780,000	U	20,000	U
Endrin ketone	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endrin aldehyde	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
alpha-Chlordane	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
gamma-Chlordane	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Toxaphene	1,000	U	400	U	20,000	U	200	U	7,800,000	U	200,000	U
Aroclor 1016	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1221	400	U	160	U	7,900	U	78	U	3,100,000	U	77,000	U
Aroclor 1232	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1242	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1248	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1254	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1260	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
2,4'-DDE	**12**	**J**	**5.3**	**J**	390	U	**2.6**	**J**	150,000	U	3,800	U
2,4'-DDD	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
2,4'-DDT	**77**	**J**	**25**	**J**	**750**	**J**	13	U	**450,000**	**J**	**2,400**	**J**
Total DDT, DDE & DDD	469		95		5,050		33		2,100,000		17,500	

Note: Positive detections are bolded for clarity.

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UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-58		SB-58 (M-58)		SB-58		SB-59		SB-59		SB-60	
Sample No.	523372		523373		523374		523375		523377		523378	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		Surface (REP)		2.5 - 3		1 - 1.5		3 - 3.5		1 - 1.5	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
beta-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
delta-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	**250,000**	
gamma-BHC (Lindane)	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Heptachlor	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Aldrin	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Heptachlor Epoxide	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Endosulfan I	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Dieldrin	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDE	**53,000**	**J**	**250,000**		**2,000**		**98,000**		**14,000**		**1,500,000**	
Endrin	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
Endosulfan II	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDD	80,000	U	100,000	U	380	U	**230,000**	**J**	1,900	U	**240,000**	**J**
Endosulfan Sulfate	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDT	**780,000**		**1,600,000**		**2,500**		**860,000**		**16,000**		**3,300,000**	
Methoxyclor	410,000	U	540,000	U	1,900	U	1,000,000	U	9,800	U	1,000,000	U
Endrin ketone	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
Endrin aldehyde	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
alpha-Chlordane	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
gamma-Chlordane	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Toxaphene	4,100,000	U	5,400,000	U	19,000	U	10,000,000	U	98,000	U	10,000,000	U
Aroclor 1016	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1221	1,600,000	U	2,100,000	U	7,600	U	3,900,000	U	38,000	U	4,100,000	U
Aroclor 1232	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1242	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1248	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1254	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1260	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
2,4'-DDE	800,000	U	**58,000**	**J**	380	U	190,000	U	**1,000**	**J**	**240,000**	
2,4'-DDD	800,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
2,4'-DDT	**140,000**	**J**	**390,000**	**J**	**790**	**J**	**140,000**	**J**	**5,400**	**J**	**780,000**	**J**
Total DDT, DDE & DDD	973,000		2,298,000		5,290		1,328,000		36,400		6,060,000	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits

UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-60		SB-61		SB-61		SB-62		SB-62		SB-63	
Sample No.	523380		523381		523382		523383		523384		524001	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		12-Mar-97	
Sample Depth:	3 - 3.5		1 - 1.5		3 - 3.5		1 - 1.5		3 - 3.5		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
beta-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
delta-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
gamma-BHC (Lindane)	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Heptachlor	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Aldrin	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Heptachlor Epoxide	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Endosulfan I	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Dieldrin	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDE	**210**		**780,000**		**480**		**63,000**		**110**		**620**	
Endrin	37	U	78,000	U	38	U	8,000	U	38	U	40	U
Endosulfan II	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDD	**22**	**J**	**43,000**	**J**	**16**	**J**	**9,700**	**J**	**34**	**J**	40	U
Endosulfan Sulfate	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDT	**440**		**1,100,000**		**450**		**100,000**		**390**		**550**	**J**
Methoxyclor	37	U	400,000	U	200	U	41,000	U	200	U	200	U
Endrin ketone	37	U	78,000	U	38	U	8,000	U	38	U	40	U
Endrin aldehyde	19	U	78,000	U	38	U	8,000	U	38	U	40	U
alpha-Chlordane	19	U	40,000	U	20	U	4,100	U	20	U	20	U
gamma-Chlordane	1,900	U	40,000	U	20	U	4,100	U	20	U	20	U
Toxaphene	370	U	4,000,000	U	2,000	U	410,000	U	2,000	U	2,000	U
Aroclor 1016	750	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1221	370	U	1,600,000	U	770	U	160,000	U	770	U	810	U
Aroclor 1232	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1242	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1248	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1254	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1260	370	U	780,000	U	380	U	80,000	U	380	U	400	U
2,4'-DDE	**29**	**J**	**110,000**		**34**	**J**	**13,000**		38	U	45	
2,4'-DDD	37	U	78,000	U	38	U	**4,900**	**J**	**30**	**J**	**21**	**J**
2,4'-DDT	**110**	**J**	**340,000**	**J**	**160**	**J**	**23,000**	**J**	**84**	**J**	**200**	**J**
Total DDT, DDE & DDD	**811**		**2,373,000**		**1,140**		**213,600**		**648**		**1,436**	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-63		SB-64		SB-64		SB-65		SB-65		SB-66	
Sample No.	524002		524003		524005		524006		524007		524008	
Sample Date:	12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97	
Sample Depth:	2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	39	U	41	U	20	U	40	U	39	U	10,000	U
beta-BHC	39	U	41	U	20	U	40	U	39	U	10,000	U
delta-BHC	39	U	41	U	20	U	**21**	**J**	39	U	10,000	U
gamma-BHC (Lindane)	39	U	41	U	20	U	40	U	39	U	10,000	U
Heptachlor	39	U	41	U	20	U	40	U	39	U	10,000	U
Aldrin	39	U	41	U	20	U	40	U	39	U	10,000	U
Heptachlor Epoxide	39	U	41	U	20	U	40	U	39	U	10,000	U
Endosulfan I	39	U	41	U	20	U	40	U	39	U	10,000	U
Dieldrin	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDE	**860**		**600**		**470**		**650**		**560**		**73,000**	
Endrin	76	U	80	U	39	U	78	U	76	U	20,000	U
Endosulfan II	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDD	76	U	80	U	39	U	78	U	76	U	**38,000**	**J**
Endosulfan Sulfate	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDT	**560**	**J**	**770**	**J**	**560**	**J**	**1,000**	**J**	**570**	**J**	**300,000**	
Methoxyclor	390	U	410	U	200	U	400	U	390	U	100,000	U
Endrin ketone	76	U	80	U	39	U	78	U	76	U	20,000	U
Endrin aldehyde	76	U	80	U	39	U	78	U	76	U	20,000	U
alpha-Chlordane	39	U	41	U	20	U	40	U	39	U	10,000	U
gamma-Chlordane	39	U	41	U	20	U	40	U	39	U	10,000	U
Toxaphene	3,900	U	4,100	U	2,000	U	4,000	U	3,900	U	1,000,000	U
Aroclor 1016	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1221	1,500	U	1,600	U	790	U	1,600	U	1,500	U	410,000	U
Aroclor 1232	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1242	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1248	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1254	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1260	760	U	800	U	390	U	780	U	760	U	200,000	U
2,4'-DDE	**60**	**J**	**41**	**J**	**30**	**J**	**45**	**J**	76	U	**10,000**	**J**
2,4'-DDD	76	U	80	U	39	U	78	U	76	U	**23,000**	
2,4'-DDT	**250**	**J**	**240**	**J**	**180**	**J**	**300**	**J**	**190**	**J**	**55,000**	**J**
Total DDT, DDE & DDD	**1,730**		**1,651**		**1,240**		**1,995**		**1,320**		**499,000**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-66		SB-67		SB-67		SB-68		SB-68		SB-69	
Sample No.	524010		523385		523386		523387		523388		523392	
Sample Date:	12-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µ/g/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	99	U	10,000	U	39	U	**70**	**J**	9.8	U	2,000	U
beta-BHC	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
delta-BHC	99	U	10,000	U	39	U	**300**		9.8	U	2,000	U
gamma-BHC (Lindane)	99	U	10,000	U	39	U	**44**	**J**	9.8	U	2,000	U
Heptachlor	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Aldrin	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Heptachlor Epoxide	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Endosulfan I	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Dieldrin	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDE	**1,500**		**85,000**		**650**		**180**		**130**		**17,000**	
Endrin	190	U	19,000	U	76	U	39	U	19	U	3,900	U
Endosulfan II	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDD	190	U	19,000	U	**29**	**J**	**20**	**J**	19	U	3,900	U
Endosulfan Sulfate	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDT	**1,300**	**J**	**140,000**		**780**		**380**		**190**		**20,000**	
Methoxyclor	990	U	100,000	U	390	U	200	U	98	U	20,000	U
Endrin ketone	190	U	19,000	U	76	U	39	U	19	U	3,900	U
Endrin aldehyde	190	U	19,000	U	76	U	39	U	19	U	3,900	U
alpha-Chlordane	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
gamma-Chlordane	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Toxaphene	9,900	U	1,000,000	U	3,900	U	2,000	U	980	U	200,000	U
Aroclor 1016	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1221	3,900	U	390,000	U	1,500	U	790	U	380	U	80,000	U
Aroclor 1232	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1242	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1248	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1254	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1260	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
2,4'-DDE	**110**	**J**	**14,000**	**J**	**52**	**J**	**20**	**J**	**11**	**J**	**3,000**	**J**
2,4'-DDD	190	U	19,000	U	76	U	39	U	19	U	3,900	U
2,4'-DDT	**440**	**J**	**44,000**	**J**	**260**	**J**	**120**	**J**	**60**	**J**	**6,800**	**J**
Total DDT, DDE & DDD	**3,350**		**283,000**		**1,771**		**720**		**391**		**46,800**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-69		SB-69		SB-70		SB-70		SB-71		SB-71	
Sample No.	523395		523393		523390		523391		523319		523320	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		13-Mar-97		13-Mar-97	
Sample Depth:	Surface (REP)		2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
beta-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
delta-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
gamma-BHC (Lindane)	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Heptachlor	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Aldrin	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Heptachlor Epoxide	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Endosulfan I	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Dieldrin	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDE	**220,000**		**2,600**		**1,400**		**2,400**		**2,700**	J	24	U
Endrin	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
Endosulfan II	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDD	**31,000**	J	380	U	200	U	380	U	3,600	U	7.6	U
Endosulfan Sulfate	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDT	**580,000**		**4,000**		**1,000**		**1,600**		**21,000**	J	78	U
Methoxyclor	210,000	U	2,000	U	1,000	U	2,000	U	19,000	U	39	U
Endrin ketone	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
Endrin aldehyde	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
alpha-Chlordane	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
gamma-Chlordane	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Toxaphene	2,100,000	U	20,000	U	10,000	U	20,000	U	190,000	U	390	U
Aroclor 1016	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1221	820,000	U	7,700	U	4,000	U	7,700	U	74,000	U	150	U
Aroclor 1232	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1242	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1248	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1254	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1260	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
2,4'-DDE	**26,000**	J	**210**	J	**110**	J	380	U	3,600	U	4.1	U
2,4'-DDD	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
2,4'-DDT	**160,000**	J	**1,300**	J	**390**	J	**670**	J	**4,100**	J	18	U
Total DDT, DDE & DDD	**1,017,000**		**8,110**		**2,900**		**4,670**		**27,800**		0	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits

UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-72		SB-72		EB		EB		EB		EB	
Sample No.	523317		523318		524049		523304		523436		524057	
Sample Date:	13-Mar-97		13-Mar-97		12-Mar-97		11-Mar-97		10-Mar-97		13-Mar-97	
Sample Depth:	Surface		2.5 - 3									
Units:	µg/Kg		µg/Kg		µg/L		µg/L		µg/L		µg/L	
Matrix:	Soil		Soil		Water		Water		Water		Water	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
beta-BHC	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	**31**	**J**	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Aldrin	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor Epoxide	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	77	U	7.8	U	**0.090**	**J**	0.10	U	0.10	U	0.10	U
4,4'-DDE	**83**		18	U	**0.073**	**J**	0.10	U	**0.065**	**J**	0.096	U
Endrin	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	77	U	7.8	U	**0.18**	**J**	0.10	U	0.18	U	0.10	U
Endosulfan Sulfate	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	**760**	**J**	77	U	0.19	U	0.10	U	0.12	U	0.26	U
Methoxyclor	400	U	40	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	40	U	4.0	U	**0.028**	**J**	0.050	U	0.050	U	0.050	U
Toxaphene	4,000	U	400	U	5.0	U	5.0	U	5.0	U	5.0	U
Aroclor 1016	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1221	1,600	U	160	U	2.0	U	2.0	U	2.0	U	2.0	U
Aroclor 1232	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1242	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1248	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1254	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1260	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
2,4'-DDE	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
2,4'-DDD	77	U	7.8	U	**0.070**	**J**	0.10	U	0.10	U	0.10	U
2,4'-DDT	**150**	**J**	18	U	**0.10**	**J**	0.10	U	**0.085**	**J**	0.10	U
Total DDT, DDE & DDD	**993**		0		**0.42**		0.00		**0.150**		0.00	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits

UJ = Compound was not detected above an estimated detection limit

Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	SB-07		SB-14		SB-18		SB-55		SB-57		SB-57 (M-57)		SB-59		SB-60	
Sample No.	523422		523443		523352		523365		523370		523371		523376		523379	
Sample Date:	10-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		Surface		Surface		2.5 - 3		2.5 - 3		2.5 - 3 (REP)		3 - 3.5		3 - 3.5	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC	
Chloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Bromomethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Vinyl Chloride	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Chloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Methylene Chloride	**6**	J	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Acetone	**77**		**230**	J	120	UJ	12	U	12	U	12	U	11	U	**54**	
Carbon Disulfide	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethene (total)	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Chloroform	**13**		120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,2-Dichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
2-Butanone	12	U	120	UJ	120	UJ	12	U	12	U	12	U	11	U	12	U
1,1,1-Trichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Carbon Tetrachloride	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Bromodichloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,2-Dichloropropane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
cis-1,3-Dichloropropene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Trichloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Dibromochloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1,2-Trichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Benzene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
trans-1,3-Dichloropropene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Bromoform	12	U	120	U	120	UJ	12	U	12	U	12	U	11	U	12	U
4-Methyl-2-Pentanone	12	U	120	U	120	U	12	U	12	U	12	U	11	U	**8**	J
2-Hexanone	12	U	120	UJ	120	U	12	U	12	U	12	U	11	U	12	U
Tetrachloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1,2,2-Tetrachloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Toluene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Chlorobenzene	**200**		**2,900**	J	**3,700**	J	12	U	12	U	12	U	11	U	**100**	
Ethylbenzene	**8**	J	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Styrene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Xylene (Total)	12	U	120	U	120	U	12	U	12	U	12	U	11	U		

Note: Positive detections are bolded for clarity.
U = Compound was not detected above reported detection limit
J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits
UJ = Compound was not detected above an estimated detection limit

Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	SB-64		SB-66		SB-68		SB-69		SB-72		TB		TB		EB	
Sample No.	524004		524009		523389		523394		524053		524044-45		524047-48		524050-52	
Sample Date:	12-Mar-97		12-Mar-97		11-Mar-97		11-Mar-97		13-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97	
Sample Depth:	Surface		2.5 - 3		2.5 - 3		2.5 - 3		2.5 - 3							
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/L		µg/L		µg/L	
Matrix:	Soil		Soil		Soil		Soil		Soil		Water		Water		Water	
Method:	CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC	
Chloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromomethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Vinyl Chloride	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Methylene Chloride	**9**	**J**	**9**	**J**	**7**	**J**	**10**	**J**	**7**	**J**	10	U	10	U	10	U
Acetone	12	UJ	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
Carbon Disulfide	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethene (total)	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chloroform	**7**	**J**	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,2-Dichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
2-Butanone	12	U	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
1,1,1-Trichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Carbon Tetrachloride	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromodichloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,2-Dichloropropane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Trichloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Dibromochloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1,2-Trichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Benzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromoform	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
2-Hexanone	12	UJ	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
Tetrachloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Toluene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chlorobenzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Ethylbenzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Styrene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Xylene (Total)	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U

Note: Positive detections are bolded for clarity.
U = Compound was not detected above reported detection limit
J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits
UJ = Compound was not detected above an estimated detection limit

Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	TB		EB		TB		EB		TB		TB	
Sample No.	524054		524055-56		523396		523433-35		523301-03		523398-99	
Sample Date:	13-Mar-97		13-Mar-97		11-Mar-97		10-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:												
Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Matrix:	Water		Water		Water		Water		Water		Water	
Method:	CLP	VOC	CLP	VOC	CLP	VOC	CLP	VOC	CLP	VOC	CLP	VOC
Chloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	UJ	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene (total)	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	UJ	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U	10	U
Xylene (Total)	10	U	10	U	10	U	10	U	10	U	10	U

Note: Positive detections are bolded for clarity.
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UJ = Compound was not detected above an estimated detection limit

Table 5
Immunoassay Validation
Northwest Corner, Former Montrose Facility

SDG	NC	LCS Range	Sample Number	MS	Sample Results
3085	ND (<0.2)	1-10	523427	10-100	2-10
3086	ND (<0.2)	1-10	--	--	--
3091	ND (<0.2)	1-10	523358	20-100	20-100
3092	ND (<0.2)	1-10	523359	20-100	100-1000
3106	ND (<0.2)	1-10	524028	20-100	20-100
3106	ND (<0.2)	1-10	524020	2-10	ND (<2)
3108	ND (<0.2)	1-10	524039	10-100	ND (<2)
3108	ND (<0.2)	1-10	524042	10-100	10-100
3121	ND (<0.2)	1-10	523313	2-10	ND (<2)
3121	ND (<0.2)	1-10	523331	2-10	ND (<2)
3122	ND (<0.2)	1-10	523344	2-10	10-100
3123	ND (<0.2)	1-10	--	--	--

NOTE: Results in mg/kg

SDG - Sample Delivery Group

ND - Not detected above the reporting limit for the method

LCS - Laboratory Control Sample

MS - Matrix Spike, 5 mg/Kg

NC - Negative Control

Table 6
DDT Immunoassay
Replicate/Duplicate Comparison Summary
Northwest Corner, Former Montrose Facility

Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG	Sample Result Total DDT (mg/kg)	Replicate/Duplicate Result Total DDT (mg/kg)
SB-02	3/10/97	2.5 - 3	523404	3085	20-100	20-100 / 20-100**
SB-03	3/10/97	Surface	523405	3085	20-100	< 20
SB-06	3/10/97	Surface	523417	3085	20-100	200-1,000
SB-09	3/10/97	2.5 - 3	523427	3085	2-10	2-10
SB-10	3/10/97	Surface	523428	3086	2,000-10,000	100-1,000
SB-12	3/10/97	2.5 - 3	523438	3086	20-100	< 20
SB-14	3/11/97	Surface	523441	3091	2,000-10,000	10,000-100,000
SB-18	3/11/97	Surface	523351	3091	1,000-10,000	1,000-10,000
SB-18	3/11/97	2.5 - 3	523353	3091	20-100	20-100
SB-20	3/11/97	2.5 - 3	523358	3091	20-100	20-100
SB-21	3/11/97	Surface	523359	3092	100-1,000	100-1,000
SB-24	3/12/97	Surface	524028	3106	20-100	20-100
SB-25D	3/12/97	Comp.	523344	3122	10-100	< 2
SB-28	3/12/97	Surface	524034	3108	2-10	2-10
SB-30	3/12/97	Surface	524039	3108	< 2	< 2
SB-30	3/12/97	2.5 - 3	524040	3108	< 2	< 2
SB-31	3/12/97	Surface	524042	3108	10 - 100	10 - 100
SB-34	3/12/97	Surface	523310	3121	10-100	10-100
SB-35	3/12/97	Surface	523313	3121	< 2	< 2
SB-39	3/12/97	2.5 - 3	523329	3121	< 2	< 2
SB-41	3/12/97	Surface	523331	3121	< 2	< 2
SB-43	3/12/97	2.5 - 3	523334	3122	< 2	< 2
SB-46	3/12/97	2.5 - 3	524020	3106	< 2	2 - 10
SB-47	3/12/97	Surface	523338	3122	< 2	< 2
SB-48	3/12/97	2.5 - 3	524022	3106	< 2	< 2

* Depth below any artificial cover or road base.

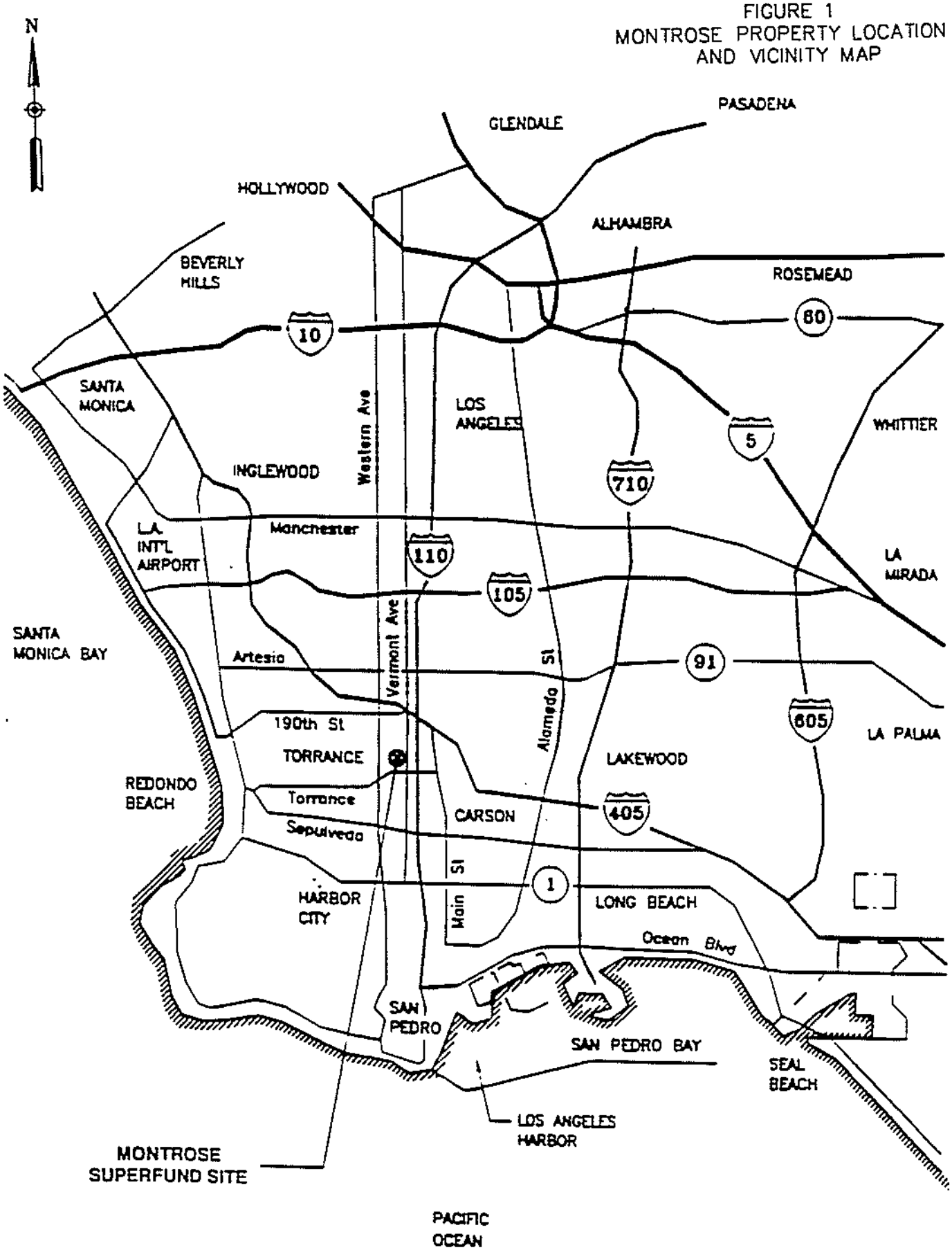
** Triplicate analysis performed.

Table 7
Comparison of DDT Immunoassay and CLP Pesticide Results
Northwest Corner, Former Montrose Facility

Location	Sample Depth (feet)	Sample #	Concentration (mg/Kg) DDT Immunoassay	Concentration (mg/Kg) DDT (EPA 8080)	CLP Result in Immunoassay Range	CLP Result Less Than Immunoassay Range	CLP Result Greater Than Immunoassay Range
SB-01	Surface	523401	1000-10000	2,620	X		
SB-03	Surface	523405	20-100	9.9		X	
SB-04	Surface	523413	1000-10000	2,020	X		
SB-06	Surface	523419	200-1000	527	X		
SB-10	Surface	523428	2000-10000	4150	X		
SB-11	2.5 - 3	523432	20-100	1680			X
SB-14	Surface - REP	523442	10000-100000	7,620		X	
SB-16	Surface	523447	2000-10000	5,080	X		
SB-20	Surface	523357	10000-100000	6,610		X	
SB-21	Surface	523359	100-1000	2,416			X
SB-24	Surface	524028	20-100	124.2			X
SB-25D	Composite	523344	10-100	1.13		X	
SB-25A-D	Composite	523341-44	< 2-100	1.56	X		
SB-26	Surface	524030	20-100	5.23		X	
SB-28	Surface	524034	2-10	17.9			X
SB-30	Surface	524039	< 2	3.19			X
SB-32	Surface	523306	10-100	19.4	X		
SB-34	Surface	523310	10-100	11.4	X		
SB-36	Surface	523315	> 100	34.4		X	
SB-41	Surface	523331	< 2	0.015	X		
SB-42	Surface	524015	< 2	0.74	X		
SB-45	2.5 - 3	523337	< 2	0.002	X		
SB-49	2.5 - 3	523348	< 2	0.004	X		
SB-6	2.5 - 3	523420	1000-10000	5.26		X	

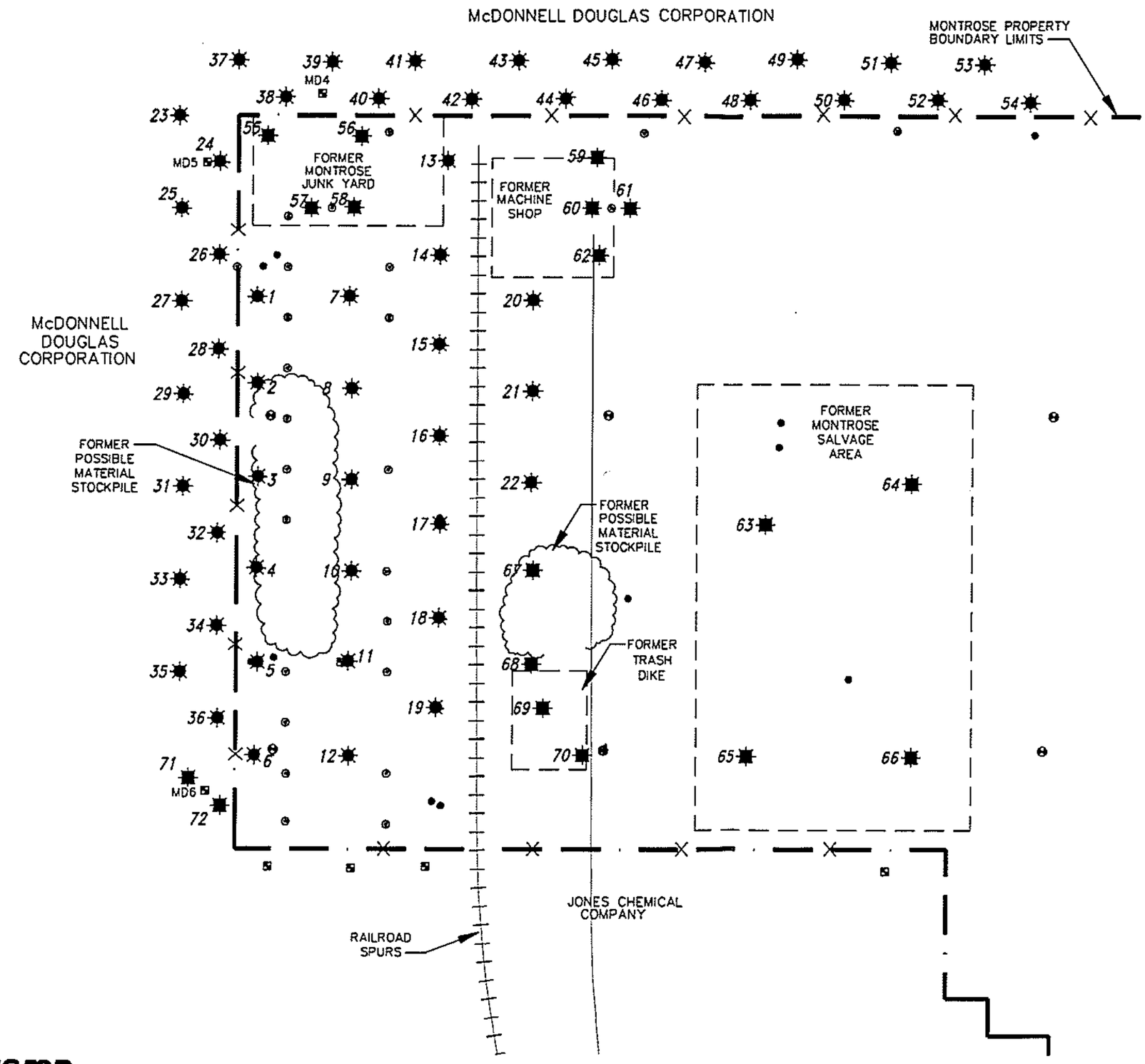
Figures

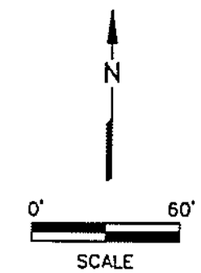
FIGURE 1
MONTROSE PROPERTY LOCATION
AND VICINITY MAP



McLaren Hart

FIGURE 2
FORMER SOIL SAMPLE LOCATIONS AND McLAREN/HART SAMPLE LOCATIONS, NORTHWEST CORNER OF FORMER MONTROSE FACILITY





LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1986 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB-63 ETC.)

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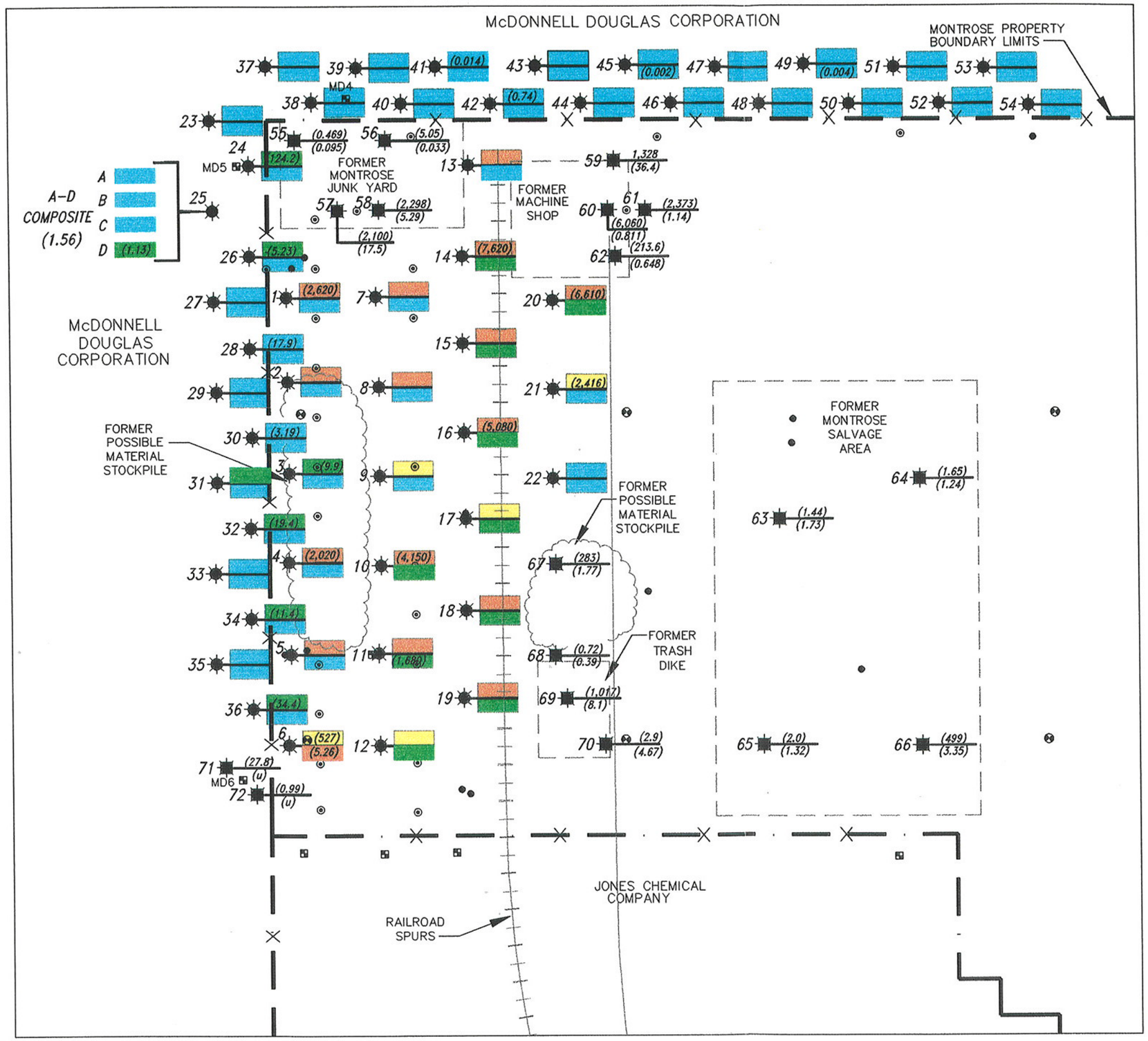
MONTROSE/FIG2-997.DWG (9/17/97)

FIGURE 3
SOIL ANALYSIS RESULTS
CLP–PESTICIDES AND
DDT IMMUNOASSAY
NORTHWEST CORNER OF
FORMER MONTROSE FACILITY



N

0' 60'
SCALE

LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1986 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB–63 ETC.)

Range of DDT Immunoassay (mg/kg)

- 0–10
- >10–200
- >200–1000
- >1000

22 Shallow (27.8) Subsurface

Sample Location

CLP Pesticides (mg/kg)

(u) Compound was not detected above reported detection limits

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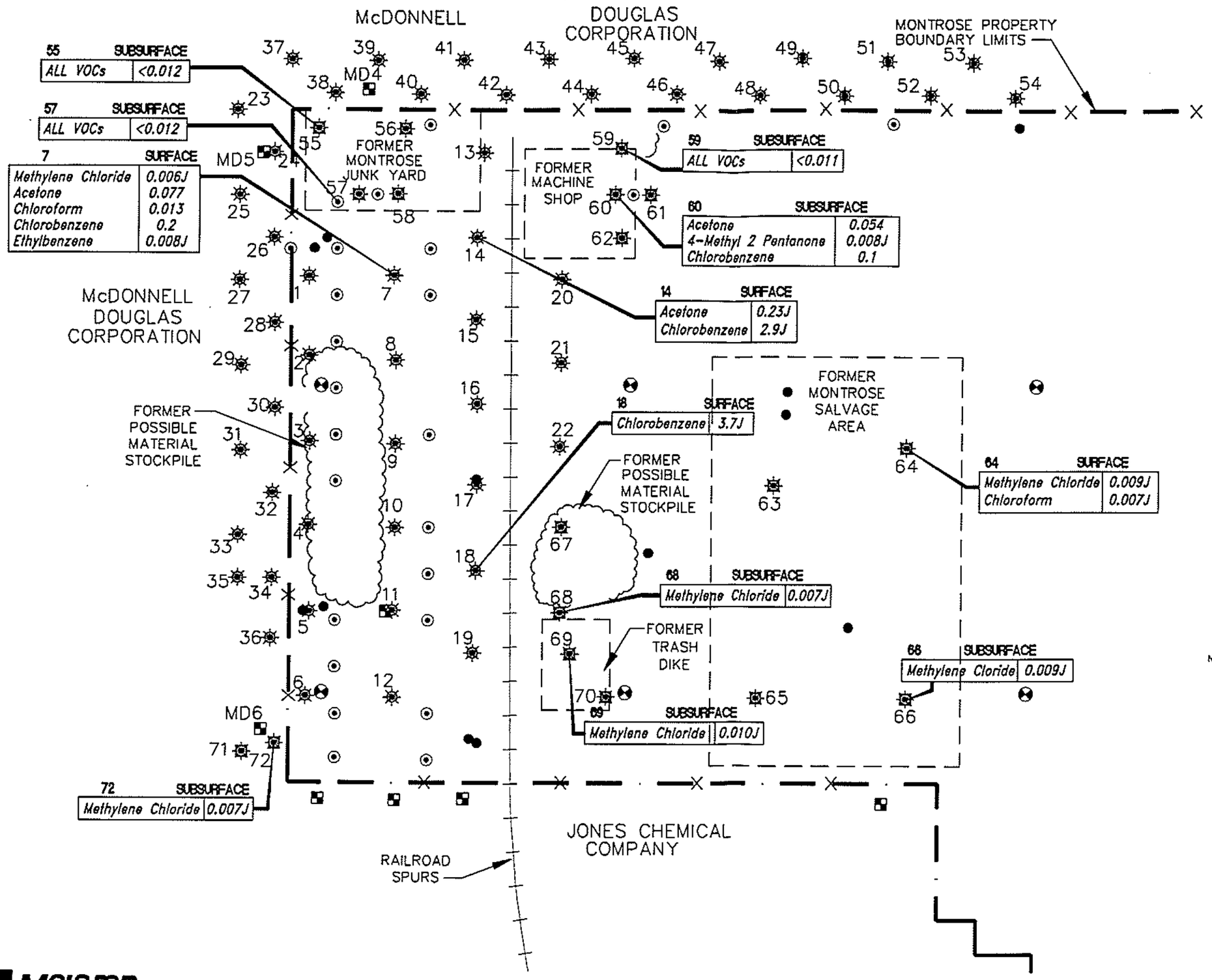
MONTROSE/FIG7A.DWG (5/19/97) vlb

FIGURE 4
SOIL ANALYTICAL RESULTS,
CLP VOLATILES,
NORTHWEST CORNER OF
FORMER MONTROSE FACILITY



LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1986 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: CLP VOLATILE SAMPLING ONLY OCCURRED AT LOCATIONS WHERE DATA ARE SHOWN ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB-63 ETC.)

CONCENTRATIONS IN mg/kg

J QUALIFIER CODE "J" AFTER CONCENTRATION INDICATES RESULT IS CONSIDERED SEMI-QUANTITATIVE. QA/QC PARAMETERS ARE SLIGHTLY OUTSIDE THE CONTROL LIMITS

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MONTRO97/1997/RANCHO/MAY97/FIG4_997.DWG (9/17/97)

Appendix A

Soil Sample Location Lithology Summary

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
ON PROPERTY	SB-01	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-02	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-03	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-04	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-05	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-06	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-07	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0 (s)
	SB-08	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-10	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-11	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-12	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-13	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-14	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	160 (s)
	SB-15	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-16	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-17	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-18	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	23 (s)
	SB-19	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-20	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-21	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-22	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
OFF PROPERTY	SB-23	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-24	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25A	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25B	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25C	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25D	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-26	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-27	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
OFF PROPERTY (cont.)	SB-28	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-29	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-30	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-31	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-32	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-33	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-34	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-35	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-36	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-37	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-38	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-39	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-40	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-41	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-42	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-43	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-44	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-45	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-46	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-47	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-48	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-49	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-50	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-51	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-52	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-53	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-54	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
FORMER "JUNK YARD"	SB-55	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-56	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-57	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	22 (s)
	SB-58	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER MACHINE SHOP	SB-59	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-60	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	160 (s)
	SB-61	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-62	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER "SALVAGE AREA"	SB-63	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-64	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-65	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-66	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER "TRASH DIKE"	SB-67	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-68	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-69	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-70	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
VICINITY BORING MD6	SB-71	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-72	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0

* Note: "s" denoted surface samples, "ss" denotes subsurface samples

All surface type layer thicknesses are detailed in Table 1. The first surface soil sample was taken in the layer directly below the surface from 1 to 2.5 ft (asphalt etc.) and the

APPENDIX K

RESULTS OF FIELD SAMPLING, NORTHWEST CORNER OF
FORMER MONTROSE CHEMICAL PLANT,
LOS ANGELES COUNTY, CALIFORNIA
(Prepared by McLaren/Hart, Inc.
October 10, 1997)

*Disclaimer—The report is included for reference only. The results and conclusions presented in this report are not necessarily endorsed by the U.S. Environmental Protection Agency.

Prepared by:
McLaren/Hart
16755 Von Karman
Irvine, California 92606-4918

October 10, 1997

RESULTS OF FIELD SAMPLING
NORTHWEST CORNER OF
FORMER MONTROSE CHEMICAL PLANT
20201 NORMANDIE AVENUE
LOS ANGELES COUNTY, CALIFORNIA

McLaren Hart®
ENVIRONMENTAL ENGINEERING CORPORATION

Results of Field Sampling
Northwest Corner of Former Montrose Chemical Plant Los Angeles County, California

McLaren/Hart Project No. 03.0602750.001.008

October 10, 1997

Prepared for: **U.S. Environmental Protection Agency - Region IX, Superfund Enforcement Branch**
and
Montrose Chemical Corporation of California

Prepared by: **McLaren/Hart, Inc.**
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Table 4	Soil Analytical Results - CLP - Volatiles
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Table 6	DDT Immunoassay Replicate/Duplicate Comparison Summary
Table 7	Comparison of DDT Immunoassay and CLP Pesticide Results

FIGURES

Figure 1	Location Map, Former Montrose Chemical Plant, 20201 Normandie Avenue, Los Angeles County, California
Figure 2	Former Sample Locations and McLaren/Hart Sample Locations, Northwest Corner of Former Montrose Facility
Figure 3	Soil Analytical Results, CLP-Pesticide and DDT Immunoassay, Northwest Corner of Former Montrose Facility
Figure 4	Soil Analytical Results, CLP Volatiles, Northwest Corner of Former Montrose Facility

APPENDICES

Appendix A	Soil Sample Location Lithology Summary

EXECUTIVE SUMMARY

The former Montrose Chemical Plant, located at 20201 Normandie Avenue, Los Angeles County, California, is the site of a former pesticide manufacturing facility and is surrounded by other former and current industrial properties. Montrose manufactured dichlorodiphenyltrichloroethane (DDT) on the property from 1947 until the plant closed in mid-1982. The Montrose plant was demolished between June and August 1982. In April 1985, the entire property was graded and capped with asphalt and to minimize surface water infiltration and to prevent air or surface water transport of soil.

During the time period of 1985 through 1991, a site-wide Remedial Investigation was conducted in accordance with United States Environmental Protection Agency (EPA) Administrative Order of Consent, EPA Docket Number 85-04, and the results of the investigation were initially presented in a 1992 draft report prepared by Hargis + Associates, Inc. The report presented extensive soil sampling data generated by investigation by Hargis & Montgomery in 1983, Metcalf & Eddy in 1985 and Hargis + Associates in 1986. These field programs were conducted under strict quality assurance procedures and documentation. Subsequent to preparation of the 1992 draft Remedial Investigation report, the EPA and Montrose became aware of soil sampling information that had been generated by Stauffer Chemical Company (Stauffer) in 1983. The data were presented only in a summary table. No analytical data sheets, or chain-of-custody forms, sampling, description, or quality control information were included with the data summary table. Therefore, the data are viewed as undocumented qualitative results. The undocumented qualitative data indicated soils on the northwest corner of the property may have higher concentrations of DDT than reported in the 1992 Remedial Investigation report.

Despite concerns that the Stauffer data lacked standard quality assurance documentation regarding the sampling techniques used, criteria for sample location selection, chain-of-custody forms, analytical methodology, and laboratory data sheets, the information was incorporated in a 1996 revised Remedial Investigation report prepared by Hargis + Associates.

In 1995, the EPA requested that Montrose conduct a supplemental investigation to further characterize soil conditions in the northwest corner of the property. The specific objectives of this investigation were to:

- Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983;
- Evaluate soil chemical characteristics at specific historical property features;
- Evaluate soil chemical characteristics at former sampling points that revealed elevated DDT or hexachlorocyclohexane (BHC) concentrations from past sampling programs;
- Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property; and
- Screen for the potential presence of Volatile Organic Compounds (VOCs) in subsurface soils at the northwest corner of the property.

Soil samples were collected and analyzed using a combination of screening level immunoassay tests for DDT, Contract Laboratory Program (CLP) pesticide analyses, and CLP VOC analyses. Results of the northwest corner field investigation successfully completed the evaluation of on- and off-property soil conditions. The screening level immunoassay tests for DDT provide qualitative ranges of results compared to the quantitative result provided by the CLP analyses. Discussions of the data related to the specific investigation objectives are presented below.

Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983

Evaluation of CLP pesticide and immunoassay results from grid samples collected in the area of the former Stauffer sampling points indicate that DDT is present in this area, but at significantly lower levels than indicated by the undocumented qualitative data reported by Stauffer. Results of ten CLP pesticide analyses showed total DDT concentrations ranging from 9.9 to 7,620 milligrams per kilogram (mg/kg). The results of 48 screening level DDT immunoassay tests were consistent with the CLP pesticide results and were typically within the ranges of 0-10 mg/kg to 1,000-10,000 mg/kg DDT, with only one result greater than 10,000 mg/kg DDT. Immunoassay results indicated that the highest DDT concentrations are in surface soils and that DDT concentrations in subsurface soils are typically below 100 mg/kg.

Results of soil sampling in this area indicate that the data reported by Stauffer in 1983, which suggested DDT concentrations up to 710,000 mg/kg were present, are not representative of current soil conditions.

Evaluate soil chemical characteristics at specific historical property features

These areas include a possible material storage area located along the western property boundary and a former machine shop. Sampling in these areas indicate that DDT is present, but at lower levels than indicated by information reported by Stauffer in 1983.

Eight grid sampling points were located in the possible material storage area. Results of four CLP pesticide analyses showed total DDT concentrations ranging from 9.9 to 4,150 mg/kg. The results of 9 screening level DDT immunoassay tests were consistent with the CLP pesticide results and were within the ranges of 0-10 mg/kg to 1,000-10,000 mg/kg DDT. Immunoassay results indicated that the highest DDT concentrations are in surface soils and that DDT concentrations in subsurface soils are typically below 100 mg/kg. These concentrations are significantly lower than the DDT concentrations found during the 1983 investigations conducted in this area by both Stauffer and Hargis & Montgomery before the site was graded and capped in 1985.

For 11 on-property grid point confirmation soil samples analyzed for CLP pesticides, only one sample showed a positive detection (61 mg/kg) of total BHC.

Four locations were sampled at two depths in the vicinity of the former machine shop. Surface soil samples had DDT concentrations ranging from 213 to 6,060 mg/kg while subsurface samples had DDT concentrations ranging from 0.65 to 36 mg/kg. The range of DDT concentrations detected are significantly lower than the maximum concentration of 110,000 mg/kg reported by Stauffer in this area. Only one positive detection of total BHC (250 mg/kg) was reported in the eight samples.

Evaluate soils at former sampling points that revealed elevated DDT or BHC levels inside the former "trash dike", "salvage area" and "junk yard"

Four locations were sampled at two depths at the "trash dike" and the area immediately north of the former "trash dike", where material may have been stored in the past. Surface soil samples had DDT concentrations of 0.72, 2.9, 283, and 1,017 mg/kg while subsurface samples had DDT concentrations ranging from 0.39 to 8.1 mg/kg. Only one detection of total BHC (0.414 mg/kg) was reported in the eight samples. DDT

concentrations detected in samples collected from the "trash dike" area were consistent with the results of sampling previously completed.

Four locations were sampled at two depths at the "salvage area". Surface soil samples had DDT concentrations ranging from 1.44 to 499 mg/kg while subsurface samples had DDT concentrations ranging from 1.24 to 3.35 mg/kg. Only one detection of total BHC (0.021 mg/kg) was reported in the eight samples collected. DDT concentrations detected in samples collected from the "salvage area" area were generally lower than the results of sampling previously completed in this area.

Four locations were sampled at two depths at the former "junk yard". Surface soil samples had DDT concentrations of 0.47, 5.05, 2,100, and 2,298 mg/kg while subsurface samples had DDT concentrations ranging from 0.3 to 17.5 mg/kg. No positive detections of BHC were reported in the eight samples collected from the former "junk yard". Soil samples collected in the area of the "junk yard" indicate that DDT is present at lower levels than reported by Stauffer in 1983.

Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property

For the off-property area to the north, DDT concentrations were not found above 10 mg/kg in any samples.

For the off-property area to the west, seven of eight CLP pesticide analyses showed total DDT concentrations within a range of 1.1 to 34.4 mg/kg and one sample had a concentration of 124.2 mg/kg DDT. Of the 28 samples screened using the immunoassay test, only 7 samples had DDT concentrations greater than 10 mg/kg. Of these seven samples, four were also analyzed by the CLP pesticide method and showed DDT concentrations less than 20 mg/kg. No positive detections of BHC were found in off-property grid samples analyzed by CLP pesticide methodology.

For the two locations sampled adjacent to a previous Hargis + Associates sampling point (MD6) located in the southwest off-property area, surface samples contained 0.99 mg/kg and 27.8 mg/kg DDT while subsurface DDT concentrations were below detection limit. The samples previously collected by Hargis + Associates had DDT concentrations ranging from 0.08 to 1.05 mg/kg. BHC was detected in only one of four of these samples at a concentration of 0.031 mg/kg. A result of 0.715 mg/kg BHC in this area was previously reported by Hargis + Associates.

Screen for the potential presence of VOCs in subsurface soils at the northwest corner of the property

The CLP VOC results did not indicate a pattern of chemical detections that would suggest a specific on-property VOC source area. Although chlorobenzene was the primary VOC detected in on-property soils, its occurrence was sporadic across the area with the concentrations ranging from nondetectable to 3.7 mg/kg. Samples collected from the former historical use areas did not have significant VOC concentrations.

In summary, results of the investigation have successfully completed characterization of chemical presence in soil at the northwest corner of the Montrose facility and at the adjacent off-property area. No further investigation is recommended.

1.0 INTRODUCTION

The former Montrose Chemical Plant (Property), located at 20201 Normandie Avenue, Los Angeles County, California, (Figure 1) is the site of a former pesticide manufacturing facility. Montrose manufactured dichlorodiphenyltrichloroethane (DDT) on the property from 1947 until the plant closed in mid-1982. The Montrose plant was demolished between June and August 1982. In April 1985, the entire property was graded and capped with asphalt to minimize surface water infiltration and to prevent air or surface water transport of soil.

During the time period of 1985 through 1991, a site-wide Remedial Investigation was conducted in accordance with United States Environmental Protection Agency (EPA) Administrative Order of Consent, EPA Docket Number 85-04, and the results of the investigation were initially presented in a 1992 draft report prepared by Hargis + Associates, Inc. The draft RI report contained data for the northwest corner of the Property from sampling conducted by Hargis & Montgomery in 1983, Metcalf & Eddy in 1985, and Hargis + Associates in 1986.

Subsequent to the remedial investigation field sampling work, the EPA and Montrose became aware of soil sampling information that had been generated by Stauffer Chemical Company (Stauffer) in 1983. The data were presented only in a summary table. No analytical data sheets, chain-of-custody forms, sampling description, or quality control information were included with the data summary table. Therefore, the Stauffer data are considered as undocumented qualitative results. Despite concerns that the Stauffer data lacked standard quality assurance documentation, the information was incorporated in a 1996 revised Remedial Investigation report prepared by Hargis + Associates.

In response to an EPA request to conduct supplemental soil sampling in the vicinity of the northwest corner of the Property, a Field Sampling Plan (FSP) was prepared in conjunction with the Quality Assurance Project Plan (QAPP) for this investigation (McLaren/Hart, 1996). Together, they compose the Sampling and Analysis Plan (SAP). The program specified in the SAP was subsequently modified in accordance with the EPA's conditional approval delineated in their November 26, 1996 letter to Montrose (EPA, 1996). A summary of the site history and details of the sampling rationale were presented in the SAP.

This document was prepared as a supplement to the RI report for the Property and presents information on current soil conditions in the northwest corner of the Property.

The specific objectives of this investigation were to:

- Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983;
- Evaluate soil chemical characteristics at specific historical property features;
- Evaluate soils at former sampling points that revealed elevated DDT or BHC levels;
- Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the property; and
- Screen for the potential presence of VOCs in subsurface soils in the northwest corner area of the property.

Using DDT as the primary indicator chemical, samples were analyzed by screening level immunoassay tests for DDT which were then confirmed by Contract Laboratory Program (CLP) pesticide analyses performed on a representative number of samples. Additional CLP pesticide and VOC analyses were conducted to meet specific project objectives.

This report is presented in six sections, including this Introduction (Section 1). The remaining sections are listed below:

Section 2. Investigation Approach and Methods;
Section 3. Results of Chemical Analyses;
Section 4. Quality Assurance/Quality Control Evaluation;
Section 5. Summary and Conclusions; and
Section 6. References

2.0 INVESTIGATION APPROACH AND METHODS

This section presents the investigation rationale, describes the number and type of samples collected, and discusses the methods/protocols for the investigation. Sampling locations utilized by prior investigations and the locations of soil samples collected for this investigation are shown on Figure 2. A summary of the areas sampled, the sampling locations and frequency, and the analyses performed is presented in Table 1.

A portion of the sampling locations were intended to evaluate soil conditions at locations sampled by Stauffer in 1983 or at areas where elevated concentrations of DDT have been previously reported. These locations are identified as "biased point" samples on Figure 2. The sampling information provided by Stauffer included a location map and summary table. Therefore, to locate the former Stauffer sampling points, the northwest fence corner (Property boundary corner) was used as the reference point for retracing the Stauffer sampling grid. By aligning the northwest corner of the Stauffer sampling grid with the northwest corner of the Property fence line, biased point sample locations were positioned relative to the Stauffer sample locations . All other sampling locations were laid out on a grid pattern and are referred to as "grid point" samples on Figure 2.

The site was regraded and capped with asphalt in April 1985 after the Stauffer soil investigation was conducted. This may have altered up to 3 feet of soil in portions of the northwest corner of the Property. A description of the property grading and rationale for the selected sampling depths is presented in the SAP. Hence, samples taken at similar depths below grade prior to and after 1985 are not necessarily comparable.

2.1 INVESTIGATION APPROACH

A total of 54 locations were sampled as part of the on-property and off-property soil investigation. Descriptions of the sample analyses, sampling rationale, and samples collected are presented below.

2.1.1 Analytical Methods

Soil samples were analyzed using CLP pesticide/PCB method, CLP VOC method, and EnviroGard™ DDT immunoassay testing. Relevant method references, quantitation limits, and QC elements for the analyses performed were presented in the project QAPP (McLaren/Hart, 1996). Samples were submitted for analysis as listed in Table 1. The analytical plan was designed to use the DDT immunoassay tests to qualitatively screen a large number of soil samples

on an accelerated turnaround time to assess the extent and concentration range of DDT in the northwest corner soils. A representative number of duplicate CLP pesticide analyses were performed to quantitatively evaluate DDT concentrations.

The EnviroGard™ DDT immunoassay method is a qualitative or semi-quantitative test for the detection of DDT, its metabolites DDD and DDE, and other structurally similar compounds in soil (reference to immunoassay results includes the sum of DDT and all its metabolites). The immunoassay test will not differentiate between DDT, its metabolites, and other structurally similar compounds. However, the method allows for rapid screening of DDT at a minimum detection level range of 0.2, 1.0, and 10.0 mg/kg. The method may be adjusted for higher quantitation limits by dilution of the soil extracts.

The method produces a visual colorimetric or photometric result that indicates whether the DDT concentration of the extract is above or below the three minimum quantitation limits indicated above. The results of an undiluted extract will indicate whether the sample contains DDT at concentrations less than 0.2 mg/kg, between 0.2 and 1.0 mg/kg, between 1.0 and 10.0 mg/kg, or greater than 10.0 mg/kg. For samples that need to be diluted to bring them within the method quantitation limits, the concentration ranges will increase proportionally. For example, an extract that is diluted 100 fold will fall within the ranges: 1) of less than 20 mg/kg, 2) between 20 and 100 mg/kg, 3) between 100 and 1000 mg/kg, or 4) greater than 1000 mg/kg. Therefore, as the concentration of DDT found in samples increases, the resolution of the concentration ranges decreases.

The CLP pesticide and CLP VOC methods provide results in specific concentrations. In addition, a rigorous set of quality control procedures and documentation requirements are incorporated into these methods. Therefore, the CLP results are the highest quality data and are considered more reliable than the immunoassay results.

In conjunction with soil logging procedures, headspace screening for VOCs was conducted using a photoionization detector (PID). The headspace screening was performed on portion of each sample collected for laboratory analysis as described later in Section 2.3.5.1. Samples that showed positive headspace VOC readings were submitted to the laboratory for volatiles analysis by CLP VOC method.

2.1.2 On-Property and Off-Property Grid Point Screening and Confirmation Sampling Locations

Sampling was conducted at 22 on-property locations (SB-1 through SB-22) for immunoassay screening analysis on a grid pattern as shown on Figure 2. Four north-south oriented rows of sampling points (spaced 50 feet apart) were located 10, 60, 110 and 160 east of the western border of the Property. This sampling grid covered the area previously sampled by Stauffer and the possible material stockpile area at the western property boundary as shown on Figure 2.

For the off-property portion of the investigation, 32 locations (SB-23 through SB-54) were sampled for immunoassay screening analysis within a 30-foot wide perimeter outside the north and the west property boundaries. Sample locations were placed on a grid pattern consisting of two rows 10 and 30 feet outward from the Property boundary with samples taken on 50-foot intervals. Two exceptions to this plan, as specified in the SAP, were required. Location SB-35 was moved north about 25 feet and location SB-36 was moved north about 15 feet due to the presence of material stored on McDonnell Douglas' property.

The western off-property area has been graded for storage by McDonnell Douglas and graded soil is stockpiled west of the extreme northwest corner of the Property. Therefore, to evaluate the soil in this stockpile four samples (SB-25A through SB-25D) were collected from the stockpile for screening analyses.

Regarding sampling depths at each location, the uppermost soil sample was taken at varying depths below the surface due to the presence of various surface covers as noted below:

- The combined asphalt surface thickness and road base thickness for on-property locations was approximately 1 foot. The road base consisted mainly of gravel with little to no fines.

- The surface of the western off-property locations consisted of both bare soil (SB-23 through SB-32) and a tar and gravel surface (SB-33 through SB-36). The tar and gravel surface was approximately 2 inches thick.

- The surface of the northern off-property locations consisted of both railroad ballast (even numbered locations SB-38 through SB-54) and an asphalt paved drainage swale (odd numbered locations SB-37 through SB-53). The railroad ballast was approximately 1.5 feet thick and the asphalt/roadbase surface in the northern off-property area was approximately 1 foot thick.

To accommodate the varying asphalt and road base thicknesses, the soil surface samples were collected from the first 6-inch interval below the asphalt and road base, railroad ballast, or tar and gravel surfaces. The subsurface soil samples were collected at 2.5 to 3.0 feet below the surface samples. For the samples collected from the McDonnell Douglas' stockpile (SB-25A through SB-25D), the sampling consisted of composite samples collected at the surface and 1.5 feet below surface.

An immunoassay test for DDT was performed on each sample collected from SB-1 through SB-54. Confirmation samples were analyzed by CLP pesticide methodology at a rate of approximately 20 percent of the samples analyzed by immunoassay testing.

2.1.3 Biased Point Sampling Locations

A description of the areas selected for biased point sampling is contained in the SAP and the areas are shown on Figure 2. The descriptions were derived from aerial photograph review and other documentation. All biased point samples were submitted for CLP pesticide analysis only. No immunoassay analysis was performed.

Former "Junk Yard"

An area formerly known as the "junk yard" is located in the extreme northwest corner of the property. A soil sample collected from a trench located along the southern perimeter of the former "junk yard" at a depth of one-foot by Stauffer in 1983 reportedly contained a DDT concentration of 710,000 mg/kg. Other soil samples collected by Stauffer in this area contained DDT concentrations of 31,000 and 4,100 mg/kg. As previously discussed, the Stauffer data are considered undocumented qualitative results.

For this investigation, two soil sampling points (SB-57 and SB-58) were located approximately 5 feet east and west of the estimated location of the Stauffer sample that reportedly contained 710,000 mg/kg DDT, as shown on Figure 2. Two additional biased point sampling locations (SB-55 and SB-56) were also located in this area.

Following the same convention established for the grid locations to account for the various surface covers, soil samples were collected from each location from the soil surface below the asphalt and road base and at 2.5 to 3.0 feet below the surface sample. These sample depths correspond roughly to the depths of the Stauffer samples. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Vicinity of Former Machine Shop

Two soil samples were collected at depths of 3 and 5 feet from a trench or pit just east of the former machine shop by Stauffer in 1983. The undocumented qualitative Stauffer data showed concentrations of DDT at 110,000 and 520 mg/kg.

For this investigation, two soil sampling points (SB-61 and SB-62) were located approximately 5 feet east and west of the Stauffer sampling location. Two soil sampling points (SB-59 and SB-62) were also located 25 feet north and south of the Stauffer sample point as shown on Figure 2. Samples in the vicinity of the former machine shop were collected at 1.0 to 1.5 and 3.0 to 3.5 feet below the asphalt surface and road base to roughly correspond with the depths the Stauffer samples. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Former "Salvage Area"

An area formerly known as the "salvage area" is a 215 foot by 145 foot area located on the eastern side of the northwest corner of the property. Review of historical aerial photographs indicate materials and possible containers were stored in this area between 1941 and 1980. Six soil samples were collected from three locations within this area by Hargis & Montgomery in 1983. Two surface samples contained DDT at concentrations of 6,800 and 58 mg/kg. Deeper samples, collected from depths of 1.5, 2.0, 3.0, and 4.5 feet, had DDT concentrations of 120, 2.4, 1.3, and 1.3 mg/kg, respectively.

For this investigation, four soil sample points were located within the area of the former "salvage" area, as shown on Figure 2. The sample points were targeted at locations of features observed on the aerial photographs. One sample point (SB-64) was located near a former depression, one sample location (SB-66) was located in the vicinity of a former above ground tank, and two sample locations (SB-63 and SB-65) were in the western portion of the "salvage" area where materials and equipment appeared to have been stored.

Soil samples were collected from each sample point at the soil surface and at 2.5 to 3.0 feet below the asphalt surface and road base. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Former "Trash Dike" and Vicinity

An area formerly known as the "trash dike" is a 45-foot by 50-foot feature located in the southern area of the northwest corner of the Montrose property. Review of historical aerial photographs indicate that this area was first used in 1952 and that materials were intermittently stored in the area until 1980. A location adjacent to the southeast corner of the "trash dike" was sampled by Metcalf & Eddy in 1985. DDT was detected at a concentration of 821 mg/kg at the 1-foot sampling depth and at a concentration of 2,359 mg/kg at the 1.5-foot sampling depth. Samples collected from depths of 2.5 feet to 9.0 feet (in 0.5-foot increments) were all below the detection limits.

For this investigation, two sample points (SB-69 and SB-70) were located within the former "trash dike", and two sample points (SB-67 and SB-68) were located in the area north of the "trash dike" as shown on Figure 2.

Soil samples were collected from each location at 6-inches below the soil surface and 2.5 to 3.0 feet below the asphalt surface and road base. Soil samples collected from all four sample points were submitted for CLP pesticide analysis.

Boring MD6

Boring MD6 was sampled by Hargis and Associates on April 29, 1986. The boring was located near the southwest boundary of the property. A sample collected from the depth interval of 0 to 0.5 feet had a BHC concentration of 0.715 mg/kg.

For this investigation, two sample points (SB-71 and SB-72) were located approximately 10 feet from location MD6 as shown on Figure 2. Soil samples were collected from each location at the soil surface and at 2.5 to 3.0 feet below the tar and gravel surface. Soil samples collected from both sample points were submitted for CLP pesticide analysis.

VOC Sampling

Soil samples were also collected at selected bias point locations for analysis of volatiles by CLP VOC methodology. Based on aerial photograph reviews of historical operations, sample from sample points SB-55, -57, -59, -60, -64, -66, -68, -69, and -72 were analyzed for the presence of VOCs. In addition, headspace screening during collection of surface samples at SB-7, SB-14, and SB-18 indicated the potential presence of VOCs; therefore, these samples were also analyzed by CLP VOC methodology.

2.2 QUALITY CONTROL SAMPLES

Quality Control samples were submitted in accordance with the program presented in the QAPP (McLaren/Hart, 1996). The QC samples were submitted for analysis by the field team to meet the following QC sample frequencies:

- Equipment rinse blanks - one per day of sampling per analysis type collected (CLP pesticides and VOCs);
- CLP replicate samples - one per 20 samples collected per analysis type (CLP pesticides and VOCs);
- Immunoassay replicate samples - one per 10 samples analyzed;
- Immunoassay matrix spikes - one per 20 samples analyzed;
- CLP matrix spike/matrix spike duplicate (MS/MSD) samples - one per 20 samples collected per analysis type (CLP pesticides and VOCs); and
- Trip blanks - one per ice chest shipped containing VOC soil samples.

Equipment rinse blanks consisted of the final de-ionized rinse water (HPLC-grade organic free water) from the decontamination procedure (see Section 2.4.3, Equipment Decontamination). Replicate samples were collected by homogenizing the sample in the field and splitting the soil volume into two or more soil containers. Trip blanks consisted of laboratory grade certified pure water prepared by the laboratory.

2.3 FIELD METHODOLOGY

Descriptions of specific procedures and associated equipment used for completing the field investigation are summarized in this section. The following procedures are described:

- Sample Collection;
- Equipment Decontamination;
- Disposal of Contaminated Materials;
- Field Measurement Procedures;
- Documentation; and
- Sample Packaging and Shipping.

2.3.1 Sample Collection

All soil samples were collected utilizing a Geoprobe® system. Use of the Geoprobe® apparatus minimized damage to the asphalt cap and minimized the costs associated with disposal of soil cuttings and decontamination waste generated during field work. A McLaren/Hart field geoscientist supervised the drilling and sampling activities.

Boreholes were advanced by collecting continuous cores with a "Macro-Core" sampler, which is approximately 4 feet long. Soil samples were contained in 1 1/2-inch diameter by 48-inch long polyethylene terephthalate glycol (PETG) tubes. The sample core was logged according to the Unified Soil Classification System and included a description of the texture, color, moisture content, and other distinguishing characteristics. Soil sample location lithology is summarized in Appendix A. Once the PETG tubes were removed from the Macro-Core sampler, 6-inch sections of the tubes, corresponding to the desired sampling depths, were cut and prepared for shipment to the laboratory.

Soil samples were prepared by one of two methods depending on analysis required. For the soil samples that were collected for VOC analysis, the sample tube sections were sealed with squares of Teflon sheeting and plastic end caps, labeled, sealed individually in a locking plastic bag, and stored in a cooled ice chest. The soil samples that were collected for DDT immunoassay analyses or CLP pesticide analyses were homogenized by removing the soil from the 6-inch section of the core, placing the soil into a pre-cleaned stainless steel bowl and homogenizing the sample. For replicate samples, the sample was divided into separate aliquots and placed into the respective glass jars and sealed with Teflon-lined lids. Table 1 summarizes the planned number of samples for each area and the actual number of samples collected and analyzed.

A portion of the core immediately below (for surface samples) or above (for subsurface samples) the interval submitted for laboratory analysis was placed into a locking plastic bag for headspace analysis. The bag was sealed immediately and left to stand for a few minutes to allow volatile gases to enter the headspace of the bag. A PID calibrated to isobutylene was used in the field to analyze the headspace gases. The PID data was used to identify samples for VOC analysis in addition to providing Health and Safety monitoring air monitoring data as required in the site-specific Health and Safety Plan. Headspace readings are included in the soil drilling details.

All boreholes were abandoned by filling the holes with neat Portland cement. The top of the boreholes located in asphalt areas were covered with cold patch asphalt.

2.3.2 Sampling Sequence and Analysis

Sampling was conducted in a specific sequence to allow for selection of the most representative samples for CLP pesticide analysis. Grid point sample locations for immunoassay testing were collected first and submitted to the laboratory for immediate immunoassay testing. Sampling at specific target areas (i.e. trash dike, junk yard, etc.) was conducted after the immunoassay grid point sampling.

CLP analysis was used both for bias point sample analysis and for confirmation of the immunoassay tests used for grid point samples. Grid point samples for confirmation were selected for CLP analyses by the Project Manager in coordination with EPA's oversight contractor to confirm the relative accuracy of the immunoassay tests, verify the limits of DDT contamination, and quantify the upper range of DDT concentrations detected. Soil samples submitted for CLP VOC analyses were selected by the Project Manager and Field Supervisor based on field screening observations (see Section 2.4.5.1) during sample collection. Twelve soil samples were submitted for CLP VOC analyses.

2.3.3 Equipment Decontamination

Non-dedicated equipment used for sample collection was decontaminated prior to each use. PETG tubes used for soil sampling were not reused. Equipment decontamination procedures were as follows:

1. Wash equipment with non-phosphate detergent and tap water and scrub inside and outside of equipment with a bottle-brush.
2. Rinse equipment with tap water.
3. Rinse equipment with deionized/distilled water.
4. Rinse equipment with pesticide-grade solvent (hexane).
5. Rinse equipment with deionized water.
6. Rinse equipment with HPLC-grade organic free water.
7. Allow equipment to dry.

All equipment decontamination was done on the Property.

2.3.4 Waste Materials Disposal Procedures

The following waste materials were generated from this investigation:

- Excess PETG tubes;
- Used Personal Protective Equipment (PPE);
- Decontamination fluids; and
- Excess soil cuttings from the Geoprobe sampling.

Disposable used PPE and disposable equipment were double-bagged and transported to a municipal refuse dump. Reusable PPE, such as rubber boots, goggles, etc., were cleaned with a non-phosphate detergent and tap water. Decontamination fluids consisted of water and minor amounts of hexane. The volume and concentration of the decontamination fluid was sufficiently low as to allow evaporation on the site. The excess soil cuttings were contained and stored in DOT 17H drums pending proper disposal.

2.3.5 Field Measurement Procedures

This section presents air monitoring procedures conducted as part of the project health and safety requirements, the sample headspace screening technique, and borehole mapping procedures.

2.3.5.1 Air Monitoring and Sample Head Space Screening

A photo-ionization detector (PID) was used for air monitoring to assure worker safety during field operations per the project Health and Safety Plan (HASP). The instrument was calibrated and used in accordance with manufacturer's operation manuals. The frequency for instrument calibration and air monitoring for the project was specified in the HASP.

In addition to air monitoring to maintain worker safety, borehole headspace screening was conducted with the PID during the Geoprobe® operations as an aid to describing and evaluating site conditions. Borehole headspace measurements were taken with the PID at regular intervals during drilling operations. The measurements were recorded and used to evaluate the potential presence of organic contaminants at areas of concern.

Additionally, headspace from sample cores was screened and included in the descriptions recorded on the soil drilling details. A soil volume from each depth interval sampled was placed in a sealable plastic bag and placed in a warm environment so that potential chemicals in the soil

would volatilize. Headspace readings from the plastic bags were collected by inserting the instrument intake tube into the bag and recorded on the appropriate forms.

Results of the field screening activities were also reviewed by the Project Manager to evaluate whether additional VOC analyses were warranted.

2.3.5.2 Mapping Borehole Locations

Borehole locations were flagged in the field based on the grid presented in the SAP. The location of each sampling point was referenced to the northwest fence corner at the property by measuring the distance north/south and east/west from this benchmark.

2.3.5.3 Documentation

A daily log book of field activities documenting sampling events was maintained. The daily log was recorded in a bound record book with numbered pages and included the following information as applicable:

- date and time of starting work;
- names of field personnel conducting work;
- description of work area and sampling location;
- description of field activity, including any deviation from the work plan;
- field observations;
- air monitoring measurements or observations; and
- sample handling and shipping information.

Label register books were used to identify samples. Sample label information was recorded in duplicate and included the following information:

- Name of Sampler;
- Date and Time of Collection;
- Sample Designation;
- Sample Matrix;
- Preservation Method; and
- Analyses Required.

A chain of custody (COC) form was completed with the required information to identify requested sample analyses and sample custody. The information recorded on the COC included the following:

- Project name and number;
- Sampler's name and signature;
- Sample identification numbers;
- Sampling date, time, and location;
- Requested analyses;
- Sample container type and quantity;
- Sample preservation;
- Requested analytical turn-around-time; and
- Name of analytical laboratory receiving samples.

2.3.5.4 Sample Packaging and Shipment

Sample packaging and shipping procedures assured that samples were properly preserved, protected, and secured until delivery to the analytical laboratory. After the samples were labeled, all sample containers were placed in sealed plastic bags to protect sample labels from potential moisture damage. Fragile sample containers were protected from breakage by wrapping containers with bubblewrap and placed upright in thermally insulated chests. Ice was double-bagged in sealed plastic bags and placed on top of samples until delivery of samples to the analytical laboratory. The remaining void space in the ice chest was filled with appropriate packaging material. The associated COCs were sealed in a plastic bag and placed in the ice chest. The ice chests were sealed closed with filament tape and a custody seal placed on the ice chest lid. Samples were sent daily to the analytical laboratory via express priority delivery service.

3.0 RESULTS OF CHEMICAL ANALYSES

This section presents the results of laboratory analyses performed on samples collected during the investigation. The field investigation was conducted on March 10 through 13, 1997. The analytical data are presented in three parts; on-property grid point sample locations, off-property grid point sample locations, and bias point sample locations (areas of special interest on- and off-property).

The results of the immunoassay, CLP pesticide, and CLP VOC analyses are presented in Tables 2, 3, and 4, respectively. Immunoassay analysis results are reported in ranges of DDT concentrations rather than in discrete values as with the CLP analyses. As shown in Table 2, the mg/kg reporting ranges for the immunoassay tests are:

less than 2	100 to 1,000
1 to 10	1,000 to 10,000
10 to 100	2,000 to 10,000
20 to 100	10,000 to 100,000

The reporting ranges are dependent on the level of dilution and dilution sequence for each sample analyzed.

To assist in visualization of the distribution of concentrations across the investigation area, Figures 3 and 4 present plots of the DDT and VOC concentrations, respectively. It should be noted that on Figure 3, the immunoassay concentration ranges produced by the analytical procedure presented in Table 2 have been consolidated into four ranges to simplify the data presentation on the figure. In all cases, the DDT ranges discussed in the following narrative are based on the information presented in Tables 2 and 3 and refer to the sum of all 2,4'- and 4,4'-DDD, DDE, and DDT compounds detected. Similarly, BHC concentrations refer to the sum of the alpha-, beta-, delta-, and gamma-BHC isomers .

3.1 ON-PROPERTY GRID POINT SAMPLE SCREENING AND CONFIRMATION

Twenty-two on-property locations (SB-1 through SB-22) were sampled in a grid pattern as shown on Figure 3. At each location, soil samples were obtained from below asphalt and road base capping (referred to as the "surface" sample at that particular sample point) and from a subsurface depth, as discussed in Section 2.1.1. All samples were screened for DDT using immunoassay analyses (Table 2) with selected sample analytical results confirmed using the CLP pesticide method.

3.1.1 Surface Samples

Nine surface soil samples were collected and analyzed by CLP pesticide method. Results of CLP pesticide analyses for on-property surface samples ranged from 9.9 to 7,620 mg/kg total DDT with a mean concentration of 3,450 mg/kg.

Twenty-eight samples (including replicates) were collected for immunoassay testing from 22 surface sampling points. The concentration range most commonly observed (15 of the 28 samples) was between 1,000 to 10,000 mg/kg DDT, which is consistent with the results of the CLP pesticide analyses.

The immunoassay test data compared well with the CLP pesticide data. Seven of the nine CLP confirmation results were within the range indicated by the immunoassay tests. Two of the nine CLP pesticide results were lower than the range indicated by the immunoassay tests.

3.1.2 Subsurface Samples

Two subsurface soil samples were collected and analyzed by CLP pesticide method. Results of the CLP pesticide analyses were 1,680 mg/kg DDT at SB-11 and 5.26 mg/kg DDT at SB-6.

Twenty-eight samples (including replicates) were collected for immunoassay testing from twenty-two subsurface sampling points. The concentration ranges most commonly observed (15 of the 28 samples) were below 20 mg/kg.

Comparison of the two immunoassay test data with the CLP pesticide data showed one sample range above the CLP pesticide result and one sample range below the CLP pesticide result.

3.1.3 Surface and Subsurface Sample BHC Results

For the eleven on-property grid point confirmation soil samples (surface and subsurface) analyzed for CLP pesticides, only one sample (SB-16, surface sample) showed a positive detection (61 mg/kg) of total BHC.

3.2 Off-Property Grid Point Sample Screening and Confirmation

Thirty-two off-property locations (SB-23 through SB-54) were sampled in a grid pattern, as shown on Figure 3. Individual samples were collected from 31 locations (for surface and subsurface analyses) and composite samples were collected from one location (a soil stockpile location at SB-

25). All samples were screened for DDT using the immunoassay methodology, and 11 samples were analyzed by CLP pesticide methodology.

3.2.1 Surface Samples

Nine surface soil samples were collected and analyzed by CLP pesticide method. Results of CLP pesticide analyses for off-property surface samples ranged from 0.014 to 124 mg/kg DDT with a mean concentration of 24 mg/kg.

For the immunoassay test results, 25 of the 31 surface immunoassay samples had total DDT concentrations less than 10 mg/kg. Five samples, all of which were from the western off-property area, had a total DDT concentration between 10 and 100 mg/kg. One sample from the western off-property area exceeded the upper quantitation range of 100 mg/kg.

Generally, the immunoassay sample results were comparable to the CLP results. Five CLP pesticide results were within the concentration range detected by the immunoassay tests, two CLP pesticide results were slightly lower than the concentration range detected by the immunoassay tests, and two CLP pesticide results were slightly higher than concentration range detected by the immunoassay tests.

3.2.2 Subsurface Samples

For subsurface soil samples, all 31 immunoassay samples showed total DDT concentrations less than 10 mg/kg. Two off-property confirmation CLP pesticide samples had DDT concentrations less than 0.005 mg/kg.

3.2.3 Stockpile Area Composite Samples

CLP pesticide results for two samples collected from the soil stockpile showed DDT concentrations of 1.13 (discrete sample) and 1.56 mg/kg (composite sample).

Three of the four immunoassay samples had total DDT concentrations less than 10 mg/kg. The remaining immunoassay sample showed a total DDT concentration range of 10 to 100 mg/kg; however, the corresponding CLP pesticide result showed 1.13 mg/kg DDT.

3.2.4 Surface and Subsurface Sample BHC Results

BHC was not detected in the 13 samples analyzed by CLP pesticide method.

3.3 BIASED POINT SAMPLING LOCATIONS

3.3.1 Former "Junk Yard"

Four locations were sampled in the former "junk yard" area and analyzed by CLP pesticide methods (SB-55 through SB-58). The range of total DDT concentration in all samples in this area, both surface and subsurface, was 0.033 to 2,298 mg/kg with mean values of 1,075 mg/kg in surface samples and 5.7 mg/kg in subsurface samples. BHC was not detected in any of the nine samples (including one replicate) analyzed. The DDT results from this investigation were significantly less than the undocumented qualitative results reported by Stauffer, which were collected before the area was graded and capped.

3.3.2 Vicinity of Former Machine Shop

Four locations were sampled in the vicinity of the former machine shop (SB-59 through SB-62). DDT concentrations found in all samples, both surface and subsurface, ranged from 0.648 mg/kg to 6,060 mg/kg with mean concentrations of 2,494 mg/kg in surface samples and 9.75 mg/kg in subsurface samples. Analytical data obtained from the Stauffer investigation in this area reportedly showed DDT concentrations ranging from 520 mg/kg (5 feet) to 110,000 mg/kg (3 feet). Therefore, the soil samples collected during this investigation generally did not confirm the Stauffer data.

Only one positive detection of total BHC (250 mg/kg in the surface sample at SB-60) was found in the eight samples from four sample points near the former machine shop.

3.3.3 Former "Salvage Area"

Four locations were sampled in the former "salvage area" (SB-63 through SB-66). The range of total DDT concentrations in all samples in this area, both surface and subsurface, was 1.1 to 499 mg/kg, with mean concentrations of 126 mg/kg in surface samples and 1.9 mg/kg in subsurface samples. Results from sampling previously conducted in this area by Hargis and Montgomery showed DDT concentrations ranging from 1.3 to 6,800 mg/kg. Therefore, the soil samples collected during this investigation did not confirm the higher value in the Hargis and Montgomery data, which was collected before the area was graded and capped.

Only one positive detection of total BHC (an estimated 0.021 mg/kg in the surface sample at SB-65) was found in the eight samples collected.

3.3.4 Former "Trash Dike" and Vicinity

Four locations were sampled in the vicinity of the former "trash dike" (SB-67 through SB-70). The range of total DDT concentrations in all samples in this area, both surface and subsurface, was 0.39 to 1,017 mg/kg with mean concentrations of 270 mg/kg in surface samples and 3.7 mg/kg in subsurface samples. Results from the Metcalf and Eddy investigation conducted in 1985 (after grading and capping) in this area showed DDT concentrations ranging from less than 0.016 mg/kg to 2,359 mg/kg. Therefore, the 1985 Metcalf and Eddy data and the March 1997 data are similar.

Only one positive detection of total BHC (an estimated 0.414 mg/kg in the surface sample at SB-68) was found in the eight samples collected.

3.3.5 Boring MD6

There were two locations (SB-71 and SB-72) sampled adjacent to boring MD6. The surface samples at SB-71 and SB-72 contained 27.8 mg/kg and 0.99 mg/kg total DDT, respectively. Subsurface total DDT concentrations were below the detection limit at both sample locations. Prior samples from boring MD6 had total DDT concentrations ranging from less than 0.03 mg/kg to 1.05 mg/kg. Therefore, the 1986 Hargis + Associates data and data from this investigation are similar.

Only one positive detection of BHC was reported in the four samples collected in this area (an estimated 0.031 mg/kg in the surface sample at SB-72). A surface soil sample collected in this area by Hargis + Associates in 1986 had a BHC concentration of 0.715 mg/kg.

3.4 VOC RESULTS

A total of 12 samples were selected for CLP VOC analysis. Two soil samples were analyzed from each of the former "junk yard" area, the former machine shop area, the former "salvage area"; and, the former "trash dike" area. One sample was analyzed for VOCs from the area around location MD6. Three additional samples were collected from locations SB-7, SB-14, and SB-18 and analyzed for VOCs based on positive field screening results.

All VOC(s) detected were found at very low concentrations and the results are summarized in Table 4 and plotted on Figure 4. The primary compound detected was chlorobenzene, which was found at SB-7 (0.2 mg/kg), SB-14 (2.9 mg/kg), SB-18 (3.7 mg/kg), and SB-60 (0.1 mg/kg).

Acetone was detected in only three samples, all at concentrations of less than 0.25 mg/kg. Methylene chloride was detected at five locations at concentrations of less than 0.01 mg/kg.

4.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) EVALUATION

Various QA/QC activities and elements were conducted in accordance with the project QAPP (McLaren/Hart, 1996). All CLP laboratory data packages were reviewed and the results validated. Additional field QA/QC procedures were used to assess precision, accuracy, representativeness, completeness, and comparability of the data set. Discussions of the QA/QC elements are presented below.

4.1 DATA VALIDATION

CLP pesticide and VOC analyses were validated in accordance with the CLP Functional Guidelines for Organic Data Review (EPA, 1994). Data validation reports were prepared for each sample delivery group (SDG) and are presented under separate cover. For CLP pesticide analyses, the data validation work included review of the following parameters:

- Hold times;
- Blanks;
- Surrogate spikes;
- Matrix spike/matrix spike duplicate (MS/MSD);
- Initial calibration of single component analytes;
- GC/ECD instrument performance check;
- Pesticide calibration verification summary (PEM);
- Pesticide calibration verification summary (INDA and INDB);
- Pesticide calibration verification of instrument blank; and
- Pesticide target compound identification.

For CLP VOC analyses, data validation work included review of the following parameters:

- Hold times;
- GC/MS instrument performance check;
- Initial calibration;
- Continuing calibration;
- Method blank;
- Internal standard area summary;
- System monitoring compound recovery;
- Matrix spike/matrix spike duplicate;
- Target compound identification (TCI); and
- Tentatively identified compounds (TIC).

Based on the review of the parameters listed above, data qualifier codes were assigned as applicable to the concentration values presented in Tables 3 and 4. Explanations of the codes used are listed below.

- J: The result is an estimate and is considered semi-quantitative. The QA/QC parameter(s) is outside (although not severely) the control limits.
- UJ: The compound was not detected above an estimated quantitation limit.
- U: The compound was not detected above the reported quantitation limit.
- R: The result is unusable. QA/QC parameter(s) is severely outside the control limits.

No CLP pesticide or CLP VOC analytical data were considered unusable.

Immunoassay data packages were also reviewed to verify that laboratory QC procedures were followed. Items which were checked for each SDG included negative control results, lab control sample results, and matrix spike results. Table 5 summarizes the laboratory QC immunoassay validation.

4.2 PRECISION

Analytical precision was evaluated as part of the CLP data validation work and included review of the Matrix Spike/Matrix Spike Duplicate (MS/MSD) and laboratory control spike/laboratory control spike duplicate (LCS/LCSD) results. Sampling precision was evaluated through the results of field replicate and/or laboratory replicate analyses. Field replicates were examined for precision by calculating their relative percent difference (RPD) as follows:

$$RPD = \frac{\text{Concentration Sample 1 - Concentration Sample 2}}{(\text{Concentration Sample 1 + Concentration Sample 2})/2} \times 100$$

Two field replicates were analyzed by CLP pesticide methodology. RPDs were calculated using the total of all detected DDT isomers for the two field samples and their respective replicates. In cases where an analyte was positively detected in one sample and below the detection limit in the replicate, half of the detection limit was used. The calculated RPDs for replicates analyzed from locations SB-58 and SB-69 were approximately 81% and 183%, respectively. The CLP pesticide RPD results are skewed due to the analysis of replicate samples that had high concentrations of total DDT.

One field replicate was analyzed for VOCs. All VOCs were non-detectable for that sample and its replicate, therefore, the relative percent difference was zero.

Twenty six field or laboratory replicate immunoassay analyses were performed. Because the test method only indicates a DDT concentration range, the RPD for these samples cannot be calculated. Results of the replicate analyses are summarized in Table 6. Samples with higher concentration ranges showed higher variability than samples with lower concentrations. Samples with levels less than 100 mg/kg DDT had good correlation with the corresponding replicate samples.

4.3 ACCURACY

Factors that potentially affect the data accuracy include the sampling process, field contamination, sample preservation and handling, sample matrix, sample preparation, and analysis techniques. Analytical accuracy was monitored by the percent recovery of spike samples reviewed as part of the CLP data validation. Assessment of field sampling effects on accuracy may be qualitatively indicated the results of the equipment rinse blanks and trip blanks. Results of equipment rinse blank analyses indicated only trace levels of total DDT (0.00042 and 0.00015 mg/L). These low levels do not have a significant affect on the accuracy of the analytical results. No VOC concentrations were detected in equipment rinse blanks or trip blanks.

4.4 REPRESENTATIVENESS

Representativeness expresses the degree to which sample data represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter which is most concerned with the proper design of the sampling program. As part of the sampling plan development, previous analytical results were reviewed to determine data representativeness and to select sampling locations which will accurately characterize contamination at the property. A combination of biased points at areas where previous samples had been collected and systematic grid points were sampled during the investigation.

4.5 COMPLETENESS

Completeness of the sampling program was evaluated by comparing the total number of soil and QA/QC samples collected and analyzed with the number of samples planned. A summary of the comparison is provided Table 1. Except for one CLP pesticide replicate sample, all environmental and QA/QC samples were collected at or above the planned frequency. Three CLP pesticide replicate samples were planned to be analyzed, but only two replicate analyses were performed.

For the immunoassay analyses, the target lower limit of detection was less than 2 mg/kg. Three exceptions occurred during the analysis of the samples. Two of the 125 samples analyzed had results reported at less than 20 mg/kg (SB-10 and SB-16 subsurface) and one sample had a result of less than 200 mg/kg (SB-15 subsurface). All of these locations are on-property. One sample had a reported concentration of greater than 100 mg/kg (SB-36 surface); however, a confirmation CLP pesticide analysis was also performed on this sample.

4.6 COMPARABILITY

Table 7 compares the results of the immunoassay testings with the CLP pesticide confirmation results. The sum of all DDT and its metabolites (DDD and DDE) from the CLP pesticide analyses were used to compare with the immunoassay results. Twenty-four CLP confirmation analyses were preformed. Of the total, 12 analysis results matched the immunoassay range, seven analysis results were less than the immunoassay range, and five analysis results were greater than the immunoassay range. Therefore, approximately 80 percent of the confirmation sample concentrations were either below or within the DDT concentration range detected by the immunoassay testing.

5.0 SUMMARY AND CONCLUSIONS

Results of the northwest corner field investigation successfully completed the characterization of on- and off-property soil conditions. Discussions of the specific investigation objectives are presented below.

Assess the extent and concentration of DDT in soils at areas sampled by Stauffer in 1983

Evaluation of CLP pesticide and immunoassay results from 48 grid samples collected in the area of the former Stauffer sampling points (primarily west of the former railroad spur) indicate that DDT is present in this area, but at significantly lower levels than indicated by information generated by the 1983 Stauffer sampling. DDT in soils in the area had been reported by Stauffer at a mean concentration of approximately 41,800 mg/kg. However, for the current investigation, DDT analyzed by CLP pesticide methodology was found at a mean concentration of 2,980 mg/kg.

Evaluate soil chemical characteristics at specific historical property features

Twenty-four soil samples were collected to assess current soil conditions at the former machine shop and the area of possible material storage located along the western Property boundary. Results of laboratory analyses indicate that DDT is present in these areas, but at relatively lower levels than reported by Stauffer sampling in 1983. BHC was found only twice (61 and 250 mg/kg) out of the 12 analyses completed by CLP pesticide method.

Evaluate soils at former sampling points that revealed elevated DDT or BHC levels inside the former "trash dike", "salvage area" and "junk yard"

Twenty-four samples were collected to assess current soil conditions in the areas of the "trash dike", "salvage yard", and "junk yard". DDT concentrations detected in samples collected from the "trash dike" area were relatively consistent with the results of sampling previously completed by Metcalf & Eddy in 1985 and the undocumented qualitative data reported by Stauffer in 1983. DDT concentrations detected in samples collected from the "salvage area" area were generally lower than the results from sampling completed by Metcalf & Eddy. Soil samples collected in the area of the former "junk yard" indicate that DDT is present at lower levels (lower by more than 2 orders of magnitude) than reported by Stauffer in 1983.

For samples collected from these areas, BHC was detected in only 2 of the 26 analyses (includes two duplicate analyses) completed by CLP pesticide method and both detections were below 0.5 mg/kg.

Assess the extent and concentration of DDT and BHC in soils off-property to the north and west of the northwest corner of the Property

Results of the investigation indicate that DDT concentrations off-property to the north and west of the northwest corner of the Property are generally below 20 mg/kg. No soil samples collected off-property to the north had DDT concentrations greater than 10 mg/kg. Only 2 of the 17 analyses performed on samples collected 30 feet away from the western property boundary had DDT concentrations greater than 10 mg/kg. No significant levels of BHC were found in off-property samples.

Screen for the potential presence of VOCs in subsurface soils at the northwest corner of the property

Soils were screened for the presence of VOCs with a PID in all samples collected. Only three positive screening results were found and these samples were analyzed by CLP VOC method. In addition, nine samples from selected areas were analyzed for VOCs. Chlorobenzene was the primary compound detected, but in all cases the concentrations were below 0.4 mg/kg.

The data collected fulfill all objectives of this investigation and no further investigation is recommended.

6.0 REFERENCES

Environmental Protection Agency - EPA CLP Functional Guidelines for Organic Data Review, February, 1994.

Environmental Protection Agency - November, 1996. Letter to Montrose dated November 26, 1996.

Hargis + Associates, Inc. October 18, 1996. Preliminary Review Draft, Final RI Report Montrose Site.

McLaren/Hart Environmental Engineering. July 1996. Field Sampling Plan and Quality Assurance Project Plan, Northwest Corner of former Montrose Chemical Plant, Los Angeles County, California.

Stauffer Chemical. August 1983. Inter-Office Correspondence, Subject: DDT Analysis of soils at Torrance Site.

Tables

Table 1
Summary of Areas Sampled, Sampling Locations and Analyses Performed
Northwest Corner, Former Montrose Facility

Sample Area	Reason for Sample Collection	Location Designation	Depth of samples * (feet)	Analyses (Total Number Collected/ Total Number of
On-Property Screening	Historic material storage	SB-1 thru SB-22	Soil Surface 2.5 - 3.0 bgs	DDT by Immunoassay (44/44) CLP VOCs (3/3)
On-Property Confirmation	Screening Confirmation Samples	SB-1 thru SB-22	Soil Surface 2.5 - 3.0 bgs	20% by EPA 8080 (11/9)
Off-Property Screening	Off-site migration from historic material storage	SB-23 thru SB-54	Soil Surface 2.5 - 3.0 bgs	DDT by Immunoassay (66/64)
Off-Property Confirmation	Screening Confirmation Samples	SB-23 thru SB-54	Soil Surface 2.5 - 3.0 bgs	20% by EPA 8080 (13/13)
Former "Junk Yard" (Stauffer 02/02-01)	710,000 mg/kg DDT detected by Stauffer; past material storage	SB-55 thru SB-58	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Vicinity of former Machine Shop (Stauffer 02/08-01)	110,000 mg/kg DDT detected by Stauffer	SB-59 thru SB-62	1.0 - 1.5 bgs 3.0 - 3.5 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Former "Salvage Area"	Historic material storage; 6,800 mg/kg detected in 1983	SB-63 thru SB-66	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Former "Trash Dike" and Vicinity	Historic material storage; 2,389 mg/kg DDT detected in 1985	SB-67 thru SB-70	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (8/8) CLP VOCs (2/2)
Boring MD6	0.715 mg/kg BHC detected in 1986	SB-71 thru SB-72	Soil Surface 2.5 - 3.0 bgs	EPA 8080 (4/4) CLP VOCs (1/1)
Quality Control Samples	Replicate/Duplicate Samples	REP/DUP	Based on number of CLP samples collected	10% by Immunoassay (26/11) 20% by EPA 8080 (3/3) 20% by CLP VOCs (1/1)
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	MS/MSD	5% of samples collected	Immunoassay (11/6) EPA 8080 (9/8) CLP VOCs (1/1)
	Equipment Rinse Blanks	ER - (date)	One per day of sampling	EPA 8080 (4/4) CLP - VOCs (3/3)
	Trip Blanks	TB - (date)	One per shipping container tested for VOCs	CLP - VOCs (6/6)

* Soil surface is defined as the first encountered soil beneath any manmade layer. The following is a list of surface types encountered.

Asphalt Surface & Road Base: Asphalt 3 inches, road base 9 inches. This type of surface was encountered at SB-1 through SB-2; SB-55 throug and SB-37 through SB-53 (odd).

Gravel & Tar Surface: This layer was approximately 2 inches thick. This type of surface was encountered at SB-33 through SB-36; SB-71 an

Railroad Ballast: This layer was approximately 1.5 feet thick. This type of surface was encountered at SB-38 through SB-54 (even).

No Asphalt or Gravel: The first soil surface was located at ground level. This was encountered at SB-23 through SB-32.

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
On-Property	SB-01	3/10/97	Surface	523401	3085	1000-10000
	SB-01	3/10/97	2.5 - 3	523402	3085	2-10
	SB-02	3/10/97	Surface	523403	3085	1000-10000
	SB-02	3/10/97	2.5 - 3	523404	3085	2-10
	SB-02	3/10/97	2.5 - 3 (DUP)	523404	3085	20-100
	SB-02	3/10/97	2.5 - 3 (DUP)	523404	3085	20-100
	SB-03	3/10/97	Surface	523405	3085	20-100
	SB-03	3/10/97	Surface (DUP)	523405	3085	< 20
	SB-03	3/10/97	2.5 - 3	523406	3085	2-10
	SB-04	3/10/97	Surface	523413	3085	1000-10000
	SB-04	3/10/97	2.5 - 3	523414	3085	2-10
	SB-05	3/10/97	Surface	523415	3085	1000-10000
	SB-05	3/10/97	2.5 - 3	523416	3085	2-10
	SB-06	3/10/97	Surface	523417	3085	20-100
	SB-06 (M-6)	3/10/97	Surface (REP)	523419	3085	200-1000
	SB-06	3/10/97	2.5 - 3	523420	3085	1000-10000
	SB-07	3/10/97	Surface	523421	3085	1000-10000
	SB-07	3/10/97	2.5 - 3	523423	3085	1-10
	SB-08	3/10/97	Surface	523424	3085	1000-10000
	SB-08	3/10/97	2.5 - 3	523425	3085	0.2-1
	SB-09	3/10/97	Surface	523426	3085	200-1000
	SB-09	3/10/97	2.5 - 3	523427	3085	2-10
	SB-09	3/10/97	2.5 - 3 (DUP)	523427	3085	2-10
	SB-10	3/10/97	Surface	523428	3086	2000-10000
	SB-10 (M-10)	3/10/97	Surface (REP)	523429	3086	100-1000
	SB-10	3/10/97	2.5 - 3	523430	3086	< 20
	SB-11	3/10/97	Surface	523431	3086	1000-10000
	SB-11	3/10/97	2.5 - 3	523432	3086	20-100
	SB-12	3/10/97	Surface	523437	3086	200-1000
	SB-12	3/10/97	2.5 - 3	523438	3086	20-100
	SB-12	3/10/97	2.5 - 3 (DUP)	523438	3086	< 20
	SB-13	3/11/97	Surface	523439	3091	2000-10000
	SB-13	3/11/97	2.5 - 3	523440	3091	2-10
	SB-14	3/11/97	Surface	523441	3091	2000-10000
	SB-14 (M-14)	3/11/97	Surface (REP)	523442	3091	10000-100000
	SB-14	3/11/97	2.5 - 3	523444	3091	20-100
	SB-15	3/11/97	Surface	523445	3091	2000-10000
	SB-15	3/11/97	2.5 - 3	523446	3091	< 200
	SB-16	3/11/97	Surface	523447	3091	2000-10000
	SB-16	3/11/97	2.5 - 3	523448	3091	< 20

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
On-Property	SB-17	3/11/97	Surface	523449	3091	200-1000
	SB-17	3/11/97	2.5 - 3	523450	3091	20-100
	SB-18	3/11/97	Surface	523351	3091	1000-10000
	SB-18	3/11/97	Surface (DUP)	523351	3091	1000-10000
	SB-18	3/11/97	2.5 - 3	523353	3091	20-100
	SB-18 (M-18)	3/11/97	2.5 - 3 (REP)	523354	3091	20-100
	SB-19	3/11/97	Surface	523355	3091	1000-10000
	SB-19	3/11/97	2.5 - 3	523356	3091	20-100
	SB-20	3/11/97	Surface	523357	3091	10000-100000
	SB-20	3/11/97	2.5 - 3	523358	3091	20-100
	SB-20	3/11/97	2.5 - 3 (DUP)	523358	3091	20-100
	SB-21	3/11/97	Surface	523359	3092	100-1000
	SB-21	3/11/97	Surface (DUP)	523359	3092	100-1000
	SB-21	3/11/97	2.5 - 3	523360	3092	< 2
	SB-22	3/11/97	Surface	523361	3092	< 2
	SB-22	3/11/97	2.5 - 3	523362	3092	< 2
Off-Property - West	SB-23	3/12/97	2.5 - 3	524026	3106	< 2
	SB-23	3/12/97	Surface	524027	3106	< 2
	SB-24	3/12/97	Surface	524028	3106	20-100
	SB-24	3/12/97	Surface (DUP)	524028	3106	20-100
	SB-24	3/12/97	2.5 - 3	524029	3106	< 2
	SB-25A	3/12/97	Comp.	523341	3122	< 2
	SB-25B	3/12/97	Comp.	523342	3122	< 2
	SB-25C	3/12/97	Comp.	523343	3122	2-10
	SB-25D	3/12/97	Comp.	523344	3122	10-100
	SB-25D	3/12/97	Comp. (DUP)	523344	3122	< 2
	SB-26	3/12/97	Surface	524030	3108	20-100
	SB-26	3/12/97	2.5 - 3	524031	3108	< 2
	SB-27	3/12/97	Surface	524032	3108	< 2
	SB-27	3/12/97	2.5 - 3	524033	3108	2-10
	SB-28	3/12/97	Surface	524034	3108	2-10
	SB-28 (M-28)	3/12/97	Surface (REP)	524035	3108	2-10
	SB-28	3/12/97	2.5 - 3	524036	3108	< 2
	SB-29	3/12/97	Surface	524037	3108	< 2
	SB-29	3/12/97	2.5 - 3	524038	3108	< 2
	SB-30	3/12/97	Surface	524039	3108	< 2
	SB-30	3/12/97	Surface DUP)	524039	3108	< 2
	SB-30	3/12/97	2.5 - 3	524040	3108	< 2
	SB-30 (M-30)	3/12/97	2.5 - 3 (REP)	524041	3108	< 2
	SB-31	3/12/97	Surface	524042	3108	10 - 100
	SB-31	3/12/97	Surface DUP)	524042	3108	10 - 100

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
Off-Property - West	SB-31	3/12/97	2.5 - 3	524043	3108	< 2
	SB-32	3/12/97	Surface	523306	3121	10-100
	SB-32	3/12/97	2.5 - 3	523307	3121	< 2
	SB-33	3/12/97	Surface	523308	3121	< 2
	SB-33	3/12/97	2.5 - 3	523309	3121	< 2
	SB-34	3/12/97	Surface	523310	3121	10-100
	SB-34 (M-34)	3/12/97	Surface (REP)	523311	3121	10-100
	SB-34	3/12/97	2.5 - 3	523312	3121	< 2
	SB-35	3/12/97	Surface	523313	3121	< 2
	SB-35	3/12/97	Surface (DUP)	523313	3121	< 2
	SB-35	3/12/97	2.5 - 3	523314	3121	< 2
	SB-36	3/12/97	Surface	523315	3123	> 100
	SB-36	3/12/97	2.5 - 3	523316	3123	< 2
Off-Property - North	SB-37	3/12/97	2.5 - 3	523326	3121	< 2
	SB-37	3/12/97	Surface	523327	3121	< 2
	SB-38	3/12/97	Surface	524011	3106	< 2
	SB-38	3/12/97	2.5 - 3	524012	3106	< 2
	SB-39	3/12/97	Surface	523328	3121	< 2
	SB-39	3/12/97	2.5 - 3	523329	3121	< 2
	SB-39 (M-39)	3/12/97	2.5 - 3 (REP)	523330	3121	< 2
	SB-40	3/12/97	Surface	524013	3106	< 2
	SB-40	3/12/97	2.5 - 3	524014	3106	< 2
	SB-41	3/12/97	Surface	523331	3121	< 2
	SB-41	3/12/97	Surface (DUP)	523331	3121	< 2
	SB-41	3/12/97	2.5 - 3	523332	3121	< 2
	SB-42	3/12/97	Surface	524015	3106	< 2
	SB-42	3/12/97	2.5 - 3	524016	3106	< 2
	SB-43	3/12/97	Surface	523333	3122	< 2
	SB-43	3/12/97	2.5 - 3	523334	3122	< 2
	SB-43 (M-43)	3/12/97	2.5 - 3 (REP)	523335	3122	< 2
	SB-44	3/12/97	Surface	524017	3106	< 2
	SB-44	3/12/97	2.5 - 3	524018	3106	< 2
	SB-45	3/12/97	Surface	523336	3122	< 2
	SB-45	3/12/97	2.5 - 3	523337	3122	< 2
	SB-46	3/12/97	Surface	524019	3106	< 2
	SB-46	3/12/97	2.5 - 3	524020	3106	< 2
	SB-46	3/12/97	2.5 - 3 (DUP)	524020	3106	2 - 10

Table 2
DDT Immunoassay Test Results
Northwest Corner, Former Montrose Facility

Sample Area	Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG[1]	Total DDT (mg/kg)
Off-Property - North	SB-47	3/12/97	Surface	523338	3122	< 2
	SB-47 (M-47)	3/12/97	Surface (REP)	523339	3122	< 2
	SB-47	3/12/97	2.5 - 3	523340	3122	< 2
	SB-48	3/12/97	Surface	524021	3106	< 2
	SB-48	3/12/97	2.5 - 3	524022	3106	< 2
	SB-48 (M-48)	3/12/97	2.5 - 3 (REP)	524023	3106	< 2
	SB-49	3/12/97	Surface	523347	3122	< 2
	SB-49	3/12/97	2.5 - 3	523348	3122	< 2
	SB-50	3/12/97	Surface	524024	3106	< 2
	SB-50	3/12/97	2.5 - 3	524025	3106	< 2
	SB-51	3/12/97	Surface	523345	3122	< 2
	SB-51	3/12/97	2.5 - 3	523346	3122	< 2
	SB-52	3/12/97	Surface	523322	3123	< 2
	SB-52	3/12/97	2.5 - 3	523323	3123	< 2
	SB-53	3/12/97	Surface	523349	3122	< 2
	SB-53	3/12/97	2.5 - 3	523350	3122	< 2
	SB-54	3/12/97	Surface	523324	3121	< 2
	SB-54	3/12/97	2.5 - 3	523325	3121	< 2

* Depth below any artificial cover or road base.

[1] SDG = Sample Delivery Group.

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-01		SB-03		SB-04		SB-06		SB-06		SB-10	
Sample No.	523401		523405		523413		523419		523420		523428	
Sample Date:	10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97		10-Mar-97	
Sample Depth:	Surface		Surface		Surface		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
beta-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
delta-BHC	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
gamma-BHC (Lindane)	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Heptachlor	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Aldrin	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Heptachlor Epoxide	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Endosulfan I	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Dieldrin	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDE	**140,000**		**1,200**		**260,000**		78,000	U	**2,400**		**1,100,000**	
Endrin	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endosulfan II	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDD	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endosulfan Sulfate	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
4,4'-DDT	**2,000,000**	J	**7,100**	J	**1,400,000**	J	**480,000**	J	**1,900**	J	**2,200,000**	J
Methoxyclor	1,000,000	U	4,000	U	1,000,000	U	400,000	U	1,900	U	1,000,000	U
Endrin ketone	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
Endrin aldehyde	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
alpha-Chlordane	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
gamma-Chlordane	100,000	U	400	U	100,000	U	40,000	U	190	U	100,000	U
Toxaphene	10,000,000	U	40,000	U	10,000,000	U	4,000,000	U	19,000	U	10,000,000	U
Aroclor 1016	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1221	4,000,000	U	16,000	U	4,000,000	U	1,600,000	U	7,500	U	4,000,000	U
Aroclor 1232	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1242	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1248	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1254	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
Aroclor 1260	2,000,000	U	7,800	U	2,000,000	U	780,000	U	3,700	U	2,000,000	U
2,4'-DDE	200,000	U	780	U	200,000	U	78,000	U	**190**		**160,000**	J
2,4'-DDD	200,000	U	780	U	200,000	U	78,000	U	370	U	200,000	U
2,4'-DDT	**480,000**	J	**1,600**	J	**360,000**	J	**47,000**	J	**770**	J	**690,000**	J
Total DDT, DDE & DDD	**2,620,000**		**9,900**		**2,020,000**		**527,000**		**5,260**		**4,150,000**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-11		SB-14		SB-16		SB-20		SB-21		SB-24	
Sample No.	523432		523442		523447		523357		523359		524028	
Sample Date:	10-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		12-Mar-97	
Sample Depth:	2.5 - 3		Surface (REP)		Surface		Surface		Surface		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
beta-BHC	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
delta-BHC	61,000	U	200,000	U	**61,000**	J	100,000	U	61,000	U	3,600	U
gamma-BHC (Lindane)	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Heptachlor	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Aldrin	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Heptachlor Epoxide	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Endosulfan I	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Dieldrin	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDE	**410,000**		**1,700,000**		**1,600,000**		**2,100,000**		**630,000**		**36,000**	
Endrin	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
Endosulfan II	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDD	120,000	U	400,000	U	200,000	U	**230,000**	J	**56,000**	J	7,100	U
Endosulfan Sulfate	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
4,4'-DDT	**1,000,000**	J	**4,400,000**	J	**2,500,000**	J	**3,000,000**	J	**1,300,000**	J	**66,000**	J
Methoxyclor	610,000	U	2,000,000	U	1,000,000	U	1,000,000	U	610,000	U	36,000	U
Endrin ketone	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
Endrin aldehyde	120,000	U	400,000	U	200,000	U	200,000	U	120,000	U	7,100	U
alpha-Chlordane	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
gamma-Chlordane	61,000	U	200,000	U	100,000	U	100,000	U	61,000	U	3,600	U
Toxaphene	6,100,000	U	20,000,000	U	10,000,000	U	10,000,000	U	6,100,000	U	360,000	U
Aroclor 1016	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1221	2,400,000	U	8,100,000	U	4,000,000	U	4,100,000	U	2,400,000	U	140,000	U
Aroclor 1232	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1242	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1248	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1254	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
Aroclor 1260	1,200,000	U	4,000,000	U	2,000,000	U	2,000,000	U	1,200,000	U	71,000	U
2,4'-DDE	120,000	U	**420,000**		**200,000**		**300,000**		**110,000**		**4,200**	J
2,4'-DDD	120,000	U	400,000	U	200,000	U	**210,000**		120,000	U	7,100	U
2,4'-DDT	**270,000**	J	**1,100,000**	J	**780,000**		**770,000**	J	**320,000**	J	**18,000**	J
Total DDT, DDE & DDD	**1,680,000**		**7,620,000**		**5,080,000**		**6,610,000**		**2,416,000**		**124,200**	

Note: Positive detections are bolded for clarity.

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UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-25A-D	SB-25D	SB-26	SB-28	SB-30	SB-32
Sample No.	523341-44	523344	524030	524034	524039	523306
Sample Date:	13-Mar-97	13-Mar-97	12-Mar-97	12-Mar-97	12-Mar-97	12-Mar-97
Sample Depth:	COMP	COMP	Surface	Surface	Surface	Surface
Units:	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
Method:	CLP Pest.	CLP Pest.	CLP Pest.	CLP Pest.	CLP Pest.	CLP Pest.
alpha-BHC	36 U	18 U	180 U	380 U	96 U	1,900 U
beta-BHC	36 U	18 U	180 U	380 U	96 U	1,900 U
delta-BHC	36 U	18 U	180 U	380 U	96 U	1,900 U
gamma-BHC (Lindane)	36 U	18 U	180 U	380 U	96 U	1,900 U
Heptachlor	36 U	18 U	180 U	380 U	96 U	1,900 U
Aldrin	36 U	18 U	180 U	380 U	96 U	1,900 U
Heptachlor Epoxide	**110 J**	18 U	180 U	380 U	96 U	1,900 U
Endosulfan I	36 U	18 U	180 U	380 U	96 U	1,900 U
Dieldrin	71 U	35 U	350 U	730 U	190 U	3,600 U
4,4'-DDE	**660**	**590**	**1,000**	**5,000**	**770**	**2,400 J**
Endrin	71 U	35 U	350 U	730 U	190 U	3,600 U
Endosulfan II	71 U	35 U	350 U	730 U	190 U	3,600 U
4,4'-DDD	**39 J**	**29 J**	350 U	730 U	190 U	3,600 U
Endosulfan Sulfate	71 U	35 U	350 U	730 U	190 U	3,600 U
4,4'-DDT	**710**	**400**	**3,700**	**9,700 J**	**2,000 J**	**14,000**
Methoxyclor	360 U	180 U	1,800 U	3,800 U	960 U	19,000 U
Endrin ketone	71 U	35 U	350 U	730 U	190 U	3,600 U
Endrin aldehyde	71 U	35 U	350 U	730 U	190 U	3,600 U
alpha-Chlordane	36 U	18 U	180 U	380 U	96 U	1,900 U
gamma-Chlordane	36 U	18 U	180 U	380 U	96 U	1,900 U
Toxaphene	3,600 U	1,800 U	18,000 U	38,000 U	9,600 U	190,000 U
Aroclor 1016	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
Aroclor 1221	1,400 U	720 U	7,100 U	15,000 U	3,800 U	74,000 U
Aroclor 1232	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
Aroclor 1242	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
Aroclor 1248	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
Aroclor 1254	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
Aroclor 1260	710 U	350 U	3,500 U	7,300 U	1,900 U	36,000 U
2,4'-DDE	71 U	35 U	350 U	**700 J**	190 U	3,600 U
2,4'-DDD	71 U	35 U	350 U	730 U	190 U	3,600 U
2,4'-DDT	**150 J**	**110 J**	**530 J**	**2,500 J**	**420 J**	**3,000 J**
Total DDT, DDE & DDD	**1,559**	**1,129**	**5,230**	**17,900**	**3,190**	**19,400**

Note: Positive detections are bolded for clarity.

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UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-34		SB-36		SB-41		SB-42		SB-45		SB-49	
Sample No.	523310		523315		523331		524015		523337		523348	
Sample Date:	12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		13-Mar-97		13-Mar-97	
Sample Depth:	Surface		Surface		Surface		Surface		2.5 - 3		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
beta-BHC	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
delta-BHC	340	J	1,900	U	2.1	U	20	U	2.0	U	2.0	U
gamma-BHC (Lindane)	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Heptachlor	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Aldrin	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Heptachlor Epoxide	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Endosulfan I	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Dieldrin	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDE	**1,700**		**3,400**	**J**	**5.8**		**200**		3.8	U	3.8	U
Endrin	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endosulfan II	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDD	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endosulfan Sulfate	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
4,4'-DDT	**7,900**		**26,000**		**8.5**		**420**	**J**	**2.2**	**J**	**4.1**	
Methoxyclor	3,800	U	19,000	U	21	U	200	U	20	U	20	U
Endrin ketone	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
Endrin aldehyde	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
alpha-Chlordane	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
gamma-Chlordane	380	U	1,900	U	2.1	U	20	U	2.0	U	2.0	U
Toxaphene	38,000	U	190,000	U	210	U	2,000	U	200	U	200	U
Aroclor 1016	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1221	15,000	U	74,000	U	82	U	790	U	78	U	78	U
Aroclor 1232	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1242	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1248	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1254	7,300	U	36,000	U	40	U	390	U	38	U	38	U
Aroclor 1260	7,300	U	36,000	U	40	U	390	U	38	U	38	U
2,4'-DDE	730	U	3,600	U	4.0	U	**21**	**J**	3.8	U	3.8	U
2,4'-DDD	730	U	3,600	U	4.0	U	39	U	3.8	U	3.8	U
2,4'-DDT	**1,800**	**J**	**5,000**	**J**	4.0	U	**100**	**J**	3.8	U	3.8	U
Total DDT, DDE & DDD	**11,400**		**34,400**		**14**		**741**		**2**		**4**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-55		SB-55		SB-56		SB-56		SB-57		SB-57	
Sample No.	523363		523364		523366		523367		523368		523369	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
beta-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
delta-BHC	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
gamma-BHC (Lindane)	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Heptachlor	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Aldrin	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Heptachlor Epoxide	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Endosulfan I	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Dieldrin	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDE	**170**		**65**		**1,200**		**30**		**150,000**	**J**	**8,900**	
Endrin	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endosulfan II	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDD	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endosulfan Sulfate	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
4,4'-DDT	**210**		83	U	**3,100**		53	U	**1,500,000**		**6,200**	
Methoxyclor	100	U	40	U	2,000	U	20	U	780,000	U	20,000	U
Endrin ketone	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
Endrin aldehyde	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
alpha-Chlordane	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
gamma-Chlordane	10	U	4.0	U	200	U	2.0	U	78,000	U	2,000	U
Toxaphene	1,000	U	400	U	20,000	U	200	U	7,800,000	U	200,000	U
Aroclor 1016	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1221	400	U	160	U	7,900	U	78	U	3,100,000	U	77,000	U
Aroclor 1232	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1242	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1248	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1254	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
Aroclor 1260	200	U	77	U	3,900	U	38	U	1,500,000	U	38,000	U
2,4'-DDE	**12**	**J**	**5.3**	**J**	390	U	**2.6**	**J**	150,000	U	3,800	U
2,4'-DDD	20	U	7.7	U	390	U	3.8	U	150,000	U	3,800	U
2,4'-DDT	**77**	**J**	**25**	**J**	**750**	**J**	13	U	**450,000**	**J**	**2,400**	**J**
Total DDT, DDE & DDD	**469**		**95**		**5,050**		**33**		**2,100,000**		**17,500**	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits

UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-58		SB-58 (M-58)		SB-58		SB-59		SB-59		SB-60	
Sample No.	523372		523373		523374		523375		523377		523378	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		Surface (REP)		2.5 - 3		1 - 1.5		3 - 3.5		1 - 1.5	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
beta-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
delta-BHC	41,000	U	54,000	U	190	U	100,000	U	980	U	**250,000**	
gamma-BHC (Lindane)	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Heptachlor	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Aldrin	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Heptachlor Epoxide	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Endosulfan I	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Dieldrin	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDE	**53,000**	**J**	**250,000**		**2,000**		**98,000**		**14,000**		**1,500,000**	
Endrin	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
Endosulfan II	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDD	80,000	U	100,000	U	380	U	**230,000**	**J**	1,900	U	**240,000**	**J**
Endosulfan Sulfate	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
4,4'-DDT	**780,000**		**1,600,000**		**2,500**		**860,000**		**16,000**		**3,300,000**	
Methoxyclor	410,000	U	540,000	U	1,900	U	1,000,000	U	9,800	U	1,000,000	U
Endrin ketone	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
Endrin aldehyde	80,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
alpha-Chlordane	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
gamma-Chlordane	41,000	U	54,000	U	190	U	100,000	U	980	U	100,000	U
Toxaphene	4,100,000	U	5,400,000	U	19,000	U	10,000,000	U	98,000	U	10,000,000	U
Aroclor 1016	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1221	1,600,000	U	2,100,000	U	7,600	U	3,900,000	U	38,000	U	4,100,000	U
Aroclor 1232	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1242	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1248	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1254	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
Aroclor 1260	800,000	U	1,000,000	U	3,800	U	1,900,000	U	19,000	U	2,000,000	U
2,4'-DDE	800,000	U	**58,000**	**J**	380	U	190,000	U	**1,000**	**J**	**240,000**	
2,4'-DDD	800,000	U	100,000	U	380	U	190,000	U	1,900	U	200,000	U
2,4'-DDT	**140,000**	**J**	**390,000**	**J**	**790**	**J**	**140,000**	**J**	**5,400**	**J**	**780,000**	**J**
Total DDT, DDE & DDD	973,000		2,298,000		5,290		1,328,000		36,400		6,060,000	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-60		SB-61		SB-61		SB-62		SB-62		SB-63	
Sample No.	523380		523381		523382		523383		523384		524001	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		12-Mar-97	
Sample Depth:	3 - 3.5		1 - 1.5		3 - 3.5		1 - 1.5		3 - 3.5		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
beta-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
delta-BHC	19	U	40,000	U	20	U	4,100	U	20	U	20	U
gamma-BHC (Lindane)	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Heptachlor	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Aldrin	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Heptachlor Epoxide	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Endosulfan I	19	U	40,000	U	20	U	4,100	U	20	U	20	U
Dieldrin	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDE	**210**		**780,000**		**480**		**63,000**		**110**		**620**	
Endrin	37	U	78,000	U	38	U	8,000	U	38	U	40	U
Endosulfan II	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDD	**22**	**J**	**43,000**	**J**	**16**	**J**	**9,700**	**J**	**34**	**J**	40	U
Endosulfan Sulfate	37	U	78,000	U	38	U	8,000	U	38	U	40	U
4,4'-DDT	**440**		**1,100,000**		**450**		**100,000**		**390**		**550**	**J**
Methoxyclor	37	U	400,000	U	200	U	41,000	U	200	U	200	U
Endrin ketone	37	U	78,000	U	38	U	8,000	U	38	U	40	U
Endrin aldehyde	19	U	78,000	U	38	U	8,000	U	38	U	40	U
alpha-Chlordane	19	U	40,000	U	20	U	4,100	U	20	U	20	U
gamma-Chlordane	1,900	U	40,000	U	20	U	4,100	U	20	U	20	U
Toxaphene	370	U	4,000,000	U	2,000	U	410,000	U	2,000	U	2,000	U
Aroclor 1016	750	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1221	370	U	1,600,000	U	770	U	160,000	U	770	U	810	U
Aroclor 1232	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1242	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1248	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1254	370	U	780,000	U	380	U	80,000	U	380	U	400	U
Aroclor 1260	370	U	780,000	U	380	U	80,000	U	380	U	400	U
2,4'-DDE	**29**	**J**	**110,000**		**34**	**J**	**13,000**		38	U	**45**	
2,4'-DDD	37	U	78,000	U	38	U	**4,900**	**J**	**30**	**J**	**21**	**J**
2,4'-DDT	**110**	**J**	**340,000**	**J**	**160**	**J**	**23,000**	**J**	**84**	**J**	**200**	**J**
Total DDT, DDE & DDD	**811**		**2,373,000**		**1,140**		**213,600**		**648**		**1,436**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-63		SB-64		SB-64		SB-65		SB-65		SB-66	
Sample No.	524002		524003		524005		524006		524007		524008	
Sample Date:	12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97	
Sample Depth:	2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	39	U	41	U	20	U	40	U	39	U	10,000	U
beta-BHC	39	U	41	U	20	U	40	U	39	U	10,000	U
delta-BHC	39	U	41	U	20	U	**21**	**J**	39	U	10,000	U
gamma-BHC (Lindane)	39	U	41	U	20	U	40	U	39	U	10,000	U
Heptachlor	39	U	41	U	20	U	40	U	39	U	10,000	U
Aldrin	39	U	41	U	20	U	40	U	39	U	10,000	U
Heptachlor Epoxide	39	U	41	U	20	U	40	U	39	U	10,000	U
Endosulfan I	39	U	41	U	20	U	40	U	39	U	10,000	U
Dieldrin	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDE	**860**		**600**		**470**		**650**		**560**		**73,000**	
Endrin	76	U	80	U	39	U	78	U	76	U	20,000	U
Endosulfan II	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDD	76	U	80	U	39	U	78	U	76	U	**38,000**	**J**
Endosulfan Sulfate	76	U	80	U	39	U	78	U	76	U	20,000	U
4,4'-DDT	**560**	**J**	**770**	**J**	**560**	**J**	**1,000**	**J**	**570**	**J**	**300,000**	
Methoxyclor	390	U	410	U	200	U	400	U	390	U	100,000	U
Endrin ketone	76	U	80	U	39	U	78	U	76	U	20,000	U
Endrin aldehyde	76	U	80	U	39	U	78	U	76	U	20,000	U
alpha-Chlordane	39	U	41	U	20	U	40	U	39	U	10,000	U
gamma-Chlordane	39	U	41	U	20	U	40	U	39	U	10,000	U
Toxaphene	3,900	U	4,100	U	2,000	U	4,000	U	3,900	U	1,000,000	U
Aroclor 1016	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1221	1,500	U	1,600	U	790	U	1,600	U	1,500	U	410,000	U
Aroclor 1232	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1242	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1248	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1254	760	U	800	U	390	U	780	U	760	U	200,000	U
Aroclor 1260	760	U	800	U	390	U	780	U	760	U	200,000	U
2,4'-DDE	**60**	**J**	**41**	**J**	**30**	**J**	**45**	**J**	76	U	**10,000**	**J**
2,4'-DDD	76	U	80	U	39	U	78	U	76	U	**23,000**	
2,4'-DDT	**250**	**J**	**240**	**J**	**180**	**J**	**300**	**J**	**190**	**J**	**55,000**	**J**
Total DDT, DDE & DDD	1,730		1,651		1,240		1,995		1,320		499,000	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-66		SB-67		SB-67		SB-68		SB-68		SB-69	
Sample No.	524010		523385		523386		523387		523388		523392	
Sample Date:	12-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3		Surface	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µ/g/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	99	U	10,000	U	39	U	**70**	**J**	9.8	U	2,000	U
beta-BHC	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
delta-BHC	99	U	10,000	U	39	U	**300**		9.8	U	2,000	U
gamma-BHC (Lindane)	99	U	10,000	U	39	U	**44**	**J**	9.8	U	2,000	U
Heptachlor	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Aldrin	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Heptachlor Epoxide	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Endosulfan I	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Dieldrin	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDE	**1,500**		**85,000**		**650**		**180**		**130**		**17,000**	
Endrin	190	U	19,000	U	76	U	39	U	19	U	3,900	U
Endosulfan II	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDD	190	U	19,000	U	**29**	**J**	**20**	**J**	19	U	3,900	U
Endosulfan Sulfate	190	U	19,000	U	76	U	39	U	19	U	3,900	U
4,4'-DDT	**1,300**	**J**	**140,000**		**780**		**380**		**190**		**20,000**	
Methoxyclor	990	U	100,000	U	390	U	200	U	98	U	20,000	U
Endrin ketone	190	U	19,000	U	76	U	39	U	19	U	3,900	U
Endrin aldehyde	190	U	19,000	U	76	U	39	U	19	U	3,900	U
alpha-Chlordane	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
gamma-Chlordane	99	U	10,000	U	39	U	20	U	9.8	U	2,000	U
Toxaphene	9,900	U	1,000,000	U	3,900	U	2,000	U	980	U	200,000	U
Aroclor 1016	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1221	3,900	U	390,000	U	1,500	U	790	U	380	U	80,000	U
Aroclor 1232	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1242	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1248	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1254	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
Aroclor 1260	1,900	U	190,000	U	760	U	390	U	190	U	39,000	U
2,4'-DDE	**110**	**J**	**14,000**	**J**	**52**	**J**	**20**	**J**	**11**	**J**	**3,000**	**J**
2,4'-DDD	190	U	19,000	U	76	U	39	U	19	U	3,900	U
2,4'-DDT	**440**	**J**	**44,000**	**J**	**260**	**J**	**120**	**J**	**60**	**J**	**6,800**	**J**
Total DDT, DDE & DDD	**3,350**		**283,000**		**1,771**		**720**		**391**		**46,800**	

Note: Positive detections are bolded for clarity.

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Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-69		SB-69		SB-70		SB-70		SB-71		SB-71	
Sample No.	523395		523393		523390		523391		523319		523320	
Sample Date:	11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		13-Mar-97		13-Mar-97	
Sample Depth:	Surface (REP)		2.5 - 3		Surface		2.5 - 3		Surface		2.5 - 3	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
beta-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
delta-BHC	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
gamma-BHC (Lindane)	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Heptachlor	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Aldrin	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Heptachlor Epoxide	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Endosulfan I	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Dieldrin	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDE	**220,000**		**2,600**		**1,400**		**2,400**		**2,700**	J	24	U
Endrin	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
Endosulfan II	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDD	**31,000**	J	380	U	200	U	380	U	3,600	U	7.6	U
Endosulfan Sulfate	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
4,4'-DDT	**580,000**		**4,000**		**1,000**		**1,600**		**21,000**	J	78	U
Methoxyclor	210,000	U	2,000	U	1,000	U	2,000	U	19,000	U	39	U
Endrin ketone	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
Endrin aldehyde	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
alpha-Chlordane	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
gamma-Chlordane	21,000	U	200	U	100	U	200	U	1,900	U	3.9	U
Toxaphene	2,100,000	U	20,000	U	10,000	U	20,000	U	190,000	U	390	U
Aroclor 1016	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1221	820,000	U	7,700	U	4,000	U	7,700	U	74,000	U	150	U
Aroclor 1232	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1242	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1248	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1254	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
Aroclor 1260	400,000	U	3,800	U	2,000	U	3,800	U	36,000	U	76	U
2,4'-DDE	**26,000**	J	**210**	J	**110**	J	380	U	3,600	U	4.1	U
2,4'-DDD	40,000	U	380	U	200	U	380	U	3,600	U	7.6	U
2,4'-DDT	**160,000**	J	**1,300**	J	**390**	J	**670**	J	**4,100**	J	18	U
Total DDT, DDE & DDD	**1,017,000**		**8,110**		**2,900**		**4,670**		**27,800**		0	

Note: Positive detections are bolded for clarity.

U = Compound was not detected above reported detection limit

J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits

UJ = Compound was not detected above an estimated detection limit

Table 3
Soil Analytical Results
CLP - Pesticides and Polychlorinated Biphenyls
Northwest Corner, Former Montrose Facility

Sample Location:	SB-72		SB-72		EB		EB		EB		EB	
Sample No.	523317		523318		524049		523304		523436		524057	
Sample Date:	13-Mar-97		13-Mar-97		12-Mar-97		11-Mar-97		10-Mar-97		13-Mar-97	
Sample Depth:	Surface		2.5 - 3									
Units:	µg/Kg		µg/Kg		µg/L		µg/L		µg/L		µg/L	
Matrix:	Soil		Soil		Water		Water		Water		Water	
Method:	CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.		CLP Pest.	
alpha-BHC	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
beta-BHC	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	**31**	**J**	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Aldrin	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor Epoxide	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	77	U	7.8	U	**0.090**	**J**	0.10	U	0.10	U	0.10	U
4,4'-DDE	**83**		18	U	**0.073**	**J**	0.10	U	**0.065**	**J**	0.096	U
Endrin	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	77	U	7.8	U	**0.18**	**J**	0.10	U	0.18	U	0.10	U
Endosulfan Sulfate	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	**760**	**J**	77	U	0.19	U	0.10	U	0.12	U	0.26	U
Methoxyclor	400	U	40	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane	40	U	4.0	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	40	U	4.0	U	**0.028**	**J**	0.050	U	0.050	U	0.050	U
Toxaphene	4,000	U	400	U	5.0	U	5.0	U	5.0	U	5.0	U
Aroclor 1016	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1221	1,600	U	160	U	2.0	U	2.0	U	2.0	U	2.0	U
Aroclor 1232	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1242	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1248	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1254	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1260	770	U	78	U	1.0	U	1.0	U	1.0	U	1.0	U
2,4'-DDE	77	U	7.8	U	0.10	U	0.10	U	0.10	U	0.10	U
2,4'-DDD	77	U	7.8	U	**0.070**	**J**	0.10	U	0.10	U	0.10	U
2,4'-DDT	**150**	**J**	18	U	**0.10**	**J**	0.10	U	**0.085**	**J**	0.10	U
Total DDT, DDE & DDD	993		0		0.42		0.00		0.150		0.00	

Note: Positive detections are bolded for clarity.

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Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	SB-07		SB-14		SB-18		SB-55		SB-57		SB-57 (M-57)		SB-59		SB-60	
Sample No.	523422		523443		523352		523365		523370		523371		523376		523379	
Sample Date:	10-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:	Surface		Surface		Surface		2.5 - 3		2.5 - 3		2.5 - 3 (REP)		3 - 3.5		3 - 3.5	
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Method:	CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC	
Chloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Bromomethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Vinyl Chloride	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Chloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Methylene Chloride	**6**	J	120	U	120	U	12	U	12	U	12	U	11	U	**54**	
Acetone	**77**		**230**	J	120	UJ	12	U	12	U	12	U	11	U	12	U
Carbon Disulfide	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1-Dichloroethene (total)	**13**		120	U	120	U	12	U	12	U	12	U	11	U	12	U
Chloroform	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,2-Dichloroethane	12	U	120	UJ	120	UJ	12	U	12	U	12	U	11	U	12	U
2-Butanone	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1,1-Trichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Carbon Tetrachloride	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Bromodichloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,2-Dichloropropane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
cis-1,3-Dichloropropene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Trichloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Dibromochloromethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1,2-Trichloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Benzene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
trans-1,3-Dichloropropene	12	U	120	U	120	UJ	12	U	12	U	12	U	11	U	12	U
Bromoform	12	U	120	U	120	U	12	U	12	U	12	U	11	U	**8**	J
4-Methyl-2-Pentanone	12	U	120	UJ	120	U	12	U	12	U	12	U	11	U	12	U
2-Hexanone	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Tetrachloroethene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
1,1,2,2-Tetrachloroethane	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Toluene	**200**		**2,900**	J	**3,700**	J	12	U	12	U	12	U	11	U	**100**	
Chlorobenzene	**8**	J	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Ethylbenzene	12	U	120	U	120	U	12	U	12	U	12	U	11	U	12	U
Styrene	12	U	120	U	120	U	12	U	12	U	12	U	11	U		
Xylene (Total)																

Note: Positive detections are bolded for clarity.
U = Compound was not detected above reported detection limit
J = Result is an estimate and is considered semi-quantitative. QA/QC parameters are outside the control limits
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Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	SB-64		SB-66		SB-68		SB-69		SB-72		TB		TB		EB	
Sample No.	524004		524009		523389		523394		524053		524044-45		524047-48		524050-52	
Sample Date:	12-Mar-97		12-Mar-97		11-Mar-97		11-Mar-97		13-Mar-97		12-Mar-97		12-Mar-97		12-Mar-97	
Sample Depth:	Surface		2.5 - 3		2.5 - 3		2.5 - 3		2.5 - 3							
Units:	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/L		µg/L		µg/L	
Matrix:	Soil		Soil		Soil		Soil		Soil		Water		Water		Water	
Method:	CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC	
Chloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromomethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Vinyl Chloride	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Methylene Chloride	**9**	**J**	**9**	**J**	**7**	**J**	**10**	**J**	**7**	**J**	10	U	10	U	10	U
Acetone	12	UJ	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
Carbon Disulfide	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1-Dichloroethene (total)	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chloroform	**7**	**J**	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,2-Dichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
2-Butanone	12	U	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
1,1,1-Trichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Carbon Tetrachloride	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromodichloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,2-Dichloropropane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Trichloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Dibromochloromethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1,2-Trichloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Benzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Bromoform	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
2-Hexanone	12	UJ	12	UJ	12	U	12	U	12	UJ	10	U	10	U	10	U
Tetrachloroethene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Toluene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Chlorobenzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Ethylbenzene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Styrene	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U
Xylene (Total)	12	U	12	U	12	U	12	U	12	U	10	U	10	U	10	U

Note: Positive detections are bolded for clarity.
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Table 4
Soil Analytical Results
CLP - Volatiles
Northwest Corner, Former Montrose Facility

Sample Location:	TB		EB		TB		EB		TB		TB	
Sample No.	524054		524055-56		523396		523433-35		523301-03		523398-99	
Sample Date:	13-Mar-97		13-Mar-97		11-Mar-97		10-Mar-97		11-Mar-97		11-Mar-97	
Sample Depth:												
Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Matrix:	Water		Water		Water		Water		Water		Water	
Method:	CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC		CLP VOC	
Chloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	UJ	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene (total)	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	UJ	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	UJ	10	UJ	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U	10	U
Xylene (Total)	10	U	10	U	10	U	10	U	10	U	10	U

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Table 5
Immunoassay Validation
Northwest Corner, Former Montrose Facility

SDG	NC	LCS Range	Sample Number	MS	Sample Results
3085	ND (<0.2)	1-10	523427	10-100	2-10
3086	ND (<0.2)	1-10	--	--	--
3091	ND (<0.2)	1-10	523358	20-100	20-100
3092	ND (<0.2)	1-10	523359	20-100	100-1000
3106	ND (<0.2)	1-10	524028	20-100	20-100
3106	ND (<0.2)	1-10	524020	2-10	ND (<2)
3108	ND (<0.2)	1-10	524039	10-100	ND (<2)
3108	ND (<0.2)	1-10	524042	10-100	10-100
3121	ND (<0.2)	1-10	523313	2-10	ND (<2)
3121	ND (<0.2)	1-10	523331	2-10	ND (<2)
3122	ND (<0.2)	1-10	523344	2-10	10-100
3123	ND (<0.2)	1-10	--	--	--

NOTE: Results in mg/kg

SDG - Sample Delivery Group

ND - Not detected above the reporting limit for the method

LCS - Laboratory Control Sample

MS - Matrix Spike, 5 mg/Kg

NC - Negative Control

Table 6
DDT Immunoassay
Replicate/Duplicate Comparison Summary
Northwest Corner, Former Montrose Facility

Location Designation	Date Collected	Sample Depth* (feet)	Sample Number	SDG	Sample Result Total DDT (mg/kg)	Replicate/Duplicate Result Total DDT (mg/kg)
SB-02	3/10/97	2.5 - 3	523404	3085	20-100	20-100 / 20-100**
SB-03	3/10/97	Surface	523405	3085	20-100	< 20
SB-06	3/10/97	Surface	523417	3085	20-100	200-1,000
SB-09	3/10/97	2.5 - 3	523427	3085	2-10	2-10
SB-10	3/10/97	Surface	523428	3086	2,000-10,000	100-1,000
SB-12	3/10/97	2.5 - 3	523438	3086	20-100	< 20
SB-14	3/11/97	Surface	523441	3091	2,000-10,000	10,000-100,000
SB-18	3/11/97	Surface	523351	3091	1,000-10,000	1,000-10,000
SB-18	3/11/97	2.5 - 3	523353	3091	20-100	20-100
SB-20	3/11/97	2.5 - 3	523358	3091	20-100	20-100
SB-21	3/11/97	Surface	523359	3092	100-1,000	100-1,000
SB-24	3/12/97	Surface	524028	3106	20-100	20-100
SB-25D	3/12/97	Comp.	523344	3122	10-100	< 2
SB-28	3/12/97	Surface	524034	3108	2-10	2-10
SB-30	3/12/97	Surface	524039	3108	< 2	< 2
SB-30	3/12/97	2.5 - 3	524040	3108	< 2	< 2
SB-31	3/12/97	Surface	524042	3108	10 - 100	10 - 100
SB-34	3/12/97	Surface	523310	3121	10-100	10-100
SB-35	3/12/97	Surface	523313	3121	< 2	< 2
SB-39	3/12/97	2.5 - 3	523329	3121	< 2	< 2
SB-41	3/12/97	Surface	523331	3121	< 2	< 2
SB-43	3/12/97	2.5 - 3	523334	3122	< 2	< 2
SB-46	3/12/97	2.5 - 3	524020	3106	< 2	2 - 10
SB-47	3/12/97	Surface	523338	3122	< 2	< 2
SB-48	3/12/97	2.5 - 3	524022	3106	< 2	< 2

* Depth below any artificial cover or road base.

** Triplicate analysis performed.

Table 7
Comparison of DDT Immunoassay and CLP Pesticide Results
Northwest Corner, Former Montrose Facility

Location	Sample Depth (feet)	Sample #	Concentration (mg/Kg) DDT Immunoassay	Concentration (mg/Kg) DDT (EPA 8080)	CLP Result in Immunoassay Range	CLP Result Less Than Immunoassay Range	CLP Result Greater Than Immunoassay Range
SB-01	Surface	523401	1000-10000	2,620	X		
SB-03	Surface	523405	20-100	9.9		X	
SB-04	Surface	523413	1000-10000	2,020	X		
SB-06	Surface	523419	200-1000	527	X		
SB-10	Surface	523428	2000-10000	4150	X		
SB-11	2.5 - 3	523432	20-100	1680			X
SB-14	Surface - REP	523442	10000-100000	7,620		X	
SB-16	Surface	523447	2000-10000	5,080	X		
SB-20	Surface	523357	10000-100000	6,610		X	
SB-21	Surface	523359	100-1000	2,416			X
SB-24	Surface	524028	20-100	124.2			X
SB-25D	Composite	523344	10-100	1.13		X	
SB-25A-D	Composite	523341-44	< 2-100	1.56	X		
SB-26	Surface	524030	20-100	5.23		X	
SB-28	Surface	524034	2-10	17.9			X
SB-30	Surface	524039	< 2	3.19			X
SB-32	Surface	523306	10-100	19.4	X		
SB-34	Surface	523310	10-100	11.4	X		
SB-36	Surface	523315	> 100	34.4		X	
SB-41	Surface	523331	< 2	0.015	X		
SB-42	Surface	524015	< 2	0.74	X		
SB-45	2.5 - 3	523337	< 2	0.002	X		
SB-49	2.5 - 3	523348	< 2	0.004	X		
SB-6	2.5 - 3	523420	1000-10000	5.26		X	

Figures

FIGURE 1
MONTROSE PROPERTY LOCATION
AND VICINITY MAP

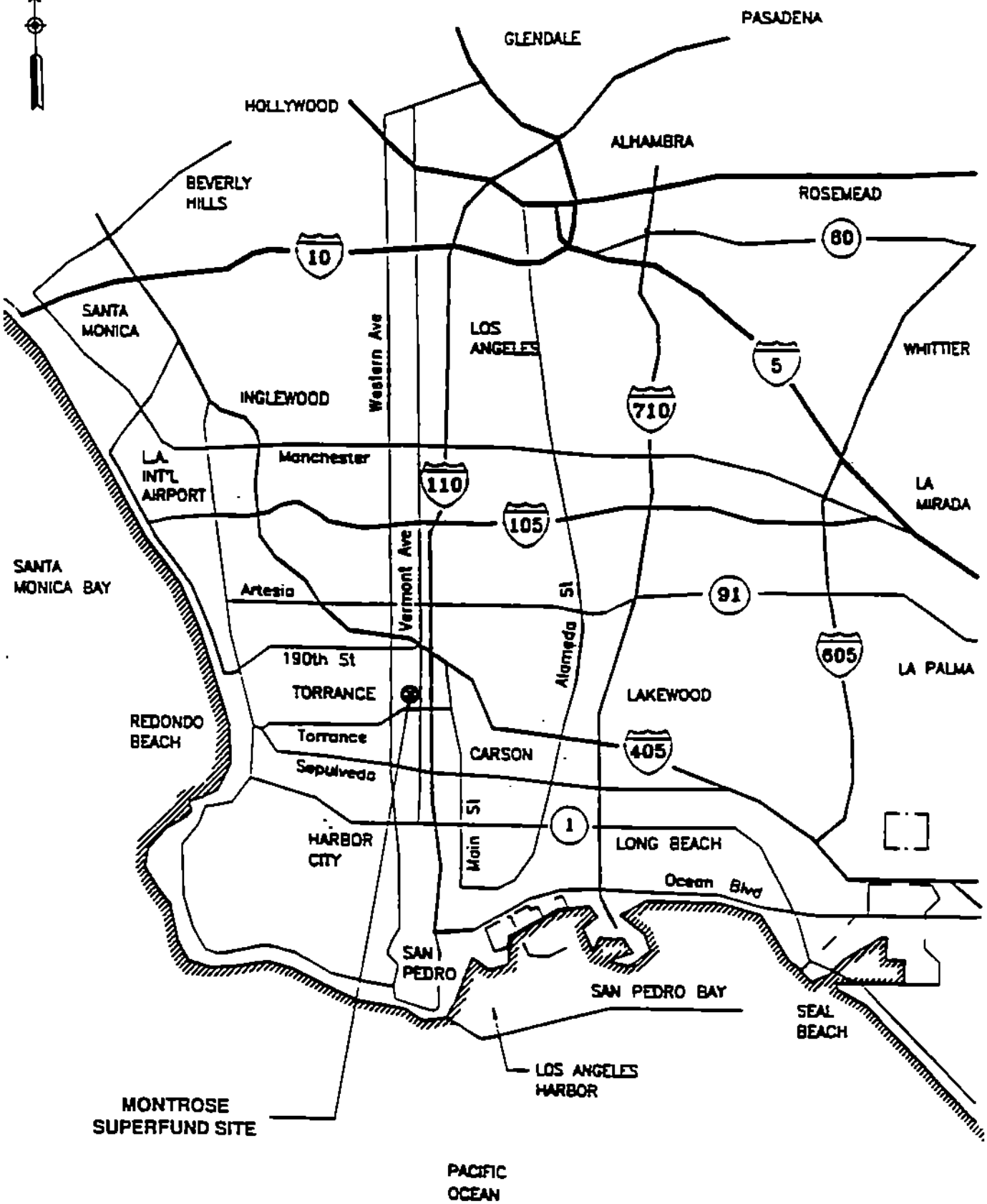

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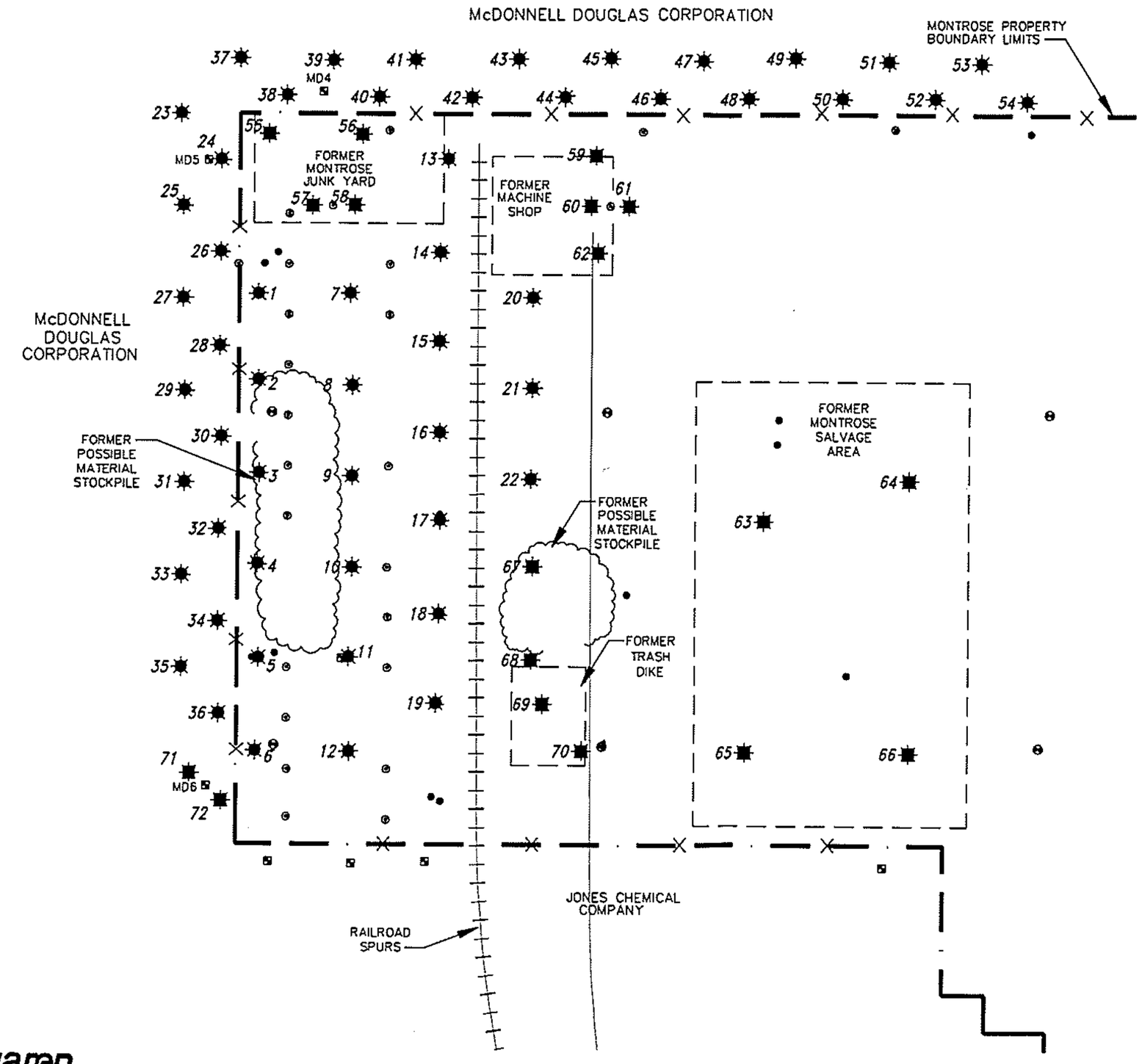
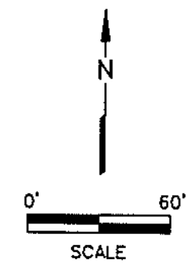
FIGURE 2
FORMER SOIL SAMPLE LOCATIONS AND McLAREN/HART SAMPLE LOCATIONS, NORTHWEST CORNER OF FORMER MONTROSE FACILITY





LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1985 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB-63 ETC.)

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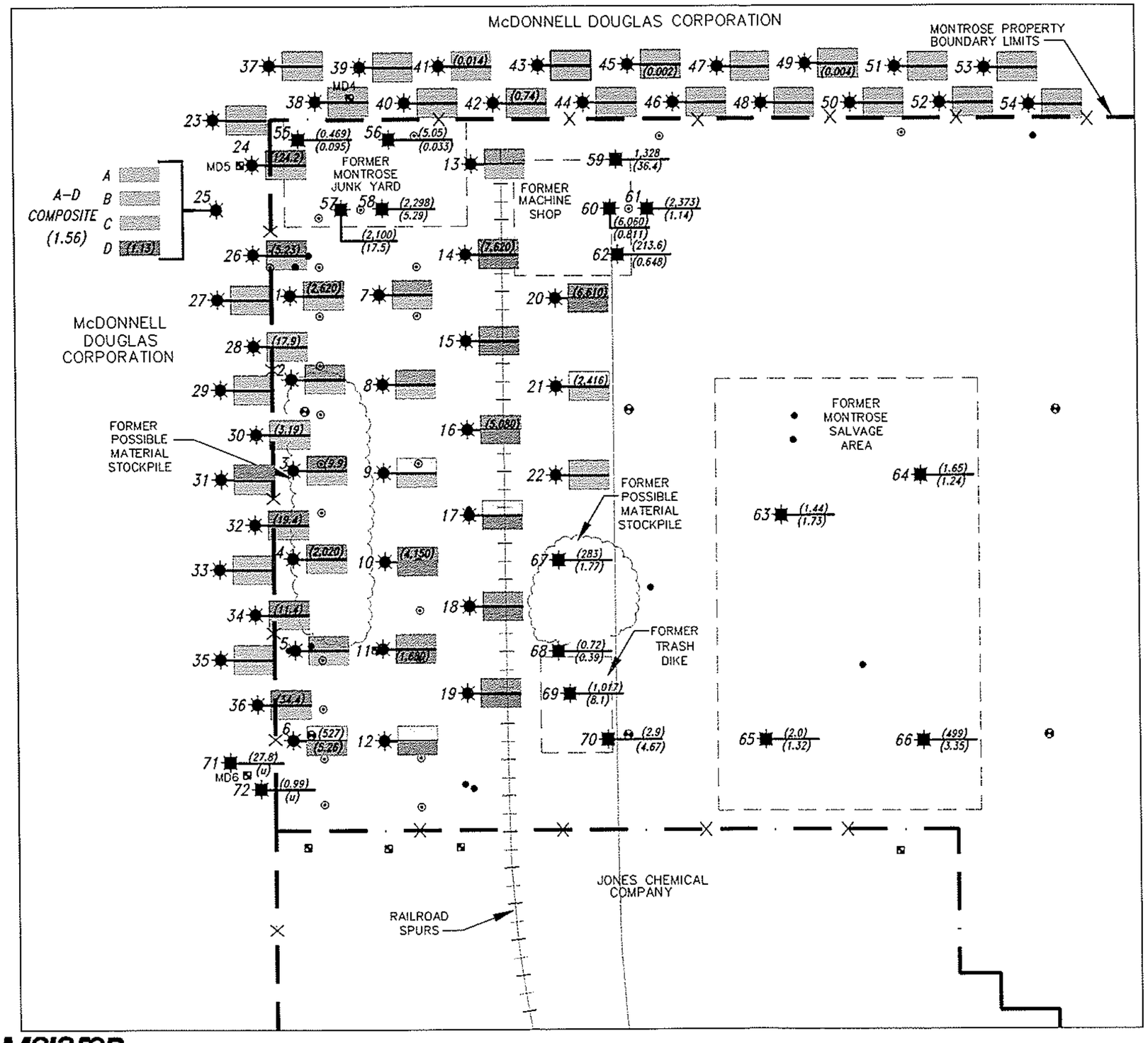
MONTROSE/FIG2-997.DWG (9/17/97)

FIGURE 3
SOIL ANALYSIS RESULTS
CLP–PESTICIDES AND
DDT IMMUNOASSAY
NORTHWEST CORNER OF
FORMER MONTROSE FACILITY



N

0' 60'
SCALE

LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1986 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB–63 ETC.)

Range of DDT Immunoassay (mg/kg)

- 0–10
- >10–200
- >200–1000
- >1000

22 — Shallow (27.8) / Subsurface

Sample Location

CLP Pesticides (mg/kg)

(u) Compound was not detected above reported detection limits

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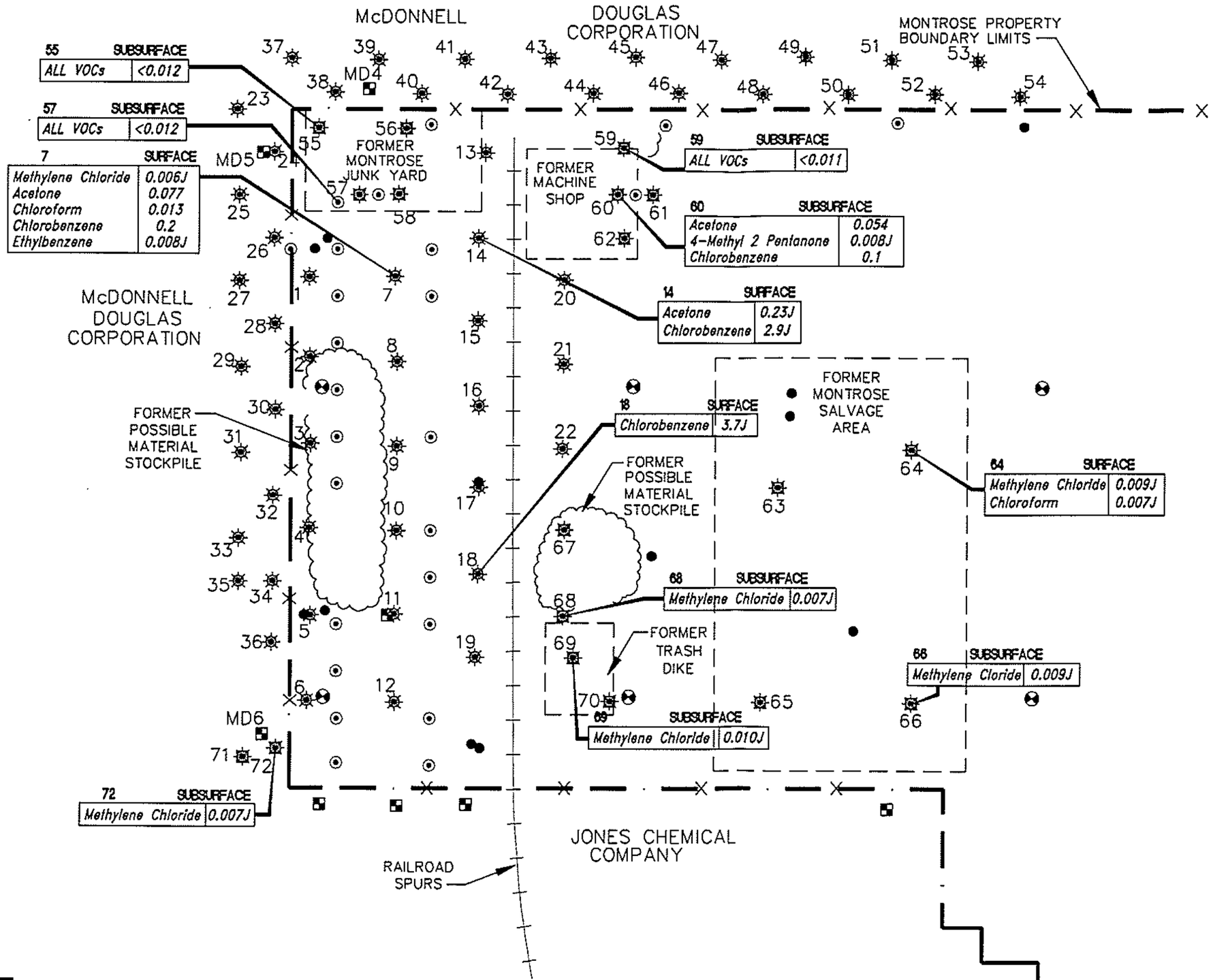
MONTROSE/FIG7A.DWG (5/19/97) vib

FIGURE 4
SOIL ANALYTICAL RESULTS,
CLP VOLATILES,
NORTHWEST CORNER OF
FORMER MONTROSE FACILITY



N

0' 60'
SCALE

LEGEND

- STAUFFER CHEMICALS – 1983 SAMPLE/BORING NUMBER
- HARGIS & MONTGOMERY, INC. – 1983 SAMPLE/BORING
- METCALF & EDDY – 1985 SAMPLE/BORING LOCATIONS
- HARGIS + ASSOCIATES, INC. – 1986 SAMPLE/BORING
- MARCH, 1997 SAMPLING LOCATION (GRID POINT), McLAREN/HART
- MARCH, 1997 SAMPLING LOCATION (BIASED POINT), McLAREN/HART

NOTE: CLP VOLATILE SAMPLING ONLY OCCURRED AT LOCATIONS WHERE DATA ARE SHOWN ONLY DATA ASSOCIATED WITH NORTHWEST CORNER OF PROPERTY IS PLOTTED ON THIS FIGURE.

NUMBER ADJACENT TO SOIL SAMPLE LOCATION REFERS TO SOIL BORING NUMBER (63 REFERS TO SB-63 ETC.)

CONCENTRATIONS IN mg/kg

J QUALIFIER CODE "J" AFTER CONCENTRATION INDICATES RESULT IS CONSIDERED SEMI-QUANTITATIVE. QA/QC PARAMETERS ARE SLIGHTLY OUTSIDE THE CONTROL LIMITS

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MONTRO97/1997/RANCHO/MAY97/FIG4_997.DWG (9/17/97)

Appendix A

Soil Sample Location Lithology Summary

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
ON PROPERTY	SB-01	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-02	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-03	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-04	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-05	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-06	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-07	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0 (s)
	SB-08	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-10	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-11	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-12	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-13	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-14	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	160 (s)
	SB-15	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-16	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-17	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-18	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	23 (s)
	SB-19	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-20	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-21	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
	SB-22	asphalt & road base	silty clay, dark gray 2.5YR 4/1 to dark grayish brown 10YR 4/2	0
OFF PROPERTY	SB-23	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-24	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25A	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25B	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25C	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-25D	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-26	grass & organic layer	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-27	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
OFF PROPERTY (cont.)	SB-28	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-29	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-30	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-31	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-32	loose soil	silty clay, grayish brown 2.5YR 5/2 to dark grayish brown 10YR 4/2	0
	SB-33	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-34	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-35	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-36	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-37	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-38	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-39	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-40	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-41	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-42	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-43	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-44	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-45	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-46	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-47	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-48	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-49	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-50	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-51	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-52	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0
	SB-53	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-54	railroad ballast	silty clay, dark grayish brown 2.5YR 4/2 to dark grayish brown 10YR 4/2	0

SOIL SAMPLE LOCATION LITHOLOGY SUMMARY

NORTHWEST CORNER, FORMER MONTROSE FACILITY
TORRANCE, CALIFORNIA

Sample Area	Location	Surface Type	Soil Sample Type and Color	OVM Reading in ppm (s or ss)*
FORMER "JUNK YARD"	SB-55	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10 YR 4/2	0
	SB-56	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-57	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	22 (s)
	SB-58	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER MACHINE SHOP	SB-59	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-60	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	160 (s)
	SB-61	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-62	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER "SALVAGE AREA"	SB-63	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-64	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-65	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-66	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
FORMER "TRASH DIKE"	SB-67	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-68	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-69	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-70	asphalt & road base	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
VICINITY BORING MD6	SB-71	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0
	SB-72	gravel & tar	silty clay, brown 10YR 4/3 to dark grayish brown 10YR 4/2	0

* Note: "s" denoted surface samples, "ss" denotes subsurface samples

All surface type layer thicknesses are detailed in Table 1. The first surface soil sample was taken in the layer directly below the surface from 1 to 2.5 ft (asphalt etc.) and the

APPENDIX L

SELECTED DOCUMENTS ON HISTORICAL OPERATIONS AT MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

APPENDIX L

SELECTED DOCUMENTS ON HISTORICAL OPERATIONS AT MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

Document Number	Reference*
1.	Montrose, 1950
2.	LADPW, 1953a
3.	LADPW, 1953b
4.	LADPW, 1953c
5.	Montrose, 1953a
6.	Montrose, 1953b
7.	Montrose, 1953c
8.	LACSD, 1956
9.	Montrose, 1956
10.	Montrose, 1957a
11.	–
12.	LADPW, 1959
13.	LADPW, 1964
14.	Montrose, 1964
15.	Montrose, 1965a
16.	Montrose, 1965b
17.	LADPW, 1966
18.	LADPW, 1968
19.	Montrose, 1970a
20.	Montrose, 1970b
21.	Montrose, 1970c
22.	Montrose, 1970d
23.	LACSD, 1970a
24.	LACSD, 1970c
25.	LADPW, 1970a
26.	LADPW, 1970b
27.	LADPW, 1970c
28.	LADPW, 1970d
29.	LADPW, 1971a
30.	LADPW, 1971b
31.	Montrose, 1971
32.	LADPW, 1971c
33.	LACSD, 1971a
34.	LACSD, 1971b
35.	LACSD, 1971c
36.	LACSD, 1971d
37.	LACSD, 1971f
38.	LACSD, 1972
39.	Stauffer, 1973
40.	LACSD, 1974
41.	Montrose, 1974
42.	LACAPCD, 1974
43.	Montrose, 1975
44.	LACAPCD, 1975
45.	LACFCD, 1975
46.	LACSD, 1976
47.	Montrose, 1976
48.	Montrose, 1976a
49.	Montrose, 1977
50.	Stauffer, 1978
51.	Montrose, 1980a

Document Number	Reference*
53.	Montrose, 1981
54.	Montrose, 1981a
55.	Montrose, 1981b
56.	Montrose, 1981c
57.	Montrose, 1981d
58.	Montrose, 1981e
59.	Montrose, 1981f
60.	Stauffer, 1981a
61.	Stauffer, 1981b
62.	Stauffer, 1981c
63.	Stauffer, 1981d
64.	Montrose, 1982
65.	Stauffer, 1983
66.	Montrose, 1990
67.	Montrose, 1990
68.	Gaffney, 1992
69.	Kellog, 1992
70.	Noreyko, 1993

*A full reference for each of these documents can be found in Section 7.0

(1)

MONTROSE CHEMICAL CORPORATION
OF CALIFORNIA

Exhibit A
Supplement

BALANCE SHEET DETAIL
OCTOBER 31, 1950

Accounts Receivable - Associated Companies

Montrose Chemical Company	$ 55 936 13	
Stauffer Chemical Company, Los Angeles	166 624 32	
Stauffer Chemical Company of Nevada	16 688 80	
		$239 249 2

Accounts Receivable - Other

Standard Chlorine Chemical Co.	$ 10 161 98	
Mullenbach Mfg. Co.	15 00	
R. W. Greeff & Co., Inc.	814 20	
		$ 9 362 7

Raw Materials & Sundry - Henderson

Raw Materials (Schedule 1A)			$ 49 966 87	
Goods in Process (Schedule 1A)			16 871 69	
Operating Supply:				
Spent Oleum	100 000#	$.4532 C	453 20	
Stores			21 419 29	
Materials in Transit			- 0-	
				$ 88 711 0

Raw Materials & Sundry - Torrance

Raw Materials (Schedule 2A)			$ 15 772 47	
Goods-in-Process (Schedule 2A)			24 522 10	
Shipping Supplies			14 268 37	
Operating Supplies:				
Oleum	173 864#	$.97323 C	1 692 10	
Fuel Oil			435 51	
Materials in Transit			- 0-	
				$ 56 690 5

Construction in Progress

	Appro'n.	Expenditure	
Torrance:			
Miscellaneous		$ 72 90	
Auth. 528 - MCB Rec'y Plant	31 701 15	13 949 89	
Auth. 577 - Para Dichlorobenzene Eq.	25 000 00	4 867 01	
Auth. 619 - Continuous Columns	17 785 00	20 384 12	
Auth. 629 - Sewer Treating Plant	14 000 00	8 094 81	
Auth. 630 - Power Expansion	2 900 00	3 727 46	
Auth. 631 - Flaker Modification	3 020 00	3 305 75	
Auth. 637 - Acid Separator	8 400 00	8 485 04	
Auth. 641 - Refrigeration Plant	27 520 00	35 668 97	
Auth. 642 - 2 Add'l Condensators	14 700 00	16 721 34	
Auth. 655 - Reserved		1 035 00	
Auth. 663 - Reserved		1 552 50	
			$117 864 7

mgb

CCI 010 00 00 0 7

POOR QUALITY ORIGINAL

Form No. 17-A-50M-7-52

DEPARTMENT OF PUBLIC WOF
CITY OF LOS ANGELES

(2)

OFFICE MEMORANDUM

TO MR. JOHN H. ASHLEY
INDUSTRIAL WASTE
ENGINEER

DATE FEBRUARY 24, 1953

RE: MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
20201 SOUTH NORMANDIE AVENUE, NEVADA 62449 (TORRANCE)
MR. A. R. WILCOX, SUPERINTENDENT

MONTROSE MANUFACTURES DDT INSECTICIDE EXCLUSIVELY. THE PROPERTY IS OWNED BY STAUFFER CHEMICAL COMPANY, SAME ADDRESS. STAUFFER HAS AN ABANDONED ACID PLANT, AND A RESEARCH BUILDING ON THE PROPERTY.

RAINWATER AND DICKEY OBTAINED TWO SAMPLES OF STRONGLY ACID WASTE ON FEBRUARY 20, 1953 AND INSPECTED THE PLANT AREA. ONE SAMPLE WAS OBTAINED FROM DISCHARGE INTO OPEN FIELD DRAIN AT FLORENCE DRIVE AND MAPLE STREET. THE OTHER SAMPLE WAS FROM STREAM OUTFLOW AT THE SOUTHEAST FENCE BOUNDARY - R. R. TRACKAGE AREA.

MR. WILCOX STATED THE WASTE FLOW IN THE STORM CHANNEL WAS DUE TO SEWER STOPPAGE IN INTERNAL PLANT LINES. PLANT CHEMICAL WASTE (MAINLY ACIDIC), WITH CONSIDERABLE OPEN AREA DRAINAGE, GOES TO A COUNTY SEWER. THE FLOW IS DIVERTED INTO AN UNLINED POND, 50' X 45' X 12' DEEP, WHICH HAS A STRAINER AT THE INLET - FLOWS TO A MANHOLE FROM THE POND AND GOES FROM THE TOP OF THE MANHOLE TO THE COUNTY SEWER. THERE IS NO LONGER AN OVERFLOW TO THE STORM DRAIN. MONTROSE IS GOING TO HAVE A NEW CONNECTION TO THE COUNTY SEWER IN NORMANDIE AVENUE SOON, AND THE PRESENT LINE AT THE WEST (REAR) OF THE PROPERTY WILL BE DIVERTED.

CHEMICALS USED ARE: MONOCHLOROBENZENE, CHLORAL, SULFURIC ACID, SUGAR LIME (FOR NEUTRALIZATION)

WASTE SOURCES ARE: 1-BOILER, 2-REACTION PLANT PH1, 3-FINISHING PLANT PH1, 4-ACID STORAGE AREA PH1, 5-COKE SCRUBBER (WOODEN TANK) PH3, 6-REWORK AREA PH11, 7-DDT WASHING SYSTEM PH1 (ONE SOURCE), 8-OPEN POND-SLUDGE REMOVED 2/3 TIMES MONTHLY, 9-ZEOLITE WATER SOFTENER, 10-COMPRESSOR COOLING WATER.

THE REWORK AREA HAS MONOCHLOROBENZENE AND DDT (SLIGHT) WASTE. A 60' X 40' OPEN AREA DRAINS TO SEWER HERE. THIS OPERATION DISSOLVES UP DDT WHEN OFF COLOR, AND TREATS TO REFINE. THE WASTE IS FROM LEAKY VALVES AND PACKING, AND AREA WASHDOWN.

TO THE EAST OF ABOVE IS A 70' X 30' OPEN AREA AROUND THE DDT WASHING SYSTEM. SULFURIC ACID SPILLAGE FROM 2000# ACID PER HOUR, 24-HOUR, 7-DAY WEEK, IS THE WASTE SOURCE. THE ACID IS DILUTED - RANGING FROM 25% TO 3/4% CONCENTRATION.

THE FINISHING PLANT IS AT WEST END OF THE BUILDING. THE REACTION PLANT IS AT EAST END OF THE SAME LARGE BUILDING AT NORTH SIDE OF PROPERTY. TEN GALLONS PER DAY WASTE COMES FROM PUMPS; WASHING, CLEANING, AND COOLING WATER IS IN ADDITION TO THIS.

Form No 17-A—50M—7-52

DEPARTMENT OF PUBLIC WOR
CITY OF LOS ANGELES

OFFICE MEMORANDUM

TO..... DATE.....FEBRUARY 24....., 1953

MONTROSE CHEMICAL CORP., CONTINUED

MONTROSE HAS A 120' WELL, A LARGE 60' TALL COOLING TOWER. $7500 PER MONTH IS SPENT TO NEUTRALIZE WASTE MATERIAL. THE COKE SCRUBBER IS A FUME KILLING DEVICE FOR SULFURIC ACID. DISCHARGE FROM HERE (pH3) GOES TO POND ALSO. THE 350 H.P. BOILER DOES NOT USE INHIBITOR, IS BLOWN DOWN TWICE PER SHIFT. ALL WATER IS TREATED BEFORE USE. THE WASTE FLOW FROM THE PLANT GOES TO A 10" SEWER LINE, SOUTHWESTERLY FROM THE POND. TOTAL PLANT OUTFLOW IS ABOUT 400 GALLONS PER MINUTE.

A NOTICE WAS GIVEN TO MR. WILCOX REQUIRING IMMEDIATE CESSATION OF ALL WASTE FLOW TO STORM CHANNEL AND OF ALL STORM WATER TO SEWER. PERMIT APPLICATIONS WERE LEFT FOR THE ONE SEWER CONNECTION AND MR. WILCOX WILL REVISE MANUFACTURING PROCEDURES AS SOON AS POSSIBLE TO CORRECT THE EXCESSIVE ACIDITY AND FLOW TO THE STORM CHANNEL.

MR. WILCOX STATED THE PLANT WILL BEGIN A NEW PROCESS WITHIN THREE MONTHS WHICH WILL NOT REQUIRE THE LARGE QUANTITIES OF ACID NOW USED.

HERSHEL RAINWATER
JR INDUSTRIAL WASTE INSPECTOR

J. S. DICKEY
INDUSTRIAL WASTE INSPECTOR

March 3, 1953
67 - Sewer Maint.
Industrial Waste
Disposal

Montrose Chemical Corp. of Calif.
P. O. Box 147,
Torrance, California

Attention: Mr. A. R. Wilcox

Gentlemen:

Industrial waste disposal from your chemical plant located at 20101 South Normandie Avenue into an adjacent drainage ditch has been the subject of numerous and continuing complaints from nearby residents and from the County Engineer.

Investigation by my representative discloses the fact that wastes of extremely low pH and containing toxic metallic salts have been thus discharged.

Satisfactory treatment of these wastes to meet State of California Regional Water Pollution Control Board requirements would be very costly and difficult to maintain. It is therefore believed that provisions should be made for their discharge into the new County sewer in or adjacent to Normandie Avenue.

It is necessary that you apply for and receive an industrial waste permit from this Bureau. Enclosed are copies of the application form for that purpose. A permit for connection to the Normandie Avenue sewer may be obtained from the Los Angeles County Sanitation Districts.

Issuance of an industrial waste permit by this Bureau will be contingent upon your compliance with the following particulars:

1) The City industrial waste ordinance, copy of which is enclosed for your information;

2) The regulations of the Sanitation Districts;

3) Segregation and disposal of all chemically polluted or contaminated wastes into the sewer; and

4) Segregation and disposal of all uncontaminated storm waters into the drainage channel.

It is believed that this unsatisfactory condition may be eliminated by prompt action, coupled with due diligence on your part to prevent overflows to the drainage channel pending construction of the new disposal facilities.

Please inform me concerning your plans and intentions, and state a time within which this matter may be concluded.

Yours truly,

AAA
JHA:mb
Encl.

W. A. SCHNEIDER
Waste Disposal Engineer

cc: Los Angeles County Sanitation Districts
cc: Mr. William J. Fox, County Engineer
cc: Stauffer Chemical Corp. of Calif.

(4)

Form 1103—3M Sets—1-53
DEPARTMENT OF PUBLIC WORKS
Bureau of Sanitation
SEWER MAINTENANCE DIVISION
Room 750 City Hall, Los Angeles 12
MIchigan 5211, Station 2755

CITY OF LOS ANGELES

California

PERMIT W 8427

May 15, 1953

INDUSTRIAL WASTE PERMIT

Class III

Revocable permission is hereby granted to

Montrose Chemical Corp., of Calif., P.O. Box 147, Torrance, Calif.
(Name of Firm or Individual) (Address)

to discharge the following indicated class or classes of industrial waste liquids from:

Chemical Manufacturing Plant

Using as a minimum the methods and facilities as shown on their corrected Plans Nos. 966-1-2-3-4, Dated 5-9-53, on file with and approved by this Bureau,

from the premises located at 20201 South Normandie Avenue

into the Co. San. Districts' 57-inch concrete pipe sewer in the right of way westerly of Normandie Avenue

subject to the conditions marked (x) on the reverse side of this sheet and to the further condition that the permittee agrees to take such additional steps in the future as may then be required by the Waste Disposal Engineer or his authorized representative to prevent any damage, danger, or nuisance from the introduction of these waste liquids into the receiving system.

AND SUBJECT TO ANY FURTHER RESTRICTIONS AND/OR REQUIREMENTS OF THE LOS ANGELES COUNTY SANITATION DISTRICTS

RECOMMENDED:

JOHN H. ASHLEY
Industrial Waste Engineer

APPROVED:

W. A. SCHNEIDER
Waste Disposal Engineer

By ALVIN A. APPEL
Sewer Maintenance Superintendent

This permit becomes effective upon receipt of the fee of $10.00 and validation by Cashier in space provided below:

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
BUREAU OF ACCOUNTING
APR 2 - 1953
10 00

Additional permits must be obtained from the Department of Building and Safety for the performance of the work on the property.

PERMIT CONDITIONS

which must be fulfilled by permittee.

☐ GARBAGE GRINDERS

( ) Install only such garbage disposal units as have been approved by the Board of Public Works for fineness of grinding; and use the garbage disposal unit solely for the disposal of "garbage", which is defined in the Municipal Code as "... all animal and vegetable refuse from kitchens and household waste that shall have been prepared for or shall have resulted from the preparation of food or drink to be consumed on the premises."

☒ PROCESS WASTE

(x) Discharge such waste liquids in the manner required by the Plumbing Division of the Department of Building and Safety.

(x) Pass all such waste liquids through ~~x~~ two 1 compartment 25,000 gallon circular (neutralizing tank)~~s~~ having internal dimensions not less than ~~xxxxxxxxxxx~~ 17 feet wide, and 16 feet deep ~~xxxxxxxxxxxxxxxxxxx~~ and keep them clean.

(x) Neutralize such waste liquids to a pH value of between 5.5 (for acidity) and 9.0 (for alkalinity) before discharge.

(x) Clarify such waste liquids to not exceed 600 parts per million of grease or oil and 1000 parts per million of suspended solids before discharge.

(x) Permit no storm water to enter the sewer, except as specifically authorized by the Los Angeles County Sanitation Districts.

(x) Discharge no waste liquids into the sewer at a temperature in excess of 100 degrees Fahrenheit.

(x) Discharge no paints, gums, lacquers, solvents, hydrocarbons, or other flammable substances, but dispose of them legally otherwise;

(x) Discharge no cyanides, phenols, or other toxic substances in excess of 0 parts per million.

(x) Discharge no rags, bones, feathers, glass, metal, wood, or other large solid particles.

(x) Pass the waste liquids through a Standard Weir Manhole No. 2 (Standard Plan No. B 3462.) to be constructed in the discharge line from the clarifier at the applicant's expense and accessibly located on applicant's property or in the public street.

(x) The neutralization system must be maintained and kept in proper working order at all times so that the discharge to the sanitary sewer will be within the above described legal limits.

NOTE:

Items checked above are restricted which are particularly applicable to this permit. The lack of a mark in front of any of the unchecked conditions does not in any way authorize permittee to violate the terms of any unchecked condition, or the general provisions of the Municipal Code governing industrial wastes.

Should you require any additional information regarding this permit, please call the Sewer Maintenance Division, Room 750 City Hall, MIchigan 5211, Station 2755.

Form 1103—3M Sets—1-53

SCHEDULE OF FEES

MAKE CHECK PAYABLE TO:

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

MAIL TO:

INDUSTRIAL WASTE CONTROL SECTION
SEWER MAINTENANCE DIVISION
2335 DORRIS PLACE
LOS ANGELES, CALIFORNIA 90031

I. Section 64.30 — INDUSTRIAL WASTE DISPOSAL — Sewers and/or Storm Drains

1. Application Fee: $20.00 — Note: Submit this fee with application.

2.* Annual Fee:

Class 1	$12.00
Class 2	24.00
Class 3	36.00
Class 4	50.00
Class 5	60.00

*This fee will be billed to the permittee later and in accordance with the dates shown below.

Date of Issuance of Permit	Due Date of Annual Fee
Jan. 1 to March 31, incl.	April 1
Apr. 1 to June 30, incl.	July 1
July 1 to Sept. 30, incl.	Oct. 1
Oct. 1 to Dec. 31, incl.	Jan. 1

II. Section 64.31 — INDUSTRIAL WASTE DISPOSAL INTO WATERCOURSES

1. Application and Fee: The appropriate fee determined from the schedule below must be submitted with this application. The permittee will be billed annually thereafter in accordance with dates set forth above in regard to Section 64.30.

5,000 gals., per day, or less	Class 6	$ 10.00
5,001 - 50,000 gals., per day	Class 7	25.00
50,001 - 500,000 gals., per day	Class 4	50.00
500,001 gals., per day or greater	Class 8	100.00

FURTHER INFORMATION is available at the following District Offices:

Administration: 2335 Dorris Place; PHONE 624-5211, Ext. 1253

North Central Area: 2335 Dorris Place; PHONE 221-3095

Hollywood Area: 6014 Waring Avenue; PHONE 463-4667

Southern Area: 2002 W. Slauson Avenue; PHONE 291-1321

Harbor Area: Rm. 603, San Pedro City Hall; PHONE 831-9211, Ext. 358

San Fernando Valley Area: 14410 Erwin St., Rm. 7; PHONE 782-6125, Ext. 494

West Los Angeles Area: 7166 W. Manchester Ave., Rm. 2; PHONE 670-5016

NOTE: Except for the Administration Office, all District offices are open from 7:30 a.m. to Noon only.

CORRECTIONS
[illegible]
SAN [illegible]

0639-92098

(5)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
AFFILIATE OF STAUFFER CHEMICAL COMPANY
POST OFFICE BOX 147
TORRANCE, CALIFORNIA

March 17, 1953

RECEIVED
MAR 18 1953
By BUREAU OF SANITATION

Los Angeles Department of Public Works
Bureau of Sanitation
748 City Hall
Los Angeles, California

Attention: Mr. W. A. Schneider,
Waste Disposal Engineer

Dear Mr. Schneider:

Please refer to your letter of March 3, 1953, File No. - 67 - Sewer Maint., Subject - Industrial Waste Disposal.

During recent visits to our Plant at 20201 South Normandie by your representatives and by representatives of the Los Angeles County Sanitation District, the problems involved in complete control of our industrial waste have been discussed at considerable length and definite, generalized plans developed.

RECEIVED
MAR 19 1953
Sewer Maintenance Div.

The principal difficulty has been the necessity to dispose of relatively large quantities of dilute sulfuric acid. The economies of the situation as concerns this Plant and the products produced precluded the use of anything but a low grade , low priced waste sugar lime. The quality of this material was uncontrollable and frequently was of such a nature as to cause gummy deposits in the sewer line, causing sufficient restriction to the flow to result in backing up of the waste. Until the waste water could be reduced, this resulted in drainage to the natural surface channels. This problem has been under intensive study by this Company for several months, and has finally resulted in a process change which eliminates 90% of the acid waste and will make possible the use of more expensive, soluble type neutralizers.

It is a pleasure to report at this time that this process was put on the line on March 13, 1953, and that the use of lime has been reduced to a minor amount. Within the next month the use of lime

Department of Public Works March 17, 1953

will be discontinued, and either sodium hydroxide or other soluble neutralizer substituted.

Although this does not satisfy the various conditions for proper waste disposal, it does insure that the present sewer connection will remain open and that no industrial waste will get into the surface channels.

The requirement for separation of all contaminated waste from all uncontaminated storm waters will necessitate considerable revision of inplant drainage. The engineering on this will be completed in approximately two weeks and will be submitted to you at that time along with requests for the proper permits. It is intended to submit proposed plans for connecting to the Normandie Avenue sewer at the same time, in order that work on these two projects may proceed together.

Segregation of the contaminated waters from the uncontaminated is complicated by the outdoor nature of much of the Plant facilities. In a few of these areas the possibility of contamination is serious and it will be necessary to install curbs to retain this water and run it off to the sewer. In the plans to be submitted the extent of the proposed curbed areas will be shown along with the quantity of contaminated water which may be expected from the areas.

Before completion of the engineering work it is impossible to estimate when these various installations can be completed. However, it is our intention to have all this work completed before June 30, 1953.

The cooperative approach and understanding of your various representatives, as well as those from the County Sanitation District, has been sincerely appreciated. It is our intention to do all we can to comply with your regulations as rapidly as possible, and we hope that we will continue to receive your cooperation and assistance.

Very truly yours,

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

A. R. Wilcox
Plant Superintendent

ARW:ia

cc: County Sanitation District

STORE RECORDS CTR
0639-92101

(6)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
AFFILIATE OF STAUFFER CHEMICAL COMPANY
POST OFFICE BOX 147
TORRANCE, CALIFORNIA

April 1, 1953

RECEIVED
APR 2 1953
Sewer Maintenance Div.

Los Angeles Department of Public Works
Bureau of Sanitation
748 City Hall
Los Angeles, California

Att: Mr. W. H. Schneider
Waste Disposal Engineer

Dear Mr. Schneider:

Please refer to my letter to you dated March 17, 1953 concerning sewer installation and permits at this address.

Engineering work on the necessary changes to our sewer drainage system have been hurried and I believe are sufficiently complete to define our plans. Please find the following enclosed: Two copies of Montrose drawings 966-1 "Plant Drainage - General Arrangement", 966-2 "Industrial Waste Collection Troughs", 966-3 "Main Sewer Line" and two copies of "Request for Industrial Waste Permit, with supplement".

In general it is proposed to curb certain areas where it will be impossible to avoid water contamination and to collect these wastes with a new installation of collection troughs, neutralize in a new treating plant and discharge to the proposed new 18" sewer to connect to the County's new 57" line which crosses this property. This constitutes an entirely new industrial waste sewer system for the Plant.

The old drainage troughs in the areas not to be drained to the sewers will be used to carry surface drainage which will continue to be discharged to the pond. This pond will be cleaned out, disconnected from the present sewer and instead tied to the natural surface drainage. The pond would therefore constitute a surface water reservoir and I believe will avoid any water, except during heavy rains, flowing in the surface channels leaving the Plant. The only water which will go to the pond will be rain water and some uncontaminated water resulting from washing off roadways etc.

Your consideration in extending the time requirement for this permit application is most certainly appreciated.

Yours very truly,

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

A. R. Wilcox
Plant Superintendent

ARW:mp

enclosure

cc: (3)

County Sanitation District
of Los Angeles County.

(7)

A. A. APPEL
Superintendent
Sewer Maintenance Division
Room 750, City Hall
Los Angeles 12, California

April 1 1953

W-8427

Dear Sir:

REQUEST FOR INDUSTRIAL WASTE PERMIT

Firm Name: Montrose Chemical Corporation of California

Address (Mailing): P.O.Box 147, Torrance, Calif. Phone No. Nevada 6-2449

Address (of installation): 20201 So. Normandie, Los Angeles, California

Type of industry: Chemical Manufacture

Character of operation producing waste: See attached report

Types of chemicals, solvents, cleaning compound, oils or other substances contained in liquid waste discharge:

RECEIVED
APR 2 1953
Sewer Maintenance Div.

See attached report

Approximate gallonage of waste liquids (see attached report) per (/) hour day.

Additional information:

See attached report

MONTROSE CHEMICAL CORP. OF CALIFORNIA

By [signature], Plant Supt.
(Applicant's signature)

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
BUREAU OF ACCOUNTING

Fee of $10.00 enclosed made payable to the Department of Public Works.

PAID
APR 2 - 1953
10.00
747727

SFUND RECORDS CTR
0639-93409

SUPPLEMENT TO REQUEST FOR INDUSTRIAL WASTE PERMIT

Character of Operation Producing Waste: -

and

Approximate Gallonage of Waste Liquids per 24 Hour Day: -

Montrose Chemical Corporation of California drawings No. 966-1, 2 and 3 attached show the various areas to be drained to the sewer and the proposed new sewer line and neutralizing tanks.

The character of the individual operations and approximate gallonage of waste liquids are listed below under the various areas involved. (Refer to Dwg. No. 966-1)

Area "A" - Steam and Refrigeration Plant

Waste liquids will be produced by: -

1) Boiler blowdown and boiler washout. The blowdown is usual alkaline to a pH of around 11 and the washing water will vary from 11 down to about 7. Blowdown is approximately 4000 gallons/day. Washing is done once in about three months and will run about 15,000 gallons for one day.

2) Evaporative Condenser Washdown. One condenser is washed down with 10% sodium acid sulfate once each week (usually on Wednesday). Total waste is about 2000 gallons containing an average of 1% $NaHSO_4$.

3) Draining of Circulating Brine. Once in about three months 20,000 gallons of 20% sodium chloride brine containing 0.05% sodium dichromate is drained and the tank and system flushed with about 40,000 gallons of water. Total waste is about 60,000 gallons of an average of 6% NaCl over a 24 hour period.

4) Water Softeners. These are regenerated twice each day and will discharge a waste of approximately 4,000 gallons containing 500# of a mixture of magnesium, calcium and sodium chlorides.

5) Miscellaneous. Various small amounts of water and brine treating chemicals, et cetera, are spilled and are flushed down daily. This probably represents 1,000 gallons daily.

Area "B" - Acid Handling Area

Various strengths of sulfuric acid are blended in this area to produce the proper mixtures for manufacturing operations. Although all acids are in closed tanks and pipes, there is unavoidable spillage from samples, pumps and, occasionally, leaking

5/23/68 Copy sent to Mr. Kabel (Montrose) for reviewing (JCE)

pipe lines. It is necessary to flush this area daily with probably 1,000 gallons of water which will contain an estimated 1% sulfuric acid.

Area "C" - Process (Reactor) Line

This area contains a battery of reactors in which the basic reaction forming DDT is accomplished. This reaction involves the use of strong sulfuric acid and requires very frequent sampling and testing which results in some spills. Also ten pumps contribute considerable acid leakage. This area is washed down daily with about 1,000 gallons of water which will contain probably 2% sulfuric acid at times.

Area "D" - DDT Washing 17

The following wastes are produced in this area: -

1) Dilute caustic washing of DDT. After the bulk of the strong spent acid is removed and pumped to storage (disposal by hauling to sea), the DDT is washed with dilute caustic and water to remove the last traces of acid. This produces approximately 50,000 gallons of waste containing about 500# of sodium hydroxide and about 1000# of sodium sulfate.

2) Steam Jet Fume Scrubber. This unit uses a coke packed water spray column to remove acid fumes and discharges approximately 80,000 gallons/day containing about 720# of sulfuric acid.

3) Recirculating Water Jet Fume Scrubbers. Although these jets are located throughout the Plant, the recirculating pump and make-up tank are located in this area. This system will not be completed for a few weeks and it is not known how much acid or blowdown will be necessary. However, it is estimated that this will be in the order of 5000 gallons of a 1% sulfuric acid per day.

Area "E" - Acid Storage Area

Except for three pumps and occasional pipe failure, there will be very little acid loss from this area. It is estimated that about 1000 gallons of water a day will be used for flushing down.

Area "F" - DDT Rework Area

This area contains a plate and frame filter press used for removing decolorizing carbon from monochlorobenzene solutions of DDT. Although there is normally no loss from this unit, there are occasions when a cloth blows out and as much as 10 gallons of monochlorobenzene containing 30% DDT may be lost. This is estimated to happen about once a week. It is estimated that 1000 gallons of water a day will be used for flushing down this area.

In addition, water is used for washing the monochlorobenzene solution and will result in approximately 5000 gallons/day.

In the final separation of the recovered monochlorobenzene approximately 3000 gallons of waste water are produced.

The various areas listed above will all drain to the two neutralizing tanks and represent a total daily steady load of about 156,000 gallons with a surge load of as much as 233,000 gallons in a single day.

This Plant operates entirely on water from the central cooling tower which makes it possible to eliminate any cooling tower blowdown. This, however, makes it mandatory that the cooling tower water be relatively free of acid. Certain acid coolers have, although very infrequently, developed leaks which have necessitated discharging this contaminated cooling water to sewer for as long as three hours to allow for shutdown in order to make repairs.

This momentary surge may be as high as 300 gpm, which would, if continued for a 24 hour period, represent an additional load of 432,000 gallons.

Additional Information
Proposed Neutralizing Plant

The various waste liquids from the Montrose Plant contain various soluble salts, sulfuric acid and sodium hydroxide. The combined effluent is completely soluble containing an excess of sulfuric acid. This excess is estimated to be roughly equivalent to 1000 pounds of sodium hydroxide per day.

As shown on the three drawings attached, it is proposed to run this waste to two approximately ~~12,000~~ 15,000 gallon neutralizing tanks connected in series. Arrangements are provided for parallel flow to allow for repairs when they become necessary. These two tanks will be agitated by compressed air and the excess sulfuric acid neutralized by the addition of a sodium hydroxide solution. This solution will be fed under pump pressure through a pipe and automatic control valves to each of the two tanks. Two Beckman - Bristol pH recorder controllers will be installed, one for each tank to operate the automatic control valves. The first tank will be controlled at some intermediate pH, probably 4.0, and because of the heavier load will be subject to some surging. The second tank will be operated as a finishing control to a pH of 7.0, and can be expected to give a steady control because of the relatively light load.

Both pH controllers are equipped with electric warning switches and will be installed to sound an alarm when either meter deviates from control settings.

This dual instrumentation coupled with automatic warning will reduce to a minimum the possibility of control failure.

Stauffer Research Department Connection

Drawing 699-1 shows a proposed connection from the Stauffer Research Department to the proposed new 18" sewer immediately south of the No. 1 Warehouse and about 20 feet east of the No. 3 railroad tracks.

It has not been determined whether the Research Department will wish to make this connection at this time. In the event they decide to make the connection, additional information concerning their industrial waste and treatment arrangements will be submitted for your approval.

If the Stauffer Reaearch connection is not made at the same time the 18" sewer line is laid, Montrose will plan to connect the office sewer to the 18" line at the point of intersection with the present 6" office line. The exact location of this line will be determined when the 18" is laid.

(8)

[illegible]

[illegible]

Mr. A. H. Wilson, [illegible]
[illegible] Chemical Corporation
[illegible] South [illegible]
Torrance, California

Dear Mr. Wilson:

The County Sanitation Districts' field sampling program identified the presence of acid discharges in the trunk sewer downstream of your plant on July 5 and 6. The acid discharges were traced to your plant and it is our understanding that the probability is that the acids were discharged during the night shifts.

It is hereby requested that you write this office and indicate the manner in which you will prevent recurrence of this action. Your immediate correction is essential to protect the Districts' trunk sewers from the deleterious effects of acid industrial wastes.

Very truly yours,

A M Rawn
Chief Engineer and
General Manager

By
F. R. [illegible]
Division Engineer

FRD:[illegible]

CIRCULATION	INITIAL
DAVIS	A. M. RAWN
COMPTON	
POSTLAUNE	
PASTER	
TEALL	
BENNETT	
[illegible]	
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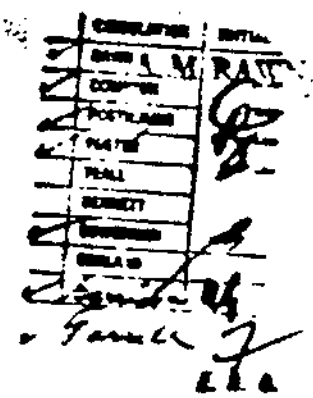

5-320 (9)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

AFFILIATE OF MONTROSE CHEMICAL COMPANY

POST OFFICE BOX 147
TORRANCE, CALIFORNIA

JUL 17 1956

July 16, 1956

CHIEF ENG.
GENERAL MANAGER

Mr. A. M. Rawn, Chief Engineer
and General Manager
County Sanitation Districts
of Los Angeles County
2020 Beverly Boulevard
Los Angeles 57, California

Re: Your File 5-320.20.10

Dear Mr. Rawn:

Currently the Montrose Chemical Corporation of California treats its industrial waste on a batch basis to avoid any discharge of acid containing effluents into the County Sanitation Districts' sewer line. When the tanks are nearly full, an operator samples the waste and determines its pH with sensitive pH paper. If it is not above 7, he adds caustic solution until it is above 7. These tanks are air agitated and mixing is very rapid. When the operator determines that the pH is above 7, he takes a sample and opens the drain valve. The samples are run in the laboratory as a check against the operator's ability to determine and correct the pH. Normally the waste effluent from the plant is slightly alkaline and no correction is required. However, acid can leak from pumps, broken lines, and other emergencies, and it is occasionally necessary to add considerable caustic.

Unfortunately, this system depends on human operators, and is subject to the usual failings of such operations. We have already installed two expensive automatic pH measuring and controlling systems, neither of which would give reliable monitorring or control. Apparently these particular effluents are such that they quickly poison the glass electrodes common to the electrometric systems. At the present time we have a development project going into the pilot plant stage which gives considerable promise of shortly providing accurate, reliable measurements and automatic control over the pH of our waste effluents. We are attempting to quickly develop the measuring and recording section, which will then give us much better control over the manual operation.

Although investigation over a considerable period fails to show that the tanks are discharged while still acid, there is a possibility that the operator may fail to close the outlet valve as soon as the tanks are empty. This would mean that practically all of the effluent which discharged to the sewer was neutral or alkaline. However, following the dumping there could be a small flow having an acid pH.

The sampling apparatus used by the County samples uniformly with respect to time, and not proportional to flow. As our filling time is much longer than the dumping time, the small quantity of acid water discharged just following dumping would be exposed to the sampling apparatus much longer than the bulk discharged at the main dumping time. Our numerous tests and investigations always show that the batch tanks are being properly neutralized before discharging. In order to avoid the possibility of human carelessness allowing post dumping discharge, we are immediately installing an automatic valve closing system which will close the discharge valve just before the tanks go dry.

There is an additional possibility for a post dumping acid sewer. The large valve by check does leak slightly, which might on occasion of an acid spill discharge a small acid effluent. In order to avoid any possibility from this source, we have installed a small bypass caustic line into the sewer beyond the treating tanks. This line will allow a continuous flow of caustic sufficient to neutralize any leakage through the valve, even if it should be acid.

In addition to making a concerted effort to neutralize any acid which gets into our plant waste, we have instituted an intensive preventive maintenance program to eliminate any acid loss at its source. We are installing a number of expensive special alloy pumps, which experience shows will practically eliminate packing gland leakage and also pump breakage. We have already replaced a number of acid lines with stainless steel and monel to prevent acid leakage from corroded lines. This program is being intensified.

Along with the equipment approach all supervisors have been thoroughly familiarized with this problem and its seriousness. My entire technical staff has been combed for ideas on better automatic and manual methods of achieving perfect control over our waste effluent.

I have a feeling that the main trunk line above us has not been sampled to the same extent as below us, as we are the more logical source of any acid effluents. However, I believe there is at least one acid pickling installation above us which could also be guilty of acid discharge at times. I mention this not as an alibi, but only because I would hate to go to all this expensive effort and raise all the Hell I've been doing, and then find we actually had control in the first place.

I assure you that we will continue to give this problem our best effort now that we have been alerted to the failings of our past operations.

Yours very truly,

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

A. R. Wilcox
Plant Manager

ARW:ia
cc: B. Rothberg

(10)

3 x 20

STAUFFER CHEMICAL COMPANY
AND AFFILIATED COMPANIES

APPROPRIATION REQUEST — COST REPORT

COMPANY [redacted] LOCATION [redacted]

A. R. NO. 186-17

DATE [redacted] 31, 1957

DESCRIPTION OF PROJECT [redacted]

DATE STARTED [redacted] ORIGINAL COST ESTIMATE $ 334

DATE COMPLETED [redacted] ACTUAL COST $ [redacted]

ADDITIONAL DATA ON PAGES 2 THROUGH _____ ATTACHED

MAJOR ITEMS	ESTIMATED COST	ACTUAL COST	(OVER) UNDER
[redacted]	$ 5 [redacted]	$ 5 [redacted]	
[redacted]	[redacted]	[redacted]	
	$ 5 334	$ 5 [redacted]	$96

[redacted]

ACCOUNTING DEPARTMENT

MON 100 0812

3 x 20

STAUFFER CHEMICAL COMPANY
AND AFFILIATED COMPANIES

APPROPRIATION REQUEST — ADVICE OF COMPLETION

COMPANY Montrose Chemical Corporation of California LOCATION Torrance, California

A. R. NO. 186-17

SUBMITTED BY Max Sobelman DATE November 18, 1957

DESCRIPTION OF PROJECT Air Structure for winter storage of DDT.

DATE STARTED October 14, 1957 ORIGINAL COST ESTIMATE $5,334.16

DATE COMPLETED October 15, 1957

COMMENTS:

The structure, now about 2/3 full of DDT, has withstood a couple of good rain showers without any leakage. It also looks like it will hold about 20% more (or 3 million pounds of DDT) than estimated in the original Appropriation Request.

The structure, in other words, is doing all that it was expected to do and, perhaps, a little more. The length of its life, of course, cannot yet be determined.

Vice President - Production President
President, Montrose
Production Manager West
Treasurer, Montrose
Accounting, Montrose
Plant Manager
Assistant Treasurer, San Francisco
Chief Accountant, San Francisco

BY: Max Sobelman

RECEIVED
NOV 22 1957
T.V. HUNTER

MON 100 0811 3

STAUFFER CHEMICAL COMPANY
AND AFFILIATED COMPANIES
APPROPRIATION REQUEST

3220

COMPANY Montrose Chemical Corporation of California

LOCATION Torrance, California

A. R. NO. 186-17

SUBMITTED BY Max Sobelman

DATE October 11, 1957

AMOUNT $5334.76

CLASSIFICATION:

NEW ADDITION X

REPLACEMENT

MAINTENANCE

OTHER

ACCOUNT NO.

DEPRECIATION RATE

BRIEF DESCRIPTION OF PROJECT Air Structure for Winter Storage of DDT

ESTIMATED ANNUAL SAVINGS:

AFTER TAXES Not a savings project

YEARS REQUIRED TO RECOVER COST:

AFTER TAXES —

% OF RETURN ON INVESTMENT —

% OF RETURN ON SALES —

OTHER REASONS FOR REQUEST This appears to be the cheapest means of storing DDT in excess of present warehouse capacity

BUDGET CLASSIFICATION:

NECESSARY DESIRABLE CONTINGENT BUDGET NO.

IF NOT BUDGETED INDICATE BY AN "X" HERE X

IS THIS A REVISION OF AN A. R. PREVIOUSLY SUBMITTED BUT NOT APPROVED? No

PREVIOUS A. R. NO.

PROPOSED STARTING DATE Immediate

ESTIMATED COMPLETION DATE Oct. 15 - Nov. 1, 1957

ADDITIONAL DATA ON PAGES THROUGH ATTACHED

ROUTE TO	APPROVED	DISAPPROVED	DEFERRED	DATE	DISTRIBUTION
ORIGINAL SIGNED BY A. R. WILCOX				10/11/57	1 Vice Pres.-Prod.-Pres.
A. R. Wilcox					2 President,
Original Signed by P. ROTHBERG				10/14/57	3 Montrose Production
P. Rothberg					4 Mgr. West Treasurer,
M. Spealman					5 Montrose Accounting,
					6 Montrose Plant
					7 Manager Asst. Treas.,
					8 San Fran. Chief Acct.,
					9. San Fran.
					10.
					11.

2

MON 100 0814

Form 100-4 — 375-1-56-[illegible] (1-2)

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W-19116
Class 3

Harbor Dist. # 111 (12)

SFUND RECORDS CTR
0639-92100

DATA SHEET

INDUSTRIAL WASTE CONTROL SECTION

STAUFFER CHEMICAL CO.	FA 8540 (unlisted)
Industry	Phone
20201 S. NORMANDIE AVE., TORR.	Mr C.L. WORKMAN
Address	Person Interviewed
P.O. BOX 147 TORRANCE	MGR.
Mailing Address	Title
Chem. MFG.	2,000 per DAY
Type of Industry	Gallons
EXPERIMENTAL CHEMICAL PROCESSES	Intermittent ~~Continuous~~
Operation	
DILUTE SLIGHTLY ASCETIC	24 ~~min.~~ hours/DAY
Character of Waste	Duration
NONE	ACID (DILUTE)
Date of Sample	Objectionable Constituents
See BELOW	THEIR PLAN. TO BE CONSTRUCTED
Existing Facilities	Recommended Facilities

Added Information or Recommendation: Change of sewer connection. now under permit: W-8509 (10/28/53) Goes to L.A. Co. Sewer in Western Ave. via their privately constructed sewer. Present application & permit W-19116 calls for blanking off their connection to the Western Ave. Sewer and laying 156' + 6" V.C. ("wedgelock") into a new "drop manhole" which in turn goes into a weir manhole under permit to "Montrose Chem. Co. (W-9427-5/15/53) (See DIAGRAM) (OVER)

Submitted by W. E. Engesser DATE Nov 27, 1959
INDUSTRIAL WASTE INSPECTOR

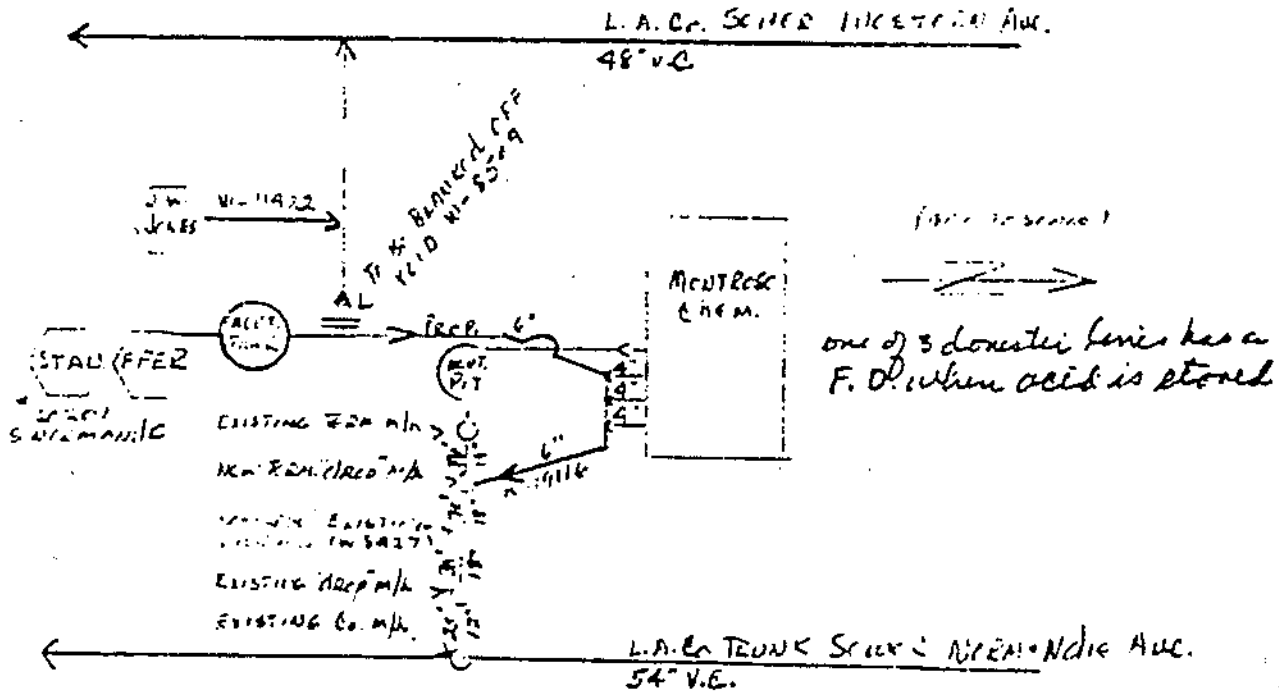
Recommended by _____ DATE _____
SR. IND. WASTE INSPECTOR

Approved by _____ DATE _____
INDUSTRIAL WASTE ENGINEER

Sent in by mail 11/27 data, green & card

which waste goes to the 5" A. Co. Sewer in [illegible] ave. This new 6" connection to the new drain manhole will also pick up 3-4" lines (domestic only) from Montrose Chem. Co. Permit W-8509 issued to Stauffer Chem. Co. on 10/28/53 should be cancelled. ~~superseded~~ Stauffer will also build and maintain a 900 gal. neutralizing tank for batch neutralization of their effluent with caustic soda. This is independent of the neutralizing pit operated by "Montrose Chem.

Their Process: Liquid BHC is introduced into water to form pellets. These pellets and the waste water which comes in contact with them becomes slightly ascitic. Effluent from pellitizing operation amounts to 400 gal. per batch; 4 batches per day. The batch neutralizing tank would therefor accommodate 2 batches per day so 2 batches or 800 gal. would be treated at a time.



to Be constructed by Chet. Kohler, Tan., 6' of 6" V.C. "wedgelock" & one drop m/h (external drop) join

DEPARTMENT OF PUBLIC WORKS
City of Los Angeles

SEWER MAINTENANCE DIVISION
SAND-TRAP INSPECTION RECORD

W - 8509
10-28-53

Street Address 20201 S. Normandie Avenue Research Department Experimental Chemical Processes

Business of Stauffer Chemical Company

Person in charge M.A. Wilde Date	11/10/54	10-26-56						
Person interviewed Inspector	J.H.	F.H.						
Location of trap in building		10/9/56						
No. of Traps		(over) JCE						
Trap dimensions See reverse side. D		12/16/58						
Gals. used per hr. W		JCE						
Capacity in gals. Retention period								
Type of trap (Old) (New) Make of trap								
Is trap provided with elbow pipe								
Mechanical condition of trap								
Depth from top of trap to flow line of outlet								
Depth from flow line of outlet to bottom of trap								
Depth of bottom of elbow below water level								
Depth from bottom of elbow to bottom of trap								
How often is trap cleaned								
No. of cars washed per day								
Copy of Sanitary Ordinance presented								
Notice to discontinue Ordinance violations presented								
Is detrimental matter allowed to enter sewer								
Is detrimental matter collected by private parties								
Condiiton of sewer at 1st manhole down stream								

Void

Trap cord rent
m to be varied - tabb
out new permit W 19116
for connecting to
Normandie Ave
Co Sewer

Using existing facilities.
Standard Weir Manhole No. 1 Plan No. B-3461
Chemical Rider
County San. Dist. Sewer subject to their restrictions and requirements

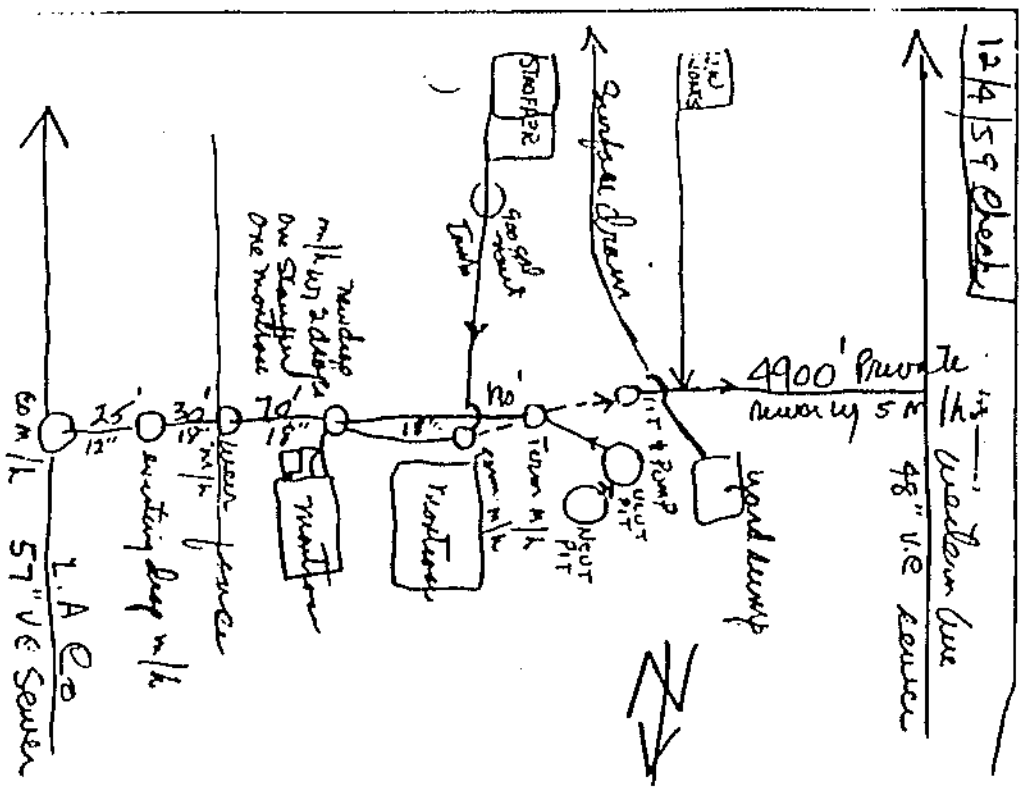
10/28/56 STAUFFER & J. WILEY JONES (A LEASEE) WASTES GO TO WESTERN AVE. SEWER LINE BECAUSE OF LOW ELEV. AT STAUFFER-WASTES FIRST PASS THRU A SUMP & ARE THEN PUMPED IN OUTGOING LINE TO WESTERN AVE. — ALL PILOT PLANT COOLING WATER RE-CIRC. TO COMMON COOLING USED W/ MONTROSE. ASPIRATORS IN LAB SINKS COULD CONTRIBUTE 50gpm. MORE OR LESS AT RATE OF 5gpm EA. BUT ARE SELDOM ALL USED TOGETHER; THIS IS AN 8 hr. (MAX.) OPERATION

Stauffer Chem. Co. 28, 1953

Research Dept. Exp.
Chem. Process.
Watch for Storm Water
(#1 Weir Manhole)
B-3461 Lab. Mgr. Mr. Wilde (Px 2-20-54 X-5)
No weir m/h on Stauffer line - Montrose only
20201 So. Normandie Av.

Workman - Stauffer (Western)
Benzene hexachloride
BHC pellatize 300 gp 4 times/day
not both pellets. Lindane
26% 4 800#/day - Baker Row -
western ave Sewer -

Montrose - DDT - Normandie
John Kalola Maint. supt.
Chlorobenzol
Benzene Alcohol
Sodium sulphate salts 5 Neutral
5 M#/mo
J. Wiley Jones - Eber
Chlorine & Chloroform
emphysema ammonia
Phyto Household Clorox
Chlorine -


12/4/59 Check
Sunset Drain
Stauffer
Tank
Montrose
4900' Private
Neutral Pit
Neutral Pit
Pump
Yard Hydrant
48" V.C. Sewer
Western line
57" V.C. Sewer
L.A. Co.
Existing Dry m/h
Wire fence
Stauffer
Montrose
Tank
Tank m/h
Com m/h
Dry m/h
Dry m/h
Dry

PROGRESS REPORT
INDUSTRIAL WASTE CONTROL

8/26/64

Name of Company	Address	Permit Number	Plant Number
Montrose Chemical Corp.	20201 So. Normandie Av.	W-8427	

Type of Industry	Person Contacted	Title	Phone Number
Chemical	Mr. Sebelman	Chief Engr.	FA-85462

District	Inspector	Gallons of Waste Discharged per 24-Hour Day
5	M.E. Chambers	156,000 & 233,000 gpd hd. w/ Max Flow of 200 gpm

Principal Trouble	Secondary Trouble	Other Trouble
PH	Odor	Explosive-gas

Inspectors Recommendation to Correct Situation:

INSPECTION RECORD

In recording your entries on the lines below the following sequence must be followed: 1) Date, 2) Name of person spoken to and their title, 3) A brief and complete description of progress, or lack thereof, together with a reason, 4) State if any waste sample was taken, 5) State your recommendation for further action possible by Management in order to comply with the Municipal Code, 6) Write or print so anyone can read it!

Aug. 26, 1964 Odor Complaint investigated by Chambers & Jones. Inspectors found the source of the Mononchlorobenzene, the odor of which had been reported in the county sewer line. Along with the above odor complaint Chambers & Jones investigated an explosive gas complaint. This investigation was inconclusive. As far as its results were concerned, it was found to be methane in County sewer. Montrose Chemical Corp. installed a 10" vent in the 1st Manhole downstream from the Neutralizing Tanks to alleviate the odor condition in the County Sanitation Dist. sewer. See attached sketch *

Dec. 23, 1964 Low PH condition reported by County Sanitation Dist. This complaint was investigated by Chambers. After Chambers had discussed this problem w/ Mr. Sebelman, Mr. Sebelman decided to try for better house keeping and for added insurance to batch dump. To batch dump it was necessary to install a 12" 1st Lin plug type valve and remove a 12" gate valve. See attached sketch.

June 17, 1965 - PH complaint investigated by Chambers. Due Plug-Type valve not being closed tightly enough during breakdown of sulfuric acid kettle. This condition was corrected as indicated by PH chart for that day. Sebelman stated that he will have caustic feed directly tied down in a 6" sewer downstream of Neutralizing Tanks.

Note: PH charts attached for both PH complaints.

Milton E. Chambers
Industrial Waste Inspector

* See attached Lab. Report 5/7/62 Hyperion.

Also attached is a sketch of waste treatment facilities and methods.

W-8427

LABORATORY ANALYSIS REPORTS

Name of Company: Monsanto Chemical Corp.

Plant Number:

Date	pH	Suspended Solids, ppm Total	Volatile	Fixed	Settleable Solids, %	Grease, ppm Total	Sapon.	Unsap	+6 Cr	-1 CN	
8-26-64	8.0	164	164	None	None	–	–	–	–	–	

SPECIAL ANALYSIS

	Flash Point	Color	
8-26-64	none	Aromatic	Taken @ standard Man hole in sidewalk (See Sketch)

SFUND RECORDS CTR
0639-93838

(14)

Stauffer CHEMICALS

STAUFFER CHEMICAL COMPANY AND AFFILIATED COMPANIES

APPROPRIATION REQUEST

DATE: 10-13-64

LOCATION NAME: Montrose Chemical Torrance, Calif.

MONTH	YEAR	AMT. OF ORIG. REQ.	SUPPLEMENTAL REQ.	TOTAL AMOUNT
		$20,000.00		$20,000.00

DATE APPROVED	EST. COMPLETION DATE	REVISED COMPLETION DATE	LOCATION NO.	APP. REQ. NO.	EST. YEARLY SAVINGS OR EARNINGS
/	12/15 64	/	186	186-59	$5,090.00

COMPANY: Montrose Chemical Corp. of Calif.

SUBMITTED BY: B. I. Bratter

CLASSIFICATION: [X] NEW ADDITION [ ] REPLACEMENT [ ] MAINT.

OTHER

AMOUNT NO. (CONSTRUCTION IN PROGRESS) | DEPRECIATION RATE | DEPARTMENT NAME | DEPT. NO.

CHIEF DESCRIPTION OF PROJECT

Install 100,000 gallon sulfuric acid storage tank.

RECEIVED
NOV 3 1964
MONTROSE L.A.

OTHER REASONS FOR CONSIDERATION

YEARS REQUIRED TO COVER COST AFTER TAXES	% RETURN ON INVESTMENT	% RETURN ON SALES	REVISION OF PREV. UNAPPROVED A.R.	PREV. A.R. NO.	PROPOSED STARTING DATE
2.2	25.5		[ ] YES [X] NO		10-19-64

ROUTE TO	ACTION: APPROVED	DISAPPROVED	DEFENDED	DATE	SIGNATURE
Max Sobelman				10-13-64	ORIGINAL SIGNED BY M. SOBELMAN
A. R. Wilcox				10-13-64	ORIGINAL SIGNED BY A. R. WILCOX
B. L. Rothberg				10-26-64	Original Signed by B. ROTHBERG
J. F. Luther	✓			11-2-64	Original Signed By J. F. LUTHER

DISTRIBUTION			
1 Plant Manager	2 President Montrose	3 Treasurer Montrose	4 Accounting Montrose
5 Production Mgr. West (2)	6 Vice Pres. Prod. ICD	7 Secy. & Asst. Controller	8 Chief Acct. West
9	10	11	12

FORM 8-754-004

MON 101 1186

Appropriation Request No. 1[illegible]

1. Description of Project

Purchase and install a new 100,000 gallon Recovered Acid Storage Tank complete with foundations, pumps, and piping.

2. Inadequacy of Present Facilities

At present there is storage capacity for 100,000 gallons of acid which can accomodate the output of the Acid Recovery Plant for 10 to 12 days assuming none is shipped. Normally this is adequate because shilments to Dominguez Fertilizer or Stauffer, Vernon keep these tanks at a low level. However, during low or no production periods at these plants other arrangements must be made to dispose of this acid. This has been handled by burning a limited amount of the acid at Dominguez and storing the balance at Stauffer's Vernon or Dominguez plants. This is costly because of the double handling and we don't receive payment for any acid burned. For this reason it would be more economical and convenient to have our own facilities for storing the acid.

3. Additional Use of General Plant Facilities

None except area to be occupied by this tank.

4. Alternatives to This Appropriation Request.

If this appropriation request is rejected, there are two alternatives. One is to shut down the entire plant (including Henderson) whenever the acid storage is full. The other alternative is to make arrangements to haul the acid to the ocean or desert. This would cost about $10 a ton to dispose of our excess acid if arrangements could be made.

5. Estimated Cost of Proposed Work

1.	Purchase and install 100,000 gallon steel tank	$14,400
2.	Foundation	2,000
3.	Piping, valves, and instrumentation	1,800
		$18,200
	Contingencies 10%	1,800
	Total	$20,000

MON 101 1 1 1 8 7

6. Estimated Annual Savings

The savings in this project will [illegible] two main sources. Now when our storage is full, we [illegible] recovered acid to Stauffer to burn in their acid plants. We do not receive any payment for this acid. With additional storage, this acid could be saved for Dominguez Fertilizer and sold at $6 per ton.

As this tank holds 500 tons and we could sell the acid in this tank at least 5 times per year, the annual savings will be:

500 x 6 x 5 = $15,000 per year

The other source of savings is not to have to shut down the plant whenever the present acid storage tanks are too full. This savings is much larger than the one listed above, but the writer, not having any good data to base an accurate estimate on, did not include this savings in the cost estimate.

Savings per year	$15,000
Less depreciation 5-year write-off	4,000

F.A.

Profit before taxes:

$11,000

Profit after taxes 11,000 x .4425=

$ 5,090

Years to recover investment:

$$\frac{20,000}{4,000 + 5,090} = 2.2 \text{ years}$$

Return on investment:

$$\frac{5,090}{20,000} \times 100 = 25.5\%$$

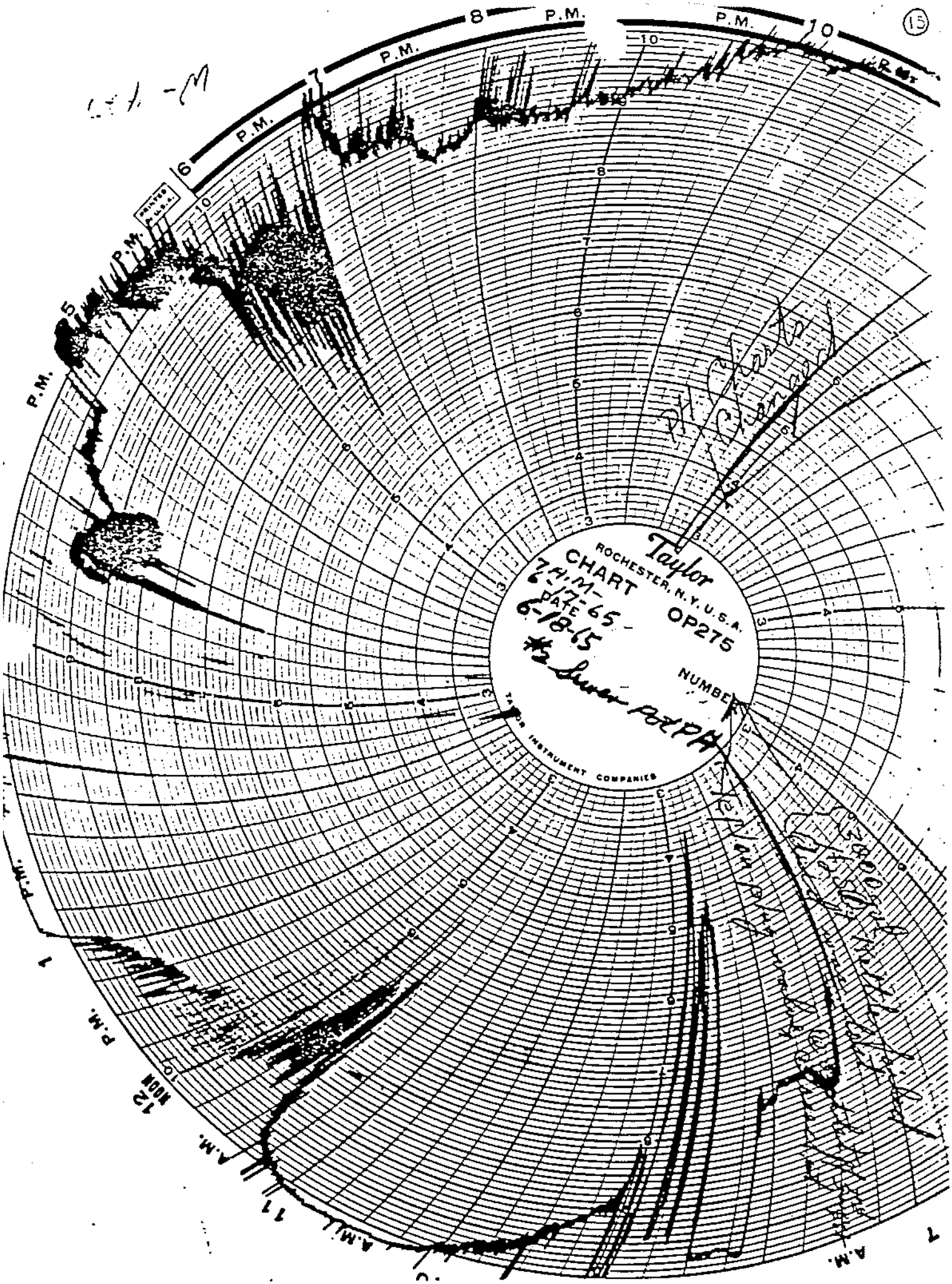
7. Advantages Other Than Savings

The additional acid storage will give us more settling time for recovered acid and allow more tars to float out. This will produce a cleaner and more saleable product.

B. I. Bratter

BIB:cm

MON 101 88



Taylor
ROCHESTER, N.Y. U.S.A.
CHART
OP275
DATE
NUMBER
TAYLOR INSTRUMENT COMPANIES
P.M.
A.M.
12 NOON

(16)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

AFFILIATE OF STAUFFER CHEMICAL COMPANY

POST OFFICE BOX 147

TORRANCE, CALIFORNIA

December 22, 1965

Mr. Miller E. Chambers
Bureau of Sanitation
638 Beacon Street, Room32
San Pedro, California

Dear Mr. Chambers:

When you were at our plant yesterday, you requested our pH meter chart for the last time our sewer was acid. This was checked by a County Sanitation inspector at approximately 10 a.m. on December 17, 1965.

Enclosed is our pH meter chart. Our charts are dated for the date the chart is removed. The time on this chart was 3 hours off, which I changed.

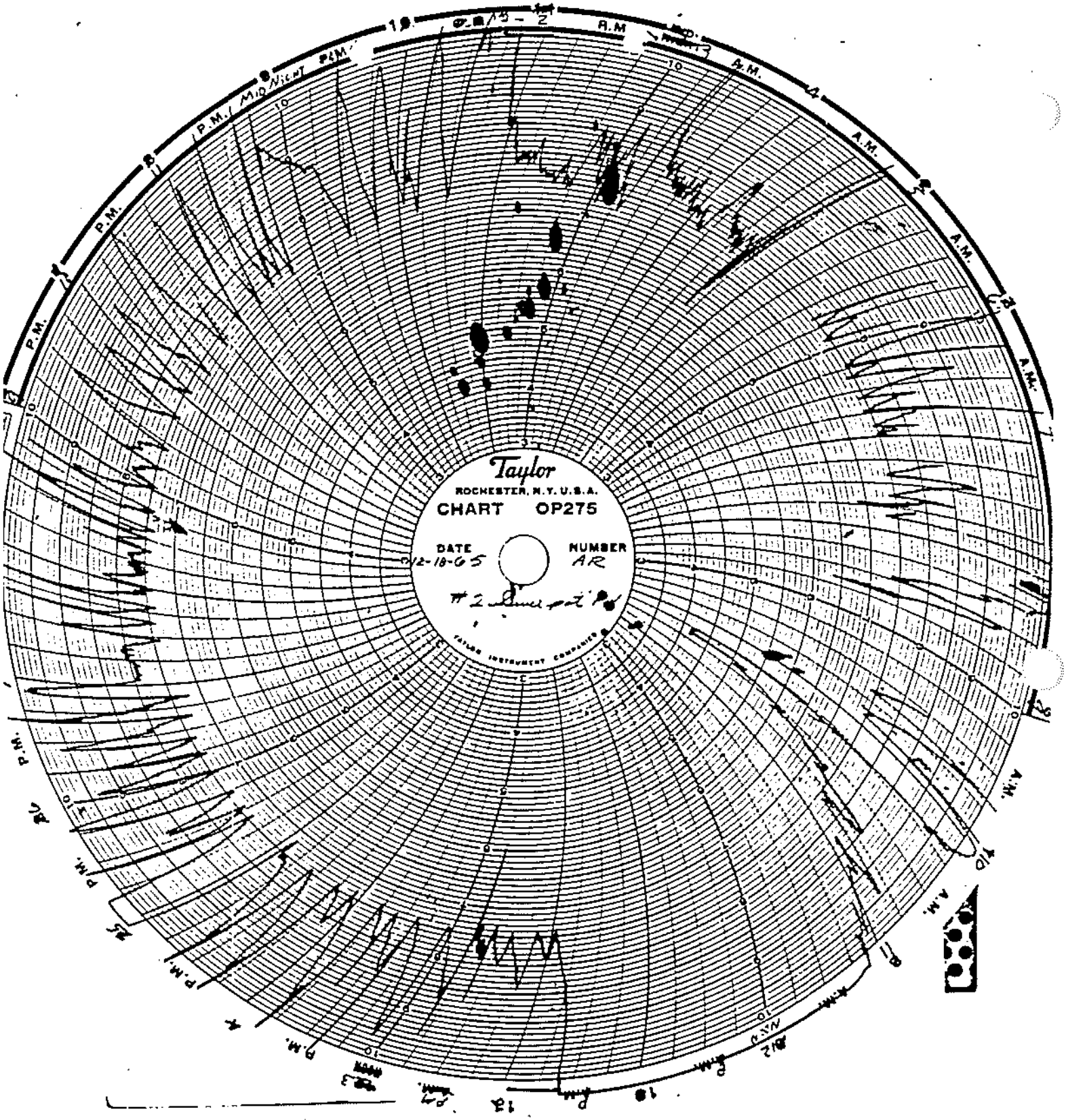
If you have any questions on this, please call me.

Very truly yours,

Bernard I. Bratter

Bernard I. Bratter
DDT Plant Superintendent

BIB:ia
encl.


Taylor
ROCHESTER, N.Y. U.S.A.
CHART OP275
DATE
12-18-65
NUMBER
AR
TAYLOR INSTRUMENT COMPANIES
MIDNIGHT
P.M.
A.M.

Form 17A

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

SFUND RECORDS CTR
0639-93408

(17)

OFFICE MEMORANDUM

TO Mr. Sterling C. Buesch, Sanitary Engineer DATE January 7, 1966

Attn: Mr. C.A. Sheridan, Principal Industrial Waste Inspector

Mr. H.A. Levi, Sr. Industrial Waste Inspector

Re: Low pH at Montrose Chemical Corporation, 20201 S. Normandie Ave.

During a routine inspection of this plant on 12/21/65, two Teflon plugs were found to be leaking. These plugs were put into the Junction Box of the area drains on 8/25/65 to prevent the discharge of acid into the railway ditch westerly of Normandie Ave., and southerly of the above installation.

On 8/20/65 acid was discharged into the railway ditch due to an overflow of the primary neutralization pit. The acid was discharged via a 12-inch area drain, through the Junction Box into the railway ditch for a distance of approximately 500 feet. All of this acid was neutralized on 8/25/65 by liming the ditch for the entire 500 feet.

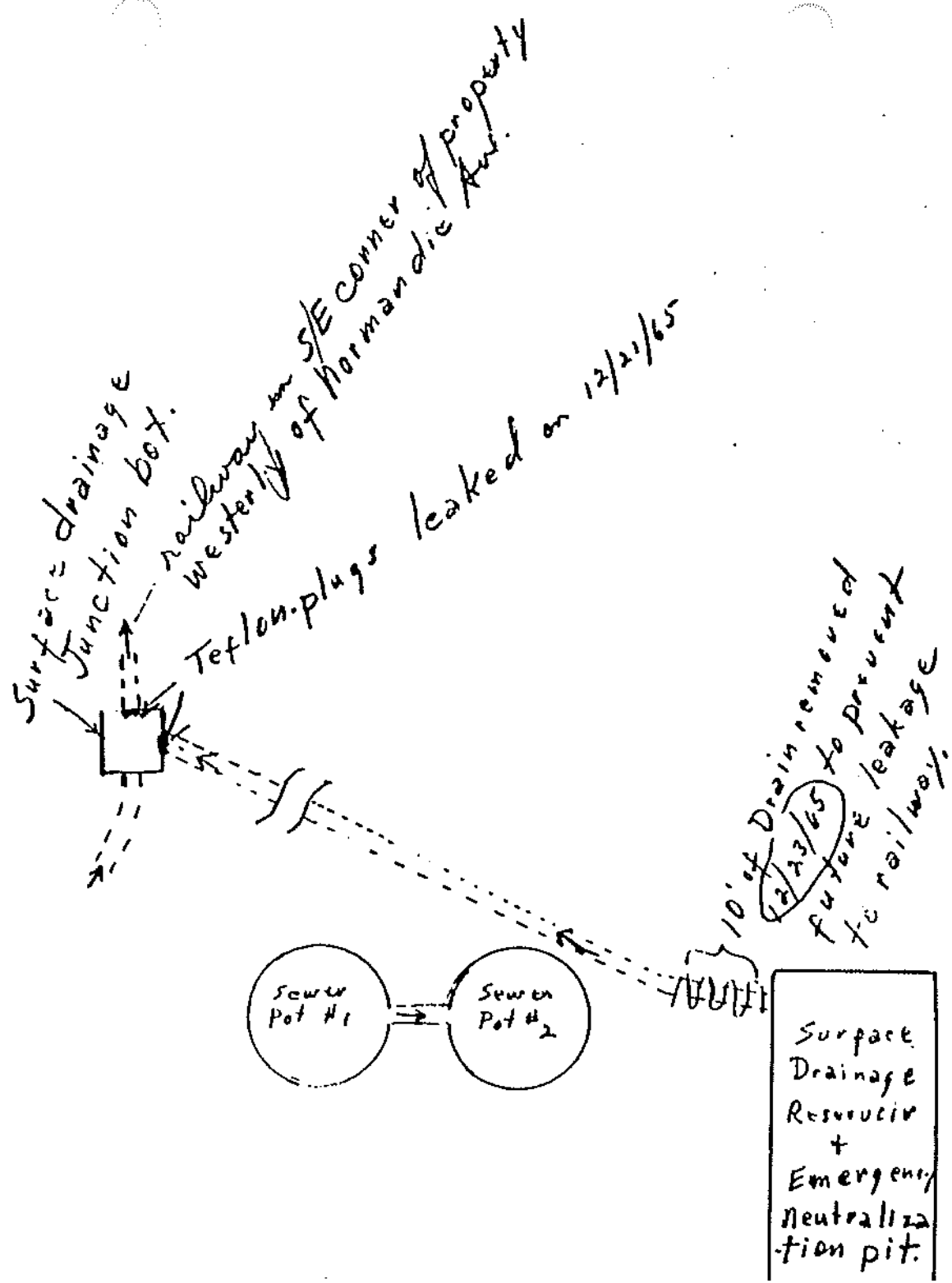
The acid that leaked around the Teflon plugs on 12/21/65 was neutralized by residual lime from the 8/25/65 treatment. To prevent any recurrence of a leakage, 10 feet of the area drain immediately adjacent to the primary neutralization pit was removed. This area was filled solidly with concrete.

Also during this inspection, Mr. Bernard I. Bratter, plant superintendent, advised this inspector that there was a low pH in the plant effluent to the sewer on 12/17/65. The Sewer Inspection Crew from the Los Angeles County Sanitation District observed the low pH. This inspector requested a copy of the pH chart for the date in question. The chart and a letter from Mr. Bratter are attached.

Attachments

Miller E. Chambers

Miller E. Chambers, Industrial Waste Inspector


Surface drainage junction box.
railway on S/E corner of property westerly of Normandie Ave.
Teflon plugs leaked on 12/21/65
10' of Drain removed 12/23/65 to prevent future leakage to railway.
Sewer Pot #1
Sewer Pot #2
Surface Drainage Reservoir + Emergency neutralization pit.

Form 17A

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

SFUND RECORDS CTR
0639-93411

OFFICE MEMORANDUM

TO C.Sheridan,Prin. Ind.Waste Insp. DATE June 17, 1968

Re: Complaint from County Sanitation of low pH at Montrose Chemical Corp. located at, 20201 S. Normandie Ave. Ind.Waste permit W-8427 (5/53) Class #3.

Background Information:

I-Memo from C.Sheridan dated 6/11/68 as follows: "County Sanitation says Montrose Chemical pH runs from 2 to 9 off and on and is creating a problem for them."

II- Per Mr. Farrel, Co. Ind. Waste, in phone conversation 6/13/68 "Montrose Chemical low pH has been a problem off and on for 10 years"
Current Co. Ind.Waste pH sample results at Montrose as follows:

5/21/68	pH	11.0	See	attached	charts	dated	5/22	
5/31/68	pH	2.0	"	"	"	"	6/1	(*)
6/6/68	pH	5.0	"	"	"	"	6/7	

(*) Re-checked 10 minutes later and pH was 11.0
L.A. Co. Ind.Waste samples here once per week during daylight hours. If a low pH is encountered which does not meet the code the county personel advise Montrose management on the spot. NOTE: Montrose pH charts (see attached) are dated for the day of REMOVAL

III- Mr.Farrel was concerned about the following:
A-If Montrose disposed of low pH waste it could contribute to liberating sulfides in County trunk sewer downstream of Montrose.
B-If County Ind.Waste personel found low pH readings off and on on day shift, what certainty was there that pH control was exercised during the other two shifts.
C-Whether pH electrodes were cleaned regularly?
D-Why Montrose could not batch neutralize all their wastes with a pH under 6.0 ?

Findings:

I-In answer to the question of what control is exercised on all shifts the following information is submitted:
A-A pH probe is maintained in Neutralizing Pit #1. Probe is furnished with a sample of neutralized waste water,prior to discharge, from a small re-circulating pump
B-pH charts and instruments are contained in building adjacent to neutralizing pit.
C-Instrument man standardizes pH instrument daily on day shift and is "on call" 24 hours per day for emergencies.
D-pH instrumentation operates the follwoing safety precautions:
(1)1" solenoid valve on 10% NaOH line opens at pH under 3.5 (*)
(2)1/4" " " " " " " " pH " 5.0 (*)
(3)1/2" motor valve " plant waste caustic open " " 7.0
(4)warning bell rings at pH under 6.0
(*) Supplied from 6,000 gal NaOH

II-In answer to the question on whether firm could better meet pH code requirements by batch neutralizing. (Answer) While the great bulk of waste is treated and monitored on a Continuous flow basis (appx. 400 gpm or 600,000 gpd) there is also some batch neutralizing done at present. Examples next page

Form 17A

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

OFFICE MEMORANDUM

TO C. Sheridan, Prin. Ind.Waste Insp. DATE June 17, 1968

Re: Montrose Chemical. Co. San. Complaint Low pH (page 2)

II-
A-In the event of pump leak or line rupture area is diked off and neutralized on the spot.
B-Acid holding tanks are neutralized on the spot if it becomes necessary to wash them.
C-Accidental spills in most cases can be isolated from main plant stream and pumped or routed to Neutralizing Pit #2, which is a duplicate of #1 in size (25,000 gal) This pit has no connection to the sewer (as does #1) Acidic wastes can be kept here until pH is brought up to 7.0 and then pumped to #1 gradually. Should #1 pit receive a slug of acid that the continuous treatment equipment couldn't handle then this low pH waste could be reverse pumped from #1 to #2 for a longer neutralizing period and later returned to #1 for final discharge to sewer. Additional precaution for pH control consists of having the Acid Recovery Operator on each shift take an hourly pH reading (with pH tape) from Neutralizing pit #1 sewer outlet. Large amounts of NaOH for neutralizing can be supplied manually if needed and both neutralizing pits are equipped with motor driven agitators that draw acidic waste to bottom of pit for thorough mixing.

III- L.A. Co. Treatment Plant.
Contact was made with Mr. Nagel of Co. Treatment plant. His comments:
A- He knew of no particular problem posed on treatment plant by Montrose Chemical Corp.
(1) this was primarily in view of the ratio of Montrose volume compared with total treatment plant influent (i.e.) 600,000 gpd to 380,000,000 gpd
(2)Mr. Nagel stated that if Montrose presented any problem it would probably be with Co. sewer maintenance.

IV- Samples were taken by J.Engesser and R. Dalton on 6/13 and again on 6/14 by R.Dalton. Samples were taken from drop m/h upstream of 57" Co. trunk sewer m/h. Both m/h's located on Montrose Chem. property. Samples were delivered to the Bur. of Standards, marked "Rush" on 6/14/68. On the spot pH readings indicated a pH of appx. 6.0 on 6/13 and 8.0 on 6/14. (L/.A. Co. ph range is 6.0-14.0) pH charts for the following dates are attached: 5/22,6/1,6/3,6/4,6/6,6/7,6/10, through 6/13. Bearing in mind for comparison that the charts are dated for the end of the 24 hour period on which they are removed. Mr.Bratter (Prod. Supt.) was asked to have his operators to keep pH charts for a minimum of one month and to write "on" & "off" to start & stop points on chart. Also asked for a new schematic drawing on treatment facilities and new estimates of flow from various processes to upgrade our file information.

J. Engesser
J.Engesser
Sr.Ind.Waste Insp.
Harbor

SFUND RECORDS CTR
0639-93417

(19)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

800 SOUTH VIRGIL AVENUE
LOS ANGELES, CALIFORNIA 90005

August 12, 1970

FILE

PLEASE REPLY TO
P.O. BOX 147
TORRANCE, CA. 90507

John D. Parkhurst
Chief Engineer and General Manager
Sanitation Districts of Los Angeles County
2020 Beverly Boulevard
Los Angeles, California 90057

Dear Mr. Parkhurst:

This is in answer to your letter of July 17, 1970 in which you asked for information concerning our progress in treating our industrial waste discharge into the County Sanitation Districts sewage system.

This company in cooperation with the Aerojet-General Corporation has just developed a grant proposal for the Federal Water Quality Administration in which it is expected that the waste effluent flowing into the sewage system will be greatly reduced in volume and in DDT content. This plant could not be responsible for pesticide contamination other than DDT, as no other pesticides are manufactured or handled.

During the past few weeks considerable engineering effort has been made to develop some tentative time schedules for the improvements planned. We anticipate that within six months the plant will be converted to about a 90% water recycle system, with the most heavily contaminated streams eliminated from the waste discharge. In addition to the reduced volume this should result in about a ten-fold decrease in the DDT concentration.

Feb 71

During this same period of time the Aerojet-General Corporation research people will be studying the adaptation of their recently announced DDT degradation system to plant

Feb 71

HARBOR DISTRICT

waste effluents. These scientists have expressed the belief that by the end of the six months or shortly thereafter they will have this problem solved. FeB 71

Aerojet-General Corporation and Montrose would then jointly construct a demonstration plant for the complete removal of DDT from the waste effluent which could not be put on recycle at the Montrose plant. It is the opinion of the several scientists and engineers involved that this stage of the development would require about 6 months to build and bring into proper operation. AUG 71

I look forward to being able to report successful progress on this project to you from time to time.

Yours very truly,

A. R. Wilcox
Vice-President,
Operations

ARW:cg

cc: Robert D. Bargman

HARBOR DISTRICT

SFUND RECORDS CTR
0639-93418

(20)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
500 SOUTH VIRGIL AVENUE
LOS ANGELES, CALIFORNIA 90005

September 18, 1970

PLEASE REPLY TO
P.O. BOX 147
TORRANCE, CA. 90507

Mr. John D. Parkhurst
Chief Engineer and General Manager
Sanitation Districts of Los Angeles County
2020 Beverly Boulevard
Los Angeles, California 90097

Dear Mr. Parkhurst:

At your request I am advising you of the progress made by our company in reducing the amount of DDT in our plant effluent.

We are blocking off all drain troughs that discharge to the sewer and have completed this work on approximately 1/2 of them. Work on the balance is being expedited. In the event of an accidental spill of DDT-containing materials into these troughs it is pumped into a storage tank for reprocessing.

We are continuing to divert scrubber water streams to achieve complete reuse by recycling through our water cooling tower. Total water now discharged into the sewer is estimated to have been reduced by one-fourth.

Engineering design work on a storage pond to permit virtually total recycle of the water now being discharged to the sewer is underway, and preliminary bids have been asked for.

The joint proposal submitted to FWQA by Montrose Chemical Corporation and Aerojet General Corporation, for construction of a demonstration plant to remove essentially all the DDT from our water effluent, has been approved by the Technical Division at Athens, Ga. and has been forwarded to Washington for further action.

We will continue to keep you informed of the progress being made.

Yours very truly,

A. R. Wilcox
Vice-President, Operations

ARW:cg

cc: Robert D. Bargman
S.C. Buesch

bcc: Joe Engesser
Sam Rotrosen

SFUND RECORDS CTR
0639-93391

(21)

I. ER-OFFICE CORRESPONDEN
TORRANCE, CALIFORNIA

Date May 7, 1970

To A.R. Wilcox

Subject Correction to A.R. 186-143

. Rotrosen
.R. Bowland
. Egle
. Yukihiro
.M. Overbeck

Please find enclosed a re-written "Supplemental Information for A.R. 186-153". The original supplement contains erronious information which although not affecting the intent or justification of the A.R., should be corrected.

It is requested that your copy (or copies) of the original supplement be returned to me in the enclosed self-addressed envelope.

A. R. Wilcox

ARW:la

MON 102 00001

COPY

Supplimental Information for A.R. 130-142

1. Background Information

At the present time our total effluent which is discharged into the Los Angeles County sewer system is approximately three hundred and fifty thousand gallons per day. The Los Angeles County Sewer Department is now checking the sewage at various points along the main sewer line and finds as much as 50 parts per billion of DDT. At this time the County is trying to ascertain the sources of contamination.

2. Purpose and Justification of Proposed Work

The proposed project will eliminate the discharge of the DDT concentration streams into the sewer. The elimination of the remainder of the DDT in the other streams will be discussed in another appropriation request.

At the present time there is no water standard on the amount of DDT that can be discharged into the sewer, but in view of the adverse publicity concerning DDT contamination, it is imperative that no DDT enters the sewer from the Montrose plant. This should be accomplished before any government agency starts an investigation of the DDT in our plant effluent.

In this project the caustic and tar pot liquors will be transported from the plant and dumped. At the present time there are three places available for disposal. One is a permitted area in the ocean which is approximately sixty miles from shore, one is a class I land-fill that permits a certain amount of liquid dumping, and one is an abandoned quarry.

3. Detailed Description of Proposed Work

The principal work involved in this project includes:

a. The installation of two-thousand gallon DDT trap tank to replace the existing No.1 trap tank. The existing tank will be used as a surge tank for No.2 trap tank material which is the wash water from No.3 washer. This water will be used to dilute caustic from fifty to twenty percent.

b. The purchase and installation of a 50,000-gallon tank for storing the caustic and tar pot liquors.

c. The installation of pumps and piping to transfer liquors to the storage tank.

d. The installation of a loading rack at the 50,000-gallon storage tank.

MON 102 00000

POOR QUALITY ORIGINAL

4. Estimated Cost of the Project

50,000 gal-storage tank with heating coil	$ 8,000
Agitator and drive for 50,000-gal tank	2,100
Foundation for 50,000-gal storage tank	2,000
Auxiliary trap tank with coil	2,000
Pump and motors	2,400
Electrical material and labor	4,000
Pipe, fittings, and valves	3,000
Labor	5,000
Contingency	5,000
Total	$33,500

5. Long Range Investment

The cost of dumping will be approximately three hundred dollars per day. At some future time it may be advisable to dry liquor to a residue and burn the residue to a water soluble ash which does not contain any organic material. This material could be dissolved in water and dumped into the sewer. This method involves a lot of expensive equipment and will not be installed until the future of DDT has been determined. All the equipment that is to be installed in the present proposal can be utilized in the later proposal.

6. Start-Up Expense

It is not anticipated that there will be any start-up expense because of this appropriation request.

7. Additional Use of Existing Plant Facilities

The only use of plant facilities will be an increase electrical load of sixty horsepower and a small amount of steam for keeping the liquor hot. The present facilities are adequate.

8. Alternative to this Appropriation Request

None

9. Risk Consideration

None

10. Safety

The only safety equipment needed will be guards on pumps and agitator drives. The undersigned will be responsible for safety considerations in this project.

MON 102 02 29 77

POOR QUALITY ORIGINAL

11. Private and Public Nuisance Consideration

To eliminate any possibility of excessive discharge of DDT into sewers.

12. Insurance

There should be no change in insurance rates.

13. Other Considerations

It should be the goal of this company to eliminate all sources of pollution. This proposal is a step toward this goal.

14. Economic Basis and Calculations

This is not a savings project. The cost per day for hauling the waste to a dump will be approximately $300.00 at a 200,000 pound a day DDT production rate. In addition to this the depreciation on the equipment, assuming a five year life, will amount to approximately $18.00 per day for a total cost of $318.00. The extra cost per pound of DDT produced will be 0.16 cents.

15. Engineering Drawings and Sketches

A proposed flow sheet is included in this request.

16. Estimated Distribution of Appropriated Funds

These funds will be charged 100% to plant equipment.

Guy A. Dimichele

GAD:la

L

MON 102 [illegible]

POOR QUALITY ORIGINAL

SFUND RECORDS CTR
0639-93391

22

Stauffer

STAUFFER CHEMICAL COMPANY

R. Yukihiro

APPROPRIATION REQUEST NO. 186-143

DIVISION OR COMPANY	LOCATION	DATE SUBMITTED	AMOUNT OF THIS REQUEST
ontrose Chemical Corp. of Calif.	Torrance, Calif	4/14/70	$33,500.00
NAME OF PROJECT	DEPRECIATION RATE	PROPOSED STARTING DATE	PREVIOUS AMOUNT REQUESTED
limination of DDT in Sewer Effluent		5/1/70	
CLASSIFICATION	REPORT OF CHANGES REQUIRED	EST. COMPLETION DATE	REVISED A/R AMOUNT
CAPITAL ☒ EXPENSE ☐	YES ☐ NO ☐	8/1/70	

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT	RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
APPROPRIATED FUNDS – (AMOUNT OF THIS REQUEST)			NET SALES		
			NET EARNINGS		
			CASH FLOW		
WORKING CAPITAL			R.O.I.		%
TOTAL INVESTMENT			PAYOUT PERIOD		YRS.
			PRESENT VALUE RETURN		

EFFECT OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
10% DECREASE IN VOLUME			
10% DECREASE IN SALES PRICE			
OTHER (DESCRIBE):			

AVERAGE NET SALES AT BREAK-EVEN POINT $ _____

RESPONSIBILITY ASSIGNMENTS:

PROJECT MANAGER	G. Dimichele	ENGINEERING – CAPITAL COST EST.	G. Dimichele
PROCESS RESPONSIBILITY	G. Dimichele	CONSTRUCTION BY	Montrose Chem
SALES VOLUME AND PRICING		PROJECT COST CONTROLS–REPORTING	G. Dimichele
PRODUCTION COST FORECAST		SAFETY	G. Dimichele
		POLLUTION CONTROL	G. Dimichele

DESCRIPTION OF PROJECT

The purchase and installation of equipment to eliminate the discharge of caustic and tar pot liquors into the county sewer. In this proposal these contaminated streams will be hauled to a disposal area.

Distribution:

1. A. R. Wilcox
2. S. Rotrosen
3. W. Egle
4. R. Yukihiro
5. G. R. Bowland (2)
6. K. M. Overbeck

APPROVED BY – DATE

ORIGINAL SIGNED BY A. R. WILCOX A. R. Wilcox 4/16/70	DIVISION MANAGER/CORPORATE V.P.	EXECUTIVE V.P.
ORIGINAL SIGNED BY M. SOBELMAN M. Sobelman 4/27/70	DIRECTOR OF TRANSPORTATION	PRESIDENT
ORIGINAL SIGNED BY S. ROTROSEN S. Rotrosen 4/23/70	V.P. ENGINEERING ☐ APPROVED ☐ REVIEWED ☐ NOTED	EXECUTIVE COMMITTEE
DIRECTOR OF RESEARCH ORIGINAL SIGNED BY G. R. BOWLAND G. R. Bowland 4/28/70	CONTROLLER	BOARD OF DIRECTORS

FORM 0820-000-00

October 22, 1970 (23)

SFUND RECORDS CTR
0639-93425

MEMO TO: John D. Parkhurst
Chief Engineer and
General Manager

FROM: Charles W. Carry
Division Head
Research & Development Division

SUBJECT: Pesticides

Joint Water Pollution Control Plant

Samples are taken at the effluent from the grit chambers and at the manifold structure to represent influent and effluent pesticide concentrations, respectively.

Effluent samples have also been taken from the sedimentation tank effluent but these numbers should be disregarded since they do not include the pesticide contributed by the centrate. Data are shown in Figure 1. The manifold concentrations have averaged about 75 parts per billion (PPB) during the early part of October. This concentration results in a discharge of approximately 250 lbs/day to the ocean. These figures are for the DDT series only. If the arochlor concentrations were added, it would represent an increase in total pesticides of about 50 PPB, or 170 lbs/day additional.

Influent concentrations from all sewers tributary to the Joint Water Pollution Control Plant are indicated in Figure 2 as determined at the outlet of each set of grit chambers. Grit chambers 1 and 2 would represent mostly J.O. "A" and J.O. "C" while grit chambers 3 and 4 represent J.O. "B" and the District 5 system. Concentrations in the latter two systems usually run about 4 times higher than that in the J.O. "A" and J.O. "C" systems. Analyses in the lines themselves show that District 5 is contributing about 60 lbs/day, J.O. "B" about 170 lbs/day, and J.O. "A" and J.O. "C" combined about 30 lbs/day.

Montrose Chemical

The contribution from Montrose Chemical is listed in Table I. During two recent 24 hour surveys, it was often found that the concentrations above Montrose were higher than those below Montrose. At the present time, it appears that Montrose is contributing less than one pound per day to the Sanitation Districts' system, or less than 0.5% of that reaching JWPCP.

11-25-70 Copy to March

[redacted]

Earlier this year Montrose discharged substantially higher quantities into the system. In-plant modifications lowered both the concentrations of the discharge and the quantity of water discharged to the sewer. At the same time, Montrose began hauling pesticide wastes to the Palos Verdes Landfill by tank trucks.

Overall System

Attempts are underway to determine at which points pesticides are entering the system. Based on one analysis at each of about 50 sampling stations conducted several months ago, it appears that the majority of the pesticides are entering the system in the south end (South of Artesia).

Four samples per day can be processed in the laboratory at the present time. This requires the use of three chemists on a full time basis. Plans are underway for expansion of the pesticide program including doubling the analytical capabilities. I would estimate that at least 3 or 4 months will be required to pinpoint the sources of the pesticides entering the system (when analytical capability has been doubled.

CWC:sb

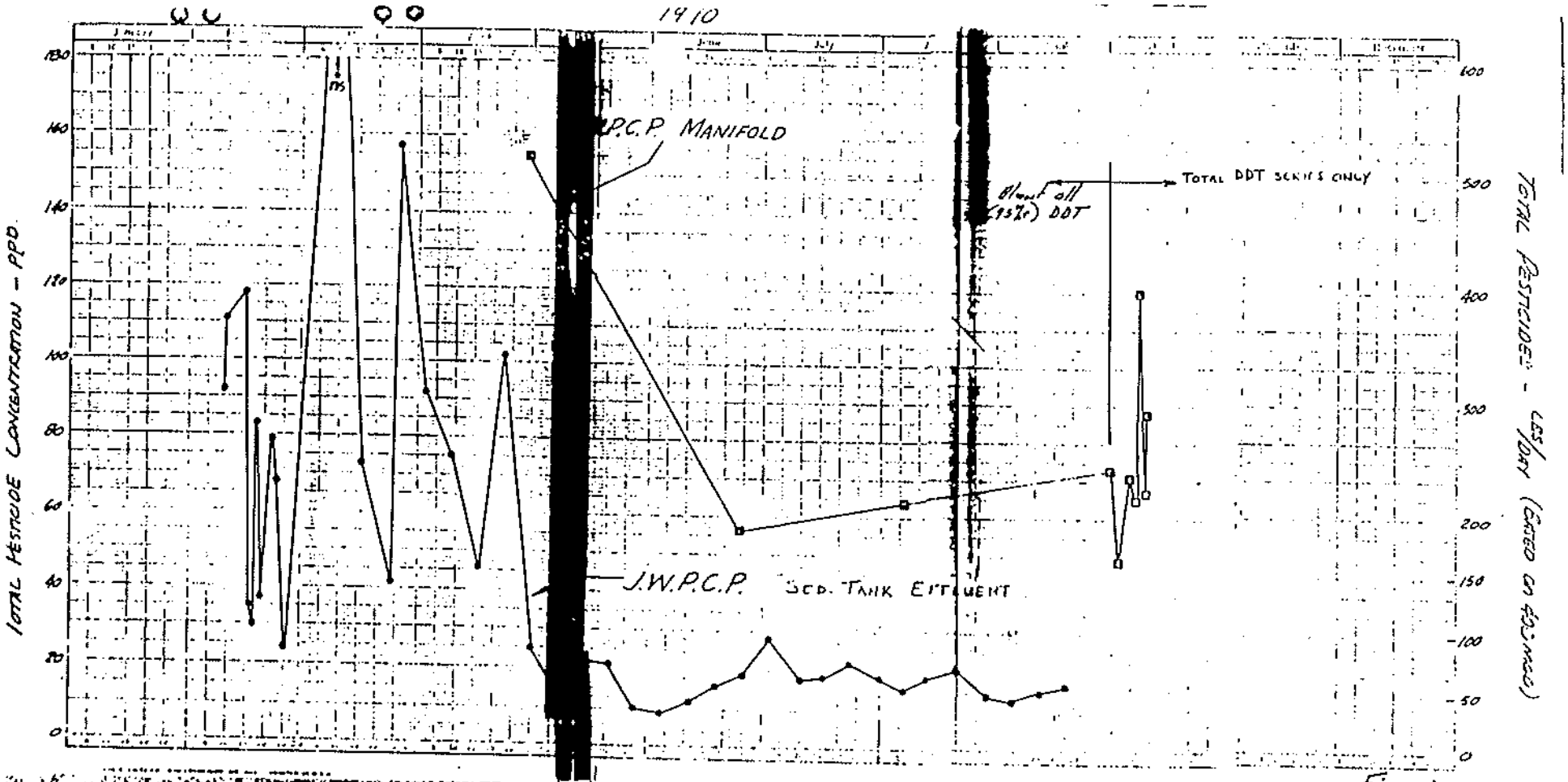
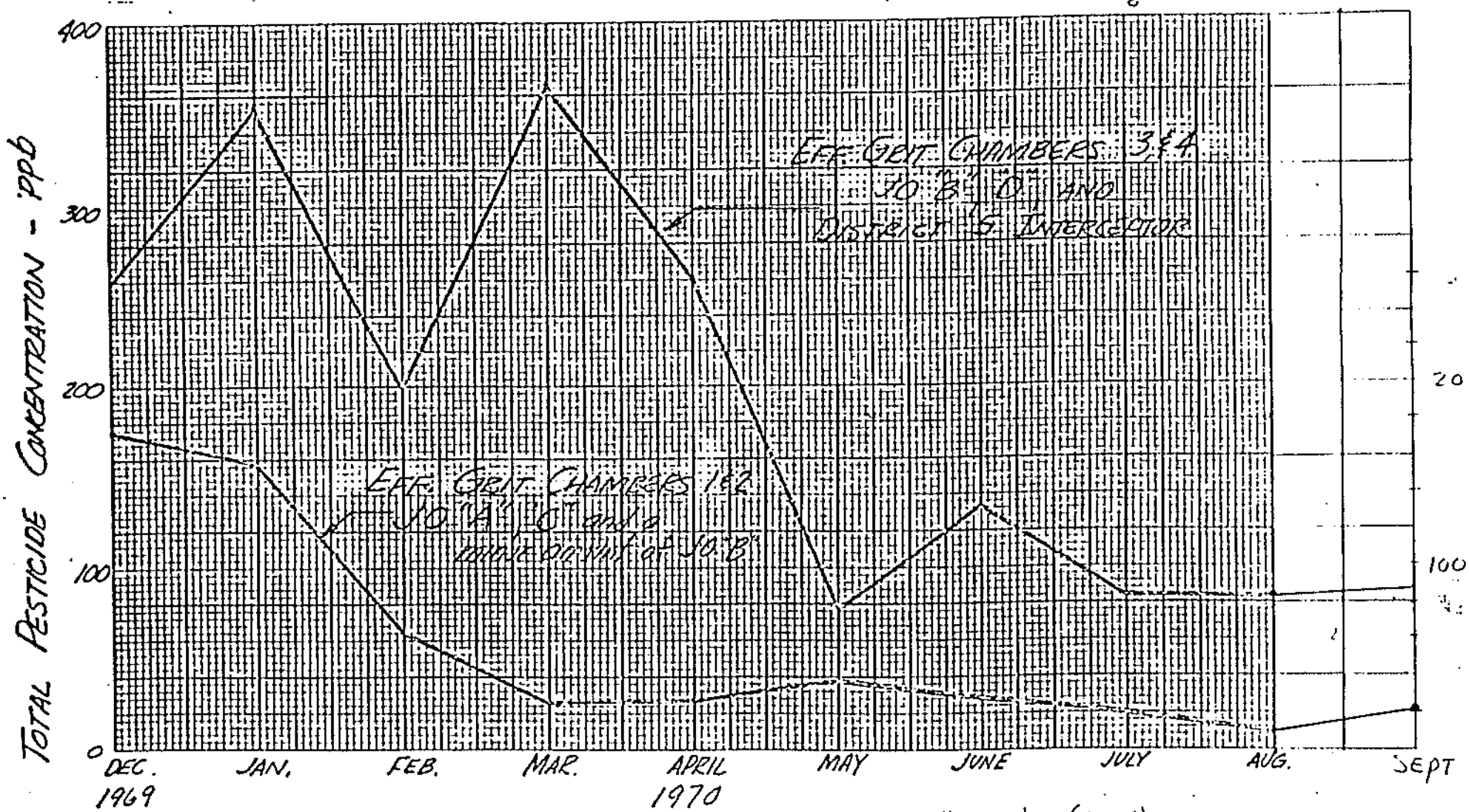

1910
TOTAL PESTICIDE CONCENTRATION - PPB
TOTAL PESTICIDE - LBS/DAY (BASED ON 400 MGD)
P.C.P. MANIFOLD
J.W.P.C.P. SCD. TANK EFFLUENT
TOTAL DDT SERIES ONLY
Blend all (95%) DDT
0
20
40
60
80
100
120
140
160
180
0
50
100
150
200
300
400
500
600

Figure 1

115

FIGURE ~~3~~ 2
INFLUENT TOTAL PESTICIDE
CONCENTRATION - J.W.P.C.P. (MONTHLY AVERAGES)



80 ppb (3 & 4) → [illegible] #/DAY
20 ppb (1 & 2) → 30 #/DAY
[illegible] #/DAY

TABLE 1

DISTRICT Nº_____ A. F. E. Nº_____

Prepared by REDACTED

Checked by_____

MONTROSE CHEMICAL CO.
DIST. 5 INTR.
24 hr. COMPOSITE UPSTREAM & DOWNSTREAM
OF MONTROSE CONNECTION

DATE	UPSTREAM TOTAL DDT #/DAY	DOWNSTREAM TOTAL DDT #/DAY	NET #/DAY
3/30-31	13	860	847
7/26-27	6	65	59
8/4	8	55	47
8/11	9	49	40
8/18	5	16	11
8/24 *	21	17	-4
8/31 *	34	31	-3
9/14 *	3	8	5
9/29-30	20	15	-5
10/7-8	15	8	-7

A 24 HOUR COMPOSITE RUN ON THE MONTROSE CONNECTION ON 9/29-30 INDICATE LESS THAN 2 #/DAY OF TOTAL DDT BEING DISCHARGED. SAMPLING STATIONS 4 AND 5 APPEAR TO BE REFLECTING THIS SMALL INPUT

24hr composite on 10-7 & 10-8 showed 0.17 #/day from Montrose. Flow was 50,000 gpd and concentration was 400 parts per billion.

(24)
SFUND RECORDS CTR
0639-03887

PESTICIDES AND HEAVY METALS

Progress Report
December 1970

Report Prepared by

Research and Development Division

Charles W. Carry
Division Head

John A. Redner
Project Engineer

LAC
006 000204.3

INTRODUCTION

In recent years, increased scientific knowledge has revealed that harmful effects upon the environment may result from materials in common use throughout the world. Pesticides and heavy metals - particularly mercury - have come to the forefront as two of the more potentially damaging environmental pollutants.

The term "pesticides" has been used with several different connotations. For purposes of this report, the term pesticides refers to chlorinated hydrocarbon pesticides. A type of chlorinated hydrocarbon which has sometimes been grouped with chlorinated hydrocarbon pesticides is polychlorinated biphenyl (PCB). While PCB's are a potential toxicant, they are not used as pesticides. Available data on PCB's have been included in this report in a section distinct from the pesticide data.

As soon as it became evident that the control of chlorinated hydrocarbon pesticides is essential to preservation of certain elements of the environment, a program was begun to establish where and in what concentrations they exist in the Sanitation Districts' system. In addition, the planned program was extended to identification and control of major sources. In a similar manner, investigation of heavy metals has also commenced. This report outlines progress thru December 1970.

It should be recognized that the occurrence of toxicants in a sewage collection system is incidental to their use. Air, water, and land will continue to be affected by the presence of pesticides and heavy metals as long as their use is continued. It is possible to limit and control their presence in sewers to some degree, but even a rigorous program of identification

LAC 006 000204

and control of major sources will not completely eliminate them unless their use is completely discontinued.

LAC 003394
003

Sampling Procedures

The basic sampling procedure used in the pesticide study is collection of a composite sample, over a 24 hour period whenever possible but over shorter time intervals in some instances. Individual samples making up the composite are normally collected at hourly intervals. Grab samples are utilized for sludge flows and ocean samples. Table 1 presents a breakdown of the type of sample collected at the Joint Water Pollution Control Plant (JWPCP), at inland treatment plants, in trunk sewers, and in the ocean.

Routine operational control sampling locations in the treatment plants are used where possible. If an automatic refrigerated sampler is not in place at a desired sampling location, a portable vacuum operated automatic sampler is installed to obtain the sample. At JWPCP, some of the composite samples are taken by hand. In this case, hourly grab samples are taken and transferred to a refrigerated container for compositing.

The sampler used to obtain sewer samples for pesticide analyses is homemade. The sampler consists of two sections of pipe each approximately four inches in diameter and six inches in length. One end of each section is capped. The other ends of the two sections can be screwed together forming one unit. The sample enters through a 1/2 inch diameter port in the top cap of the unit. To obtain a sample the unit is lowered by a line into the sewer. As soon as the unit submerges the sample begins to enter the port and approximately ten seconds later the sampler is filled. The unit is allowed to reach the bottom of the sewer under the force of its own weight. After it is pulled out of the sewer, the top (entry) section is removed, and

LAC 305 0002045

TYPE OF SAMPLE FOR PESTICIDE ANALYSES

SAMPLE	PROCEDURE
JWPCP	
GRIT CHAMBER EFFLUENT (REPRESENTS PLANT INFLUENT)	FLOW PROPORTIONED 24 HR. COMPOSITE OF HOURLY GRABS
PRIMARY EFFLUENT	FLOW PROPORTIONED 24 HR. COMPOSITE OF HOURLY GRABS
MANIFOLD (90" OUTFALL)	FLOW PROPORTIONED 24 HR. COMPOSITE - AUTOMATIC REFRIGERATED SAMPLER
EFFLUENT & CENTRATE (SYNTHESIZED)	FLOW PROPORTIONED 24 HR. COMPOSITE OF HOURLY GRABS
SLUDGE	GRABS
INLAND TREATMENT PLANTS	
INFLUENT & EFFLUENT	FLOW PROPORTIONED 24 HR. COMPOSITES - AUTOMATIC REFRIGERATED SAMPLER OR VACUUM OPERATED PORTABLE SAMPLER
SLUDGE	GRABS
SEWERS	
INITIAL SURVEY	FLOW PROPORTIONED COMPOSITE OF FOUR 6 HR. COMPOSITES OF HOURLY GRABS
LATER SURVEYS	24 HR. COMPOSITE OF HOURLY GRABS - EQUAL VOLUME
OCEAN	
WATER	GRABS - VAN DORN BOTTLE
SEDIMENT	GRABS - SHIPEK DREDGE
ORGANISMS	TRAWLING

LAC 006 0002047

the content of the bottom (storage) section is poured into the composite sample container.

A special test was conducted on November 5, 1970, in an attempt to determine whether or not the sewer sampling procedure is representative of the flow over the entire vertical profile. The sampling point was on JO "B" Unit 1A, a 144-inch diameter trunk sewer. During the sampling period the sewage depth varied from five to eight feet. The usual sewer sampling procedure was employed. In addition, three Frautschy bottles were used to obtain simultaneous samples six inches below the surface, at mid-depth, and one foot off the bottom. The Frautschy bottles, usually an oceanographic sampling device, were attached to a cable and a messenger simultaneously released the bottle closure mechanisms. Samples were taken at half-hour intervals and composited over three and one half hours. Table 2, which is a copy of the laboratory results, shows the wide variation in results. The normal problem associated with sampling in sewers is accentuated when sampling for pesticides since they are mostly insoluble, and obtaining a representative solids sample is extremely difficult. Since the grab sample was within the extremes obtained with the other samples, and the peak value of the other samples was at the mid-point, use of the homemade pipe device was deemed acceptable.

Laboratory Procedures

Chlorinated hydrocarbon pesticide concentrations are determined by means of gas-liquid chromatography. The preparation procedure used by the Sanitation Districts' laboratory includes a four-fold extraction procedure (6% ethyl ether + hexane; 24% ethyl ether + hexane; and hexane twice),

LAC 006 000204.3

TRUNK LINE SAMPLES (JOB' UNIT 1A 144" PIPE) - 3 1/2 HR COMP.

CONC. (ppb) / DATE / PESTICIDE		11-5-70		11-5		11-5		11-5	
		SURFACE		MID DEPTH		BOTTOM		GRAB SAMPLE	
BHC		0.783		0.975		1.11		0.868	
LINDANE		0.261		0.271		0.367		0.330	
HEPTACLOR		0.573		0.822		1.15		0.878	
HEPTACLOR EPOXI.		1.25		1.73		1.77		1.89	
ALDRIN		0.492		0.695		0.712		0.761	
ENDOSULFAN		ND		ND		ND		ND	
DIELDRIN		ND		ND		ND		ND	
ENDRIN		ND		ND		ND		ND	
TOXAPHENE		1.80		2.50		1.69		2.82	
KELTHANE		ND		ND		ND		ND	
OP'DDE		2.72		3.97		2.99		4.69	
PP'DDE		7.89		11.5		9.60		10.7	
OP'DDD		0.740		1.85		ND		1.51	
PP'DDD		4.31		7.08		0.998		5.33	
OP'DDT		0.972		1.65		1.01		1.44	
PP'DDT		0.890		0.927		0.784		1.18	
TOTAL DDT		17.5		27.0		15.4		24.9	
TOTAL PESTICIDE		22.7		34.0		22.2		32.7	
AROCLOR 1242		46.2		69.0		69.0		70.3	
AROCLOR 1254		ND		ND		ND		ND	
TOTAL PCB		46.2		69.0		69.0		70.3	

ND - NOT DETECTED

LAC 005 0002047

followed by passage through a column of sodium sulfate and fluorosil. The sample is then concentrated in an infra-red heater before being injected nto a Hewlett-Packard 5755B Gas Chromatograph. An electron capture detector is employed, and calculations are made on the basis of the peak heights of the responses elicited by each compound recorded on a strip chart as compared to standards of known chlorinated hydrocarbons.

The extraction procedure is a slight modification over a previous four-fold hexane extraction procedure employed until December 1970. The change was initiated to bring the procedure into line with that employed by most laboratories. Safety precautions were responsible for initially using hexane only, but relocation of the equipment has overcome the previous safety problem.

Originally (November 1969), fourteen chlorinated hydrocarbon pesticides were analyzed for: Benzene hexachloride (BHC), Lindane, Perthane, Heptachlor, Aldrin, Chlordane, Endosulfan, Dieldrin, Endrin, Toxaphene, DDE, DDD, DDT, and Kelthane. In May 1970, Heptachlor epoxide was added. In September 1970, Perthane and Chlordane were dropped because of interferences. The concentration of each chlorinated hydrocarbon, if detected, is reported in nanograms per milliliter, which is equivalent to parts per billion (ppb). Concentrations of all the chlorinated hydrocarbon pesticides detected are summed and reported as total chlorinated hydrocarbon pesticides. The components attributable to DDD, DDE, and DDT are summed and reported as Total DDT.

Identification and concentration of a pesticide is based on a comparison with known pesticide standards. Ultimate identification, however, must rest on evidence such as mass spectral data, an extremely expensive procedure

LAC 006 0002050

very seldom employed. When using chromatography, errors may occur due to interfering compounds which chemically resemble one of the pesticides. When this chromatographic interference occurs, the peaks obtained on a chromatogram are not clearly indicative of the concentrations involved. In particular, a major interference results from polychlorinated biphenyls (PCB's), also known commercially as Aroclors.

Polychlorinated biphenyls, while not a chlorinated hydrocarbon pesticide, are chlorinated hydrocarbons which resemble the DDT family. Since September 1970, the chromatographic analyses have included the determination of PCB's. Concentrations of Aroclor 1254 and Aroclor 1242 are summed and reported as Total PCB.

At the present time, the chromatographic output from a given sample is compared to a pesticide standard and an Aroclor standard. Figure 1a shows the strip chart chromatogram for the chlorinated hydrocarbon pesticide standard. Each chlorinated hydrocarbon pesticide is in a 1 ppm concentration. Figure 1b is a 1 ppm Aroclor 1254 standard and Figure 1c is a 1 ppm Aroclor 1242 standard. Figure 1d shows the chromatogram of a Los Angeles River sample obtained after the first major rainfall of 1970 (Nov. 28, 1970). Figure 1e shows the chromatogram of a trunk sewer sample (Station 64 - Dec. 1, 1970).

The trunk sewer sample (Figure 1e) shows a very strong DDT series response. The DDT series peaks are labeled on the sample chromatogram and their location marked on absiccsa 0-0. The peak locations of the pesticide standard (as obtained from Figure 1a) are shown on abscissa 1-1. Abscissa 2-2 represents the major peaks of the Aroclor 1254 standard (as obtained from Figure 1b). One of the Aroclor 1254 peaks coincides with the peak for

LAC 005 0032951

PESTICIDE STANDARD, 1 ppm, 10x64 ATTN.

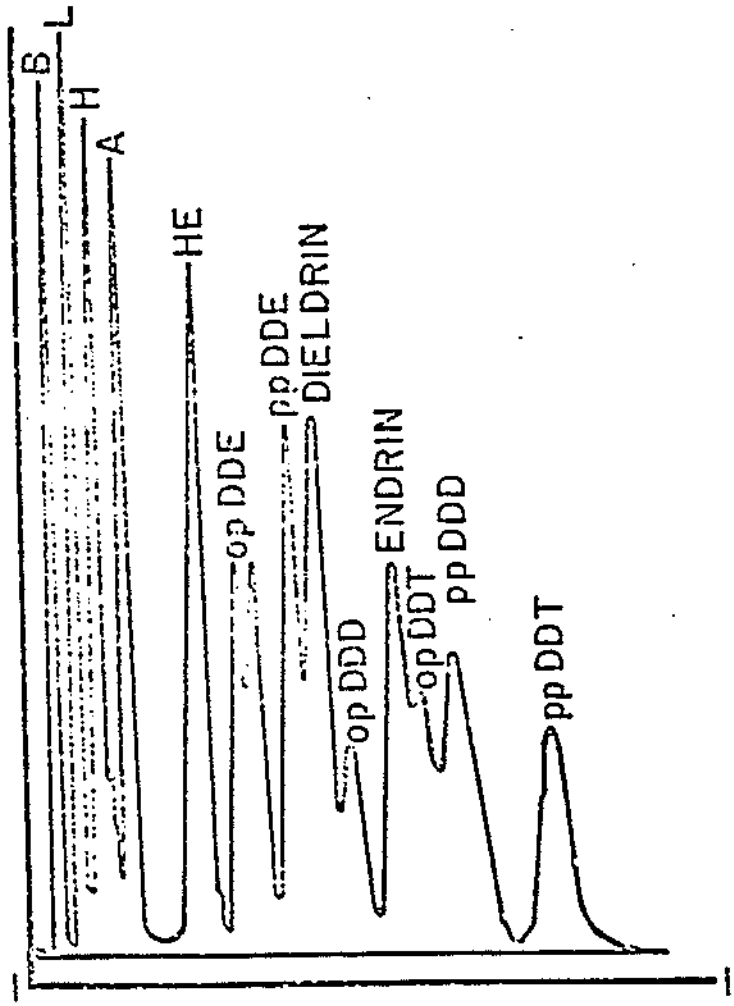
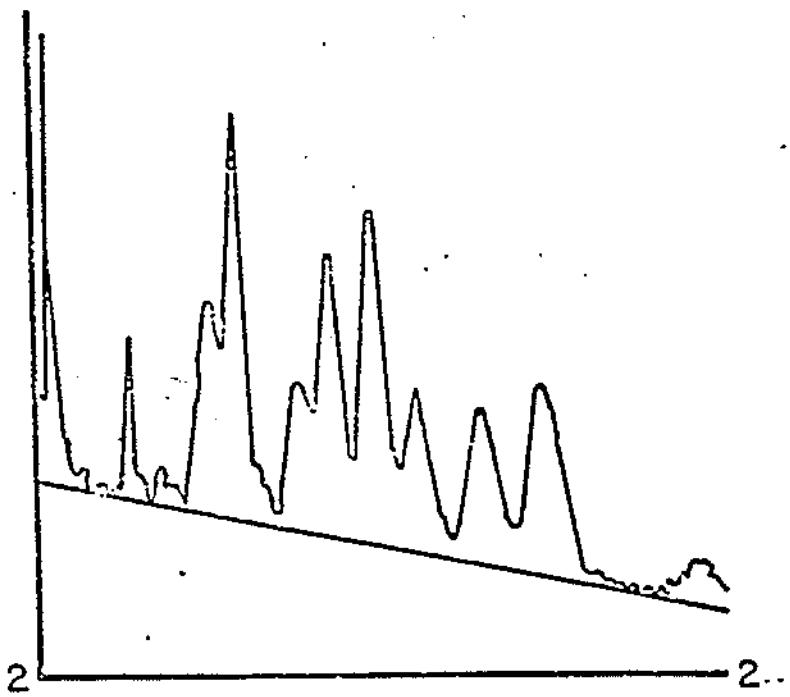


FIGURE 1a

AROCLOR 1254, 1 ppm, 1x64 ATTN.



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LOS ANGELES RIVER SAMPLE, 10x64 ATTN.

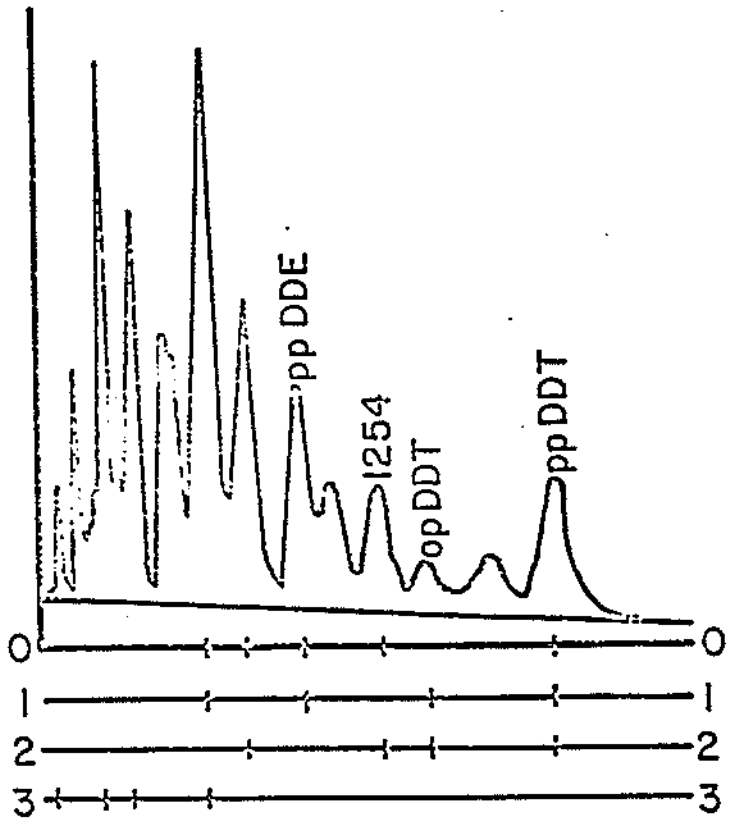


FIGURE 1d

AROCLOR 1242, 1ppm, 1x64 ATTN.

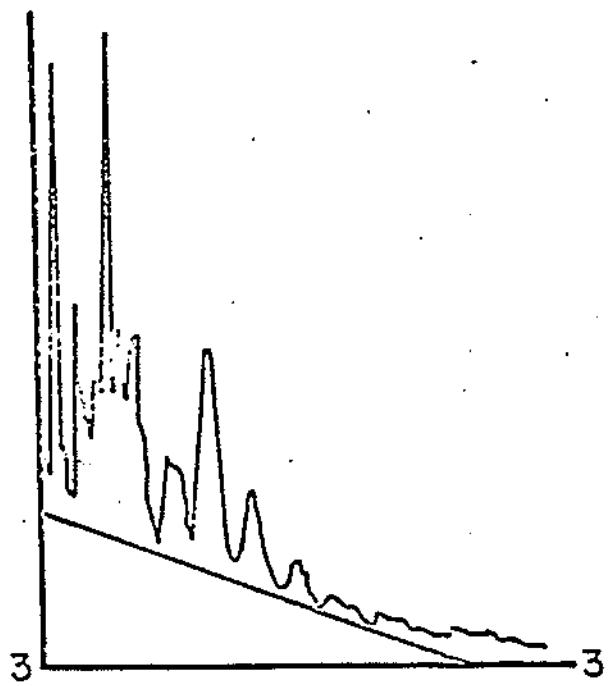
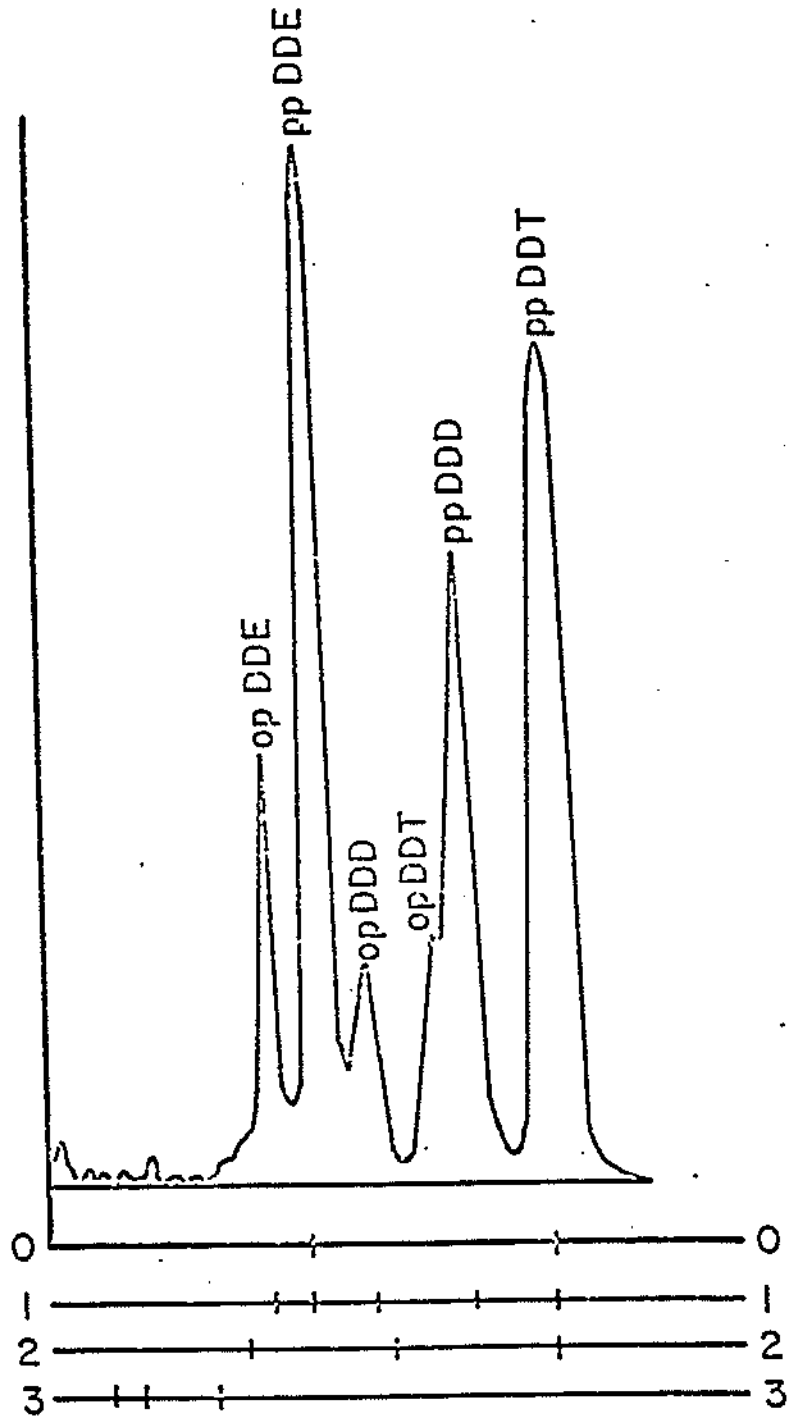


FIGURE 1c

FIGURE 1e

PESTICIDE ANALYSIS CHROMATOGRAM

TRUNK SEWER SAMPLE NO. 64, 10x64 ATTN.



LAC 006 000204

pp DDT. If Aroclor 1254 were actually present in the sample, all the major Aroclor peaks should have been exhibited. However, since the other major Aroclor 1254 peaks do not appear, Aroclor 1254 is not present. Abscissa 3-3 represents the location of the major Aroclor 1242 peaks (as obtained from Figure 1c). No Aroclor 1242 appears in the sewer sample.

The Los Angeles River water sample (Figure 1d) illustrates the interference problem. No Aroclor 1242 is reported because all the major Aroclor 1242 peaks (abscissa 3-3) do not appear in the river sample. All of the major Aroclor 1254 peaks (abscissa 2-2) coincide with sample peaks. The 1254 peak called out on the sample coincides with an Aroclor 1254 peak only. However, a number of sample peaks coincide with both Aroclor 1254 and the pesticide standard, i.e. pp DDT peak. It can be determined that these peaks are not Aroclor 1254 because the relative amplitude of the peaks do not follow the proportion established in the Aroclor 1254 standard.

Without going into more detail, it suffices to say that interpretation of chromatograms is difficult and interferences can sometimes lead to erroneous conclusions. More detailed procedures may be helpful in separating the various compounds, but those techniques are not sufficiently developed to be used at this time.

About 4 man hours are required for the laboratory analysis of each sample. In actual practice, a crew of five men can perform about 10 analyses in an eight hour day under ideal conditions and not allowing for maintenance of equipment or refinement of techniques.

Inland Treatment Plants

Table 3 shows the averaged chlorinated hydrocarbon pesticide

LAC 005 000255

TABLE 3

AVERAGE CHLORINATED HYDROCARBON PESTICIDE CONCENTRATION
INLAND TREATMENT PLANTS

Plant[a]	Number Samples	Total Chlorinated Hydrocarbon Influent ppb	Effluent ppb	Percent Removal	Total DDT Influent ppb	Effluent ppb	Percent Removal
Whittier Narrows	6	10.9	1.24	89	8.71	0.29	96
Los Coyotes WRP	7[b]	2.96	0.80	73	1.02	0.15	85
Pomona WRP	9	2.55	0.56	78	1.24	0.21	83
Azusa WRP	2	7.20	0.56	92	7.18	0.53	93
Lucky Lager WRP	2	0.81	0.49	40	0.77	0.41	47
District 14 WRP	4	1.82	0.54	70	1.26	0.48	62
District 20 WRP	5	3.26	0.61	81	2.27	0.41	82
District 28 WRP	4	1.87	0.25	87	1.81	0.21	88
District 32 WRP	4	0.96	0.26	73	0.78	0.22	72

a. Data for the District 26 WRP (Saugus) is not included because of interferences in the analysis.

b. 7 effluent samples but only 2 influent samples.

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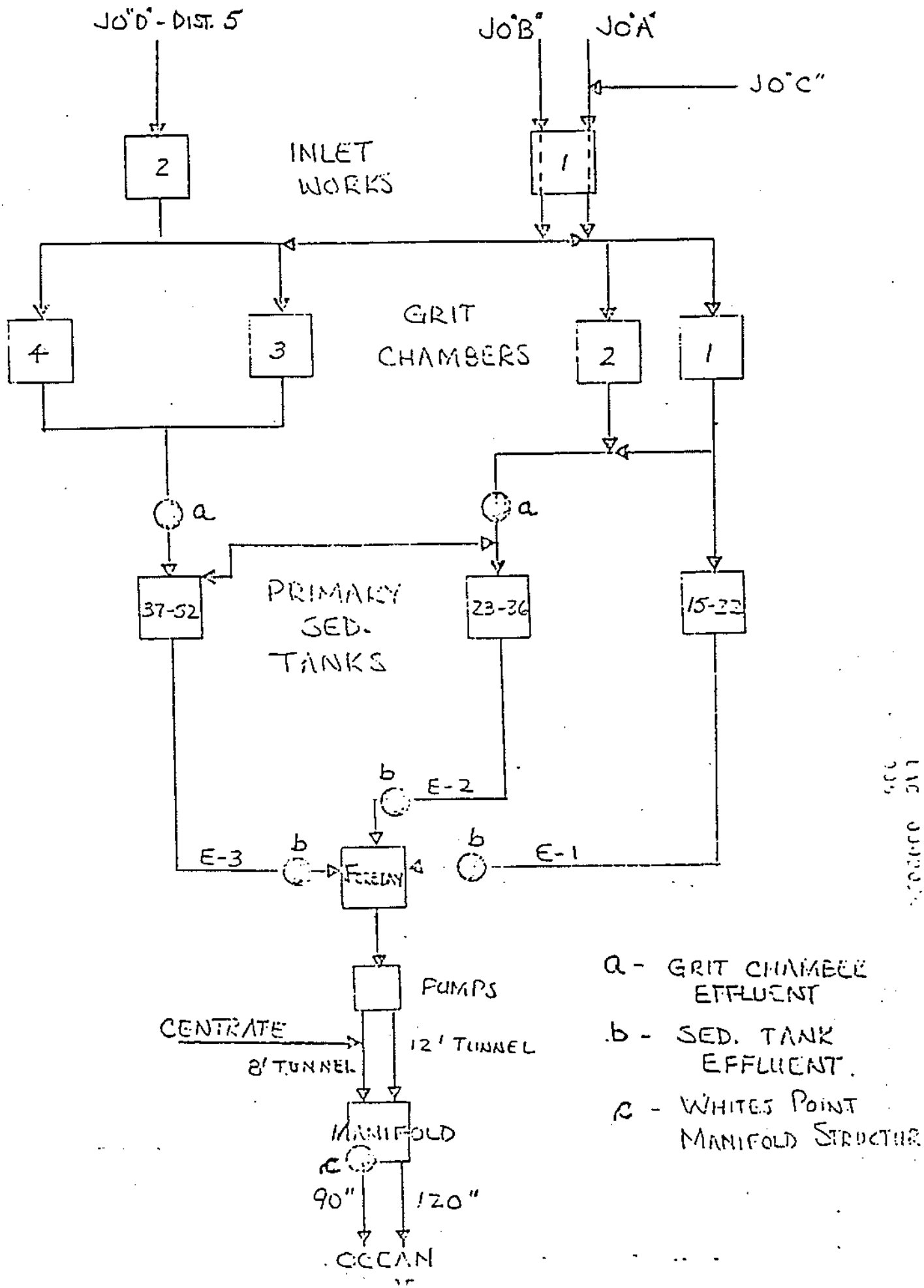
concentration for the influent and effluent of each inland treatment plant. Influent total chlorinated hydrocarbon pesticide concentrations varied from 0.81 ppb to 10.9 ppb, while influent total DDT concentration varied from 0.78 ppb to 8.71 ppb. Effluent total chlorinated hydrocarbon pesticide concentrations ranged from 0.25 ppb to 1.24 ppb, while effluent total DDT concentrations ranged from 0.15 to 0.53 ppb.

Joint Water Pollution Control Plant (JWPCP)

Sampling at JWPCP commenced in December 1969. Initially, only the influent raw sewage was sampled, but later a routine sampling program was established to monitor the pesticide concentrations in the influent and effluent. Figure 2 is a schematic diagram of JWPCP showing the present sampling locations. Samples have been taken of the effluent from the grit chambers to represent influent pesticide concentrations and at the Whites Point manifold structure (90-inch outfall) to represent effluent pesticide concentrations.

Suspected errors in manifold structure data led to an investigation in November 1970, which confirmed that concentrations obtained from the manifold structure samples were higher than the average for all the flow leaving JWPCP. The digested sludge centrate is pumped into the tunnels in such a manner that the entire centrate flows into the 8 foot tunnel only. Since good mixing does not occur in the manifold structure, the stream carrying the centrate was flowing past the sampling port located on the 90-inch outfall and yielding a sample disproportionately high in components affected by centrate. To determine a correction factor for the existing manifold structure data, a comparison sampling program has been established


JO"D" - DIST. 5
JO"B"
JO"A"
JO"C"
2
INLET WORKS
1
4
3
GRIT CHAMBERS
2
1
a
a
37-52
PRIMARY SED. TANKS
23-36
15-22
b
E-2
E-3
b
FOREBAY
b
E-1
PUMPS
CENTRATE
8' TUNNEL
12' TUNNEL
MANIFOLD
c
90"
120"
OCEAN
a - GRIT CHAMBER EFFLUENT
b - SED. TANK EFFLUENT.
c - WHITES POINT MANIFOLD STRUCTUR

to compare manifold structure samples to one composite sample obtained from three primary effluent channels and from the centrate in proportion to their individual flows. This sample, designated synthesized effluent and centrate sample, is a true representation of the average discharge from JWPCP.

The comparison sampling program has not yet been completed, so no data are included on JWPCP effluent discharged to the ocean prior to November 1970. All data on JWPCP effluent subsequent to November 1970 have been obtained on the synthesized effluent and centrate sample. Data have been included on the JWPCP primary effluent only, but these data do not include the centrate.

Figure 3 shows monthly averages for influent total pesticide concentrations at JWPCP from December 1969 to December 1970. Daily 24 hour composite samples were taken through mid-March; thereafter one 24 hour composite sample per week was taken. The individual data points used to obtain the monthly averages for total chlorinated hydrocarbon pesticides and total DDT in the effluent from Grit Chambers 1 and 2 and from Grit Chambers 3 and 4 varied considerably, as shown in Table 4. Three facts are obvious when examining Figure 3. First, the effluent chlorinated hydrocarbon pesticide concentration from Grit Chambers 3 and 4 has always been significantly greater than from Grit Chambers 1 and 2. This is attributed to the fact that a major DDT manufacturer, Montrose Chemical Corporation of California (hereinafter referred to as Montrose) discharges industrial wastewater to the District 5 Interceptor trunk sewer, which is tributary to Grit Chambers 3 and 4. Second, there has been a significant decline in chlorinated hydrocarbon pesticide concentrations in the grit chamber effluents. It is

MONTHLY AVERAGES

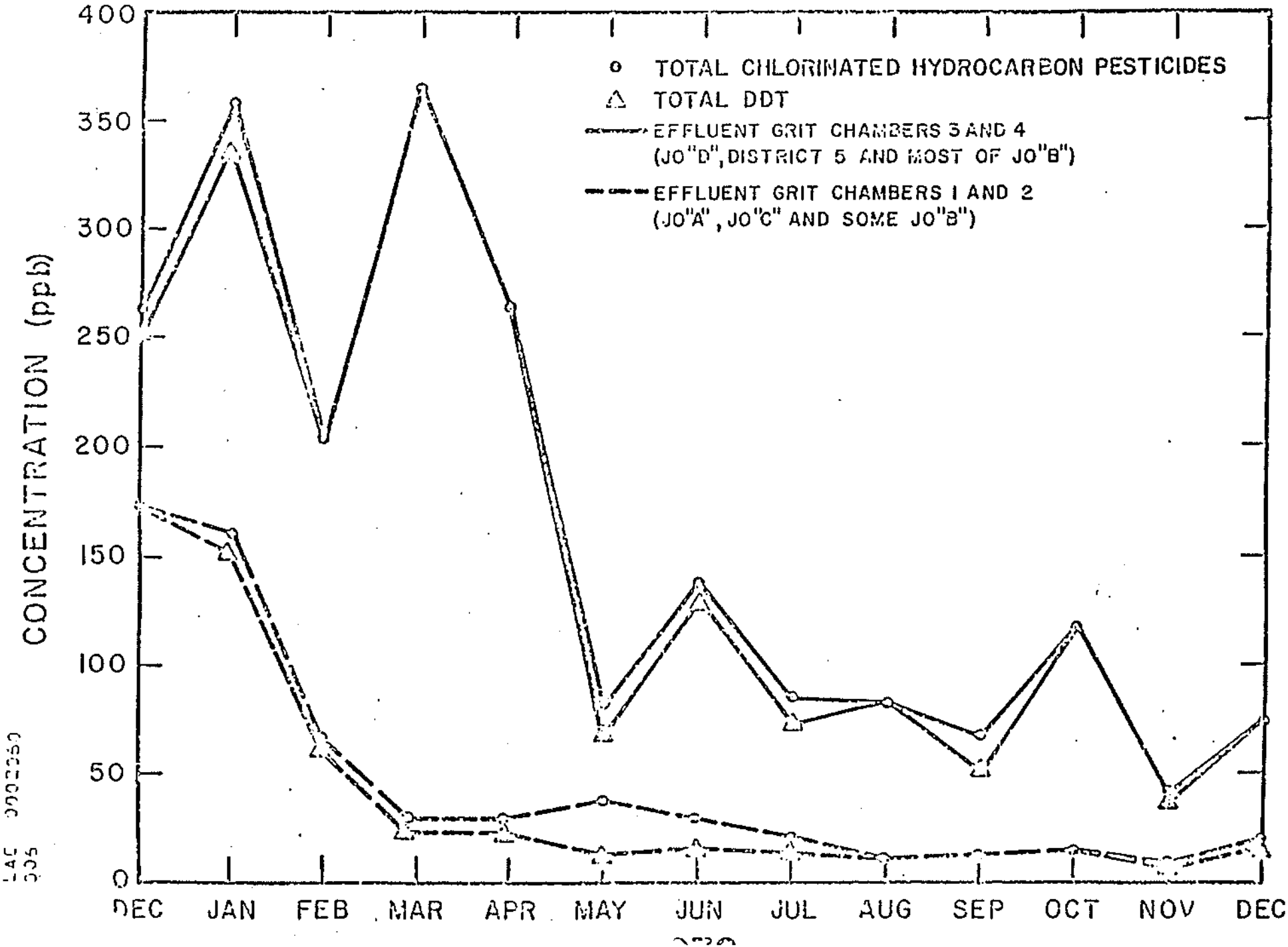


TABLE 4

CHLORINATED HYDROCARBON PESTICIDES - JWPCP INFLUENT

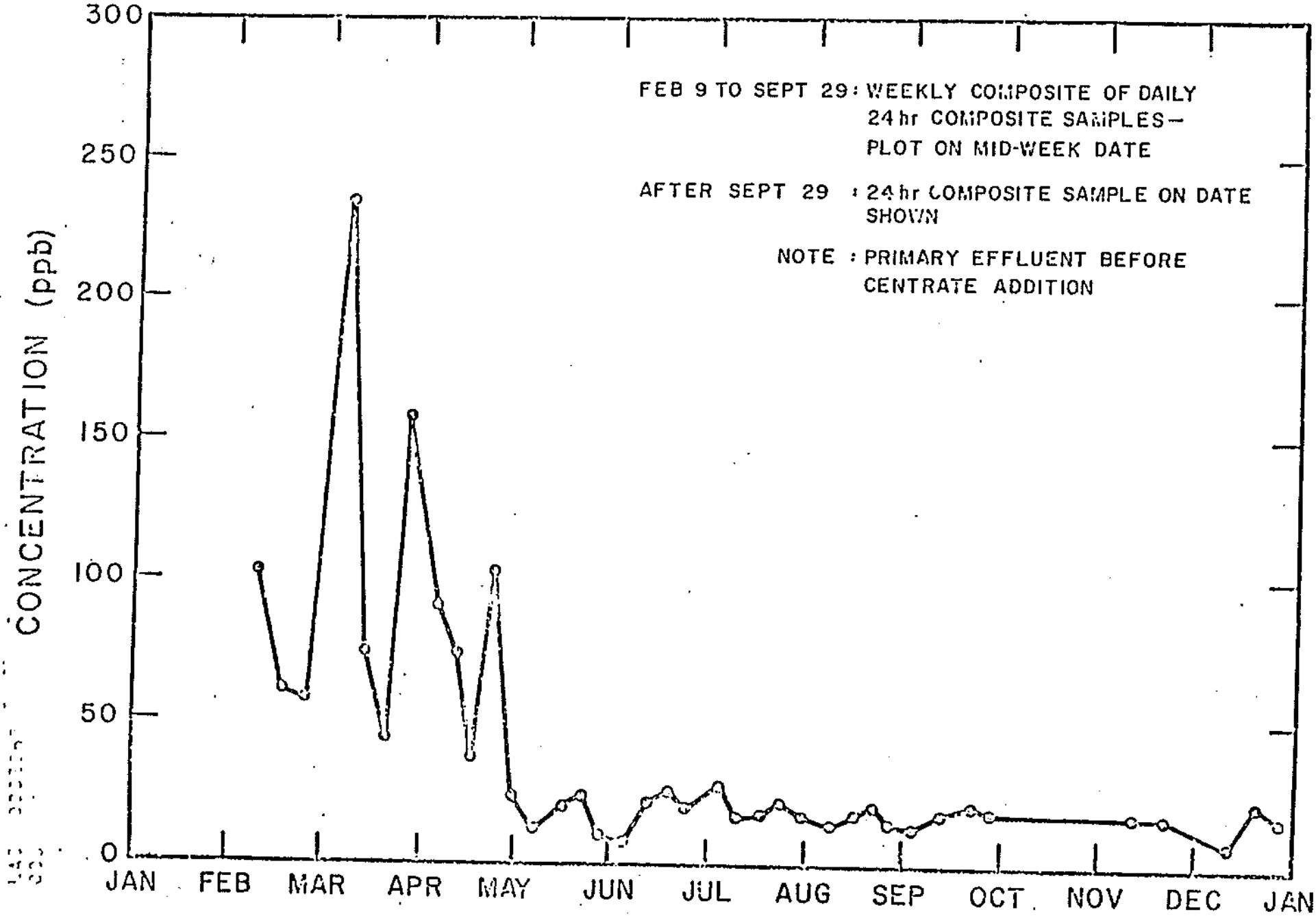
Month 1970	Effluent from Grit Chambers 1 and 2: Number of Samples	Average Total Chlor.Hydrocar. Pesticides (ppb)	Range (ppb)	Average Total DDT (ppb)	Range (ppb)	Effluent from Grit Chambers 3 and 4: Number of Samples	Average Total Chlor.Hydrocar. Pesticides (ppb)	Range (ppb)	Average Total DDT (ppb)	
Dec. '69	11	172	375-48	170	371-41	12	260	759-84	244	7
Jan	20	161	370-30	153	341-29	20	359	1492-26	336	14
Feb	18	65	167-7	60	164-5	18	201	355-51	200	3
Mar	16	26	108-4	20	88-3	16	366	1131-13	362	11
Apr	6	28	53-9	21	49-7	6	262	950-51	253	9
May	5	38	60-19	12	25-8	5	79	182-33	66	1
June	4	28	59-7	15	29-4	4	134	274-55	128	2
July	5	20	32-10	13	19-8	5	84	103-60	71	8
Aug	5	12	20-9	9	16-5	5	83	94-62	78	9
Sept	3	14	19-9	10	16-7	4	66	105-9	49	7
Oct	3	15	18-12	11	13-10	4	118	144-96	116	14
Nov	2	9	10-8	6	7-6	3	39	53-23	36	5
Dec	4	19	47-0	15	46-0	11	79	156-37	73	15

felt that this drop reflects industrial curtailment in both the manufacture and use of pesticides, particularly DDT. Since May 1970, the total chlorinated hydrocarbon pesticide concentration has averaged 19 ppb for the effluent from Grit Chambers 1 and 2 and 85 ppb for the effluent from Grit Chambers 3 and 4. Third, it is apparent that total DDT (DDT, DDD, and DDE) accounts for most of the chlorinated hydrocarbon pesticide concentrations. Since May 1970, the total DDT concentration has averaged 11 ppb for the effluent from Grit Chambers 1 and 2 and 77 ppb for the effluent from Grit Chambers 3 and 4.

The flow through each set of grit chambers is not metered. If it is assumed that 60% of the flow passes through Grit Chambers 3 and 4 and 40% through Grit Chambers 1 and 2, the influent total chlorinated hydrocarbon pesticide concentration, minus grit chamber removal (which is assumed to be of minor consequence) has averaged about 60 ppb since May. If an average flow of 370 MGD is assumed, then an average of about 180 pounds per day of chlorinated hydrocarbon pesticides have entered JWPCP since May. Similar calculations for total DDT yield an average of about 50 ppb, or about 150 pounds per day, since May 1970.

Sampling of the primary effluent (not including centrate) was initiated in February 1970. As shown in Figure 4, the primary effluent total chlorinated hydrocarbon pesticide concentration follows closely the trends illustrated in the plant influent. Since May, the total chlorinated hydrocarbon pesticide concentration in the primary effluent has averaged approximately 18 ppb. As is the case with the influent, total DDT accounts for almost all of the chlorinated hydrocarbon pesticide concentration.

TOTAL CHLORINATED HYDROCARBON PESTICIDES
JWPCP PRIMARY EFFLUENT



Since May, the total DDT concentration in the primary effluent has averaged 16 ppb.

Pesticide analyses have been performed on filtered and unfiltered sedimentation tank effluent samples. Approximately 85% of the total primary effluent chlorinated hydrocarbon pesticides was insoluble.

Only limited data are available on pesticide concentrations in the various solids flows at JWPCP. As would be expected, concentrations are quite high.

The centrate is added to the primary effluent before discharge to the ocean. Assuming an average total chlorinated hydrocarbon pesticide concentration of 3,000 ppb for the centrate at an average flow of 2 MGD mixed with 370 MGD of primary effluent containing a total chlorinated hydrocarbon pesticide concentration assumed at 18 ppb, the resulting effluent and centrate mixture would contain 34 ppb, or 105 pounds per day.

Until December 1970, the only samples of the combined JWPCP effluent including centrate were obtained at the Whites Point manifold structure. However, as previously discussed, the data obtained from this location are in error. Until an appropriate correction factor for the past data is obtained, the only reliable data are of quite recent origin, as shown in Table 5. These data have been obtained from sampling a synthesized effluent and centrate mixture, a procedure which will continue to be used in the future to represent JWPCP effluent. Table 5 shows the total chlorinated hydrocarbon pesticide concentrations in the effluent. Averaging these data results in a total chlorinated hydrocarbon pesticide concentration of about 44 ppb, or about 130 pounds per day, which includes both primary

TABLE 5

CHLORINATED HYDROCARBON PESTICIDES
JWPCP EFFLUENT

(SYNTHESIZED EFFLUENT AND CENTRATE MIXTURE)

Date	Total Chlorinated Hydrocarbon Pesticides[a] ppb
Dec. 8	36
Dec. 13	40
Dec. 14	58
Dec. 15	49
Dec. 16	57
Dec. 17	55
Dec. 18	21
Dec. 21	33
Dec. 22	43

a. Other than DDT, DDD and DDE, no other chlorinated hydrocarbon pesticides were detected.

effluent and centrate. This average is 10 ppb higher than that obtained by the calculations in the above paragraph. It is felt that the synthesized samples (44 ppb average) are probably more correct since the assumed concentration for centrate in the previous calculations could be in error.

Sewage Collection System

Initial Survey

An initial survey of the trunk sewers began on March 30, 1970. Twenty-four hour composite samples were taken at 60 sampling locations throughout the trunk sewer system. Figure 5 is a map of the areas sampled.

With minor exceptions, the total chlorinated hydrocarbon pesticide levels were due mostly to total DDT. On the basis of this single pass through the trunk sewers, major sources of chlorinated hydrocarbon pesticides appeared to be located in the south end of the sewer system (within about six miles of JWPCP). Figure 6 is a schematic representation of the south end of the trunk sewer system showing the sampling results. Major sources of pesticides appeared to be entering the JO "B" system in Carson (District 8) and the District 5 - JO "D" system in Torrance and Carson (Districts 5 and 8).

The high results in the south end of the sewer system were obtained on March 30. Although all the lines in the vicinity of JWPCP were not sampled on that date, the results show that at least 900 pounds per day should have reached JWPCP. However, on March 30, influent chlorinated hydrocarbon pesticides

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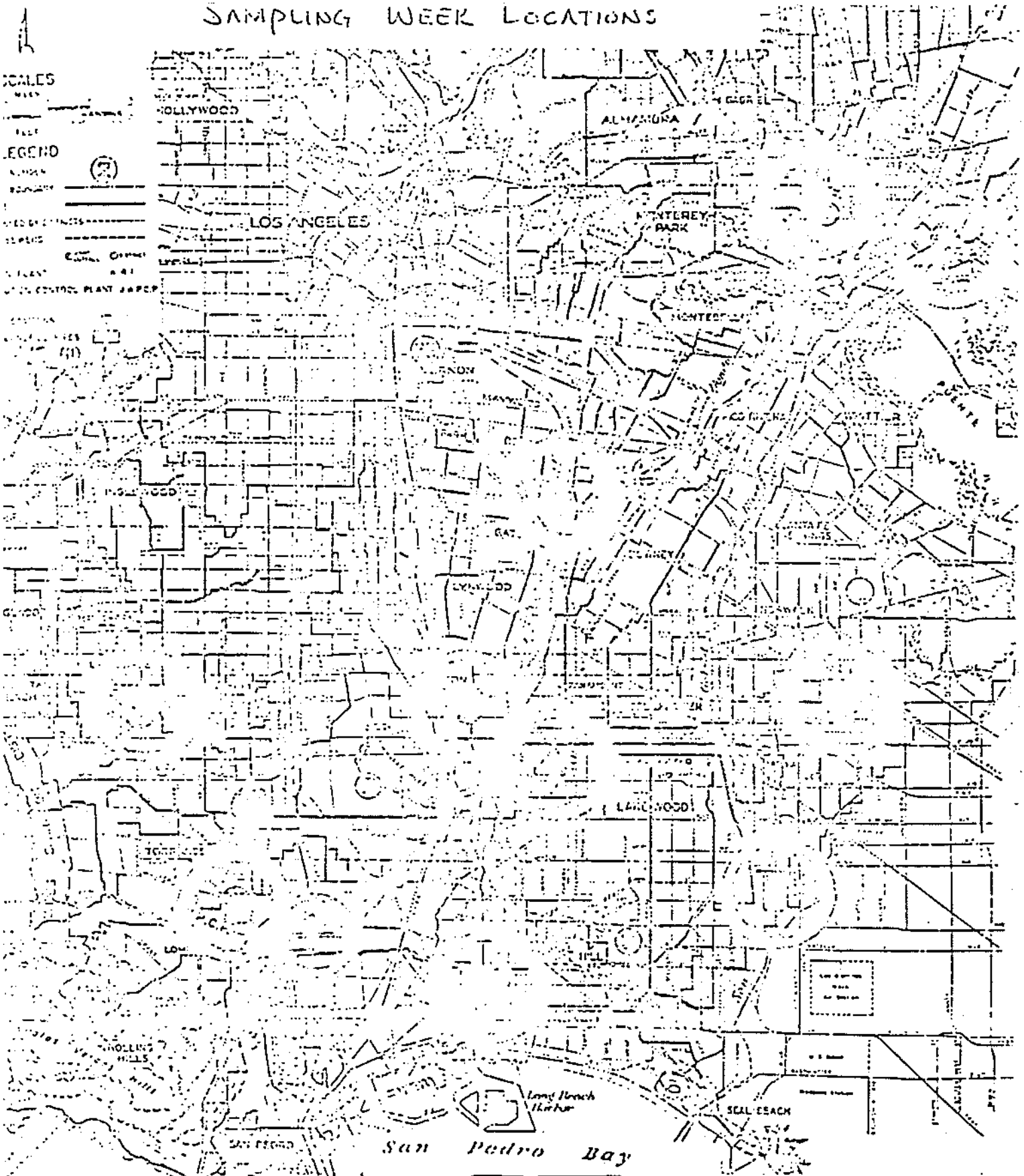
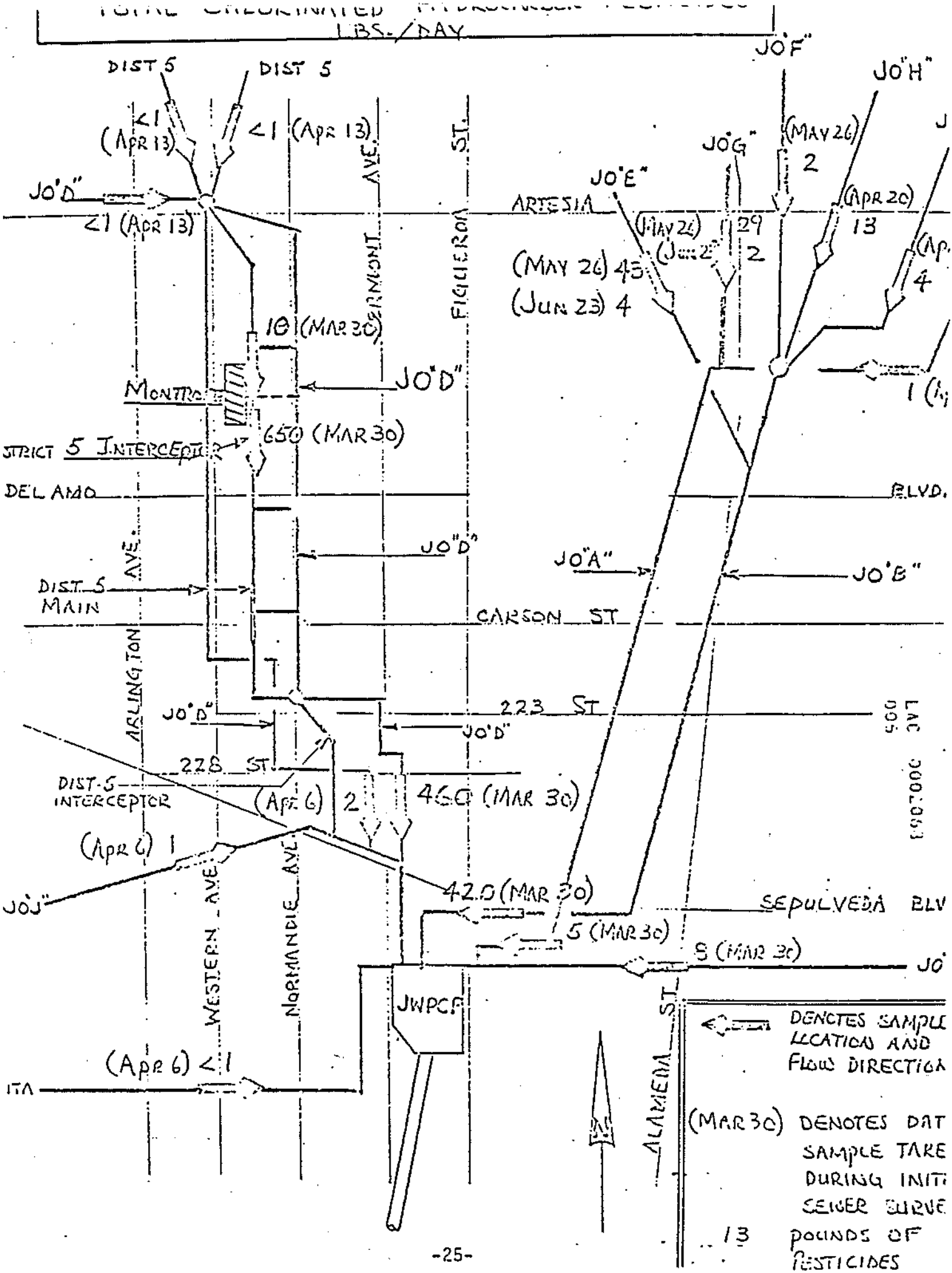
SAMPLING WEEK LOCATIONS



COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY, CALIF.
OFFICE OF CHIEF ENGINEER
GENERAL MAP OF
LOS ANGELES COUNTY SANITATION DISTRICTS
JOHN D. PARKHURST - CHIEF ENGINEER

DENOTES AREA SAMPLED DURING THIRD WEEK OF INITIAL SEWER SURVEY


LBS./DAY
DIST 5
DIST 5
<1 (APR 13)
<1 (APR 13)
<1 (APR 13)
JO"D"
ARTESIA
FIGUEROA ST.
BERMONT AVE.
JO"F"
JO"H"
JO"G"
JO"E"
(MAY 26) 2
(APR 20) 13
(MAY 26) 29
(JUN 23) 2
(MAY 26) 43
(JUN 23) 4
4
10 (MAR 30)
JO"D"
MONTRO
650 (MAR 30)
STRICT 5 INTERCEPTOR
DEL AMO
BLVD.
JO"D"
JO"A"
JO"B"
DIST 5 MAIN
CARSON ST
ARLINGTON AVE.
223 ST
JO"D"
JO"D"
228 ST
DIST 5 INTERCEPTOR
(APR 6) 2
460 (MAR 30)
(APR 6) 1
JO"J"
WESTERN AVE
NORMANDIE AVE
420 (MAR 30)
SEPULVEDA BLV
5 (MAR 30)
8 (MAR 30)
JO"
JWPCF
ALAMEDA ST
(APR 6) <1
ITA
DENOTES SAMPLE LOCATION AND FLOW DIRECTION
(MAR 30) DENOTES DAT SAMPLE TAKE DURING INIT SEWER SURVE
13 POUNDS OF PESTICIDES

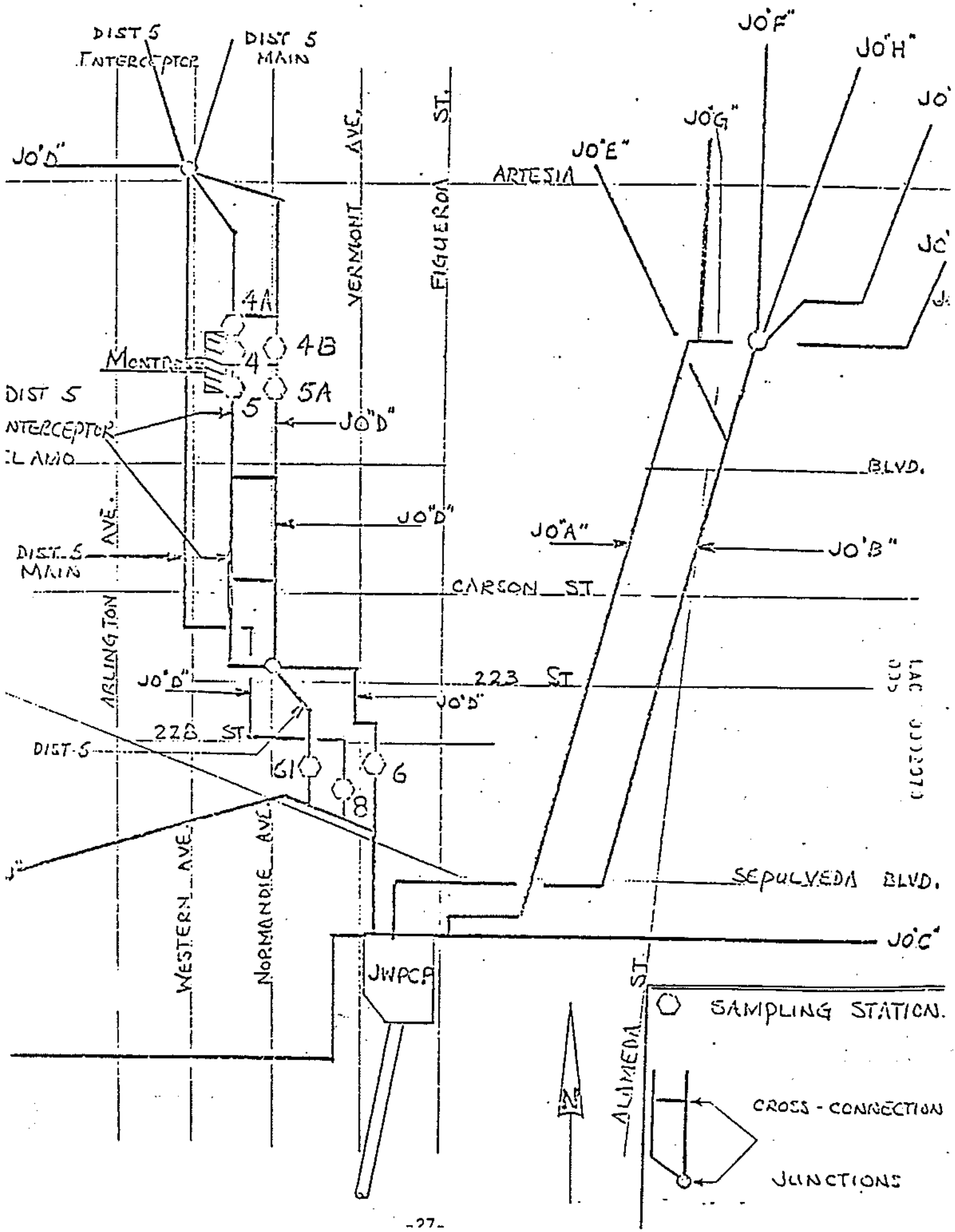
(actually grit chamber effluent) at JWPCP totaled 150 ppb, or less than 500 pounds per day. The discrepancy between the trunk sewer samples and grit chamber effluent can't be attributed to removal in the grit chambers themselves since they remove less than 5% of the influent solids, and pesticide removal will not be greater than the solids removed. The conclusion of this work was that numerical results obtained from the single pass through the sewer system can only be considered as "ballpark" values. Although absolute values were questionable, major sources appeared to be located in three trunk sewers: JO "B", JO "D", and the District 5 Interceptor.

J.O. "D" and District 5 Interceptor Systems (Montrose)

After completion of the initial trunk sewer survey in July, a more concentrated sampling program was initiated in the south end of the system. The JO "D" and the District 5 Interceptor, which are cross connected at several locations, were investigated first because Montrose, a Major DDT manufacturer, discharges into the District 5 Interceptor.

These systems are shown schematically in Figure 7. Originally Montrose discharged to JO "D" only, but in 1963 the District 5 Interceptor was built and the Montrose discharge was connected directly to it, although a very small line remained in place between the District 5 Interceptor and JO "D". The District 5 Interceptor cross connects with JO "D" south of Del Amo Blvd., north of Carson Street and again north

SAMPLING STATIONS - JO. D - DISTRICT 5



of 223rd Street before finally combining with JO "J" AND JO "D" (Units 7 and 1A) and flowing to JWPCP thru Inlet Works No. 2 and Grit Chambers 3 and 4.

During the initial sewer survey, two locations were sampled around Montrose's sewer connection to the District 5 Interceptor (see Figure 6). The upstream sample showed 46 ppb (10 pounds per day) of total chlorinated hydrocarbon pesticides. Total DDT accounted for 34 ppb (7 pounds per day). The sample taken downstream of Montrose showed 2,950 ppb (650 pounds per day) of total DDT. No other chlorinated hydrocarbon pesticides were detected. This resulted in an increase of approximately 2900 ppb (640 pounds per day) in the District 5 Interceptor. Of this increase in total DDT, 73% was DDT, 2% was DDD and 25% was DDE. No samples were taken on the JO "D".

Beginning in July, five sampling locations (stations 4, 5, 6, 8 and 61) were established on the District 5 and JO "D" sewer systems. Weekly samples were taken through August. In September Stations 4A, 4B and 5A were added (see Figure 7).

During this sampling program much lower quantities of total DDT were detected in the District 5 Interceptor downstream of Montrose. Table 6 indicates the total DDT concentrations at all stations in the vicinity of Montrose. Samples were taken Sept. 29, 1970, and Oct. 7, 1970, from both the District 5 Interceptor and JO "D". Results for the two lines have been grouped together on these dates to account for any flow through the connection between them. Total DDT accounted for 99% of the total chlorinated hydrocarbon pesticides.

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TABLE 6

TOTAL DDT - DISTRICT 5 INTERCEPTOR AND JO "D" SYSTEM - VICINITY OF MONTROSE [a, b]

Date 1970	Station 4 Total DDT ppb	Station 4 Flow MGD	Station 4 Total DDT Lbs/Day	Station 5 Total DDT ppb	Station 5 Flow MGD	Station 5 Total DDT Lbs/Day	Net Change Lbs/Day
Mar 30	34.0	25.3	7.2	2950	26.6	654	647
July 27	19.8	25.8	4.2	212	26.2	46.5	42.3
Aug 4	26.2	25.1	5.3	189	25.4	40.0	34.7
Aug 11	30.7	24.4	6.2	167	26.1	36.4	30.2
Aug 18	16.8	24.0	3.4	54.1	25.8	11.6	8.2
Aug 24	71.2	28.0	16.6	56.1	29.0	13.6	- 3.0
Aug 31	119	29.8	29.6	31.3	30.9	8.1	- 21.5
Sept 14	10.6[c]	28.6	2.5	25.4	30.9	6.5	4.0
	Stations 4A + 4B[d]			Stations 5 + 5A[d]			
Sept 29	88.2	39.7	29.2	131	42.3	46.2	17.0
Oct 7	75.1	40.7	25.5	61.6	44.2	22.7	- 2.8

a. All samples are 24 hour composites except Aug. 24, 31 and Sept. 14 which are 7 hour composites.

b. See Figure 7 for sampling station locations

c. Data from Station 4A

d. Stations on District 5 Interceptor are combined with stations on J.O. "D". upstream and downstream of a connection between the two sewers at the Montrose discharge.

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The samples of Oct. 7, 1970, actually showed a net decrease as the two sewers passed the Montrose connection. Similar negative results occurred on two samples taken from Stations 4 and 5 on the District 5 Interceptor but JO "D" was not sampled on those days. Since samples obtained from the Montrose discharge line itself showed some DDT, and since there can't be a true net decrease even if Montrose were not discharging, the results are merely an indication that the sampling and analytical procedures are not accurate enough to detect small changes in the amount of pesticides in sewers. The procedures are accurate enough, however, to conclude that a significantly lower quantity of total DDT was flowing in the District 5 Interceptor downstream of Montrose in the latter months of 1970 as compared to data obtained in March 1970.

In April 1970, Montrose began hauling by truck what was termed a caustic liquor waste to landfills for disposal.

The Sanitation Districts informed Montrose by letter on July 17, 1970, that their discharge contained concentrations of DDT unacceptable for continued discharge into the sewer. Montrose replied on August 12, 1970, that within six months the plant would be converted to about a 90% recycle system, with the most heavily contaminated streams eliminated from the waste discharge with an expected ten-fold decrease in DDT concentration.

A number of samples taken directly from the Montrose

discharge sewer itself before it enters the District 5 Interceptor have been analyzed. Table 7 summarizes the data. While the concentration has been quite variable, the composition has been fairly constant, averaging 74% DDT, 5% DDD, and 21% DDE.

Data from the sewer samples taken at the beginning of the program downstream of Montrose indicated about the same breakdown in relative percentages of DDT, DDD, and DDE as exist in the Montrose discharge itself. However, more recent samples have shown a marked change in the composition of samples at the same sewer locations. While the Montrose discharge is typically 74% DDT, 5% DDD, and 21% DDE, recent samples from sampling locations further downstream (Stations 6 and 61) have averaged 14% DDT, 48% DDD, and 38% DDE. The significantly higher percentages of DDD and DDE than found in the Montrose discharge itself indicate that the original DDT has probably been degraded and is now present in the sediments, mostly as DDD and DDE. In addition, Stations 6 and 61 showed even greater quantities (pounds per day) than Stations 5 and 5A located just downstream of Montrose.

On December 2, 1970, sediment samples were taken at Stations 5 and 5A. The total DDT concentrations were 107 ppm for the sediment at Station 5A, and 44 ppm for the sediment at Station 5.

Investigations to date by Sanitation District industrial waste inspectors have not located any other sources of DDT in

TABLE 7

MONTROSE CHEMICAL EFFLUENT SAMPLES
(24 Hour Composites)

DATE 1970	TOTAL DDT ppb	FLOW GPD	TOTAL DDT LBS/Day	DDT %	DDD %	DDE %
Aug. 14	1,400	-	-	62	3	35
Sept. 29	970	-	-	73	4	23
Oct. 7	410	42,500[a]	0.14	70	7	24
Oct. 19	95	72 hour composite		84	6	9
Oct. 29	1,920	9 hour composite		78	5	17
Nov. 12	18,600	13,600[b]	2.08	72	5	23
Nov. 24	2,400	18,700[c]	0.37	82	5	13
			Average	74	5	21

a. 90° V-Notch Weir Used

b. Water Meter Reading

c. Average Water Meter Reading for 19 Day Period from Nov. 12 to Dec. 1.

Revised 2/2/71

the District 5 or JO "D" systems. It is now thought possible that the source of the higher than expected total DDT levels at Stations 6 and 61 could be sediments in the sewers. Since pesticides are concentrated in particulate matter and grease, it may be that sediment and grease in the sewers are acting as a pesticide reservoir. The sediments are usually moved along during periods of turbulent flow, eventually reaching JWPCP.

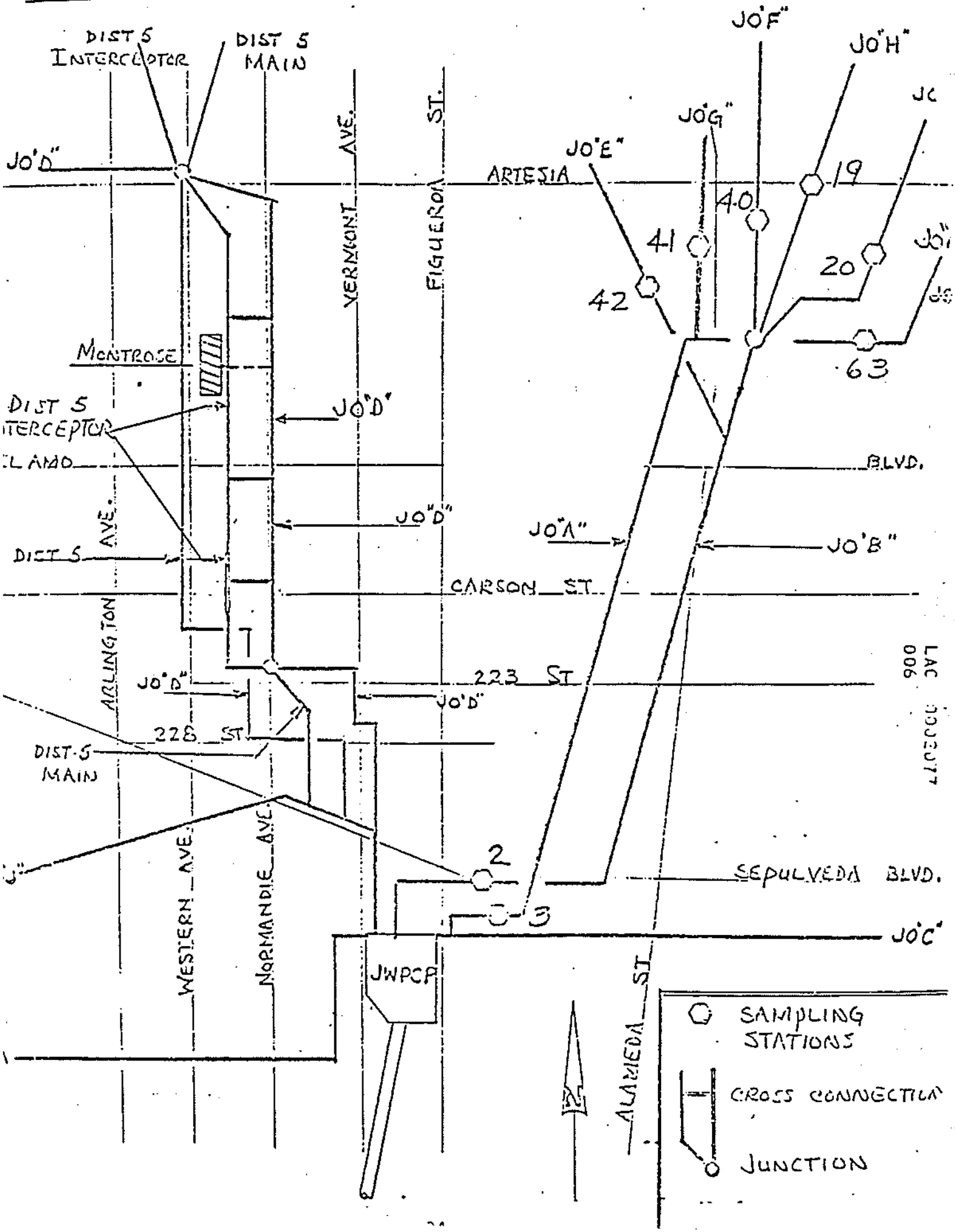
J.O. "A" and J.O. "B" Systems

The initial trunk sewer survey showed that relatively high concentrations of pesticides were also present in the south end of the JO "B" system in Carson, District 8 (see Figure 6). Data from March 30, 1970, showed over 400 pounds per day total chlorinated hydrocarbon pesticides at a sampling station about one mile from JWPCP. Total DDT, two thirds of which was DDE, accounted for 98%. Data for JO "A" on the same day showed only about 5 pounds per day of total pesticides.

Samples were obtained from the sewers tributary to JO "A" and JO "B" on May 26, 1970, and June 23, 1970. The total inputs from lines tributary to JO "B" about six miles north of JWPCP were considerably less than the JO "B" sample near JWPCP. The samples were not obtained on the same days and the total near JWPCP was suspected as being high.

A more detailed sampling program was begun. Eight sampling stations were established (see Figure 8). Six hour composite samples were taken at each station on Oct. 27, 1970 and 24 hour composite samples were obtained on Dec. 15, 1970.

SAMPLING STATIONS - J.O.A. - J.O. B



LAC 006

The JO "A" and JO "B" systems each showed low concentrations of both chlorinated hydrocarbon pesticides and total DDT. These results were obtained from limited sampling and further sampling is scheduled to verify the data. Results of the two sets of samples are presented in Tables 8 and 9.

Ocean

In order to estimate what happens to pesticides contained in wastewaters after reaching the marine environment, a limited sampling of ocean water, bottom sediments and marine organisms has been conducted. A great deal more sampling is required to verify the preliminary data and to determine the extent of the effects which have been observed.

Water Samples:

Samples were first collected on July 15, 1970, over the 90" outfall at the surface and at 140' depth and over the 120" outfall at the surface and at 105' depth. In addition, a control surface sample was taken 3 miles offshore. Unfortunately, it was determined by subsequent measurements that the control sample actually contained nearshore water due to extensive upwelling and offshore movement of nearshore surface waters. The pesticide data for these samples are shown in Table 10.

A second set of samples was collected on July 23, 1970, between the 90" and 120" outfalls comprising a vertical profile from the surface to a depth of 200 ft. Results are shown in Table 11.

TABLE 8

CHLORINATED HYDROCARBON PESTICIDES
JO A - JO B SYSTEM

OCTOBER 27, 1970

SIX HOUR COMPOSITES

STATION	FLOW MGD	TOTAL CHLORINATED HYDROCARBON PESTICIDE ppb	LBS/Day	TOTAL DDT ppb	LBS/Day
		J.O. "A"			
41	13	6.2	0.7	5.2	0.6
63	28	5.7	1.3	4.0	0.9
	41		2.0		1.5
3	60	10.0	5.0	9.2	4.6
		J.O. "B"			
19	75	11.5	7.2	7.7	4.8
20	40	6.3	2.1	4.9	1.6
40	21	7.6	1.3	5.6	1.0
42	29	13.6	3.3	9.9	2.4
	165		13.9		9.8
2	202	21.3	35.9	15.7	26.4

TABLE 9

CHLORINATED HYDROCARBON PESTICIDES
JO A - JO B SYSTEM

DECEMBER 15, 1970

24 HOUR COMPOSITE SAMPLES

STATION	FLOW MGD	TOTAL CHLORINATED HYDROCARBON PESTICIDES ppb	LBS/Day	TOTAL DDT ppb	LBS/Day
41	13	6.0	0.6	5.5	0.6
63	27	5.4	1.2	4.7	1.1
	40		1.8		1.7
3	46	3.6	1.4	3.2	1.2
19	74	5.8	3.6	4.2	2.6
20	50	7.7	3.2	6.0	2.5
40	28	1.3	0.3	1.2	0.3
42	30	1.0	0.2	0.8	0.2
	182		7.3		5.6
2	193	7.3	11.8	2.8	4.5

TABLE 10

OCEAN WATER PESTICIDES
SELECTED LOCATIONS

Sample	Chlorinated Hydrocarbon Pesticides (ppb)	DDT Series (ppb)
Control - 3 mi. Offshore	0.15	0.13
Over 90" Outfall - Surface	0.069	0.045
Over 90" Outfall - 140' Depth	0.15	0.13
Over 120" Outfall - Surface	0.094	0.077
Over 120" Outfall - 105' Depth	0.047	0.035

Note:

1. Control sample subsequently determined to contain nearshore water.
2. Samples collected July 15, 1970.

TABLE 11

OCEAN WATER PESTICIDES
VERTICAL PROFILE

Depth	Chlorinated Hydrocarbon Pesticides (ppb)	DDT Series (ppb)
Surface	0.042	0.042
25'	0.015	0.015
75'	0.040	0.033
150'	0.15	0.15
200'	0.23	0.22

Notes

Samples collected between 90" and 120" outfalls

Sediment Samples:

Samples of sediment were collected and analyzed on November 10 and 24, and December 5, 1969, and on January 13, 1970. Since these samples were analyzed when the analytical techniques were still being developed additional samples are now being obtained to verify these data.

One set of samples was collected on a line proceeding seaward from the diffuser of the 90" outfall (see Figure 9 and Table 12). One of the 600' depth samples (D) contained a heavier concentration of fecal pellets and almost twice the total concentration of pesticides of sample (C) collected at the same depth. An even higher concentration of pesticides was obtained in sample (F) at a 600' depth but further west of the outfalls.

The other set of sediment samples was obtained from 6 sample stations along the coast at the depth of the diffusers (see Figure 9 and Table 13). The data vary from the extremely low values for the sands of the San Pedro Shelf east of a submarine canyon (Station 26) to the high values west of the outfalls (Stations 2, 3 and 5). According to a previous survey of sediments along the coast, sampling Station 6 off of Pt. Vicente has much lower organic nitrogen in its deposits than do stations around the outfalls, but pesticide concentrations were over half those at Station 2, between the diffusers of the 90" and 120" outfalls, for the top 1".

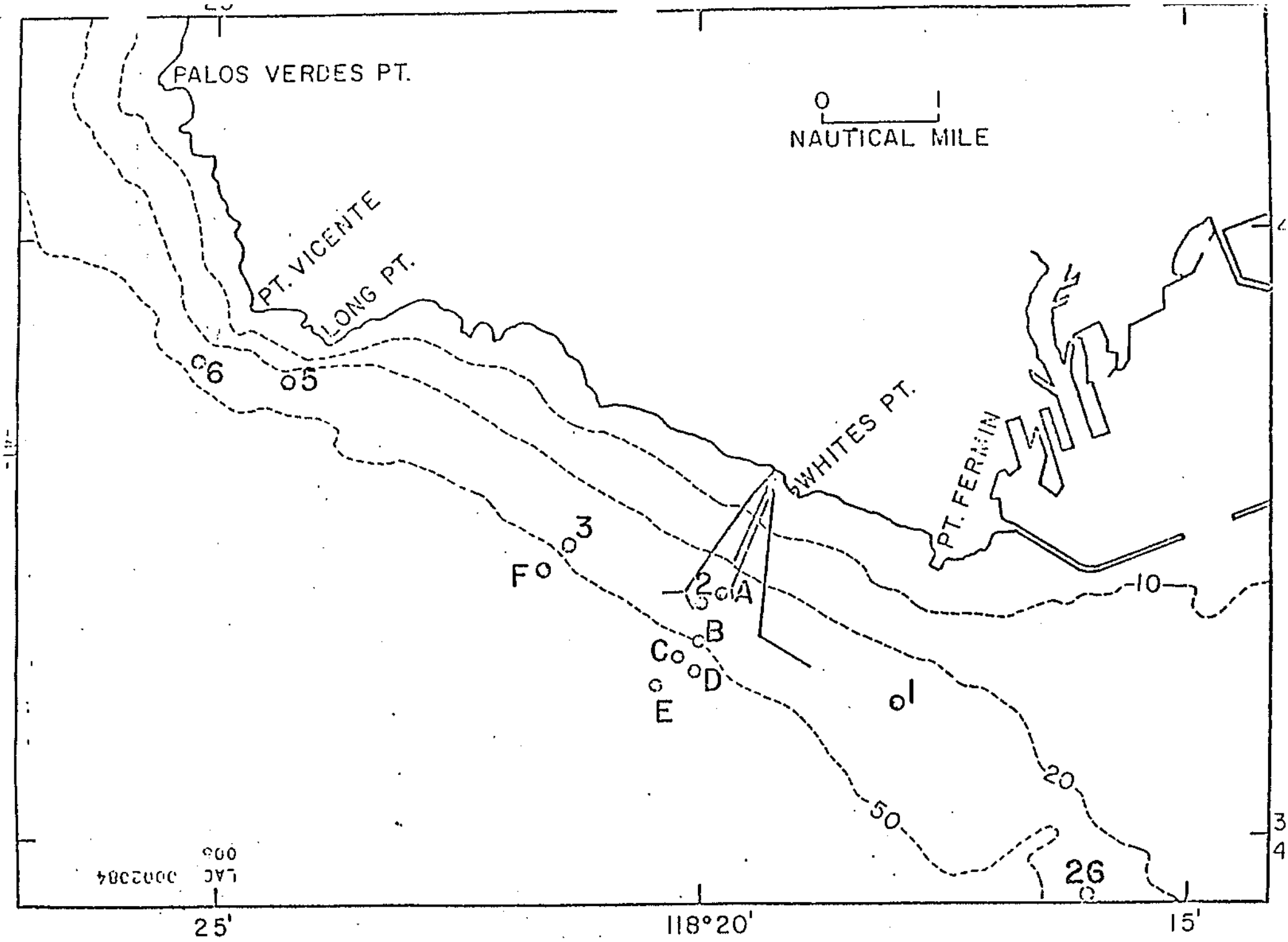

PALOS VERDES PT.
0
1
NAUTICAL MILE
PT. VICENTE
LONG PT.
WHITES PT.
PT. FERMIN
6
5
3
F
2
A
B
C
D
E
1
10
20
50
26
25'
118°20'
15'
34

TABLE 12

OCEAN SEDIMENTS

Sample	Chlorinated Hydrocarbon Pesticides (ppm)
A - 200' Depth	210
B - 500' Depth	47
C - 600' Depth	46
D - 600' Depth	79
E - 1200' Depth	18
F - 600' Depth	109

Notes:

1. Refer to Figure 9 for sample locations.
2. Sample collected Jan. 13, 1970
3. Chlorinated hydrocarbon pesticides comprised almost entirely of DDT series.

TABLE 13

OCEAN SEDIMENTS

Sample	Chlorinated Hydrocarbon Pesticides (ppb)		
1	16,000 (1")	750 (3")	28 (6")
2	69,000 (1")	760 (4")	120 (7")
3	80,000 (1")	16,000 (4")	150 (8")
5	72,000 (1")	3,700 (3")	47 (6")
6	48,000 (1")	2,000 (3")	310 (6")
26	170 (Entire core - about 2")		

Notes:

1. See Figure 9 for sample locations

2. Samples 1, 2 and 3 collected Nov. 24, 1969; samples 5 and 6 collected Dec. 5, 1970; Sample 26 collected Nov. 10, 1970.

3. Numbers in parentheses ( ) next to concentration indicate depth of core sample at which a 1/2" to 1" section was analyzed.

LAC 000215

Organisms:

Samples of marine organisms collected off the Palos Verdes Peninsula coast on July 23, 1970, were analyzed for chlorinated hydrocarbon pesticides. Based on this limited sampling, it appears that DDT in the sediments is being introduced into the food chain supplying fish. Highest concentrations were found in large worms collected among bottom sediments. Smaller worms had lower concentrations and are believed to be eaten by the larger worms. A clam, a sea hare, a young octopus and snail eggs all had concentrations between 1 and 3 ppm total DDT. The flesh of 2 dover sole had concentrations of 6 and 7.4 ppm total DDT. The flesh of a 7-11 perch had about 2.5 ppm total DDT whereas the flesh of a yellow perch contained almost 13 ppm of total DDT. The flesh of a shark, however, had less than 0.4 ppm DDT series.

A great many more samples need to be analyzed before a reliable description of the occurrence and distribution of pesticides in marine organisms can be developed. It is even more difficult to show the relationship between the concentrations of pesticides in free swimming fish caught near the outfalls and the concentrations in wastewater, since so little is known about the migratory habits and food sources of individual fish.

In the discussion of the laboratory procedures used to analyze for chlorinated hydrocarbon pesticides it was noted that two PCB's, Aroclor 1242 and Aroclor 1254, were included in laboratory analyses beginning in September 1970. One reason for their inclusion was related to the chromatographic interference in the analysis for chlorinated hydrocarbon pesticides, but, at the same time, data are now being obtained on PCB's which, while not a pesticide, may produce toxic effects.

Inland Treatment Plants

No data are presently available for PCB concentrations in the inland treatment plants. Samples will be obtained for PCB analyses in the near future.

JWPCP

Influent PCB concentrations at JWPCP since September have averaged 12 ppb for the effluent from Grit Chambers 1 and 2, while usually none was detected in the effluent from Grit Chambers 3 and 4. However, it is felt that some PCB's should be present in the effluent from Grit Chambers 3 and 4 because PCB's have been reported in the primary effluent from the sedimentation tanks fed by the effluent from Grit Chambers 3 and 4. The reason for this discrepancy is not yet known.

Samples of primary effluent have averaged 11 ppb of PCB. The pesticide analyses that were performed on primary effluent samples to determine the insoluble pesticide fraction also demonstrated that PCB's are more soluble than chlorinated hydrocarbon pesticides. While 85% of the total chlorinated hydrocarbon pesticides were insoluble only 70% of the PCB's were insoluble.

No PCB's have been detected in the synthesized effluent and centrate mixture. Again, this is unexpected since PCB's have been detected in both the primary effluent and the centrate.

Sources of Polychlorinated Biphenyls

No specific attempts have been made to locate sources of PCB's in the sewage collection system, but some limited data are available as a result of the program to identify and control major sources of chlorinated hydrocarbon pesticides.

Since September 1970, PCB's have been detected only in the JO "A" and JO "B" systems. Table 14 shows the results of sampling on October 27 and December 15. Refer to Figure 8 for the sampling station locations.

LAC 006

TABLE 14

POLYCHLORINATED BIPHENYLS (PCB)
JO A - JO B SYSTEMS

STATION	OCTOBER 27, 1970 TOTAL PCB[a] ppb	LBS/Day	DECEMBER 15, 1970 TOTAL PCB[b] ppb	LBS/Day
		JO A		
41	5.2	0.6	ND[c]	--
63	9.0	2.1	ND	--
		2.7		--
3	9.9	5.0	7.3	2.8
		JO B		
19	24.3	15.2	5.4	3.3
20	9.2	3.1	11.7	4.9
40	20.2	3.5	2.6	0.6
42	21.6	5.2	4.2	1.0
		27.0		9.8
2	26.4	44.5	8.3	13.4

a. Aroclor 1242 only

b. Aroclor 1254 only

c. None detected

LAC 0002190
005

HEAVY METALS

JWPCP

Beginning in April 1970, a routine monthly sampling program was initiated at the Whites Point manifold structure for heavy metals determinations. As previously explained, the sampling location was later found to contain a disproportionately high quantity of centrate. Tests were conducted in December 1970 in an attempt to relate data obtained at the Whites Point manifold structure with those obtained by compositing the primary effluent and centrate at JWPCP. No valid comparisons could be drawn and all previous data on heavy metals obtained at the manifold structure are considered erroneous and have been disregarded.

Heavy metals data are now being obtained from samples obtained at JWPCP on the synthesized sample of centrate and primary effluent composited according to their respective flows. Daily data for a one week period during December 1970 are shown in Table 15. At the time these data were obtained, the Sanitation Districts' laboratory was not performing mercury analyses. Since January 4, 1971, mercury analyses are being performed on a routine basis.

Sewage Collection System

Analyses for heavy metals, including mercury, are now being performed on samples obtained from the sewage collection system as part of the chlorinated hydrocarbon monitoring program. Sufficient data are not yet available to indicate concentrations patterns throughout the system but such data should be available within the next several months.

HEAV. METALS

Joint Water Pollution Control Plant

Final Effluent, 24 hour Composite
8:00 a.m. to 8:00 a.m. on Dates Indicated

Volumetrically Composited Mixture of Primary Effluent and Centrate

CONSTITUENT	12/13-14/70		12/14-15/70		12/15-16/70		12/16-17/70		12/17-18/70		MEAN	
	Total	Soluble	Total	Soluble	Total	Soluble	Total	Soluble	Total	Soluble	Total	Solubl
Cadmium, mg/l Cd	0.02	0.01	0.03	0.01	0.04	0.01	0.04	0.01	0.03	0.01	0.03	0.01
T. Chromium, mg/l Cr	0.90	0.02	1.15	0.04	1.04	0.04	1.22	0.05	1.24	0.05	1.11	0.04
Copper, mg/l Cu	0.40	0.02	0.41	0.02	0.58	0.03	0.58	0.03	0.53	0.02	0.50	0.02
Iron, mg/l Fe	11.8	0.14	14.4	0.17	16.8	0.44	14.8	0.47	17.2	0.38	15.0	0.32
Lead, mg/l Pb	0.43	0.14	0.50	0.12	0.48	0.13	0.44	0.11	0.40	0.12	0.45	0.12
Manganese, mg/l Mn	0.11	0.05	0.13	0.04	0.17	0.08	0.12	0.05	0.12	0.05	0.13	0.05
Nickel, mg/l Ni	0.09	0.05	0.28	0.17	0.38	0.33	0.27	0.19	0.29	0.18	0.26	0.18
Silver, mg/l Ag	0.03	0.02	0.05	0.02	0.04	0.02	0.03	0.02	0.04	0.02	0.04	0.02
Zinc, mg/l Zn	1.83	0.09	2.23	0.11	2.52	0.10	2.64	0.09	4.44	0.12	2.40	0.10

Mercury

In July and August 1970, samples were collected from the ocean, JWPCP, and inland treatment plants for mercury analyses performed by Gulf General Atomic in San Diego. Three of the samples were also analyzed by the FWQA laboratory in Alameda, California. Results of the analyses by both laboratories are shown in Table 16.

The parallel samples analyzed by FWQA produced widely divergent results for two of the samples. The Gulf General Atomic analyses showed that effluent from the Pomona and Los Coyotes Water Renovation Plants contained higher mercury concentrations than the influent, an improbable result. It is apparent that the data show sufficient inconsistencies as to warrant caution in their use.

Although a sample was not taken of the JWPCP primary effluent combined with centrate, each of the two flow streams was analyzed separately. The combined streams would probably contain about five or six ppb mercury, based on assumed flows of 370 MGD for the primary effluent and 2 MGD for the centrate.

TABLE 16

MERCURY (ppb)

Sample	Gulf General Atomic (Neutron Activation)	FWQA (Flameless Atomic Absorption)
1. Pomona WRP Influent	5.6	
2. Pomona WRP Secondary Effluent	12.6	
3. Whittier Narrows WRP Secondary Effluent	2.5	
4. Los Coyotes WRP Influent	8.0	
5. Los Coyotes WRP Primary Effluent	4.5	
6. Los Coyotes WRP Secondary Effluent	9.2	
7. JWPCP Primary Effluent	3.8	
8. JWPCP Primary Effluent	4.8	4.1,4.8
9. JWPCP Centrate	236	230,110
10. Ocean Sediment Near Diffusers	1555	4300,620

Notes:

1. Samples 1-7 collected Aug. 4, 1970 (24-hr. composites)
2. Samples 8,9 collected July 16, 1970 (24-hr. composites)
3. Sample 10 collected July 16, 1970 (Grab)

LAC 0002074
035

INSPECTION RECORD

DATE	BY	REMARKS
6-13-[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
12/10/68	[illegible]	[illegible] 3/11/69 [illegible] H 9.5
9-5-69	COTTER	KALLOK - SHOWED ME AROUND - PH ON ALKALINE SIDE - ASK HIM TO HAVE CHARTS EACH MONTH - PICKED UP ARTICLES - STUDIES ON DDT
9-17-69	COTTER	BRATTER BROKE CORR. BAR IN DROP M/H - CITY WIDE TO REPLACE 9-18-69 WITH CAST IRON BAR - INSTALLED PER TRIPP 9-18
9-15-69	TRIPP DUPCHIN	pH 11.0 CONCRETE CORROSION BAR - PURPLE, CORRODED TO SO TAPER - REPLACE ROPE
10-16-69	COTTER	RE-DUMPING DRAINAGE & PROCESSES - WILL SEND US NEW PROCESS SHEET & DRAINAGE MAP IN A COUPLE MONTHS
12-8-69	COTTER	PER KALLOCK TALKED TO BRATTER - HE DIDN'T KNOW ANYTHING ABOUT CHANGES AND COULDN'T LOCATE KALLOCK - WILL CALL KALLOCK LATER
1-2-70	RAYVIS DUPCHIN	C.W. pH 10.0 + CORR. BAR - NO CORR. PURPLE GREASE
3-[illegible]-70	DALTON COTTER	KALLOCK WILL GET WE PLOT PLAN FOR SETTLING PIT - SETTLES OUT SALTS - LARGE WATER REGEN. UNIT - BOILER BLOWDOWN

INSPECTION RECORD

DATE	BY	REMARKS:
3-11-70	COTTER	MONO CHLORO BENEZINE LEAKING TO SEWER. KALLOCK WILL TRACE DOWN. - LEFT 64.31 APP. FOR SETTLING PIT FOR (25)
3-4-70	DUPCHIN NC	CAUSTIC WASTE FOR SETTLING HEAVY SALTS SODOL 7.0 ph - CORR BAR - RED
4-1-70	NC	WATER pH 6.0 + SULPHUR pH 3.0 LYING IN DRAIN DIT. — LARGE DRYING BED FOR SLUDGE FROM REACTOR TOWERS IN BACK OF PROP. (26)
4-6-70	NC+JCE	SMALL POND IN THE BACK OF PROP. IS MONO CHLORO BENE. TARS - LARGE POND IS OVERFLOW FROM POND BY NEW TANKS - SOBLEMAN WILL CONTACT PAC. SOILS ENG. FOR CORING (27)
4-27-70	NC	SMALL POND IN REAR IS FILLED IN - LARGE POND HAS BEEN PUMPED OUT - LEFT CLAR. DRAWING FOR STEAM CLEAN - STILL LOSING MONO CHL. BEN. - LOOKS LIKE CONN. TO SEW. WITH STEAM CLN. WOULD NOT BE TO DIFFICULT - (28)
5-4-70	NC	KALLOCK WILL GET HAULERS REPORTS BRATTER & KALLOCK - WATCH GRASS ON TANK OF MONO CHL. BENE BROKE EARLY THIS MORNING AND LET SOME GO TO THE SEWER - WILL INSTALL SUMP AS A PRECAUTION - BACK PIT IS ALMOST DRY - RECEIVED INFO. ON DDT FOR DETZ'S SURVEY - HAULERS REPORT

INSPECTION RECORD

DATE	BY	REMARKS:
5-6-70	NC	KALLOCK - TOLD HIM WAS UNABLE TO FIND OUT WHAT STATE LIMIT FOR D.D.T. WILL BE - HAVE 178 EMPLOYEES NOW VARIES 150 → 200 EMP.
5-27-70	DUPCHIN RAYVIS	8.5 - NO CORROSION ON BAR - GREASE
6-23-70	NC	PER - KALLOCK - POND IS NOT IN USE NOW - IS BEING PUMPED OUT - WASTE IS GOING TO A CLASS I COUNTY DUMP - DUPCHIN MYERS & THE FEDERAL WATER POL. BOARD - MONTELLO HAS WORKING TO MAKE PLANT A MODEL PLANT FOR DDT MAN. WITH WASTE TO THE SEWER - PIT WON'T BE USED IN THE RE-MODELING - IF IT IS WILL HAVE TO BE LINED AS IT IS ON THE LINE - NO WRITTEN REPORT FROM PAC. SOILS ENG. YET
7-21-70	NC	BRATTER - NO MERCURY USED IN MONTROSE EXCEPT THERMO. WILL LOOK IN HIS FILES & TRY TO DIG UP SOME INFO
7-23-70	RAYVIS	9.0 - NO CORROSION - WHITE COATING - HEAVY FUMES
7-29-70	NC	DOM. WATER CO. SUPPLIES ALL PROCESS WATER - W&P ONLY FIRE SERVICE - 80% OF WATER GOES TO SEWER
10-12-70	NC	CK. FOR DDT PICKED UP MAIN SEW. M/H SAMPLES W/ CHAMBERS

INSPECTION RECORD

DATE	BY	REMARKS:
10-12-70	NC	C.W. INSTALLED 2 AUTO SAMPLERS IN MEN. M/H FOR 3 DY. COMP. SAM. - STATE SENDS THEIRS TO SACRAMENTO FISH & GAME LAB.
		C.W HAS COUNTY RUN THEIRS - MONT. ALSO TESTING MANY [illegible] THE ONLY WASTE TO SEWER IS BOILER B.D. WATER SOFT.
		TOILETS & LABORTORY - ALL OTHER WASTE IS HAULED BY C&C INC. NEUTR. PIT HAS STAND PIPE ON SEWER CON. SO BEFORE WASTE WOULD GOE TO SEW. IT WOULD BACK UP IN PIT.
10-27-70	NC	SAM.S WERE COMPLETED & SENT FOR TESTING
11-2-70	NC	KALLOK & BRATTER HAVEN'T BEEN ABLE TO GET INFO. TOGETHER - THEY WILL CALL BUSH - THEY HAVE UNTILL THE 20TH TO ANSWER
	DUPCHIN	CHARGES ON LAWSUIT - COURTS MIGHT REQUEST OUR FILES!
12-12-70	NC	TOOK ONE 3-GT SAM. pH 7.0 ST*R - LARGE FLOW 100 BAL C&O TRUCK WAS LEAVING WHEN I CAME IN
2-[illegible]-71	NC+JT	LESS THAN 30 GPM TO SEW. [illegible]
7-1-71	DaHow	TO APPLY FOR REVISED PERMIT. Will Bond w Kallock
3-23-71	NC	[illegible] PLANS WILL BE SENT TO US.

	BY	REMARKS: L. R. DONK 321-2340 3238031
		EFF. IS FROM CONCRETE [illegible] - WASH. OF SYN. KIERKE - REGULOR [illegible] FROM [illegible] - STYCONE - [illegible] - [illegible] TO DRAINAGE [illegible] SURFACE DRAINS
[illegible]-70	NC+RPD	
1-[illegible]-70	NC [illegible]	TOOK TOUR OF [illegible] AREA - RAIN RUN OFF - [illegible] [illegible] 15DC GPM CAP. PUT [illegible]
		DONKLE WILL GET [illegible] & SEND TO US
9-[illegible]	[illegible]	[illegible]
9-21-70	"	EVERYTHING OK - NO [illegible] - FLOW DOWN TO ABOUT [illegible]
5/1/70	"	WILL BE [illegible] - [illegible]
10-14-72	CT	To be [illegible] by Oct 15 - [illegible]
10-17-72	CT	[illegible]
10-19-72	CT	[illegible]
	INITIALS	

INSPECTION RECORD

DATE	BY	REMARKS: [X] [X]
5-[illegible]-70	[illegible]	[illegible]
5-18-70	N.C.	" " " - LEFT WORD WHAT WE NEED FOR EQUIPMENT
5-21-70	NC	FITZGERALD - HE'LL GET THE CURRENT WATER CONSUM. [illegible] SALE USED IN EACH PROCESS.
		125,250 g.p.month - 9-HL DY - 5 DYS - 21 EMPLOYEES
		OUT OF 2000 g.pd. 2850 IS I.W. - JONES TAPE MONTROSE H.O
		FOR JUST THE HEADS
		DOM. H_2O CO. DEC 17,100 CU.FT., FEB 17,700 CU.FT. APR. 15,500 CU FT
		50% OF THE WATER GOES OUT WITH THE PRODUCT -
10-22-70	NC	PIT WAS NOT PUMPED DURING SAMPLING AT MONTROSE - PUMP.
		APP. EVERY 10 DAYS - 1200 gal CAP. - SUMP HAD A LOT OF
		SOLIDS IN IT.
5-22-71	NC	[illegible] - W. FR. JONES WAS GOING TO PUT
		SEW. HOD - 600 g. PER WK - DURTHICK & SUNGER ARE TRYING TO
		DECIDE WHETHER TO BUILD AN 18000 SEWER TO NORM. FOR
		THEMSELVES
5-26-71	NC	CANCELL - ALL I.W. HAULED TO MONTROSE RE-CIR. POND FROM
		PIT
	INITIALS	

(29)

(30)

INSPECTION RECORD

DATE	BY	REMARKS: L R Donkle
6/25/69	JCE+JW	Re: New Conc & Sewer in Norm. ?
8-6-69	JCE+NAC	
3-1-70	NC+RPD	PROJECT TO ELIMINATE WASTE EXCEPT YARD DRAINAGE
		& COOLING H2O TO DOM. CH. WILL BE COMPLETED BY
		JULY 1, 1970
9-[illegible]-71	DC MAN	NO CONTROL [illegible] - Reed [illegible] - This Flow to Dom Ch. P.D. ID
9-[illegible]-71	DC MAN	All Slow Down Slowing Going Off
9-29-72	CT	Sent [illegible] - [illegible]
	INITIALS	

SFUND RECORDS CTR
0639-93420

(31)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
POST OFFICE BOX 147
TORRANCE, CALIFORNIA 90507

July 27, 1971

LW 8427 (5/53)

Mr. Joe C. Engesser
City of Los Angeles
Department of Public Works
Bureau of Sanitation, Industrial Waste Section
Room 603, 638 Beacon Street
San Pedro, California

Dear Mr. Engesser:

Enclosed are the new applications for revised industrial waste permit and the invoice we received for this year. I understand that our permit will be revised and the invoice will be modified to reflect the new fee. *

Thank you for your assistance.

Yours very truly,

John L. Kallok

John L. Kallok

JLK:mb

* OK'd per phone conversation with Sheridan 7/2/71 & K. Terry to instruct Accts to accept $35 fee chgs II JUL 71 B

Was Class 3 - Note - Change Mam of file card

[illegible]

[illegible] 5-21-73

[illegible]

[illegible] (x) Class Change [illegible] Mailing Address Change

#7 chg

[illegible] Address Change (x) Other Reg Treatment + Facility change

8427

[illegible] 5/53 Date of Change 1 Class 20201 S. Normandie Ave The Allation Address

Torrance City 90507 Zip Code

Montrose Chemical Corp of Cal. [illegible] P.O. BOX 147 Mailing Address

Torrance City 90507 Zip Code

3 [illegible] 73- Water Soft Backwash + 75- Boiler Blowdown [illegible] Producing Processes

C2 [illegible] 19- Special Size (1cc blowdown pit) Inspection Facility

5 [illegible] 1 [illegible] Number [illegible] 026 Ind. Class

Carl Tripp [illegible] JOE C. ENGESSER Senior Inspector Principal Inspector

Entered 5-25-73 HARBOR DISTRICT

SFUND RECORDS CTR
0639-93844

Was class 3 - Note - Change Mam of file card

[illegible]

[illegible] 5-21-73

[illegible]

[illegible] (X) Class Change [illegible] Mailing Address Change

#7 chg

[illegible] Address Change (X) Other Reg. Treatment + Facility change

8427

[illegible] 5/53 1 20201 S. Normandie Ave

[illegible] Date of Issue Class Installation Address

Torrance 90507

City Zip Code

Montrose Chemical Corp of Cal. P.O. BOX 147

[illegible] Mailing Address

Torrance 90507

City Zip Code

3 [illegible] 73- Water Soft Backwash + 75- Boiler Blowdown

[illegible] Producing Processes

C2 19- Special Size (1cc blowdown pit)

[illegible] Inspection Facility

5 1 026

[illegible] Ind. Class

[illegible] Tripp JOE C. ENGESSER

[illegible] Senior Inspector Principal Inspector

Entered 5-25-73 HARBOR DISTRICT

Form 1101—100 Pads—11-67 (G 39, 40)

APPLICATION FOR REVISED PERMIT - NO FEE REQUIRED
EXISTING PERMIT W- 8427 (6/53)

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION
INDUSTRIAL WASTE CONTROL SECTION

PHONE
624-5211
Ext. 1253

APPLICATION FOR INDUSTRIAL WASTE PERMIT

See Reverse Side for Fee Schedule
(Submit in Duplicate)

8427
W-Number

SFUND RECORDS CTR
0639-93447

1. Firm Name: MONTROSE CHEM. CORP.
2. Type of Business: Chemical MANUFACTURE (25) SP52 565 (PHONE)
3. Installation Address: 20201 S. NORMANDIE TORRANCE 90507 (NUMBER & STREET / ZIP CODE)
4. Mailing Address: P.O. BOX 147 TORRANCE CA. 90507 (NUMBER & STREET / CITY / STATE / ZIP CODE)
5. Processes Involved: 1. Boiler blowdown water 2. Water softener regeneration & backwash 3. Sanitary waste - Total of above 5000 gpd.
6. Chemical and physical characteristics of waste discharge: (1) Boiler blowdown is alkaline with a high solids contentent (2) Water softener backwash is salty (NaCl) and some solids - (3) Sanitary waste is from the rest rooms
7. Name of Applicant or Representative of Firm John L. KALLOK (PLEASE PRINT)

Signature: John L. Kallok Date 7/22/71

(OVER) DO NOT WRITE BELOW THIS LINE (OVER)

NC

8. Size and location of sewer, S.D. or other: 57" County Sewer in R.R. Rite of way
9. Waste Processes: (73) (70) ( ) ( ) ( ) Water Softener Regen. Boiler B.D.
10. Required Treatment: (01) ( ) ( ) Acc'd to Plumbing
11. Required Treatment Facility: (01) ( ) ( ) Acc'd to Plumbing
12. Additional Information: Have a 3000 gal Surge tank to accomadate Boiler B.D. & water softeners B.D. & H2O softeners - first go to Surge tank then pumped to sewer.

ENTERED 5/53
RE-LOG

13. Submitted by Inspector: R.P. Dalton Date: 7/30/71
14. Recommended by Senior Inspector: JOE C. ENGESSER Date: 7/30/70
15. Approved by Principal Inspector: Date:

DO NOT WRITE IN THIS SPACE

New
Revision
Change of Ownership
Sewer 1
S.D.
Watercourse
Other
G. G.
Seats:
Grease Trap
Max. gpm
Total gpd 1500 (3)
Sec. 64.30
Sec. 64.31
Class 2
District 5

16. APPLICANT: A permit is issued subject to conditions shown hereon and is revocable at any time for non-compliance with the regulating provisions of the Los Angeles Municipal Code or any policy of the Board of Public Works adopted pursuant thereto.

HARBOR DISTRICT

(OVER)

SFUND RECORDS CTR
0639-93434

Form 17

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

OFFICE MEMORANDUM

TO FILE DATE 3-23, 1971

MONTROSE CHEMICAL

18" LINE FROM NEUTRALIZER PITS TO M/H BY LABORATORY WILL BE CEMENTED IN. BOILER B.D. + WATER SOFTNER BACK WASH WILL BE PUMPED VIA OVERHEAD LINE TO M/H 50' E. OF PITS. THIS IS CONN. TO M/H BY LAB. BY A 6" LINE. SANITARY WASTE INCLUDING JONE'S WILL GO TO A NOTTINGHAM CEPTIC TANK + BE PUMPED OVERHEAD TO SAME M/H AS BOILER WASTE. SCRUBBER WASTE FROM MONO CHLORO BENZINE WILL GO TO PIT S. SIDE OF PROP. BY R.R. SPUR & BE PUMPED TO MAIN RESERVOR FOR RE-CIR. COMPRESSOR COOLING WATER GOES THRU. 1000 GAL NOTTINGHAM TO PIT BY R.R. SPUR. LAB. WASTES ARE ALREADY COMPLETELY RE-CIR.

MOC

PESTICIDE SURVEY

0639@3886

John A. Redner

A new sewer sampling station numbering system is in use. All station numbers are referenced to the 1971 edition of Thomas Bros. Maps, Los Angeles County, Popular Street Atlas (Thomas Guide) which has sewer overlays and is on file with the Monitoring and Evaluation Section. A five digit station number is used which refers to the map page and quadrant in the Thomas Guide and the station number in that quadrant. For example, the sampling station at the north property line of Montrose Chemical on the District 5 Interceptor, which was previously Station 4, is now Station 68E2-2. It is the second sampling station in quadrant E2 on page 68 in the Monitoring and Evaluation Section's Thomas Guide.

JO "D" - District 5 Interceptor System

On May 12-13, 1971 a sewer sampling survey was made in the vicinity of Montrose Chemical to evaluate the effect that recleaning the District 5 Interceptor in this area has had. Sampling locations are shown in Figure 1. Three hour composites were obtained at each station to cover the 24 hour period. A summary of the results for each 8 hour period is present in Table I. It would appear that recleaning has improved the situation to some degree, but the results are not completely satisfactory. Through the first and second 8 hour sampling periods no net increase in total DDT was measured in the District 5 Interceptor between the upstream (68E2-2) and downstream (68E2-4) stations. However, during the third 8 hour sampling period a net increase of 34.3 lbs total DDT was measured. Sample results before recleaning showed a net increase of 59.1 lbs total DDT (Table I, April 1971 Monthly Report) in the District 5 Interceptor over the 24 hour sampling period, 61% of which or 36.3 lbs, occurred during the third 8 hour period. The significance of the increase in total DDT during the third 8 hour sampling period is not definite. Montrose Chemical's discharge, measured at less than 0.1 lbs for the entire 24 hour period, is not considered a source. During this time period, midnight till 8 A.M., the depth of flow in the line usually reaches a minimum. Therefore, it is considered possible that the sampler could be picking up more bottom material at this time (see May 14, 1971 sediment sample results below). The results on JO "D" are peculiar in that a net decrease in total DDT was measured during the second and third 8 hour sampling period. This has happened in the past and the reason for it is not known.

On May 14, 1971, a sewer sediment sampling was made on the JO "D" and the District 5 Interceptor between 171 Street and 220 Street. Where sediment was found, a grab sample was taken and analyzed for chlorinated hydrocarbons. The results are shown in Figure 2. It was estimated that 3 to 4 inches of sediment exists at those stations at which samples were obtained. Total DDT concentration ranged between 0.3% to 0.7% downstream of Montrose Chemical on the District 5 Interceptor and from 16.5% to 0.7% downstream of Montrose Chemical on JO "D". Hopefully, most of this material will be removed upon completion of the cleaning operation.

The sewer cleaning operation is still in progress (see Figure 3). Recleaning of both lines between Montrose Chemical and the siphon at 212th Street should be completed by the second week of June. A partial bulkhead at the cross-connection structure north of Torrance Blvd. is being used to force the sediment from the District 5 Interceptor into JO "D". As the sediment is moved through the siphon on JO "D" at 212th Street a backhoe will be used again to remove as much of the material as possible. Then JO "D" will be cleaned from Carson and Vermont to 220th Street on Vermont, and the District 5 Interceptor will be cleaned from Carson and Normandie to 220th Street and Vermont. By mid July, it is hoped that the cleaning operation will be completed.

JO "A" - JO "B" System

On April 20-21, 1971 and April 28-29, 1971 the pesticide surveys were coordinated with sewer quality sampling surveys for the Los Coyotes WRP expansion work. On April 20-21, 1971, sampling was done on the three influent sewers to Los Coyotes WRP. The average results over the 24 hour sampling period are shown in Figure 4. Flow measurements taken during the sampling run were in error because of the backup condition in the lines (Los Coyotes WRP discharging to JO F). Average flows obtained from dye measurements in January, 1971 were used.

On April 28-29, 1971, samples were taken in those lines being considered for supplying additional flow to Los Coyotes WRP. Figure 5 locates the sampling stations. Table II contains a summary of the results which are unusually high. Previous data for JO "H" and JO "B" indicated less than 10 lbs total DDT being contributed by this area to each line. Previous data also indicated between 10 and 40 lbs of PCB's possibly being contributed by this area to each line (JO "H" and JO "B"). No PCB's were detected on the April 28-29, 1971 sampling run and total DDT levels to JO "H" were measured at 170 lbs and in JO "B" total DDT was measured at 84 lbs. Resampling of this area is planned for the end of May.

Monitoring JWPCP

The influent and effluent at JWPCP has remained near the high levels reached during March (see Tables III, IV and V). Total DDT averages for April were: 29.1 ppb in effluent from Grit Chambers 1 and 2; 98.6 ppb in effluent from Grit Chambers 3 and 4; and 64.0 ppb (202 lbs/day) in the final effluent (primary effluent and centrate mixture). PCB detections were erratic. Total DDT levels are expected to remain near these levels until the cleaning operation is completed.

Special Studies

1. Mass Spectrometric Confirmation of Gas Chromatographic Results -

   (a) The Jet Propulsion Laboratory's Bioscience Section is still having instrument problems, and has not been able to successfully analyze any of the samples sent to them.

(b) West Coast Laboratories in Gardena have been contacted and have agreed to analyze three samples for us to determine if they can successfully do so. The results will be reported in next months report.

2. PCB Separation Research - Methods research to separate or eliminate the mutual interference of PCB's and DDT has begun. Six methods have been proposed:

(a) Separation by florisil column

(b) Separation by silicie acid and celite 545 mixed column.

(c) Fuming celite column for clean-up

(d) Low temperature nitration to destroy DDT

(e) Saponification by alcoholic KOH to alter DDT

(f) Long heating at elevated temperature to decompose DDT

Progress on this research will be reported in the weekly laboratory activities reports (see Laboratories Section of Monthly Report).

Respectfully submitted,

John A. Redner

John A. Redner

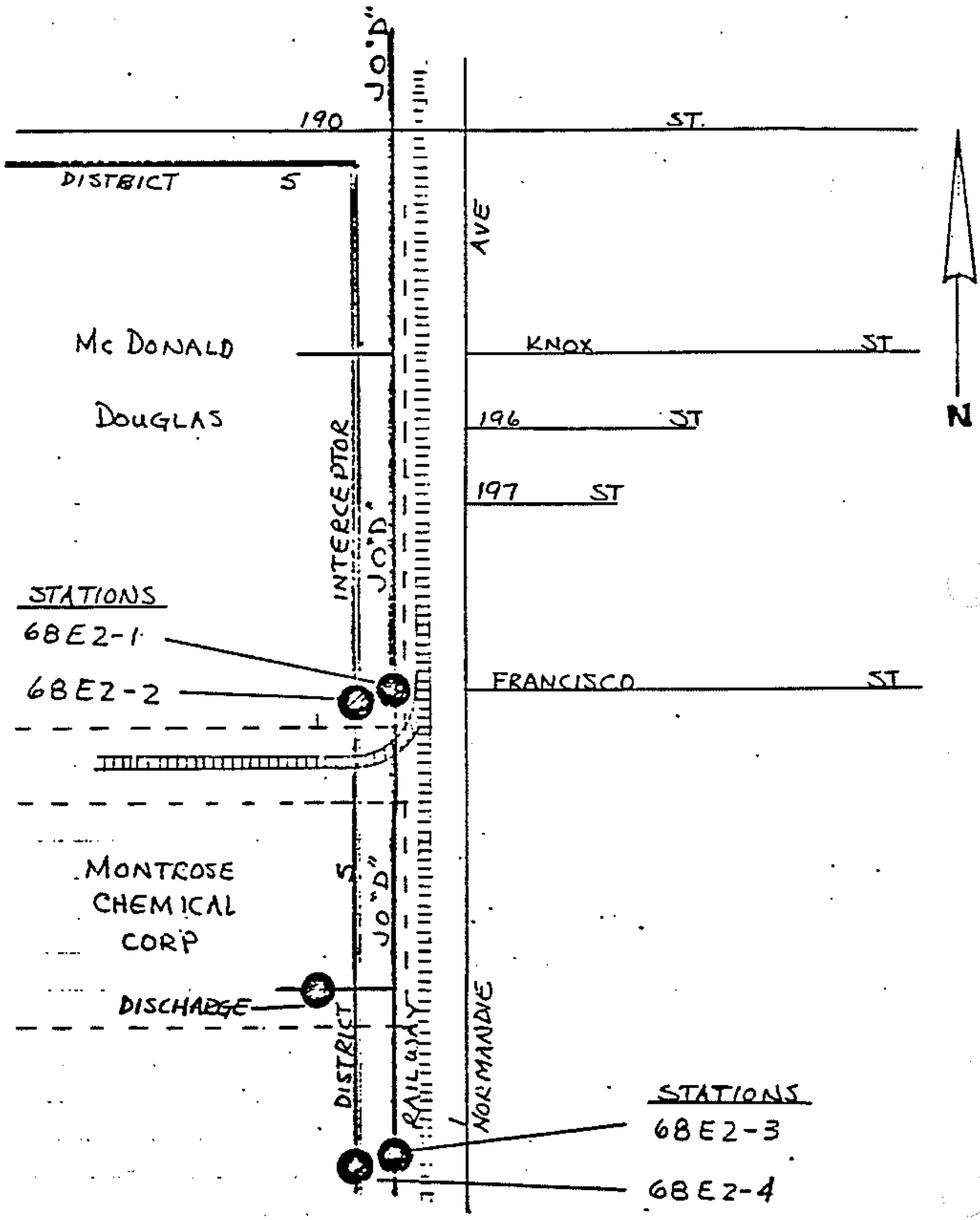
JO"D"- DISTRICT 5 INTERCEPTOR - VICINITY OF MONTROSE

DISTRICT Nº 5 A.F.E. Nº 1752

Prepared by REDNER

Checked by

FIGURE 1



NOT TO SCALE

SEWER SAMPLING SURVEY
MAY 12-13, 1971
JOB - DIST. 5 INT.

STATION	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES ppb	TOTAL CHLOR. HYDROCARBON PESTICIDES LBS/DAY	TOTAL DDT ppb	TOTAL DDT LBS/DAY	PERCENT COMPOSITION DDT pp'	DDT op'	DDD pp'	DDD op'	DDE pp'	DDE op'	TOTAL PCB ppb.	TOTAL PCB LBS/DAY	TOTAL CHLORINATED HYDROCARB ppb	LB
68E2-2	30.8	32.4	2.8	27.8	2.4	45	10	7	4	27	7		1st 8 hour sampling period 8am - 4pm		
68E2-1	17.8	72.6	3.6	65.4	3.2	57	9	6	3	21	5				
	48.6		6.4		5.6										
MC	0.0016	73.2	<0.1	708	<0.1	56	13	6	2	17	5				
68E2-4	32.5	17.6	1.6	15.6	1.4	25	10	24	12	20	10				
68E2-3	24.1	71.8	4.8	71.3	4.8	42	12	11	6	21	5				
	56.6		6.4		6.2										
68E2-2	33.7	91.8	8.6	89.5	8.4	61	10	6	2	17	4		2nd 8 hour sampling period 4pm - 12am		
68E2-1	24.8	323	22.2	315	21.8	53	13	6	2	20	5				
	58.5		30.8		30.2										
MC	0.0084	790	<0.1	758	<0.1	53	13	5	2	19	7				
68E2-4	35.3	83.2	8.2	83.2	8.2	28	5	25	9	29	8				
68E2-3	22.5	73.5	5.2	72.7	5.2	41	13	11	6	23	6				
	60.8		13.4		13.4										
68E2-2	27.3	110	8.4	107	8.1	69	10	4	1	14	2		3rd 8 hour sampling period 12am - 8am		
68E2-1	26.0	264	14.7	259	14.4	49	11	7	2	23	6				
	47.3		23.1		22.5										
MC	0.0002	622	<0.1	581	<0.1	42	22	7	3	17	9				
68E2-4	28.1	545	42.5	543	42.4	29	6	26	12	18	9				
68E2-3	21.4	40.5	2.4	33.0	2.1	33	14	13	9	26	7				
	41.5		44.9		44.5										

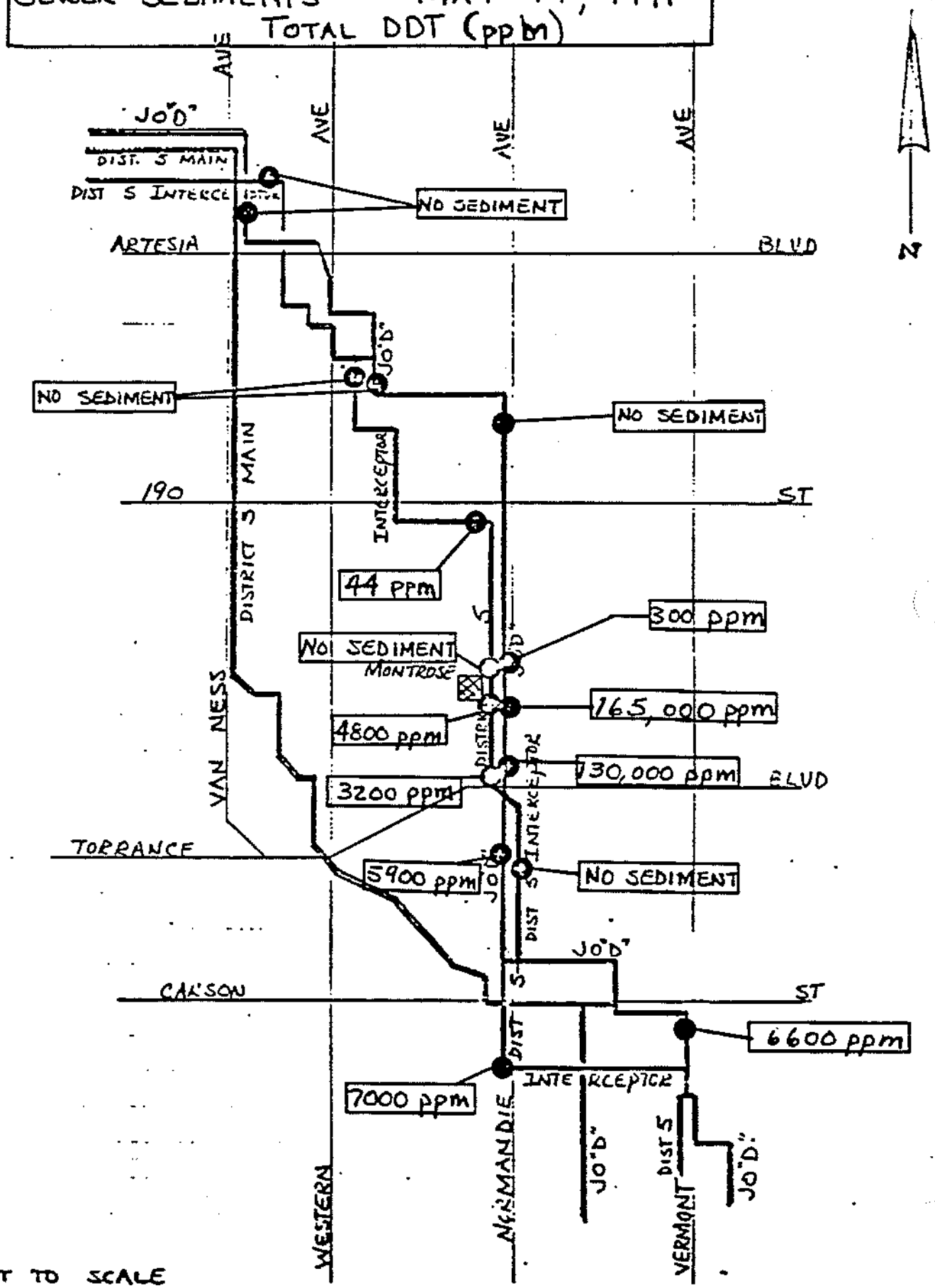
JO"D" - DISTRICT 5 INTERCEPTOR SYSTEM

DISTRICT Nº 2 A.F.E. Nº 1752

Prepared by KEDNER

Checked by

FIGURE 2
SEWER SEDIMENTS - MAY 14, 1971
TOTAL DDT (ppm)



NOT TO SCALE

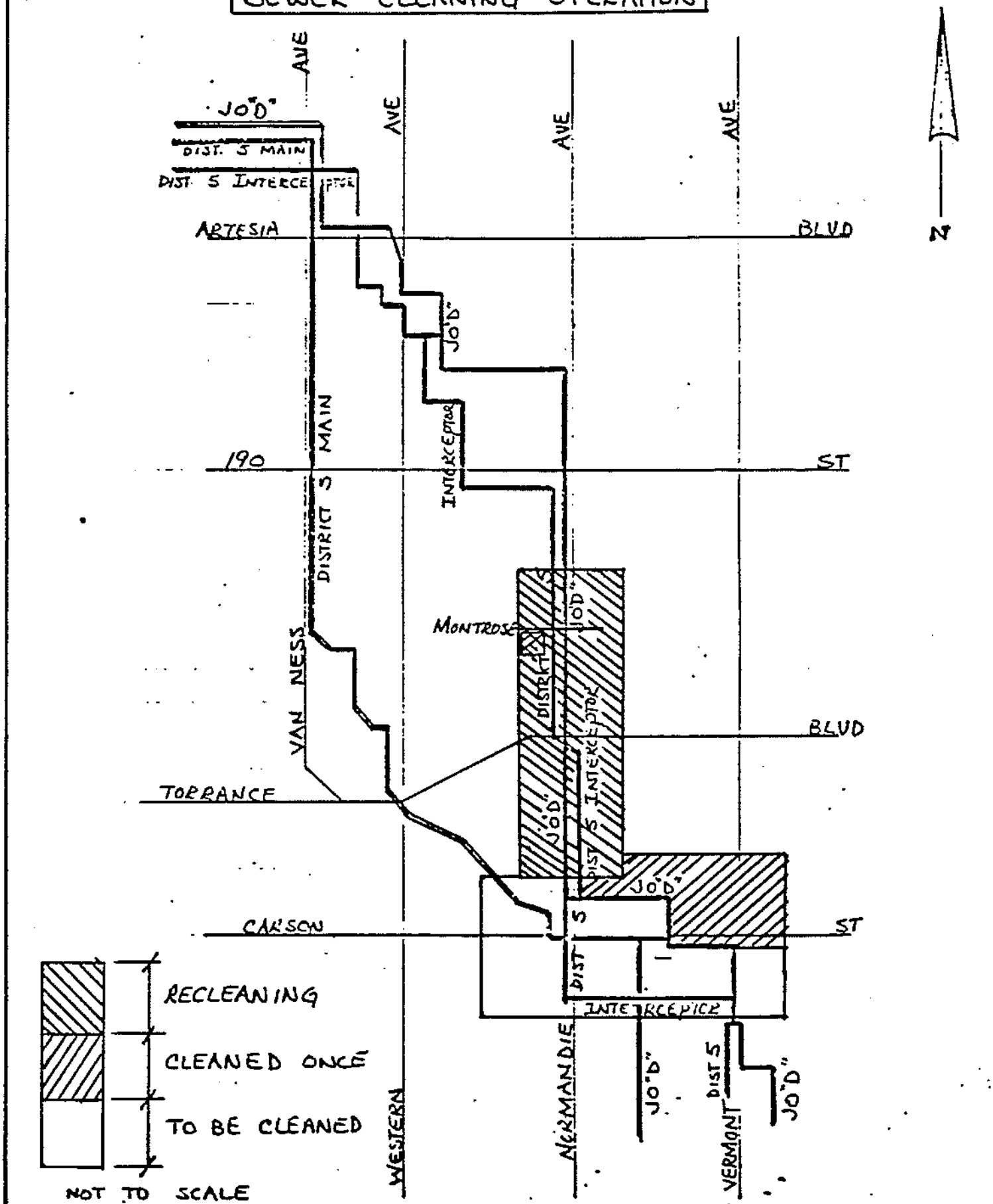
JO"D" - DISTRICT 5 INTERCEPTOR SYSTEM

DISTRICT Nº 2 A.F.E. Nº 1752

Prepared by KEDNEK

Checked by

FIGURE 3
SEWER CLEANING OPERATION



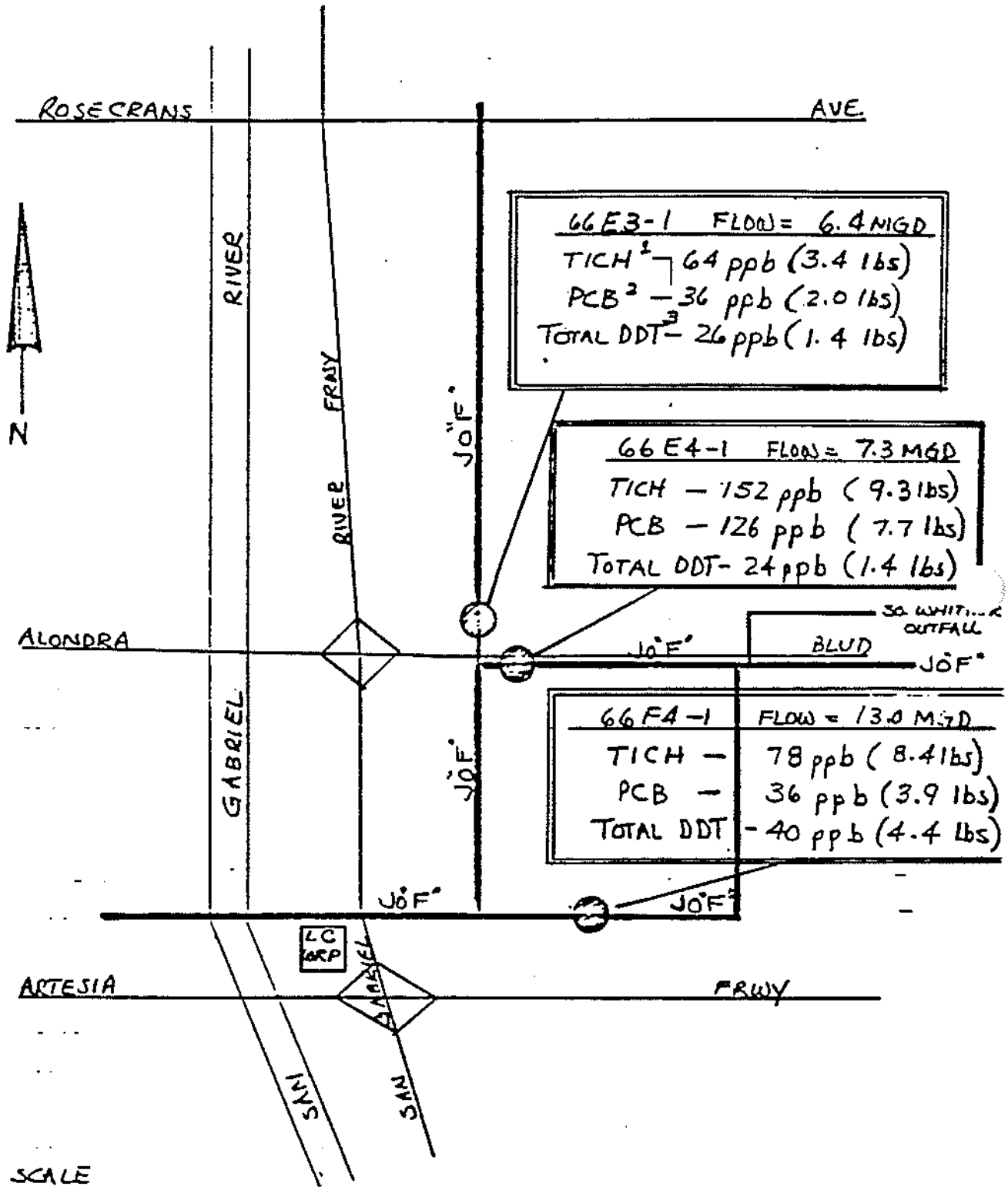
JO"F" - INFLOW TO LOS COYOTES WRP

DISTRICT Nº 2 A.F.E. Nº 1752

Prepared by REDNER

Checked by

FIGURE 4
SEWER SAMPLING - APRIL 20-21, 1971



1. TICH - TOTAL INDENTIFIED CHLORINATED HYDROCARBON.
2. PCB - POLYCHLORINATED BIPHENYLS.
3. TOTAL DDT - DDT + DDD + DDE

JO"B" - JO"H" SYSTEM

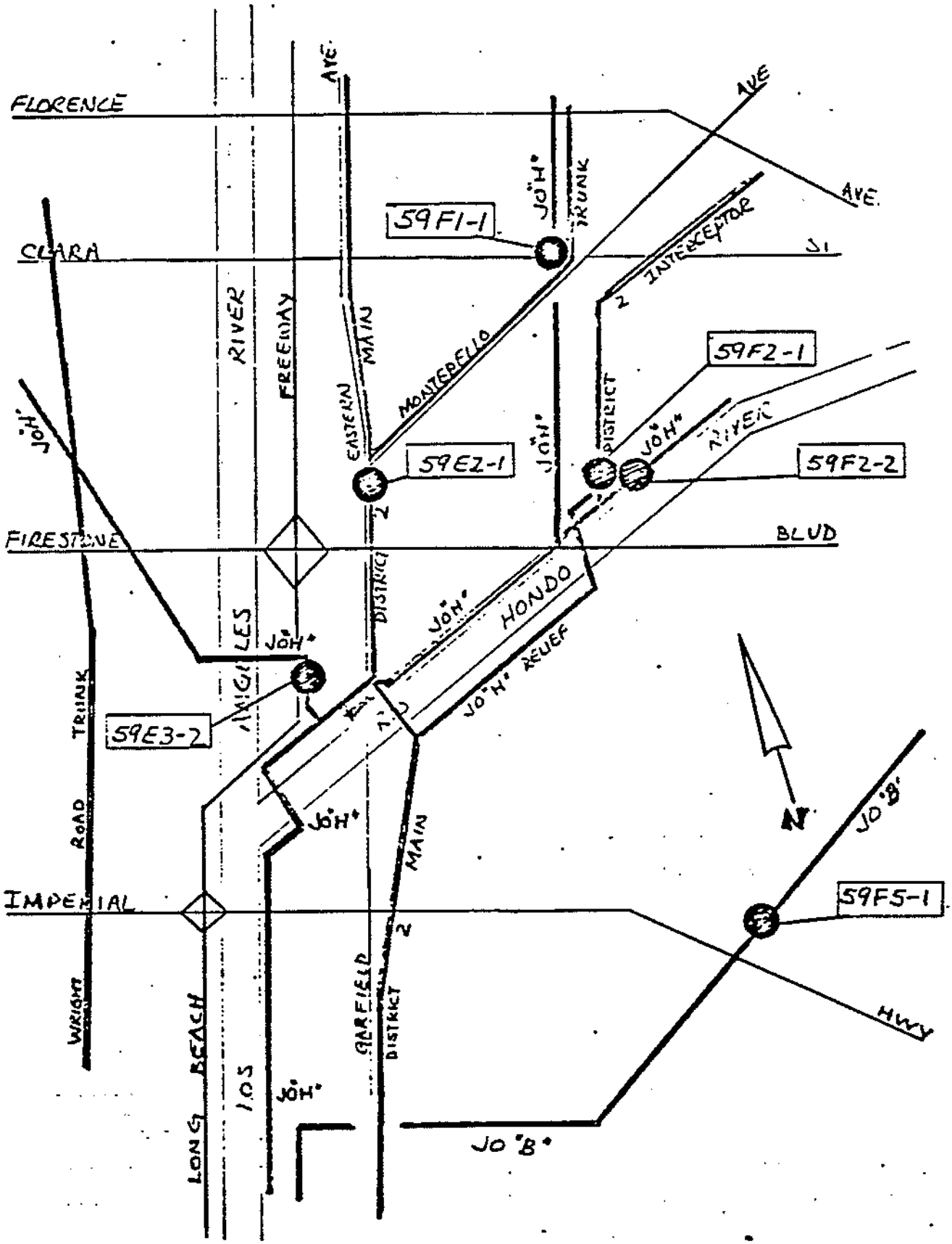
DISTRICT Nº 2 A.F.E. Nº 1752

Prepared by REDNER

Checked by

FIGURE 5

SAMPLING STATIONS APRIL 28-29, 1971



NOT TO SCALE

CLEAR CREEK SAMPLING SURVEY
APRIL 28-29, 1971
(24 HR. COMP.)

STATION	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINAT HYDROCARB	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LB
59E3-2	25.6	424	90.4	411	87.6	42	14	9	2	25	8	—			
59E2-2	8.7	378	27.4	366	26.6	38	13	9	3	28	8	—			
59F1-1	8.0	260	17.3	253	16.9	37	12	7	3	32	8	—			
59F2-2	45.8	341	130	333	127	39	12	8	3	30	8	—			
59F2-1	9.5	362	28.7	334	26.4	39	13	8	3	29	8	—		MAX. TO UNIT	J
	97.6		176.8		169.5										IB
59F5-1	38.0	276	87.5	265	84.0	38	12	9	2	32	8	—		JO'B"	u

EFFLUENT - GRIT CHAMBERS 1 & 2

WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATE HYDROCARBO	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS/D
Apr. 3-9		19.9		18.9		15	7	14	10	37	18	—	—	18.1	
Apr 15-16		25.0		19.3		12	—	30	13	29	15	171		196	
Apr. 17-23		54.9		54.9		65	2	10	5	13	5	66.4		142	
Apr 24-2		23.4		23.4		26	9	11	6	38	10	233[a]		256	
Apr. Aug		30.6		29.1		30	4	16	8	29	12	123		153	
May 1-7		16.3		15.4		15	4	29	13	30	10	—	—	16.3	
May 8-14		5.51		3.73		31	—	36	—	33	—	—		5.5	

a. AROCLOR 1242

b. AROCLOR 1251

EFFLUENT - GRIT CHAMBERS 3 & 4
WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATED HYDROCARB	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS
Apr. 3-7		58.7		58.1		6	2	34	13	35	10	—	—	58.7	
Apr 10-16		109		64.3		12	3	25	24	35	—	154		263	
Apr 17-23		93.2		93.2		12	3	30	14	32	9	69.4		162	
Apr 24-30		178		178		17	—	28	17	28	10	—		178	
Apr. Avg		110		98.6		12	2	29	17	32	7	56.0		165	
May 1-7		25.0		24.8		11	3	28	14	34	10			35.0	
May 8-14		86.6		85.3		14	3	29	13	32	9	—	—	86.6	

a. Aroclor 1242
b. Aroclor 1254

EFFLUENT + CENTRATE MIXTURE
WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATED HYDROCARBONS	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS/
Apr 3-9	374	92.0	302	92.0	302	16	6	17	6	46	10	—	—	92	3[illegible]
Apr 10-16	376	41.0	128	37.3	123	8	—	33	12	37	10	—	—	41	12
Apr 17-23	383	62.6	200	61.5	196	16	3	29	12	31	9	53.7	171	116	37
Apr 24-30	354	63.3	187	63.3	187	11	3	28	12	37	9	116 [a]	342	179	53
Apr. Avg	378	64.7	204	64.0	202	13	3	26	10	38	10	42.5	130	107	33
May 1-7	349	70.4	204	69.5	202	6	2	32	14	36	11	—	—	70.4	2
May 8-14	362	66.7	201	65.4	197	10	3	29	12	37	9	—	—	66.7	2

a. Aroclor 1242
b. Aroclor 1254

SFUND RECORDS CTR
0639-93452

Office of Chief Engineer

County Sanitation Districts

MEMORANDUM

Date: 5/12/71

To: CHUCK CARRY

From: JOHN REDNER

Subject: MONTROSE CHEMICAL – LANDFILL WASTE

PRIOR TO THEIR IN-PLANT CHANGES WHICH RESULTED IN THE DAILY HAULING OF ALKALINE WASTE TO THE P.V. LANDFILL (APRIL, 1970), MONTROSE HAULED SETTLING POND DREDGINGS TO THE LANDFILL. MONTROSE'S OLD METHOD OF WASTEWATER HANDLING, SINCE THE EARLY 1950'S, WAS TO SETTLE OUT THE DDT IN A HOLDING POND. THE EFFLUENT WENT TO THE SEWER CONTAINING 10 - 15 LBS/DAY DDT (ACCORDING TO MAX SOBELMAN). A FEW TIMES EACH YEAR, THE SETTLING POND WAS DRAINED AND DREDGED. AFTER DRYING, THE DREDGED MATERIAL WAS TRUCKED TO THE P.V. LANDFILL. DURING THE CLEANING OPERATION (ACCORDING TO MAX SOBELMAN) WHICH TOOK AT MOST ONE DAY, THE PLANT WAS SHUT DOWN.

FORM 63 1-70 10M

SFUND RECORDS CTR
0639-93451

5/11/71

Chuck Carey:

Our records indicate that the first load was recieved @ P.V. Landfill on April 17, 1970 and waste has continued at the rate of roughly 100,000 gal per week since that date. On some days a portion of this goes to the B.K.K. landfill in Covina.

Tom

98-8111.50.2.2CA

SFUND RECORDS CTR
0639-93450

36

April 30, 1971

MEMO TO: John D. Parkhurst, W. E. Garrison

THRU: L. A. Haug, F. R. Dair

FROM: Tom Meichtry

SUBJECT: DDT Analysis on Montrose Chemical Co. Waste

On April 12, 1971, two grab samples were taken from the hauler's truck (Chancellor & Ogden, Inc.) during his discharge operation at the Palos Verdes Landfill. Analysis of subject waste was made at JWPCP lab.

Attached xerox copy of lab analysis indicates average total DDT of about 3400 ppm. From Districts' records of haulers' reports and from conversation with Montrose Chemical Co. representative, the average quantity of waste is about 16,000 gal. per day.

Thus,

$$8.33 \times 0.016 \text{ MGD} \times 3400 \text{ ppm} = 455 \text{ lbs. per day}$$

This is assumed to be the total waste DDT discharge from Montrose Chemical Co.

Progress report titled "Pesticides and Heavy Metals", Dec. 1970, indicates that prior to May 1970 approximately 625 lbs. per day of total DDT entered JWPCP and after May 1970, it was reported that only about 150 lbs. per day entered JWPCP. It becomes very evident from the subject lab analysis that the balance of DDT waste being disposed in sanitary landfill correlates strongly with the amount removed from the Districts' Joint Outfall System.

Respectfully submitted,

Tom Meichtry

Tom Meichtry

TM:mr
Attach.

1971 MAY 5 AM 7 30

* Original filed 5-00.05-00/71

CHLORINATED HYDROCARBON ANALYSIS

SAMPLE - LOCATION Montrose Chem from [illegible]
TYPE

AFE-WO: 1282-400 DATE 4/12/71 REQUESTED BY: Meichtry

Job Number	7563	7564 A	7564 B		
Sample Description / Constituent in	indust. waste	indust waste	industrial waste		
op' - DDE ppm	575	436	464		
pp' - DDE ppm	1348	728	733		
op' - DDD ppm	112	65.9	76.6		
pp' - DDD ppm	303	172	203		
op' - DDT ppm	485	405	437		
pp' - DDT ppm	1136	1008	1058		
BHC					
Lindane					
Heptachlor					
Heptachlor Epoxide					
Aldrin					
Endosulfan					
Dieldrin					
Endrin					
Toxaphene					
Kelthane					
TOTAL DDT					
~~TOTAL PESTICIDE~~	3959 ppm	2818 ppm	2972 ppm		
Aroclor 1242					
Aroclor 1254					
TOTAL PCB					
TOTAL CHLORINATED HYDROCARBONS					

PESTICIDE SURVEY

SFUND RECORDS CTR
0639-03886

John A. Redner

JO "D" - District 5 Interceptor Cleaning Operation

The major sewer cleaning operation of both the District 5 Interceptor and J.O. "D" is still in progress. By March 5, 1971 cleaning of the siphon on the District 5 Interceptor between 212th and 213th Streets on Normandie Avenue was completed. (The cross-hatched area in Figure 1 indicates the area that had been cleaned by 3/5/71). A total of 346,840 pounds of sediment were removed from the downstream manhole of this siphon, of which approximately 3,500 pounds were total DDT (see Table I). A grand total of 450,400 pounds of sediment were removed from the siphons on both lines, of which approximately 4,900 pounds were total DDT. The average concentration of total DDT in the sediment was 10,800 ppm.

With this amount of total DDT removed from the JO "D" - District 5 Interceptor system, a 24 hour sewer sampling run was performed on March 8, 1971, to evaluate the effect that this removal has had. The sampling stations are shown in Figure 2. A summary of the results are in Table II. Quite surprisingly, the results were not any lower than before cleaning, and still showed a major increase in total DDT in both lines as they flowed past Montrose Chemical. Just upstream of Montrose Chemical the combined level of total DDT in both lines was 9.8 pounds. Just downstream the level of total DDT was 75.9 pounds. The waste discharge of Montrose Chemical was 0.2 pounds of total DDT. These results again indicate that Montrose Chemical is no longer a major source of DDT to the JO "D" - District 5 Interceptor system.

What is the source(s) of the increased total DDT levels downstream of Montrose Chemical? Is it the result of non-representative samples? This reason is difficult to accept because all downstream sampling stations are high. Is there another discharger of DDT to the system? There are no known or suspected DDT dischargers to the system downstream of Montrose Chemical. Could sediments still be causing the increased levels of total DDT? This reason is hard to believe since so much sediment has already been removed. However, there is still sediment remaining in the sections that have been cleaned once. Inspection of the lines at sampling stations 5 and 5A indicates at least one foot of debris there. In addition, the sampling data show that DDD is the major contributer to the total DDT levels downstream of Montrose Chemical. This could be indicative of the anaerobic degradation of DDT. DDT is the major metabolite upstream of Montrose Chemical and in the discharge of Montrose Chemical. The percentage of DDE remains fairly constant throughout the sewer system.

Cleaning is continuing in both lines downstream of the siphons. Sizeable amounts of sediment are still being moved downstream, the effects of which are beginning to be seen at JWPCP. As a result of the sampling

run on March 8, 1971, recleaning of the reach on the JO "D" - District 5 Interceptor system between Montrose Chemical and the siphons is planned. A detailed investigation of this area is presently under way to pin down the reason(s) for the high total DDT levels.

JO "A" - JO "B" System

On March 16, 1971, sewer samples (24 hour composites) were taken at the stations shown in Figure 3. Table III summarizes the results of this survey. The JO "A" system and the upstream tributaries of the JO "B" system are all relatively low in total DDT levels. An apparent significant increase is seen in total DDT on the JO "B" system south of Dominguez Hills, 14.0 to 26.8 pounds. This is in keeping with previous data and would indicate a source of total DDT in that area. However, since PCB's are also detected in this area, it is possible that the reported total DDT levels are in error. PCB interference could result in increased DDT and DDE readings. An investigation of this possibility and of the possible DDT source in the area south of Dominguez Hills is in progress.

Monitoring - JWPCP

The influent and effluent at JWPCP has shown an increasing trend for the first three weeks of March. The effluent from Grit Chambers 3 and 4 increased from the February average of 52.4 ppb total DDT to 126 ppb total DDT by the third week in March (Table V). Correspondingly, the synthesized effluent and centrate mixture increased from an average of 38.1 ppb total DDT in February to 72.0 ppb total DDT (Table VI). The effluent from Grit Chambers 1 and 2 has not demonstrated any increasing trend (Table IV). Of interest is the second weekly sample for Grit Chambers 1 and 2 in March which was reported at 116 ppb PCB (Aroclor 1242).

The District 5 Interceptor and JO "D" are both influent to Grit Chambers 3 and 4. Since the beginning of the sewer cleaning operation, 24 hour composite samples of the effluent from Grit Chambers 3 and 4 were taken five days each week (Monday through Friday). The results, which are shown in Figure 4, verify the weekly composite sample results. The increase in total DDT concentrations in the effluent from Grit Chambers 3 and 4 reflects the fact that the sewer cleaning operation is now moving sizeable quantities of sediment down to JWPCP.

Special Studies

1. Correction Factor for Manifold Data - Prior to December 1970, the only samples of combined JWPCP effluent (primary effluent plus centrate) were obtained at the Whites Point Manifold Structure. This sampling location was eliminated when it was discovered that the sampling point was disproportionately high in centrate components. A synthesized effluent and centrate mixture, composited from samples of the three primary effluent channels and the centrate in proportion to flow, is now used to represent the average discharge from JWPCP. To determine a correction factor for the

existing manifold structure data, a comparison sampling program of manifold structure samples and synthesized effluent and centrate samples was undertaken. Fourteen, 24 hour composite samples were taken at each location and a linear regression analysis was performed on the results. The resulting relationship was:

$$y = 0.38\ x + 23.57$$

where y is the synthesized effluent and centrate sample and x is the manifold structure sample. However, the correlation coefficient, r, which was equal to 0.45 indicates the equation is not a good fit for the data. Both F-test and T-test statistics indicate that the equation is not significant at the 90% level of significance. More data are needed to determine whether a significant relationship exists.

2. Cooperage Firm Sampling - On March 1, 1971, a statewide drive to clean out and dispose or recycle thousands of used pesticide containers began. It was learned from the L.A. Regional Water Quality Control Board that many of the containers were being shipped to the Los Angeles area for reconditioning. Since this poses a potential pesticide source to the CSD sewerage system an investigation was begun on those cooperage firms discharging to CSD trunk sewers. To date, samples have been taken above and below the sewer connection of two of the largest cooperage firms in the area, Myer Drum Company, and Apex Drum Company. The results for Myer Drum Company were 124 ppb of PCB's above and 856 ppb PCB's below their sewer connection. For Apex Drum Company the results were 11.0 ppb total DDT above and 1,880 ppb PCB's below. Table VII lists the results. On the basis of flow measurements taken during sampling both Apex Drum Company and Myer Drum Company are discharging about 2 pounds of PCB's per day.

Respectfully submitted,

John A. Redner

John A. Redner

SEWER SEDIMENT - JO"D" - DISTRICT 5
GRAB SAMPLES FROM TRUCK

DATE 1971	WEIGHT ~~FLOW MGD~~ 1000 LBS.	TOTAL CHLOR. HYDROCARBON PESTICIDES PPBM	TOTAL CHLOR. HYDROCARBON PESTICIDES LBS/DAY	TOTAL DDT PPBM	TOTAL DDT LBS/DAY	PERCENT COMPOSITION DDT pp'	DDT op'	DDD pp'	DDD op'	DDE pp'	DDE op'	TOTAL PCB PPBM	TOTAL PCB LBS/DAY	TOTAL CHLORINATED HYDROCARBONS PPBM	TOTAL CHLORINATED HYDROCARBONS LBS/DAY
FEB 1	14.7	a	a	33,800	500	11	12	4	13	40	21	MATERIAL FROM SIPHON ON JO"D"			
2	20.0			12,200	240	27	8	24	15	13	12				
3	15.9			10,900	170	31	9	22	14	13	12				
4	18.7			9,900	185	23	6	21	12	24	15				
5	34.3			5,700	195	21	6	17	6	30	19				
8&9	4.4			6,200	27	14	3	21	10	37	15				
16	3.6			5,700	21	22	4	23	11	25	15				
17	7.7			13,600	105	18	4	22	11	31	15				
18	50.7			5,700	289	23	7	20	10	23	16				
19	16.9			10,800	183	—	—	—	—	—	—	MATERIAL FROM SIPHON ON DISTRICT 5 INTERCEPTOR			
22	35.4			8,000	283	21	6	18	8	38	15				
23	24.6			14,800	364	19	20	17	20	8	16				
24	38.9			9,100	354	12	5	20	11	35	16				
25	54.7			8,900	489	12	4	23	11	34	16				
26	48.2			15,100	728	13	5	23	8	37	14				
MAR. 1	18.4			8,700	160	13	3	17	8	42	17				
2	4.3			5,800	25	18	20	17	20	2	23				
3	21.0			15,900	334	13	4	19	10	38	15				
4	9.3			10,000	93	9	3	19	10	44	15				
5	8.7			10,100	88	9	4	18	9	44	15				
	460.4 TOTAL			10,800 AVER.	4,853 TOTAL	17	7	19	11	29	16	AVER.			

a. PESTICIDES ARE ALL TOTAL DDT

TRUNK SEWER SURVEY
CHLORINATED HYDROCARBONS
MARCH 8 (8AM) TO 9 (8AM), 1971

STATION No	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATE HYDROCARBO	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS/D
62	15.6	34.6	4.5	34.2	4.4	37	11	13	7	26	6				
64	11.1	46.8	4.3	46.2	4.3	46	9	11	6	22	6				
	26.7		8.8		8.7							171	STREET		
66	25.3	24.1	5.1	23.3	4.9	37	9	13	7	25	8				
67	17.3	25.5	3.7	24.8	3.6	36	8	13	7	28	7				
	42.6		8.8		8.5							190	STREET		
4	25.4	18.6	3.9	18.0	3.8	41	9	12	6	25	7				
4B	19.7	38.5	6.3	36.8	6.0	40	7	14	6	25	6				
	45.1		10.2		9.8							NORTH PROPERTY LINE			
MC	0.02*	1171	0.2	1126	0.2	60	21	4	3	9	3	MONTROSE			
5	25.5	113	24.0	112	23.8	11	3	36	15	25	10				
5A	20.6	305	52.5	303	52.1	31	14	16	13	18	9				
	46.1		76.5		75.9							500' DOWNSTREAM OF MONTR			
79	30.2	74.4	18.7	73.9	18.6	17	5	28	12	28	9				
78	15.9	490	65.0	488	64.8	9	2	35	17	26	11				
	46.1		83.7		83.4							211	STREET		
74	NO	91.9		90.4		15	4	31	13	28	10				
75	FLOW DATA	161		160		12	2	32	16	27	11				
												SOUTH OF CARSON			
61	24.7	197	40.5	197	40.5	13	3	31	19	23	10				
6	19.3	117	18.8	115	18.5	13	3	32	16	27	10				
	44.0		59.3		59.0							230 STREET			

SEWER SAMPLING SURVEY - MAR. 16-17, 1971
24 HR. COMPOSITES

STATION	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATE HYDROCARBO	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS/I
41	13.1	16.2	1.8	14.0	1.5	29	8	16	8	27	11	—	—	— JOE	
63	27.3 40.4	12.7	2.9 4.7	11.0	2.5 4.0	28	9	20	8	25	8	—	—	— JOA	
3	37.5	12.3	3.8	11.8	3.7	33	9	13	7	20	18	65.3	20.4	— JOA	
19	73	13.8	8.4	10.4	6.3	30	10	13	—	24	22	—	—	— JOH	
20	50.6	4.32	1.8	4.32	1.8	35	—	—	—	65	—	44.1	18.6	— JOB	
40	30.5	18.1	4.6	14.6	3.7	21	6	14	10	22	26	—	—	— JOF	
42	27.7 181.8	9.31	2.2 17.0	9.31	2.2 14.0	—	—	60	—	40	—	—	—	— JOG	
2	214	15.0	26.8	15.0	26.8	30	11	11	—	17	30	204	364	— JOB	

EFFLUENT – GRIT CHAMBERS 1 & 2

WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATE HYDROCARBO	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb	LBS/DAY	ppb	LBS/
JAN 3[b]		8.36		7.23		12	5	11	0	47	25	6.14			
7[b]		6.65		4.97		29	14	10	0	22	25	24.1			
8-15		16.0[a]		4.87		29	20	10	0	15	25	0			
16-22		6.86		5.44		11	5	19	16	24	25	0			
23-29		0		0		–	–	–	–	–	–	34.6			
JAN. AVG		7.6		4.5		20	11	12	4	27	25	13.0			
1/30-2/6		10.7		10.1		11	–	33	14	31	12	–			
FEB 6-12		6.87		6.11		32	–	–	–	49	19	–			
13-19		3.05		2.25		26	6	14	–	33	21	–			
20-26		6.70		5.57		19	3	18	4	40	16	–			
FEB AVG		6.83		6.00		22	2	16	4	38	17	–			
FEB 27-MAR 5		5.76		4.55		26	12	–	–	25	37	–			
MAR 6-12		—		—		–	–	–	–	–	–	116			
MAR 13-19		10.9		9.2		24	–	32	12	16	16				
MAR 20-26															
MAR 27-APR 2															
MAR AVG.															

a. ALDRIN – 9.29 ppb

b. 24 HOUR COMPOSITE

EFFLUENT - GRIT CHAMBERS 3 & 4
WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATE HYDROCARBO	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb	LBS/DAY	ppb	LBS/I
JAN 1-7		53.6		50.9		17	3	27	13	29	10	–			
8-15		46.0		43.3		18	3	26	14	29	10	–			
16-22		60.8		59.6		–	–	42	15	30	12	–			
23-29		28.3		27.8		9	4	34	14	27	13	–			
JAN. AVG.		47.2		45.4		11	3	32	14	29	11	–			
1/30 - 2/5		47.7		44.8		8	2	46	13	25	6				
FEB 6-13		67.4		64.4		2	–	32	16	38	11				
13-19		48.3		47.6		11	3	28	13	37	8				
20-26		54.2		52.7		9	2	35	15	29	10				
FEB AVG.		54.4		52.4		8	2	35	14	32	9				
FEB 27-MAR 5		69.5		68.4		8	3	32	16	31	11				
MAR 6-12		127 [a]		125 [a]		27	4	24	13	25	8				
MAR 13-19		128		126		18	2	31	17	23	9				
MAR 20-26															
MAR 27-APR 2															
MAR AVG.															

[a] AVERAGE OF DUPLICATE SAMPLES

EFFLUENT + CENTRATE MIXTURE
WEEKLY COMPOSITES

DATE 1971	FLOW MGD	TOTAL CHLOR. HYDROCARBON PESTICIDES		TOTAL DDT		PERCENT COMPOSITION						TOTAL PCB		TOTAL CHLORINATI HYDROCARB	
						DDT		DDD		DDE					
		ppb	LBS/DAY	ppb	LBS/DAY	pp'	op'	pp'	op'	pp'	op'	ppb.	LBS/DAY	ppb	LBS/
JAN 3-8	323	33.9	91.3	31.5	84.8	–	–	–	–	–	–	–			
9-15	365	32.8	99.8	29.7	90.4	7	–	32	13	35	13	–			
16-22	372	56.9	176.5	55.2	171.3	1	–	36	15	35	13	–			
23-29	365	52.5	159.8	51.5	156.8	8	–	33	14	35	12	–			
JAN. AVG.	356	44.0	131.8	42.0	125.8	5	–	34	14	34	13	–			
1/30-2/5	361	40.4	122	39.6	119	3	3	37	15	32	11				
FEB 6-12	360	39.4	118	39.4	118	3	–	39	14	34	11				
FEB 13-19	357	31.2	93.	30.5	91	5	2	35	14	33	11				
FEB 20-26	363	44.1	134	43.0	130	5	2	35	13	33	12				
FEB AVG.	360	38.8	117	38.1	114	4	2	36	14	33	11				
2/27-3/5	362	50.2	152	48.5	146	7	3	31	15	33	12				
MAR 6-12	358	66.3	198	64.7	193	18	4	26	13	30	10				
MAR 13-19	377	23.2	230	72.0	226	10	2	33	16	28	10				
MAR 20-26															
3/27-4/2															
MAR AVG.															

CHLORINATED HYDROCARBON ANALYSIS

SAMPLE - LOCATION Transit Lines
TYPE Sewer Sediment

AFE-WO: 152-338 DATE 3-18-71 REQUESTED BY: J. Rehner

Job Number	6944	6945		6940	6941
Sample Description / Constituent in	Apex Drum Co 6256 Ferguson St. Above Connection	Apex Drum Co 6256 Ferguson St. Below Connection		Myer Drum Company 5400 S. Soto St. Vernon Above Connection	Below Connection
op' - DDE	.755				
pp' - DDE	1.74				
op' - DDD					
pp' - DDD	1.80				
op' - DDT	1.88				
pp' - DDT	4.81				
BHC					
Lindane					
Heptachlor					
Heptachlor Epoxide					
Aldrin					
Endosulfan					
Dieldrin					
Endrin					
Toxaphene					
Kelthane					
TOTAL DDT					
TOTAL PESTICIDE	11.0 ppb				
Aroclor 1242		337 ppb		66.7	625
Aroclor 1254		1,547		56.9	231
TOTAL PCB		1,884 ppb		123.6	856
TOTAL CHLORINATED HYDROCARBONS					

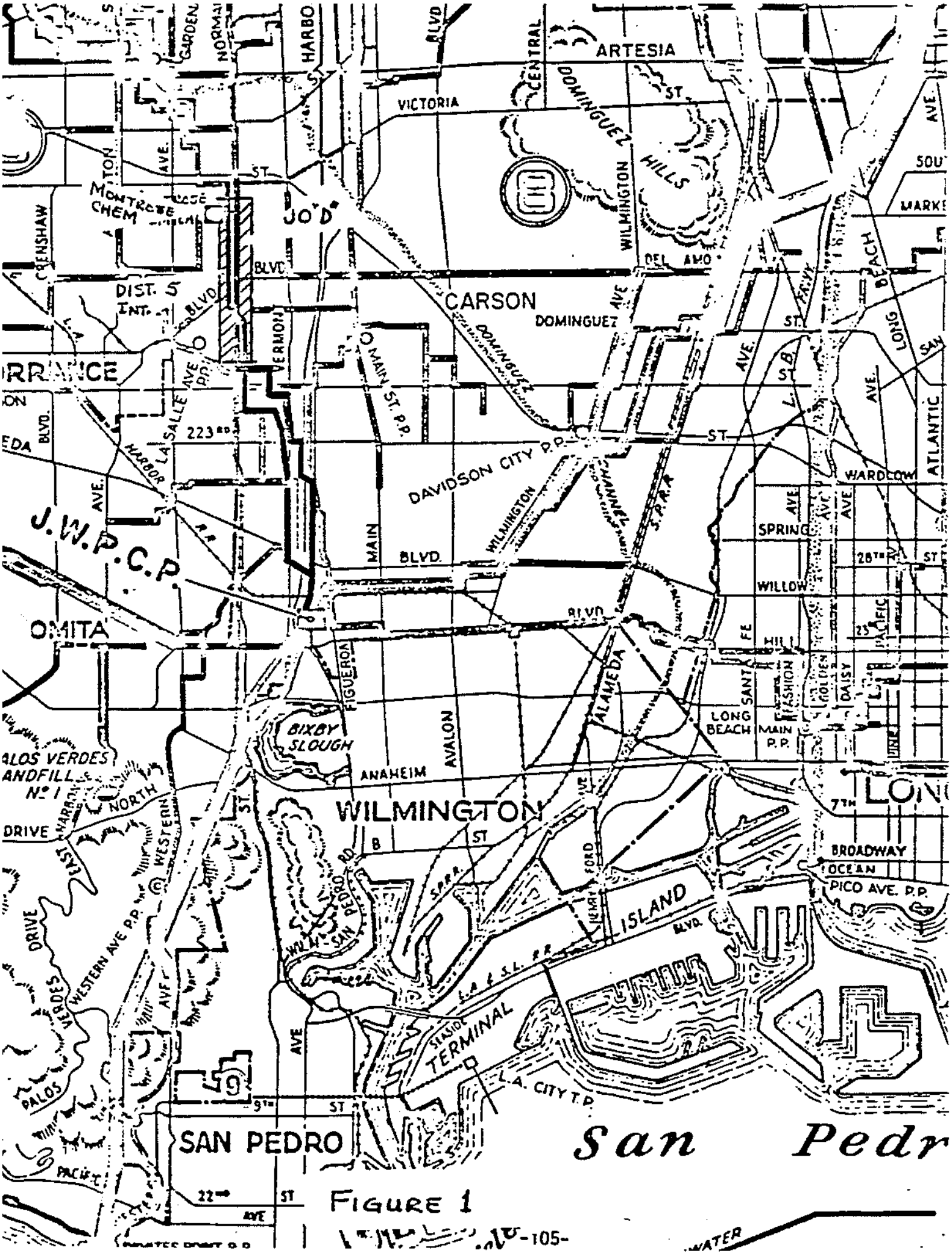
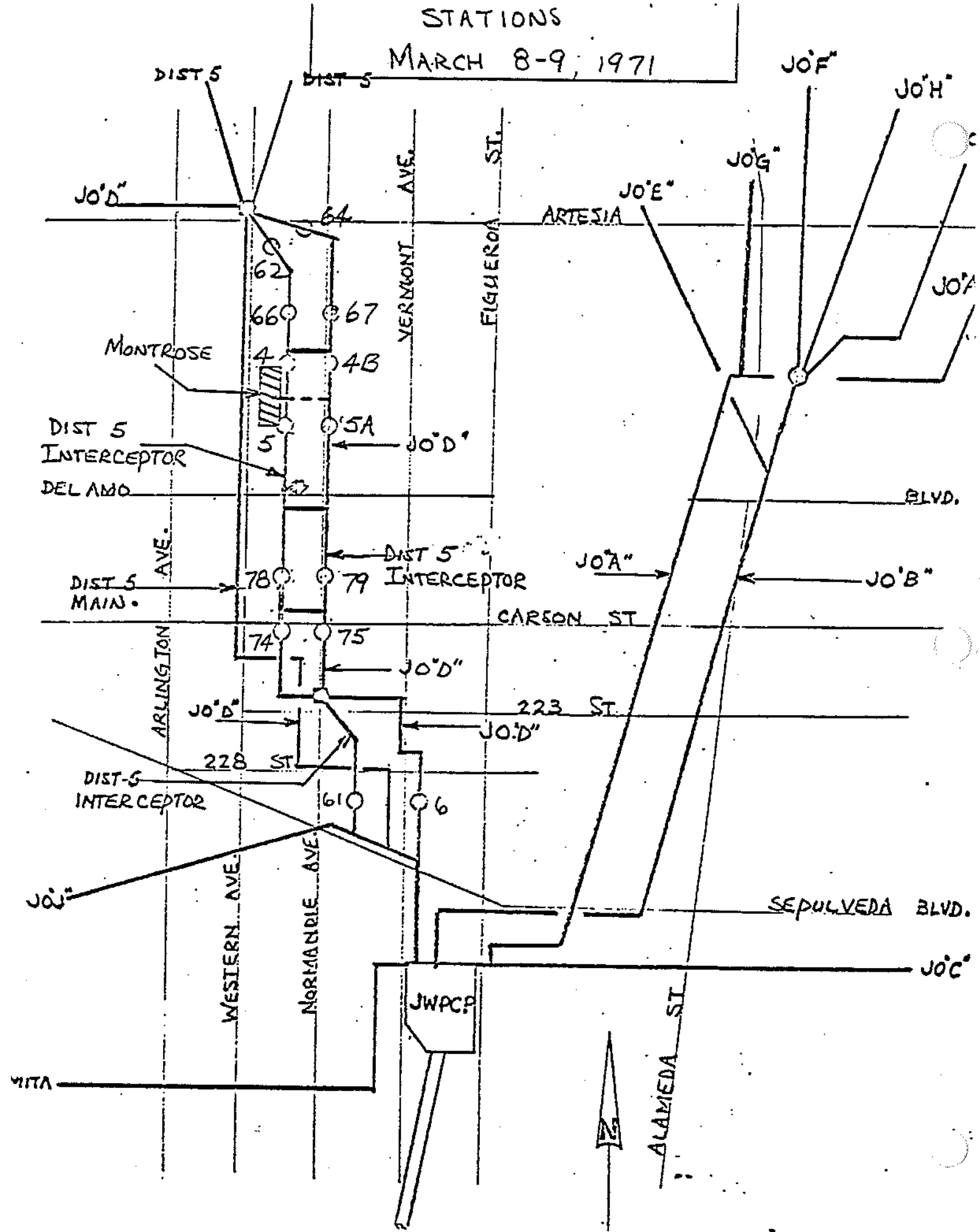
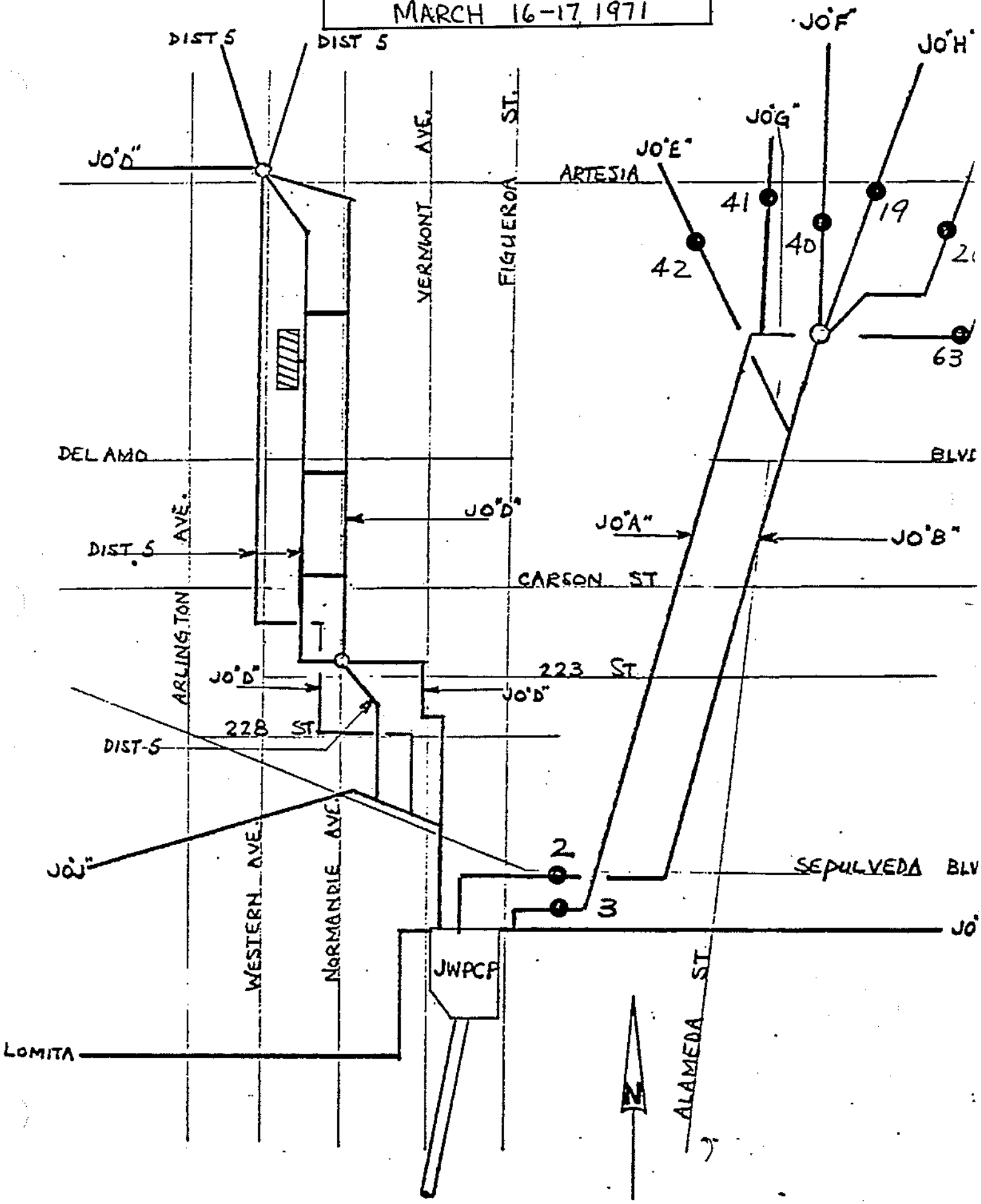
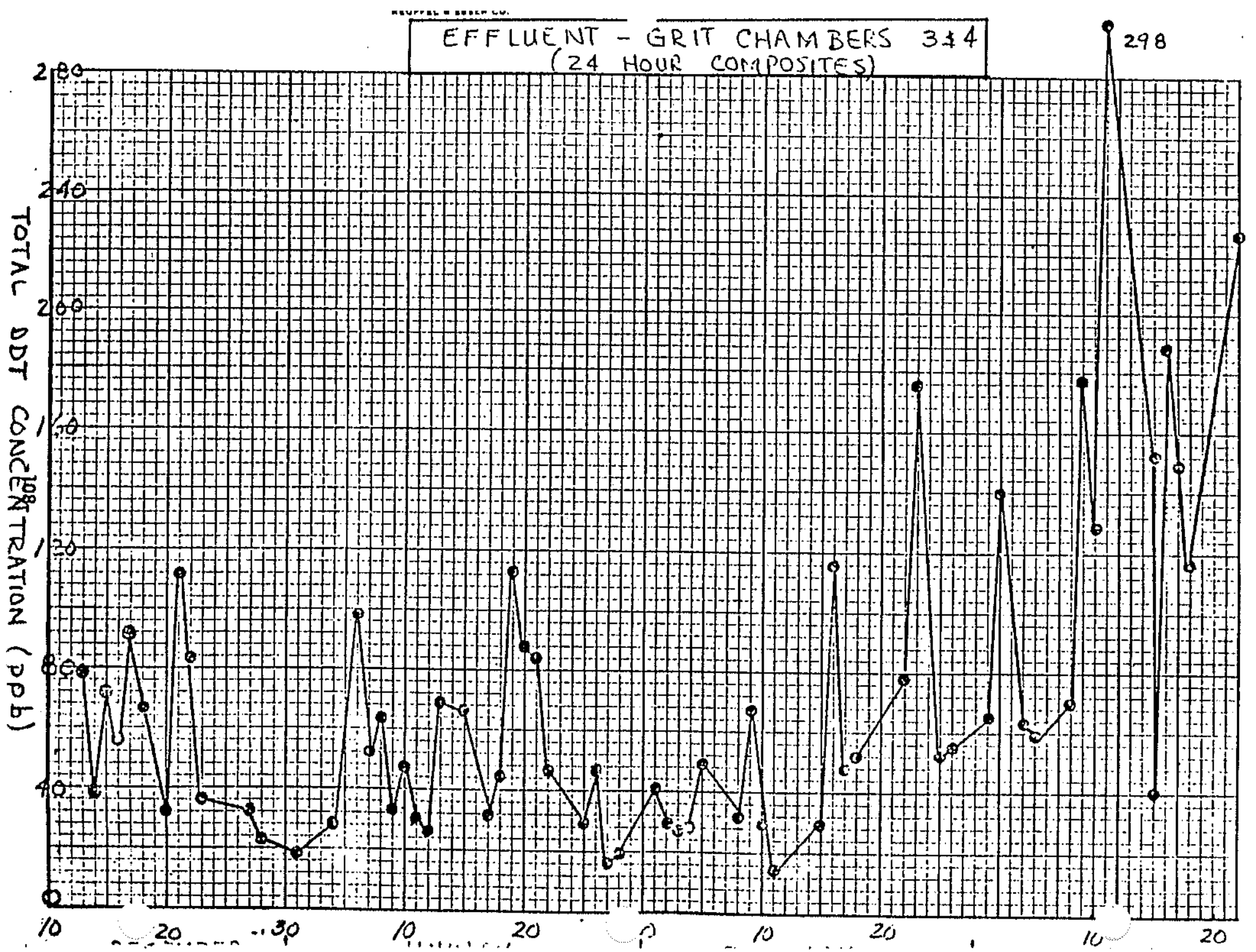

ARTESIA
VICTORIA
CENTRAL
DOMINGUEZ HILLS
WILMINGTON
MONTROSE CHEM
JO'D
DIST. 5 INT.
CARSON
DOMINGUEZ
DEL AMO
VERMON
MAIN ST. P.P.
LA SALLE AVE P.P.
223RD
DAVIDSON CITY P.P.
WILMINGTON
CHANNEL
S.P.R.R.
J.W.P.C.P.
MAIN
BLVD.
OMITA
FIGUEROA
ALAMEDA
AVALON
BIXBY SLOUGH
ANAHEIM
WILMINGTON
LONG BEACH
MAIN P.P.
SANTA FE
FASHION
GOLDEN
DAISY
PACIFIC
WARDLOW
SPRING
WILLOW
28TH
ATLANTIC
LONG BEACH
SOU
MARKE
BROADWAY
OCEAN
PICO AVE. P.P.
ISLAND
L.A. & S.L. R.R.
SEASIDE TERMINAL
L.A. CITY T.P.
WILM-SAN PEDRO RD.
PALOS VERDES LANDFILL No 1
NORTH
WESTERN
WESTERN AVE P.P.
EAST HARBOR
DRIVE
PALOS VERDES DRIVE
PACIFIC
9TH
SAN PEDRO
22ND
San Pedr
WATER

FIGURE 1


STATIONS
MARCH 8-9, 1971
DIST 5
DIST 5
JO"D"
64
62
66
67
4
4B
5
5A
MONTROSE
DIST 5
INTERCEPTOR
JO"D"
DEL AMO
DIST 5
INTERCEPTOR
DIST 5
MAIN
78
79
74
75
JO"D"
JO"D"
JO"D"
228 ST
DIST-5
INTERCEPTOR
61
6
JO"J"
ARLINGTON AVE.
WESTERN AVE.
NORMANDIE AVE.
VERMONT AVE.
FIGUEROA ST.
ARTESIA
JO"E"
JO"G"
JO"F"
JO"H"
JO"A
BLVD.
JO"A"
JO"B"
CARSON ST
223 ST
SEPULVEDA BLVD.
JO"C"
JWPCP
ALAMEDA ST
N

STATIONS
MARCH 16-17, 1971




EFFLUENT - GRIT CHAMBERS 3 & 4
(24 HOUR COMPOSITES)
298
TOTAL DDT CONCENTRATION (ppb)
280
240
200
160
120
80
40
0
10
20
30
10
20
10
20
10
20

SFUND RECORDS CTR
0639-93433

(38)

2446

INDUSTRIAL WASTE CONTROL SECTION

CURRENT TOTAL FLOW INFORMATION

DATE: 12-27-72

INDUSTRIAL WASTE PERM.: W-08427

NAME: Montrose Chemical Corporation

INSTALLATION ADDRESS: 20201 S. Normandie Ave. Torrance 90507

INDUSTRIAL CLASS: 026 - Chemical Manufacturing

WASTE PROCESS: 73 & 75 Boiler Blowdown & Water Softner Regeneration

NO. OF EMPLOYEES: 200 x 15 gal/day NO. OF SEATS: _____

NO. OF PATIENTS: _____ NO. OF ROOMS: _____ NO. OF BEDS: _____

FLOW QUOTED ON APPLICATION: 1500 GALLONS PER 8hr DAY

CURRENT TOTAL FLOW: 56,325 PER 8hr Day

MINUS SANITARY + PROCESS + IRRIGATION + Hauling (vacuum Truck) 54,825 PER 8hr Day

EQUALS INDUSTRIAL WASTE FLOW 1500 GALLONS PER 8hr DAY

REQUIRES REVISION: YES: _____ NO: X DATE RELEASED: _____

REMARKS: Process Water is recirculated, used in product & Hauled by vacuum truck to a legal landfill dump. 3000 GPD Sanitary flow. Evaporation & irrigation makes up the rest of the total flow. Only 1500 GPD is wasted to the sewer from the Boiler Blowdown & Water Softner Backwash via a weir manhole.

HARRY [illegible]

Carl L. Tripp
INSPECTOR

[illegible]
SENIOR INSPECTOR

Dominguez Water	D.W.P.
1434	280
1856	325
1709	815
1600	670
1654	795
	729
8253	3614

1651
5) 8253
5
33
30
25

602
6) 3614
30

1651 x 750 = 1,238,250

CHARLES A. SHERIDAN

602 x 750 = + 451,500

1,689,750 ÷ 30 = 56,325 GPD

(39)

Stauffer INTER-OFFICE CORRESPONDENCE

Western Researc

Westport R. G. Campbell 1-23-73

E. C. Galloway Montrose Spent Acid

P. E. Hoch
D. S. Mac Iver
F. A. J. Mo
L. B. Post

RECEIVED
FEB 1 4 73
L. B. POST

Max Sobelman's memo of 1/5/73 on the above subject suggests a laboratory study on the burning of spent acid. The purpose of the study would be to determine the conditions necessary to remove hydrochloric acid mist from the SO_2 gas stream generated. Your memo of 1/19/73 asks about the content and cost of such a study.

As discussed with you on 1/22/73, I will be meeting with Sobelman, Ben Rothberg, Jack Edwards, Jack Reynolds, and Carl Stromberg at Torrance on February 15 to discuss Montrose's spent acid problem in depth.

At this time, no one in Montrose or in Stauffer on the West Coast, as far as I am aware, is giving serious consideration to any approach other than

- continued dumping of the spent acid
- burning the spent acid, without further treatment, at Dominguez for SO_2 recovery.

A considerable amount of the Montrose spent acid has been burned in the past at Dominguez. Some of the equipment installed (e.g. lead electrostatic precipitators) was corroded by the HCl content of the combustion gases. Engineering-West appears confident that they can modify the Dominguez plant (e.g. install a plastic electrostatic precipitator) so that the Montrose acid can be handled successfully.

I will issue a call report on the February 15 meeting in which the need for any laboratory development work will be discussed.

R. G. Campbell

RGC/lh

CC-009 2 0 5 5 6

POOR QUALITY ORIGINAL

Stauffer

INTER-OFFICE CORRESPONDENCE

Houston

Houston Office — E. G. Lang — 5/9/75

J. L. Vestal — Montrose Spent Acid Disposal Study — REVISED: 8/29/75

W. Kanat - Western Engineering
J. Reynolds - Western Engineering
A. Blackwell - Westport Office
B. R. Bowland - San Francisco Office
J. Edwards - San Francisco Office
R. M. Manle, Jr. - Dominguez Plant
J. S. Coglaiti - Martinez Plant
L. Post/R. Ayen - Eastern Research
R. C. Holt - Dobbs Ferry Engineering
T. E. Sikora - Western Engineering

Montrose Chemical Company is currently disposing of their spent acid at a Class I dump at West Covina, California - this may be cutoff at any time.

Because of the very high chloride (2%) level in the spent acid, past attempts in regeneration at Dominguez were unsuccessful. In today's situation, the acid is not suitable for fertilizer; considerable research at Dobbs Ferry did not reveal any way to remove the chloride or other impurities.

A study has been made of the costs of modifying either the Dominguez or Martinez plants so that the spent can be decomposed. The capital and tolling costs for 14 cases studied are summarized in the "Summary" immediately following. Risks and liquid waste disposal evaluations are included. The remainder of the study is attached.

Plant tests have been conducted at Dominguez, burning Montrose spent, and at Houston, Gen. 1, burning GAF (containing 0.5% chloride). Results, anticipated shortly, should define degree of risks.

The attached summary indicates that the first choice would be to modify Unit No. 1, Dominguez, if this is feasible, based on test results, or else to add a separate sludge train at Dominguez.

E. G. Lang

EGL/ajj
attachments

ORIGINAL

SAFEGUARD COMPANY INFORMATION

ORIGINAL

41

MONTROSE SPENT ACID -- DISPOSAL STUDY

SUMMARY

CASE	I	II	IIA	III	IIIA	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
Capital Cost, MM$	1.7	5.7	2.1	7.4	1.5	-	1.8	1.8	1.7	4.9	5.2	1.7	1.1	1.2	.5	.6
Tolling Costs, Rank (1)	6	13	7	14	4	15	7	10	8	11	12	9	5	3	2	1
Degree of Risk	9	4	4	4	4	-	5	10	8	9	7	3	4	9	9	10
Liquid Waste Problem, Degree	5	5	5	6	6	-	5	10	8	9	5	5	7	7	7	7

Degree of Risk: 0 - None, 10 - Highest

Liquid Waste Problem: 0-None, 10 - Greatest

Case I - 60 TSD train at Dominguez, gas to #3, unabated, and #1.
Case II - 60 TSD train at Dominguez, gas to #3, abated.
Case IIA - Case II but #3 operated at 550 TSD and ICD assumes proportional share of abatement costs.
Case III - Maximum sludge train, Dominguez #3, abated.
Case IIIA - Case III but #3 operated at 550 TSD including burning 235.8 tons sludge. ICD assumes proportional share of abatement and sludge train.
Case IV. - Convert No. 3 to abated sludge plant - dropped - cost too high.
Case V. - As per Case I, but use existing No. 1 unit furnace for train, construct new furnace for No. 1.
Case VI. - Revise Martinez to operate on existing train.
Case VII. - Add a train to Martinez.
Case VIII. - Expand Units 1 and 2, Dominguez, revise existing train.
Case IX. - Expand Units 1a da 2, Dominguez, add a train.
Case X. - 60 TSD train at Dominguez, No. 1. Back out alkylation, ship to Martinez.
Case XI. - Revise and sanitize Dominguez, No. 1. Back out alky, ship to Martinez.
Case XII. - Revise and sanitize Dominguez, No. 1. Send part of gas to No. 3 Unit.
Case XIII. - Revise and sanitize Dominguez, No. 2. Back out alky, ship to Martinez.
Case XIV. - Revise and sanitize Dominguez, No. 2. Send part of gas to No. 3 Unit.

(1) Sludge freight included. No. 1 is lowest tolling cost.

Note: Capital and tolling costs were estimated to sufficient accuracy to enable comparisons and are not suitable for other uses.

EGL/ajj

REVISED 8/29/75

WASTEWATER RENOVATION
SOLID WASTE MANAGEMENT

COUNTY SANI. ^TION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road / Whittier, California 90601
Mailing Address: / P. O. Box 4998, Whittier, California 90607
Telephone: (213) 699-7411 / From Los Angeles (213) 685-5217

SFUND RECORDS CTR
0639-03596

JOHN D. PARKHURST
Chief Engineer and General Manager

June 5, 1974

File: 5-00.05-00/74

City of Los Angeles
200 N. Spring St.
Room 948
Los Angeles, California 90012

Attention: Mr. Jack M. Betz

Subject: Industrial Wastewater Discharge Permit No. 1487
Montrose Chemical Corp. of Calif.
20201 S. Normandie Ave.
Torrance, Ca. 90507

Dear Mr. Betz:

Enclosed are four (4) approved sets of plans and copies of the approved Industrial Wastewater Discharge Permit for the proposed industrial waste discharge from subject company. Plans consist of:

Critical Parameter Report Form, laboratory analysis, description of waste disposal system, drawings: sewer system and plot plan.

Approval of the plans and permit is contingent upon continuing compliance with applicable Ordinance requirements, /__/ upon corrections shown in red on the drawings, /XX/ upon the following specific requirements:

1. Montrose Chemical Corp. of Calif. is advised that additional wastewater pre-treatment facilities may be required to meet the proposed industrial effluent limits, enclosed.

2. This permit is approved for the discharge of boiler blowdown and water softener backwash water only, through an existing connection to the public sewer. Montrose Chemical Corp. of Calif. is prohibited from discharging any process wastes or other wastewater which may contain chlorinated pesticides' their derivatives, or intermediates in their manufacture. Any violation of this requirement may result in revocation of this permit to discharge to the public sewer or in other penalties prescribed in the Sanitation Districts' Ordinance.

3. Tests for Critical Parameters must be performed and reported to the Sanitation
*** Districts on the enclosed Critical Parameter Report Form at the intervals
**** indicated on the enclosed Required Frequency of Laboratory Analyses Form.
Analyses shall be performed by a state certified laboratory or by a company laboratory approved by the Sanitation Districts.

Very truly yours,

John D. Parkhurst
Chief Engineer and
General Manager

By Jay G. Kremer
Jay G. Kremer
Head, Industrial Waste Section

JGK:BSB:se
cc: Montrose Chemical Corp. of Calif.
500 S. Virgil
Los Angeles, Ca. 90005
Attn: John L. Kallok

Encls. *, **, ***, ****

SANITATION DISTRICTS OF LOS ANGELES COUNTY

INDUSTRIAL WASTE SECT

REQUI , FREQUENCY OF LABORATORY ALYSES

SFUND RECORDS CTR
0639-03596

Firm Name Montrose Chemical Corp. of California Date June 5, 1974

ddress of Property Producing Wastewater Discharge 20201 S. Normandie Ave.
Torrance, Ca. 90507

Industrial Wastewater Discharge Permit No. 1487

SIC No. 2879

Estimated Annual Wastewater Flow Volume 845,000 gallons

The following test data shall be reported at the indicated frequencies to the Sanitation Districts on the Districts' Critical Parameter Report Form:

Test		Minimum Frequency Required For	
Ident. Code.	Parameter	Industrial Wastewater Treatment Surcharge Statement Analyses 1/	Industrial Wastewater Characterization 2/ Analyses
A	Flow (Total)		1 per 6 months
B	Flow (Peak)		1 per 6 months
C	COD		1 per 6 months
D	Suspended Solids		1 per 6 months
E H	pH Sulfide		1 per 6 months 1 per 6 months
	Cyanide Flouride		1 per 6 months 1 per 6 months
M P	Arsenic-Total Cadmium-Total		1 per 6 months 1 per 6 months
Q S	Chromium-Total Copper-Total		1 per 6 months 1 per 6 months
T U	Iron-Total Lead-Total		1 per 6 months 1 per 6 months
V W	Manganese-Total Mercury-Total		1 per 6 months 1 per 6 months
Y FF	Nickel-Total Zinc-Total		1 per 6 months 1 per 6 months
GG HH	Oil & Grease Phenols		1 per 6 months 1 per 6 months
JJ KK	Chlor. Hydrocarb Pesticides		1 per 3 months 1 per 3 months
MM	Temperature		1 per 6 months

1/ These analysis data shall be submitted annually with the industrial wastewater treatment surcharge statement.

2/ Industries required to submit only annual characterization analysis data should submit it directly to the Districts on July 1; industries required to submit data every 6 months should submit data on January 1 and July 1; industries required to submit data every 3 months should submit data on January 1, April 1, July 1, and October 1. Required industrial wastewater characterization analysis data not received within 45 days of the required date will be considered delinquent and a possible cause for revocation of the Industrial Wastewater Discharge Permit.

SANITATION DISTRICTS OF LOS ANGELES COUNTY
INDUSTRIAL WASTEWATER
CRITICAL PARAMETER REPORT FORM

Ident. Code	PARAMETER 1/	2/	QUANTITY VALUES	Ident. Code	PARAMETER 1/	2/	QUANTITY VALUES
A	Flow (Total)		gals/day	V	Manganese - Total		mg/l
B	Flow (Peak)		gals/min.	W	Mercury - Total		mg/l
C	COD		mg/l	X	Molybdenum - Total		mg/l
D	SS (Suspended Solids)		mg/l	Y	Nickel - Total		mg/l
E	pH		Units	Z	Selenium - Total		mg/l
F	Total Dissolved Solids		mg/l	AA	Silver - Total		mg/l
G	Ammonia (N)		mg/l	BB	Sodium - Total		mg/l
H	Sulfide		mg/l	CC	Thallium - Total		mg/l
I	Cyanide		mg/l	DD	Tin - Total		mg/l
J	Fluoride		mg/l	EE	Titanium - Total		mg/l
K	Aluminum - Total		mg/l	FF	Zinc - Total		mg/l
L	Antimony - Total		mg/l	GG	Oil & Grease (Hexane Extract)		mg/l
M	Arsenic - Total		mg/l	HH	Phenols		mg/l
N	Beryllium - Total		mg/l	II	Surfactants (MBAS)		mg/l
O	Boron - Total		mg/l	JJ	Chlorinated Hydrocarbons (except pesticides)		mg/l
P	Cadmium - Total		mg/l				
Q	Chromium - Total		mg/l	KK	Pesticides (Chlor. Hycarb.)		mg/l
R	Cobalt - Total		mg/l	LL	Radioactivity (Alpha, Beta & Gamma)		pCi/l
S	Copper - Total		mg/l	MM	Temperature		Degrees °F
T	Iron - Total		mg/l	NN	Color		Units
U	Lead - Total		mg/l	OO	Thiosulfate (S)		mg/l
	NON-CRITICAL PARAMETERS (Report When Available)				OTHER PARAMETERS (Report When Requested)		
PP	Calcium		mg/l	A1			
QQ	Magnesium		mg/l	A2			
RR	Potassium		mg/l	A3			
SS	Barium		mg/l	A4			
TT	Nitrate		mg/l	A5			
UU	Chloride		mg/l	A6			
VV	Bromide		mg/l	A7			
WW	Sulfate		mg/l	A8			
XX	Phosphorus-Ortho		mg/l	A9			

NOTES:

1/ Report all critical parameters required by the Sanitation Districts and any other critical parameter known to be present in the wastewater. Those parameters required by the Districts but *known to be absent* from the wastewater may be reported by placing the word absent in the appropriate space.

2/ If values are obtained by measurements or analyses write A in this column. Analysis values must be determined, using representative 24-hour composite samples, by a State Certified or Districts Approved Laboratory. If values are obtained by estimate, write E in this column. *Estimated values are acceptable for new plants only.*

(Print) Name and Address of Laboratory Performing Analyses and Flow Measurements

(Print) Name of Company Having Wastewater Discharge: MONTROSE CHEMICAL CORP. OF CALIF.

SIC Number(s): 2879

(Print) Address of Wastewater Discharge: 20201 S NORMANDIE A., TORRANCE, CA. 90507

(Print) Additional Location Data (Data above should be for only *one* discharge point to the sewerage system)

Statement of Accuracy of Data

I hereby affirm that the above data comprise a true and correct representation of the wastewater discharged from the stated discharge point.

Date: _____ Location: _____, California _____

(Signed) Name _____ Position (Administrative Officer of Company with Wastewater Discharge).

TABLE V-7

PROPOSED INDUSTRIAL EFFLUENT LIMITS

CONSTITUENT	MAXIMUM CONCENTRATION AT ANY TIME	
	INTERIM (JAN. 1, 1975)	ULTIMATE (JAN. 1, 1977)
Arsenic, mg/l	-	(Undetermined)**
Cadmium, mg/l	-	(Undetermined)
Total Chromium, mg/l	5	0.8
Copper, mg/l	20	10
Lead, mg/l	-	(Undetermined)
Mercury, mg/l	2	2
Nickel, mg/l	10	5
Silver, mg/l	-	(Undetermined)
Zinc, mg/l	30	15
Cyanide, mg/l	10	5
Phenolic Compounds, mg/l	-	No limit
Total Identifiable Chlorinated Hydrocarbons, mg/l	-	*
Ammonia, mg/l	-	(Undetermined)
Radioactivity, picocuries/l	-	(Undetermined)
Highly Acid, Alkaline, or Corrosive Substances, mg/l	0	0
Toxic Substances, mg/l	0	0

* No DDT series compounds will be allowed to be discharged. Limits on remainder of TICH compounds are as yet undetermined.

** (Undetermined) - It is anticipated limits will be established but the bases are not yet determined.

4. Descriptive Plans

a) Plot Plan. See enclosed drawing No. C1-B

b) Floor Plan. See enclosed drawing No. 186-151-2

c) The plant water originates from two sources, Los Angeles Department of Water and Power and the Dominguez Water Company. Los Angeles water is used for the plant sprinkler and fire hydrant systems and domestic water supply to the office and laboratory. The Dominguez water is used for process water. The average monthly consumption for Los Angeles Water Department and Dominguez Water is 20,000 and 37,500 gallons respectively.

d) See drawing No. C1-B

e) See enclosed drawings No. C1-B and 186-151-2

f) No pretreatment

g) The only industrial waters that enter the County sewer are blowdown water from our steam boilers and backwash water from our water softener. These waters are transferred to a calibrated storage tank and measured before discharging to the sewer. The average total volume of these waters is 2,700 gallons per day. Discharge rate 50 GPM.

h) No acid is discharged into the sewer.

i) All process water from the plant is collected in two concrete and plastic lined tanks and is picked up by vacuum trucks owned and operated by Chancellor and Ogden Inc. of Long Beach, California. The ultimate disposal of this water is either the Los Angeles County Sanitation Disposal Site No. 1 in Rolling Hills, California or to B.K.K. Co. Landfill in West Covina, California. The process water is neutralized caustic liquor from our DDT washing operation. Average daily amount hauled per day is 30,000 to 35,000 gallons.

j) The industrial water that enters the County sewer is kept separate from sanitary waste, and measured before discharging.

'TATION DISTRICTS OF LOS ANGELE ''NTY
INDUSTRIAL WASTEWATER
CRITICAL PARAMETER REPORT FORM

Ident. Code	PARAMETER 1/	2/	QUANTITY VALUES	Ident. Code	PARAMETER 1/	2/	QUANTITY VALUES
A	Flow (Total)		2700 gals/day	V	Manganese - Total		<0.05 mg/l
B	Flow (Peak)		50 gals/min.	W	Mercury - Total		0.0002 mg/l
C	COD		401 mg/l	X	Molybdenum - Total		— mg/l
D	SS (Suspended Solids)		1500 mg/l	Y	Nickel - Total		— mg/l
E	pH		11.4 Units	Z	Selenium - Total		— mg/l
F	Total Dissolved Solids		— mg/l	AA	Silver - Total		— mg/l
G	Ammonia (N)		— mg/l	BB	Sodium - Total		— mg/l
H	Sulfide		<0.005 mg/l	CC	Thallium - Total		— mg/l
I	Cyanide		6.0 mg/l	DD	Tin - Total		— mg/l
J	Fluoride		2.0 mg/l	EE	Titanium - Total		— mg/l
K	Aluminum - Total		— mg/l	FF	Zinc - Total		32 mg/l
L	Antimony - Total		— mg/l	GG	Oil & Grease (Hexane Extract)		— mg/l
M	Arsenic - Total		— mg/l	HH	Phenols		0.33 mg/l
N	Beryllium - Total		— mg/l	II	Surfactants (MBAS)		— mg/l
O	Boron - Total		— mg/l	JJ	Chlorinated Hydrocarbons (except pesticides)		<0.0005 mg/l
P	Cadmium - Total		<0.005 mg/l				
Q	Chromium - Total		<0.005 mg/l	KK	Pesticides (Chlor. Hycarb.)		— mg/l
R	Cobalt - Total		<0.005 mg/l	LL	Radioactivity (Alpha, Beta & Gamma)		— pCi/l
S	Copper - Total		0.08 mg/l	MM	Temperature		101.5 Degrees °F
T	Iron - Total		1.1 mg/l	NN	Color		— Units
U	Lead - Total		<0.005 mg/l	OO	Thiosulfate (S)		— mg/l
	NON-CRITICAL PARAMETERS (Report When Available)				OTHER PARAMETERS (Report When Requested)		
PP	Calcium		mg/l	A1			
QQ	Magnesium		mg/l	A2			
RR	Potassium		mg/l	A3			
SS	Barium		mg/l	A4			
TT	Nitrate		mg/l	A5			
UU	Chloride		mg/l	A6			
VV	Bromide		mg/l	A7			
WW	Sulfate		mg/l	A8			
XX	Phosphorus-Ortho		mg/l	A9			

NOTES

1/ Report all critical parameters required by the Sanitation Districts and any other critical parameter known to be present in the wastewater. Those parameters required by the Districts but *known to be absent* from the wastewater may be reported by placing the word absent in the appropriate space.

2/ If values are obtained by measurements or analyses write A in this column. Analysis values must be determined, using representative 24-hour composite samples, by a State Certified or Districts Approved Laboratory. If values are obtained by estimate, write E in this column. *Estimated values are acceptable for new plants only.*

(Print) BIO TECHNICS LABS INC 1133 CRENSHAW BLVD, L.A.
Name and Address of Laboratory Performing Analyses and Flow Measurements

(Print) MONTROSE CHEMICAL CORPORATION 2879
Name of Company Having Wastewater Discharge — SIC Number(s)

(Print) 20201 NORMANDIE, TORRANCE, CALIF
Address of Wastewater Discharge

(Print) —
Additional Location Data (Data above should be for only *one* discharge point to the sewerage system)

Statement of Accuracy of Data

I hereby affirm that the above data comprise a true and correct representation of the wastewater discharged from the stated discharge point.

Date 4/1/74 Location Torrance, California

John L. Kalbe Plant Manager
(Signed) Name — Position (Administrative Officer of Company with Wastewater Discharge)

CARL WILSON ENVIR MENTAL DIVISION-BIO-TECHNICS LABORATORIES, INC.

Montrose Chemical Corp.
20201 S. Normandie
Torrance, California

Test Report No. 1-5-538
Date: March 20, 1974
P.O. 186-8813

Sample: One (1) gallon wastewater, 24 hour sewer composite taken 11:00 A.M. 3/19/74 to 11:00 A.M. 3/20/74 by Montrose Chemical personel.

Examination: CHEMICAL ANALYSIS

Reference: 1) "Standard Methods for the Examination of Water and Wastewater," 13th Edition, 1971.
2) Atomic Absorption Spectroscopy.

Results:

Analyte (BTP Procedure No.)	Parts per Million (Milligrams per Liter)
1. Phenolic compounds (5-1-025-69)	0.33
2. Iron (5-1-019-70)	1.1
3. Manganese (5-1-036-70)	<0.05
4. Chemical Oxygen Demand (5-1-046-70)	401
5. Suspended Solids (5-1-031-69)	1500
6. pH (5-1-026-70)	11.4
7. Lead (5-1-057-70)	<0.005
8. Cadium (5-1-059-70)	<0.005
9. Chromium (5-1-010-69)	<0.005
10. Copper (5-1-084-71)	0.08
11. Sulfide (5-1-078-71)	<0.005
12. Zinc (5-1-063-70)	32
13. Mercury (5-1-060-70)	0.0002
14. Cobalt (5-1-055-70)	<0.005
15. Fluoride (5-1-016-69)	2.0
16. Chlorinated hydrocarbon (5-4-002-71)	<0.0005
17. Cyanide (5-1-072-71)	6.0
18. Temperature	100.5°F
19. Peak Flow	50 gals/min.
20. Total Flow	2700 gals/day

Examination by: Chian Shan I. per B.J.C
Chian Shan I, M.S., Chemist

Approved by: R.T. Lottritz
R.T. Lottritz, B.S., Chief Chemist 3-29-74

The conclusions and data herein apply only to the items tested and are not indicative of the quality or condition of apparently identical or similar products. This report is submitted for the exclusive use of the addressee. No use or mention of our name or the name of any member of our staff may be made in connection with any form of advertising or other public announcement without written authorization by an officer of BIO-TECHNICS LABORATORIES, INC.

APPLICATION NO.

E 16630

EXISTING INDUSTRY

PERMIT NO.

PEF FOR INDUSTRIAL WASTEWATER L ARGE

SANI ION DISTRICTS OF LOS ANGELES COUNTY

2020 Beverly Blvd., Los Angeles, Calif. 90057

John D. Parkhurst, Chief Engineer and General Manager

Torrance, Calif.* 3 / 29 / 74 (MO. DAY YR.)

APPLICATION IS HEREBY MADE BY* Montrose Chemical Corporation of California (PRINT) (FIRM NAME) A

(Mailing Address) 500 S. Virgil (STREET) cos Los Angeles, California 90005 (CITY) (STATE) (ZIP) E

Tenant (OWNER, TENANT, ETC.) G of the property located at:

(Street) 20201 S. Normandie Ave. (PRINT) (City) Torrance, California (Zip) 90807

(ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Assessors Map Book No.* 7351 Page No.* 003 Parcel No.* 010-0012 K

(LEGAL ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

20201 S. Normandie Torrance, California (PRINT)

(LOCATION OF POINT OF WASTEWATER DISCHARGE TO SEWERAGE SYSTEM)

for a Permit for Industrial Wastewater Discharge to the sewerage system.

Type of Industry* See attached sheet (GENERAL DESCRIPTION) M, 17 2879 (FEDERAL SIC NOS.) O

Number of Employees (Full Time)* [redacted] 163 (Part Time)* none S

Raw Materials Used* Chloral, Monochlorbenzene, oleum, caustic soda (GENERAL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED) U

Products Produced DDT (GENERAL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED)

Wastewater Producing Operations All industrial wastes are hauled by contractor to a Class 1 landfill. Boiler blowdown, water softener, backwash and sanitary sewage from restrooms are discharged to sewer.

(FULL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED)

Time of Discharge – * 8:30 A.M. to 8:50 A.M. 4:40 AM to 4:50 AM 12:30 A.M. to 12:50 A.M. (INDICATE DAY, CROSS OUT AM OR PM) Days per Week* (M) (T) (W) (Th) (F) (Sa) (Su) (CIRCLE DAYS)

Wastewater Flow Rate* 2700 AA (Gallons Per Day)

Constituents of Wastewater Discharge Steam boiler blowdown is alkaline with high dissolved solids, softener backwash contain sodium & calcium chlorides.

(GENERAL DESCRIPTION – ATTACH CHEMICAL ANALYSES RESULTS TO THIS APPLICATION)

Person in company responsible for industrial wastewater discharge:

John L. Kallok (PRINT) (NAME) Plant Manager (POSITION) 328-~~6469~~ 5462 (TELEPHONE NUMBER) BB

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date 3/29, 19 74

Signature for Applicant John L. Kallok (COMPANY ADMINISTRATIVE OFFICIAL) (NAME) Plant Manager (POSITION)

Approved by City or County Official

Date April 2, 1974

Dept. of County Engineers ☐

City of Los Angeles ☑

Name Stephen C. Brand

Position Sr. Industrial Engineer

No City permit Connection to LACSD

Approved by Sanitation Districts of Los Angeles County

Date June 5 1974

John D. Parkhurst, Chief Engineer and General Manager

by L.D. Rose

Position Indust. Waste Engr.

Note: A permit fee may be required by the local City or County Agency.

This form when properly signed shall be a valid permit unless suspended or revoked.

TY OF LOS ANGE. S
CALIFORNIA

BOARD OF
PUBLIC WORKS
COMMISSIONERS
S. M. MARCUS
PRESIDENT
WARREN A. HOLLIER
VICE-PRESIDENT
DAVID LOZANO
MAX W. STRAUSS
ERNEST O. WEBBER

TOM BRADLEY
MAYOR

DEPARTMENT OF
PUBLIC WORKS
BUREAU OF SANITATION
ROBERT D. BARGMAN
DIRECTOR
JACK M. BETZ
ASSISTANT DIRECTOR
848 CITY HALL
LOS ANGELES, CALIF. 90012
485-5746

Harlan

Mr. John D. Parkhurst
Chief Engineer and General Manager
County Sanitation Districts of
Los Angeles County
2020 Beverly Boulevard
Los Angeles, CA 90057

Attention Mr. Jay Kremer, Supervisor in charge
Industrial Waste Section

Dear Mr. Parkhurst:

LACSD INDUSTRIAL WASTEWATER DISCHARGE - APPLICATION NO. E-16630

Subject applicant is Montrose Chemical Corporation of California, 500 S. Virgil, Los Angeles, CA 90005 (Installation: 20201 S. Normandie Ave. Torrance).

Transmitted is the original application approved by this Bureau along with pertinent data required by your office.

Very truly yours,

Jack M. Betz
ROBERT D. BARGMAN
Director

Transmittal

cc: Permit File
Montrose Chemical Corp. of CA

Rec'd 4-3-74
Cater file with
Joint permit file

ADDRESS ALL COMMUNICATIONS TO THE DIRECTOR

PLEASE TYPE OR PRESS HARD WHEN WRITING AND USE BALLPOINT PEN ON HARD SURFACE

APPLICATION NO. L 16630

EXISTING INDUSTRY

PERMIT NO.

PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
SANITATION DISTRICTS OF LOS ANGELES COUNTY
2020 Beverly Blvd., Los Angeles, Calif. 90057
John D. Parkhurst, Chief Engineer and General Manager

Torrance, Calif.* 3 / 29 / 74 (MO. DAY YR.)

APPLICATION IS HEREBY MADE BY* Montrose Chemical Corporation of California (PRINT) (FIRM NAME)

(Mailing Address) 500 S. Virgil (STREET) Los Angeles, California 90005 (CITY) (STATE) (ZIP)

Tenant (OWNER, TENANT, ETC.) of the property located at

(Street) 20201 S. Normandie Ave. (PRINT) (City) Torrance, California (Zip) 90507 (ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Assessors Map Book No.* 7351 Page No.* 003 Parcel No.* 010-0012 (LEGAL ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

20201 S. Normandie Torrance, California (PRINT) (LOCATION OF POINT OF WASTEWATER DISCHARGE TO SEWERAGE SYSTEM)

for a Permit for Industrial Wastewater Discharge to the sewerage system.

Type of Industry* See attached sheet (GENERAL DESCRIPTION) 2879 (FEDERAL SIC NOS.)

Number of Employees (Full Time)* 163 (Part Time)* none

Materials Used* Chloral, Monochlorbenzene, oleum, caustic soda (GENERAL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED)

Products Produced DDT (GENERAL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED)

Wastewater Producing Operations All industrial wastes are hauled by contractor to a Class 1 landfill. Boiler blowdown, water-softener backwash and sanitary sewage from restrooms are discharged to sewer. (FULL DESCRIPTION – ADD ADDITIONAL SHEETS AS NEEDED)

Time of Discharge – * 8:30 A.M. to 8:50 A.M. 4:40 AM to 4:50 AM (WORKING DAY – CROSS OUT AM OR PM) 12:30 A.M. to 12:50 A.M. Days per Week* (M) (T) (W) (Th) (F) (Sa) (Su) (CIRCLE DAYS)

Wastewater Flow Rate* 2700 (Gallons Per Day)

Constituents of Wastewater Discharge Steam boiler blowdown is alkaline with high dissolved solids, softener backwash contain sodium & calcium chlorides. (GENERAL DESCRIPTION – ATTACH CHEMICAL ANALYSES RESULTS TO THIS APPLICATION)

Person in company responsible for industrial wastewater discharge:

John L. Kallok (PRINT) (NAME) Plant Manager (POSITION) 328-6469 (TELEPHONE NUMBER)

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date 3/29, 19 74

Signature for Applicant John L. Kallok (ANY ADMINISTRATIVE OFFICIAL) (NAME) Plant Manager (POSITION)

Approved by City or County Official

Date April 2, 1974 No City permit connection LACSD.

Dept. of County Engineers ☐

City of Los Angeles ☑

Approved by Sanitation Districts of Los Angeles County

Date

John D. Parkhurst, Chief Engineer and General Manager

SFUND RECORDS CTR
0639-93392

(41)

F

APPROPRIATION REQUEST NO. 186-188

PLANT: ose Chemical Corp. of Calif.	LOCATION: Torrance, Calif	DATE PREPARED: 9/11/74	AMOUNT OF THIS REQUEST: $26,400
PROJECT: -Baghouse and new Flake Hopper for DDT Plant	ASSET LIFE:	PROPOSED STARTING DATE: 2/3/75	PREVIOUS AMOUNT REQUESTED: None
DIVISION: nvironmental Control — CAPITAL EXPENSE ☒	REPORT OF CHANGES REQUIRED: YES ☐ NO ☐	EST. COMPLETION DATE: 2/28/75	REVISED A/R AMOUNT:

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT
PRIATED FUNDS – T OF THIS REQUEST)		
G CAPITAL		
INVESTMENT		

RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
NET SALES		
NET EARNINGS		
CASH FLOW		
R.O.I.	NA	%
PAYOUT PERIOD	NA	YRS.
PRESENT VALUE RETURN	NA	

OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
REASE IN VOLUME			
REASE IN SALES PRICE			
DESCRIBE):			

E NET SALES AT BREAK-EVEN POINT $ _____

SIBILITY ASSIGNMENTS:

ED BY	Raivo E. Neggo	PROJECT ENGINEER	R.E. Neggo
RECTOR	Guy A. Dimichele	CAPITAL COST ESTIMATE	R.E. Neggo
SPONSIBILITY	B.I. Bratter	CONSTRUCTION BY	Montrose Maint
OLUME AND PRICING		PROJECT COST CONTROLS—REPORTING	R.E. Neggo
TION COST FORECAST		SAFETY AND LOSS CONTROL	R.E. Neggo
CTURING LIAISON		ENVIRONMENTAL CONTROL	R.E. Neggo
		START-UP	R.E. Neggo

TION OF PROJECT (If supplemental information is not provided, enter herein estimated distribution of appropriated funds, as per SP 1—2)

This is an air pollution control project consisting of a baghouse to alleviate a dust and fume problem at DDT plant and construction of a new flake hopper. The installation will be designed to pass Los Angeles A.P.C.D. standards.

SEP 1974 RECEIVED MONTROSE CHEMICAL L.A

Distribution
1. J.L. Kallok
2. Samuel Rotrosen
3. R. Yukihiro
4. G.R. Bowland (2)
5. K.M. Overbeck

ED BY – DATE		
9/12/74 . Kallo ORIGINAL SIGNED BY J. L. KALLOK	9/13/74 Max Sobel ORIGINAL SIGNED BY M. SOBELMAN	
9/16/74 ORIGINAL SIGNED BY S. ROTROSEN	K.M. Overbeck	
9/19/74 ORIGINAL SIGNED BY . Bowland G. R. BOWLAND		

MON 102

POOR QUALITY ORIGINAL

SUPPLEMENTAL INFORMATION to A.R. 186-188

Background Information

A nuisance dust and fume problem exists at the DDT Plant. DDT dust is generated along the conveyor belts, and where the belts enter the hoppers, i.e. Flake and Krisp-Chip.

The fume problem exists at the upper portion of the hoppers, especially the flake hopper. Approximately once a shift an employee must go to the top of the flake hopper and manually scrape the inside walls clean of any DDT build-up.

Presently DDT is being bagged while relatively warm. This warm material tends to build up in the hoppers and clog the bagging machines. Excessive delays result when this equipment must be intermittently cleaned in order to keep it operational.

The present flake hopper has been in continuous service for over 20 years and is worn out. It cannot be put under suction without extensive repairs.

The present Krisp-Chip hopper will have to be replaced eventually. A more efficient classifying system must be developed prior to the design and construction of a new chip hopper; development will take time to accomplish. This A.R. does not include any funds for a new chip hopper system. Another A.R. in the future, will take care of this problem.

Purpose and Justification of Proposed Work

The installation of a baghouse should eliminate the dust and fume problem. Suction on the bagging machines should keep them from clogging as often as they do now. The cooling effect of the air will give a cooler material which does not clog as readily as the warmer material.

The recovered DDT will be sent to the Dust Plant.

Initially only the bagging machines and the new flake hopper will be connected to the baghouse/blower system. This action will allow the system to be on line in a relatively short period of time. However, the baghouse/blower have been sized

MON 102

POOR QUALITY ORIGINAL

so as to be able to handle any new chip hopper system that will be constructed later.

The Principal Work Involved in the Project

Assembly and installation of a shaker type baghouse with blower and accessories.

Construction and installation of a new flake hopper.

Hooking up the bagging machines and the new flake hopper to the baghouse/blower system.

Estimated Cost of the Project

Baghouse	$8,500
Labor 750 M.H. @ $10.00	7,500
Material- piping, sheet metal	4,500
Electrical, 1-circuit	1,500
Sub-Total	$22,000
Contingency (20%)	4,400
Total	$26,400

Long Range Investment

None

Start-Up Expenses

None anticipated

Additional Use or Demand on Existing Plant Facilities

The conveyor belt housing leading to the flake hopper will serve as an enclosed duct with air being pulled up its length; utilizing it in this fashion permits additional cooling of the DDT prior to the bagging operation as well as the pick-up of any dust generated.

Alternatives to this A.R.

Await development of a new chip hopper system. Then the entire baghouse/blower system will be on line at the same time. However, this is not a recommended alternative.

Risk Considerations

None

Safety and Loss Control

All safety requirements will be followed and will be under the responsibility of the project engineer.

MON 102 - 11110

POOR QUALITY ORIGINAL

Environmental Considerations

The baghouse and vent system are necessary to alleviate a dust and fume problem at the DDT plant. All necessary Los Angeles A.P.C.D. equipment and operating permits will be obtained as needed.

Insurance

There should be no changes in insurance rates.

Economic Basis and Calculations

This is not a savings project.

Engineering Drawings and Sketches

Engineering drawings will be started as soon as the A.R. approved.

Estimated Distribution of Appropriated Funds

These funds will be charged 100% to plant equipment.

Raivo E. Neggo
Raivo E. Neggo
Process Engineer

REN:jt

MON 102

POOR QUALITY ORIGINAL

(42)

76N634A 4/71

Air Pollution Control District — Los Angeles County

434 S. SAN PEDRO ST., LOS ANGEL CALIFORNIA 90013

CORP	X
PART	
INDIV	

NOTICE OF VIOLATION

10-3-74
DATE OF VIOLATION

NAME: Montrose Chemical — PHONE: FA8 5469

ADDRESS: 2020 So Normandie — CITY: Torrance

RE PREMISES AT: same — CITY:

INSTALLING CONTRACTOR: — CITY:

YOU ARE HEREBY NOTIFIED THAT PURSUANT TO SECTION 24242 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA A MISDEMEANOR HAS BEEN COMMITTED THROUGH THE discharge of air contaminants of an opacity in excess of that allowed from a Post Type Reactor (acid)

POINT OF OBSERVATION: immediately south of plant at 400 msl.

WEATHER: Haze — WIND N (E) (S) W

ARRIVAL: 8:25 AM PM

DEPARTURE: 8:34 AM PM

WAS SOURCE EMITTING VISIBLE DISCHARGE AT END OF OBSERVATION? YES ☒ NO ☐

R. No. OR OPACITY: 60%

EMISSION FROM: (EOC) CONTROL / OPEN FIRE

Permit No. P-54633

VISIBLE EMISSIONS OBSERVED

START		STOP		MIN.	R. No. % OP.	COLOR
8	26	8	33	7	60	Bluish-white

TOTAL — MIN. 7

SERVED TO John Kallok

TITLE Plant Mgr

Date of Service 10-3-74 By E.D.

Sector CN

RALPH E. GEORGE
Director of Enforcement

Eldon R. Johnson Badge No. 97

No. FA 7378

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SFUND RECORDS CTR
0639-93393

43

Stauffer

STAUFFER CHEMICAL COMPANY

APPROPRIATION REQUEST NO. 1-3-194

DIVISION OR COMPANY: ontrose Chemical Corp. of Ca.	LOCATION: Torrance, Ca.	DATE PREPARED: 5/7/75	AMOUNT OF THIS REQUEST: $ 30,400
NAME OF PROJECT: Addition to Existing Dust lant Building	ASSET LIFE: -	PROPOSED STARTING DATE: 6/1/75	PREVIOUS AMOUNT REQUESTED:
CLASSIFICATION: nvironmental — CAPITAL [X] EXPENSE [ ]	REPORT OF CHANGES REQUIRED: YES [ ] NO [ ]	EST. COMPLETION DATE: 7/1/75	REVISED A/R AMOUNT:

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT	RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
PPROPRIATED FUNDS – MOUNT OF THIS REQUEST)	30,400		NET SALES		
			NET EARNINGS		
			CASH FLOW		
ORKING CAPITAL					
			R.O.I.	NA	%
OTAL INVESTMENT	30,400		PAYOUT PERIOD	NA	YRS.
			PRESENT VALUE RETURN	NA	

FFECT OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
% DECREASE IN VOLUME			
% DECREASE IN SALES PRICE			
THER (DESCRIBE):			

VERAGE NET SALES AT BREAK-EVEN POINT $ _____

SPONSIBILITY ASSIGNMENTS:

PREPARED BY	Lane Hodgin	PROJECT ENGINEER	
T DIRECTOR		CAPITAL COST ESTIMATE	
CESS RESPONSIBILITY		CONSTRUCTION BY	
LES VOLUME AND PRICING		PROJECT COST CONTROLS—REPORTING	
ODUCTION COST FORECAST		SAFETY AND LOSS CONTROL	Lane Hodgin
ANUFACTURING LIAISON		ENVIRONMENTAL CONTROL	
		START-UP	

SCRIPTION OF PROJECT (If supplemental information is not provided, enter herein estimated distribution of appropriated funds, as per SP 1—2)

Installation of a small office and a 1,300-square foot metal addition to the existing Dust Plant Building, complete with fire sprinkling system, sufficient lighting, and a concrete floor.

Distribution

1. Max Sobelman
2. Samuel Rotrosen
3. Robert Yukihiro
4. K.M. Overbeck
5. G.R. Bowland (2)

APPROVED BY – DATE		
x Sobelman Max Sobelman 5/20/75	5/20/75 G.R. Bowland (2)	
hn L. Kallok J. Kitallok 5/12	K.M. Overbeck	
muel Rotrosen 5/15/75		

FORM 0830-000-00-D (10 72)

MON 102

POOR QUALITY ORIGINAL

POOR QUALITY
ORIGINAL

SUPPLEMENTAL INFORMATION TO A.R. 186-194

1. Background Information

The 75% DDT W.D.P. Grinding Plant began production in 1964 and since then many modifications have been made to increase production, improve quality, and improve the process conditions in general. To implement these modifications, it became necessary to install additional production equipment outside the existing buildings; however, although planned, no adequate cover has been provided for this equipment and work area.

2. Purpose and Justification of this Proposal

The purpose of this proposal is to provide adequate shelter from the elements for the equipment, material in process, and the employees in the work area outside of the Dust Plant Building.

It is planned to provide additional space for the processed material storage and a work area under the new roof. Presently, the electrical panel board room is used as a foremens' office, which is not recommended by our insurance carrier. A new 8' x 12' pre-fabricated office will be installed in the existing building to provide the necessary office space.

In the grinding operation, it is necessary to transport many open bins filled with a finely ground material into this outside area for processing. When it is windy the air scatters this dust throughout the building and into the surrounding area. A protective wind shield has been installed in this area, but it is ineffective. The proposed addition will not only provide needed shelter, but will also prevent the loss of DDT into the environment.

3. Detailed Description of the Proposed Work

The proposed addition will match the construction and design of the existing Dust Plant Building. This free-standing addition will cover approximately 1,300 square feet and will enclose the pregrind bin staging and dumping area. There will be one exit door and a roll-up door for access. Installation of adequate lighting, fire sprinkling system, and a 24' x 22' x 6" concrete slab will be included in the construction of this addition.

MON 102 . 0 0 0

POOR QUALITY ORIGINAL

The pre-fabricated 8' x 12' module will be purchased and installed inside the present Dust Plant Building for use as a foremen's office.

Estimated Cost of the Project

Cost of the Building Structure	$17,700
Cost of the Building Footings & Slab	3,300
Pre-fabricated Office	2,000
Sprinkling System	2,400
Lighting	2,500
Contingencies	2,500
Total	30,400

Additional Use of Existing Plant Facilities

None.

Alternative to this Appropriation Request

None.

Estimated Annual Savings

This is not a savings project.

Safety

The normal precaution of barricading open trenches and excavations will be made, conforming to OSHA standards, by the contractor. The undersigned will be responsible for this and other safety features of this project.

Environmental Considerations

The installation of the building addition should prevent the wind from blowing dust into the building and the surrounding area, and improve the over-all Plant image in the community.

Insurance

Not a factor.

Lane Hodgin
Dust Plant Superintendent

LH:la

MON 102 1410

POOR QUALITY ORIGINAL

(44)

AIR POLLUTION CONTROL DISTRICT - LOS ANGELES COUNTY
434 SO. SAN PEDRO ST., LOS ANGELES, CALIFORNIA 90013

NOTICE OF VIOLATION

JUN 3 1975
(DATE OF VIOLATION)

(NAME)

[illegible]
(ADDRESS) (CITY)

[illegible]
(LOCATION - ADDRESS OF VIOLATION)

(CITY) CN 3285462
(SECTOR) (TELEPHONE NO.)

YOU ARE HEREBY NOTIFIED A MISDEMEANOR HAS BEEN COMMITTED PURSUANT TO:

CALIFORNIA STATE HEALTH AND SAFETY CODE

SECTION 24242 SECTION

LOS ANGELES COUNTY A.P.C.D. RULES AND REGULATIONS

RULE RULE

AIR CONTAMINANT SMOKE ODORS DUST FUMES GASES ACIDS
PARTICULATE MATTER OTHER

OPACITY 75% AGGREGATING 5 MIN. FROM [illegible] am/pm TO [illegible] am/pm

SOURCE OF EMISSION DISCHARGE OF AIR CONTAMINANTS [illegible]

CONTROL NO:

BY: [illegible] #41
(INSPECTOR)

[illegible] #42
(INSPECTOR)

TELEPHONE (213) 974-74

SERVED TO: [illegible] DATE 7/4/75

TITLE: [illegible] BY: [illegible] #41
(INSPECTOR)

No. G 9176

76N634A-6/74

RALPH E. GEORGE
DIRECTOR OF ENFORCEMENT

03/20/98 FRI 18:03 FAX 7144292050 CH2M HILL/SCO

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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

45

MAILING ADDRESS
BOX 2418
TERMINAL ANNEX
LOS ANGELES, CALIFORNIA 90054

PERMIT

OFFICE ADDRESS
2250 ALCAZAR STREET
LOS ANGELES
TELEPHONE: ~~223-2111~~ 226-4208

STREAM: Storm Drain Bond Issue Project No. 685
Kenwood Avenue (1958 Supplemental)

FILE NO. 275-685.032

PERMITTEE: National Supply Division
Armco Steel Corporation
1524 Border Avenue
Torrance, CA 90509

PERMIT NO. 75523-A

TELEPHONE: 7

PURPOSE OF PERMIT
modify existing inlets at Stations 3+81 and 12+65 and to raise manholes at Stations 7+26 and 5+00 to the proposed finished grade as shown on the enclosed plans.

APPLICATION DATED: August 8, 1975

PERMIT ISSUED: October 2, 1975

EXPIRE: ~~XX~~

FEES:
INSPECTION: 35, paid
ANNUAL: None

BY AUTHORITY OF THE BOARD OF SUPERVISORS DATED MARCH 28, 1950

A. E. BRUINGTON, CHIEF ENGINEER

P. H. Emery
Supervising Civil Engineer II, Construction

Receipt No. 700337-0, enclosed

THIS PERMIT IS SUBJECT TO THE PROVISIONS LISTED ON THE REVERSE SIDE HEREOF EXCEPT AS EXPRESSLY MODIFIED IN THE ADDITIONAL PROVISIONS LISTED BELOW.

PERMITTEE MUST NOTIFY A. Kenis BY TELEPHONE ~~223-2111~~ 226-4206 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS PERMIT. FAILURE TO SO NOTIFY IS CAUSE FOR REVOCATION OF PERMIT. SHOULD PERMITTEE FAIL TO TAKE ACTION WITHIN 360 DAYS FROM DATE OF ISSUANCE OF THIS PERMIT OR FAIL TO ACTIVELY AND DILIGENTLY EXERCISE THE PRIVILEGES OF THIS PERMIT, THE PERMIT BECOMES NULL AND VOID.

1. This permit is valid only to the extent of District jurisdiction. The discharge of industrial waste or sewage is prohibited.

2. Should work take place between October 15 and April 15, permittee shall obtain a long-range weather forecast before breaking into the main line storm drain. Construction of facilities connecting to the main line will be permitted only during a clear weather forecast. Once operations under this permit are initiated, the work shall be conducted in a continuous manner until completed.

3. Upon satisfactory completion of construction, the District will assume operation and maintenance of the connecting facilities.

4. The connection of the 18-inch reinforced concrete pipe to the existing stubs shall be made in accordance with District Standard Drawing No. 2-D 393, a copy of which is enclosed herewith and made a part hereof.

5. Manholes to be raised shall be done in accordance with District Standard Drawing No. 2-D 107, a copy of which is enclosed herewith and made a part hereof.

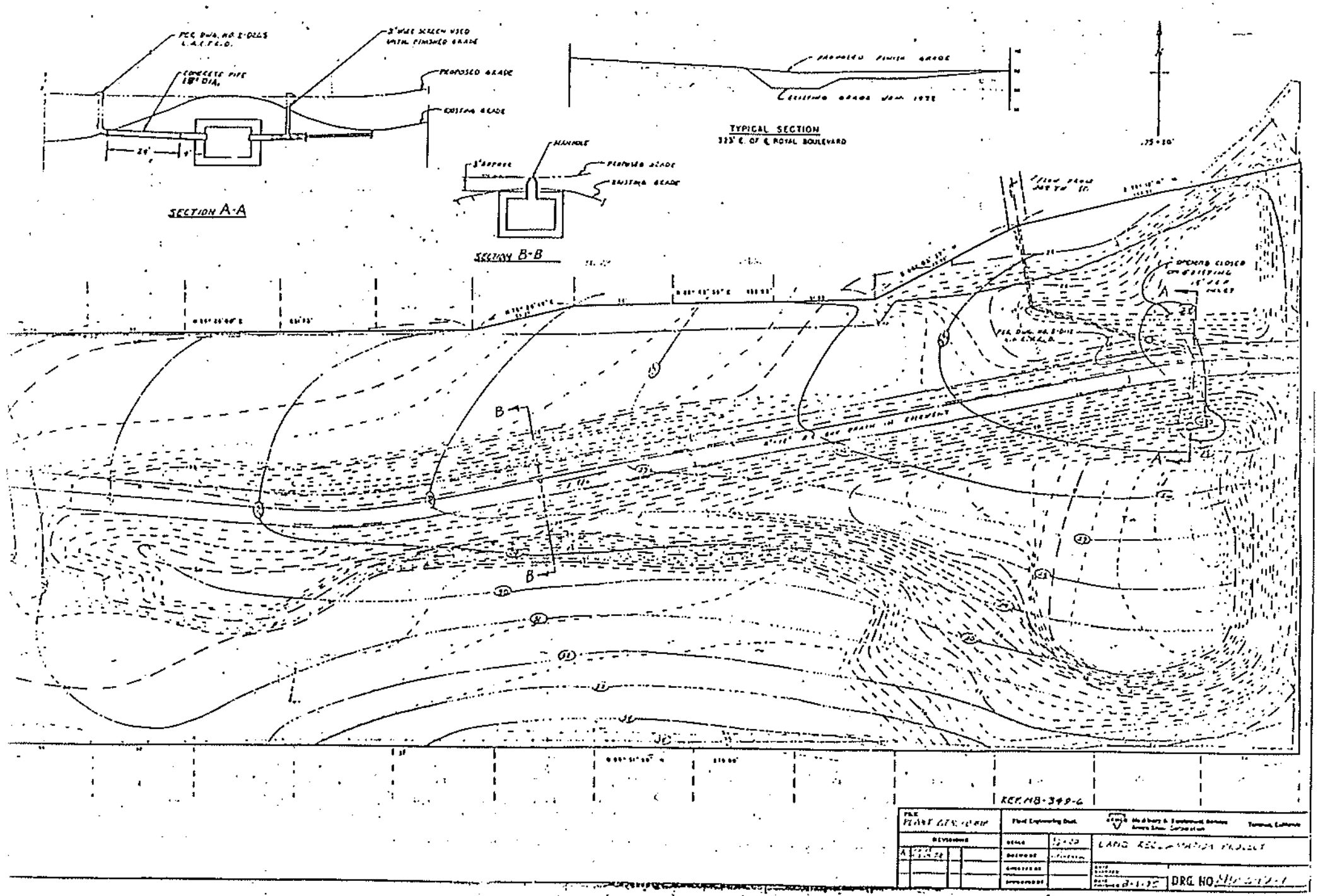
D:ams 10/6/75
nc. 4

RECEIVED

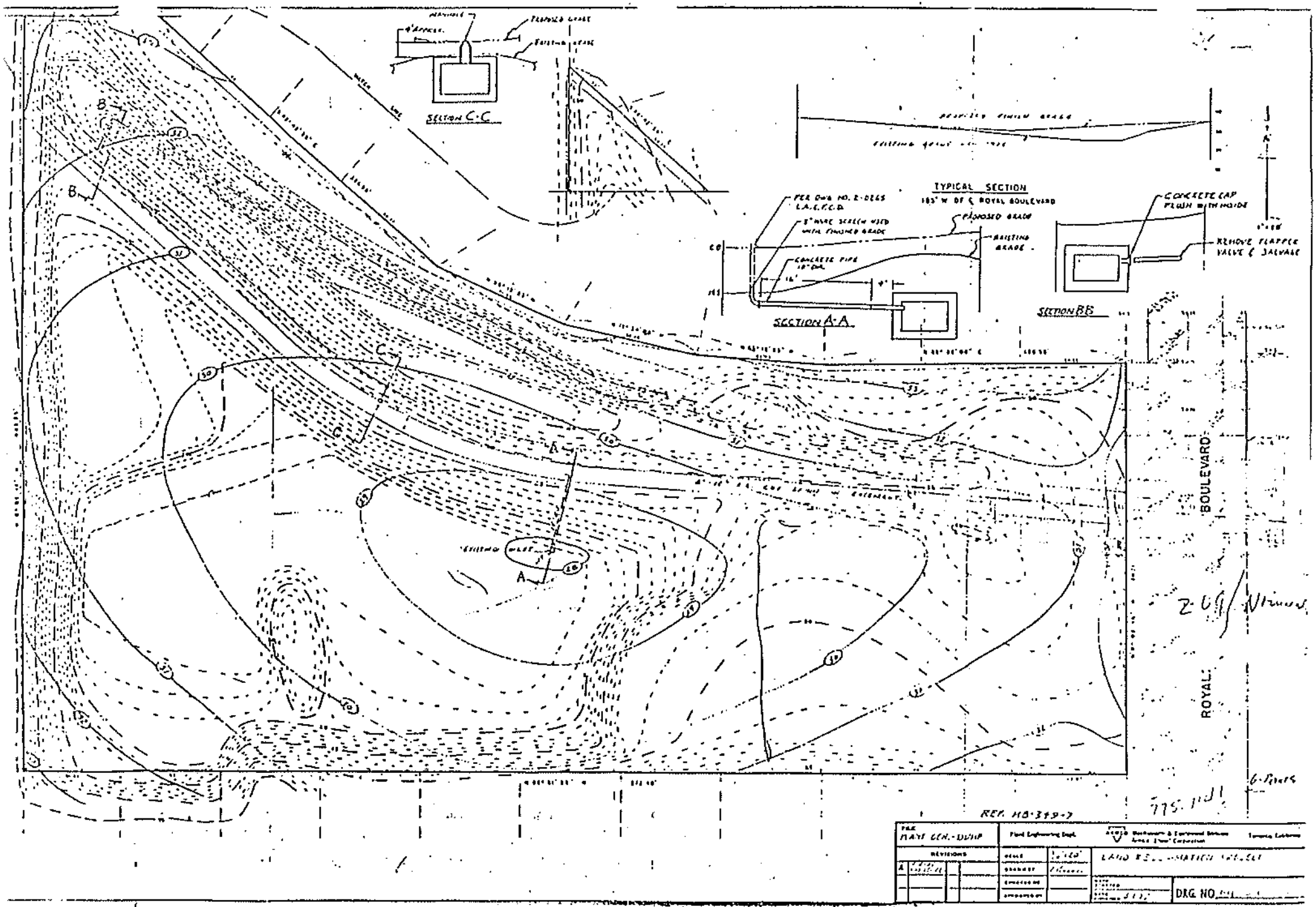
Operation and Maintenance, Water Conservation, Construction (4), General Files

A COPY OF THIS PERMIT SHALL BE KEPT AT THE SITE OF THE WORK THROUGHOUT THE PERIOD OF OPER WITHIN DISTRICT RIGHTS OF WAY AND SHALL BE SHOWN TO ANY DISTRICT REPRESENTATIVE OR ANY LAW MENT OFFICER UPON DEMAND.

EXERCISE OF THIS PERMIT SHALL INDICATE ACCEPTANCE OF AND AGREEMENT TO COMPLY WITH ALL PROVISIONS INCLUDED VIOLATION OF ANY PROVISION SHALL BE CAUSE FOR IMMEDIATE REVOCATION OF PERMIT.



SECTION A-A
PROPOSED GRADE
EXISTING GRADE
TYPICAL SECTION
SECTION B-B
MANHOLE
PROPOSED GRADE
EXISTING GRADE
B
B
A
A
REF. MB-349-6
Plant Engineering Dept.
Modbury & Environmental Services
Torrance, California
REVISIONS
LAND RECLAMATION PROJECT
DRG. NO.


SECTION C-C
TYPICAL SECTION
SECTION A-A
SECTION B-B
CONCRETE CAP FLUSH WITH INSIDE
REMOVE FLAPPER VALVE & SALVAGE
BOULEVARD
ROYAL
REF. HB-349-7
PLANT GEN.-DUMP
Plant Engineering Dept.
REVISIONS
DRG. NO.

Los Angeles County Flood Control District

Storm Drain Bond Issue Project No. 685
Kenwood Avenue (1958 Supplemental) - 275-685.032
Permit Application No. 75523-A
A. Dyson - October 2, 1975

---

1. Request and Location (Thomas Guide page 68, F-3)

In Letter No. 9779 dated August 8, 1975, the National Supply Division, of Armco Steel Corporation, requests permission to modify three existing inlets appurtenant to Project No. 685 in unincorporated County territory south of 209th Street and east and west of Royal Boulevard.

2. Jurisdiction

a. Description: Project No. 685 in the affected area is a rectangular box of reinforced concrete measuring 8 feet wide by 12 feet 6 inches high as shown on District Drawing No. 428-D 4.46 and 4.47.

b. Constructed by: The District

c. Right of way status: Easement

d. Maintenance and future proposals: The District maintains Project No. 685 and will continue to do so. The modified inlets will also be maintained by the District upon satisfactory completion of construction.

3. Background and Supporting Data

Armco Steel Corporation is presently using the property they own as a refuse dump. The request letter states that when the fill is completed, the area will be deeded to the County for a park site.

The inlets to be modified are at Station 3+81 and Station 12+85. The modifications consist of replacing the existing corrugated metal pipes with reinforced concrete pipe from the main line out to this point where the vertical risers will be connected. The risers will be of corrugated metal pipe and when the finished grade is reached, an Inlet No. 1 will be connected. The existing manholes at Stations 15+00 and 7+26 will also be raised to finished grade.

The original submittal called for leaving the existing corrugated metal pipe, temporary inlet pipe, in and extending the risers. In view of the depth of cover proposed, we requested the replacement with reinforced concrete pipe to reduce the possibility of collapse and for longer life. The permittee cooperated fully.

The new pipes will be connected to the existing stubs with concrete collars in accordance with District Standard Drawing No. 2-D 393 as a provision of the permit and the manholes will also be raised in accordance with District standards.

NATIONAL SUPPLY DIVISION
ARMCO STEEL CORPORATION

ARMCO

ADDRESS REPLY TO
1524 BORDER AVENUE
TORRANCE, CALIF. 90509

August 8, 1975

275-685.032

Mr. D. Y. Milne
Division Engineer
Los Angeles Flood Control District
P.O. Box 2418 Terminal Annex
Los Angeles, Calif. 90051

Subject: Building Permit for 3 Flood Control Drains

Dear Sir:

This piece of property as described by attached prints, is located south of 209th Street and is divided by Royal Blvd.

The property is now used as a refuse dump by Armco Steel Corporation, owner. When fill is completed the area is to be deeded over to the county for a park and of course when this happens the county will be expected to maintain the property. (Exception Case No. 5789-(4).

Yours truly,

John Hofmaister
Maintenance Engineer

JH:pee

Attachment:
$35.00 check for permit
(Check No. 140702)
cc: E. R. Treloar

TRUST
Received 8-20-75
Check Amount $ 35.00
K-700337-0

AUG 21 1975
PERMIT APPLICATION
NO. 75523-A

9779

December 12, 1974

275-685.032
Storm Drain Bond Issue
Project No. 685
Kenwood Avenue (1958 Supplemental)
Permit No. 74755-A
Connection

Mr. Treloar
ARMCO Steel Corp.
1524 Border Avenue
Torrance, CA 90501

Dear Mr. Treloar:

Enclosed is Permit No. 74755-A which authorizes ARMCO to connect a drainage pipe to District Project No. 685, Station 3+81, located east of Royal Boulevard near 209th Street. Verbal approval to proceed with the connection was given to Mr. Hofmaister, of your office, on December 10, 1974, in order to complete the work as soon as possible.

As our Mr. Iwamoto discussed with you on December 9, 1974, ARMCO's filling operations, specifically the one currently taking place on the north side of Project No. 685, have covered the District's drainage inlet at Station 3+81. Consequently, the inlet has been rendered completely inoperable and therefore cannot pick up storm run-off from the adjacent areas. In order to review this matter further, it is requested that you submit a grading plan to our Permit Section showing the ultimate finish grade of the fill area. The grading plan must also show that your proposed 8-inch drop inlet can adequately pick up storm run-off originating from the adjacent residential areas.

You are reminded that ARMCO is responsible for maintainin the 18-inch concrete pipe and 8-inch drop inlet in an operable condition at all times.

Yours very truly,

I. S. Holston
I. S. Holston
Chief, Contract Construction

12/13/74

GEI:ams 12/12/74 12/12

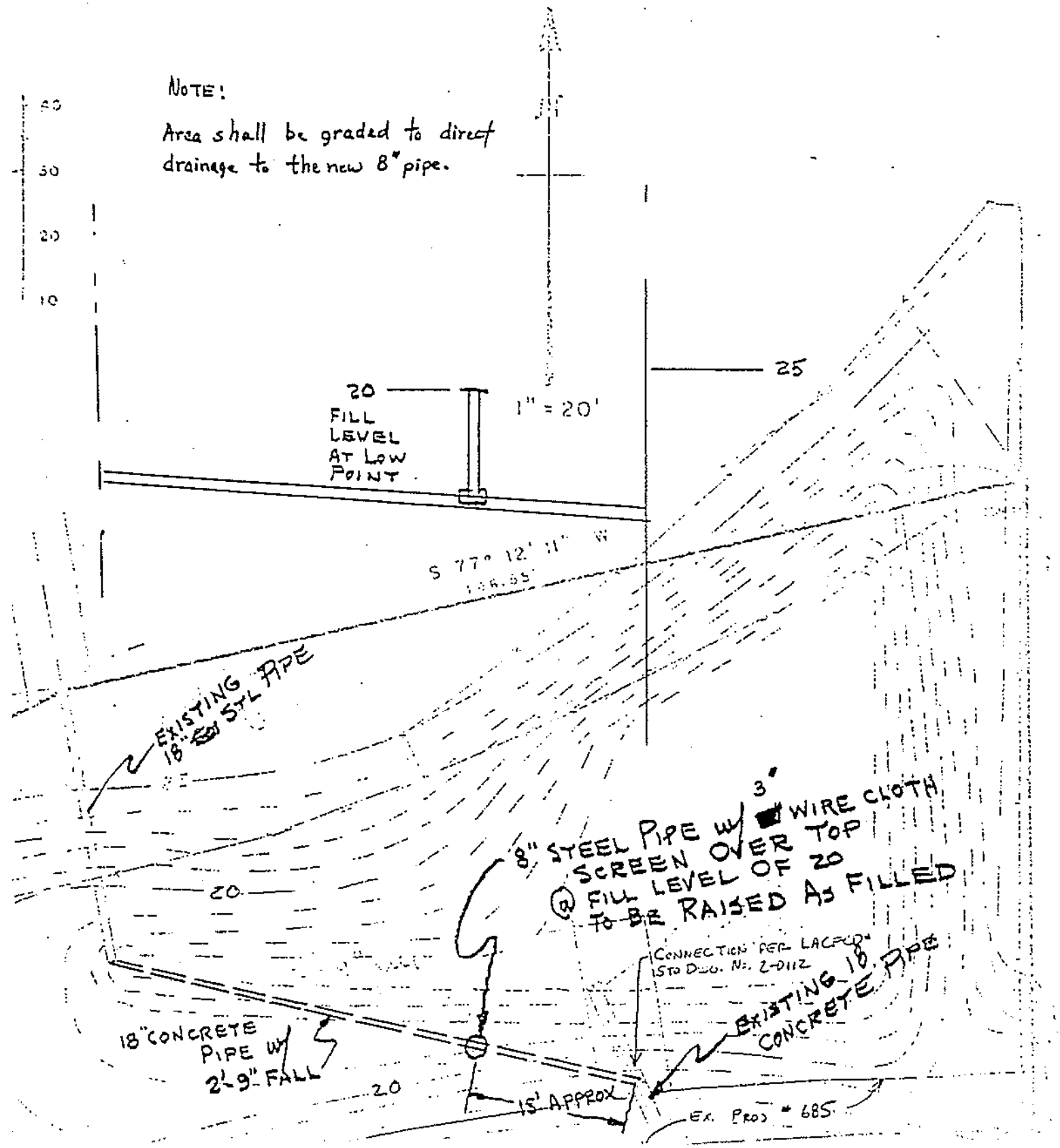
Enc.

12/16

cc: Operation and Maintenance
Water Conservation
Construction (4)
General Files

RECEIVED

John W. Hofmaster
Armco Steel Corp.
Torrance, Cal.



SFUND RECORDS CTR
0639-93458

46

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road / Whittier, California
Mailing Address: / P. O. Box 4998, Whittier, California 90607
Telephone: (213) 699-7411 / From Los Angeles (213) 685-5217

JOHN D. PARKHURST
Chief Engineer and General Manager

June 7, 1976

File No.: 98-9111.50.2.20A/76

Mr. Ralph Wilkinson
Midwest Research Institute
425 Volker Boulevard
Kansas City, Missouri 64110

Parkhurst
GARRISON
DIRKS
Posthumus

Dear Mr. Wilkinson:

Reference is made to your recent request for information relative to discharges of pesticides to the Sanitation Districts sewerage system.

In 1970, during the course of a trunk sewer survey aimed at locating sources of pesticide, a net input to the sewer system of 640 lbs/day of DDT was discovered in the vicinity of the Montrose Chemical Corporation, a DDT manufacturer. Through additional testing it was determined that approximately 600 lbs/day of this input was contained in the chemical plant's discharge, and that the remainder was contributed by DDT-laden sediments previously deposited in the sewer.

Shortly after this discovery, the Montrose Chemical Corporation discontinued the discharge of its caustic liquor waste, which contained the major portion of the DDT discharge, and within fourteen months eliminated all but sanitary and boiler blow-down wastes. During this period, the Sanitation Districts performed extensive sewer cleaning operations downstream of the Montrose discharge and successfully removed more than 280 tons of sewer sediment.

By 1972, the input of DDT to the Sanitation Districts system had been reduced to approximately 8 lbs/day, and during 1975 averaged approximately 6 lbs/day. With the current system flow, this amount represents less than 2 parts per billion influent to the Districts' Joint Water Pollution Control Plant.

JOHN D. PARKHURST

If you require further information, please feel free to contact this office.

Sincerely,

John D. Parkhurst
Chief Engineer and
General Manager

By
Franklin D. Dryden
Head, Technical Services Department

FDD:SRM:psb

SFUND RECORDS CTR
0639-93491

9/2/76

(47)

MATERIALS AND CHEMICALS PRODUCED, HANDLED, AND USED AT MONTROSE-TORRANCE PLANT

PRODUCTS PRODUCED AT THIS PLANT ARE:

Material	Where Handled
100% DDT Technical(Dichlorodiphenyl Trichloroethane) Chips and Flake	All areas
75% DDT(Dichlorodiphenyl Trichloroethane)Water Dispersible Powder	Form. & Grnd. Plant
75% DDT(Dichlorodiphenyl Trichloroethane) Malathion Water Dispersible Powder	Special Products Plant

RAW MATERIALS USED FOR DDT PRODUCTION

MCB-Monochlorobenzene, Chloral } Mix	DDT Process
65% Oleum - Strong Sulphuric Acid	DDT Process
50% Caustic - Sodium Hydroxide Diluted to 15% strength }	DDT Process Fume Scrubbers

RAW MATERIALS - 75% DDT WATER DISPERSIBLE POWDER

DDT - 100% Technical Chip or Flake	All Areas
Hi-Sil 233 - Amorphous Silica	Form. & Grnd. Plt. & Shipping
Igepon T-77 - Sulfonated fatty acid - wetter	Form. & Grnd. Plt.,& Shipping
Reax 45A - Premixed Igepon & Orzan	Form. & Grnd. Plt. & Shipping
Calcium Sulphate - Gypsum	Form. & Grnd. Plt. & Shipping

SFUND RECORDS CTR
0639-90444

(48)

Stauffer

STAUFFER CHEMICAL COMPANY

APPROPRIATION REQUEST NO. 186-208

DIVISION OR COMPANY	LOCATION	DATE PREPARED	AMOUNT OF THIS REQUEST
Montrose Chemical Corp. of Ca.	Torrance, Ca.	10 20 76	$15,042.00
NAME OF PROJECT	ASSET LIFE	PROPOSED STARTING DATE	PREVIOUS AMOUNT REQUESTED
New Separator Vent System		12/1 '76	
CLASSIFICATION	CAPITAL XX / EXPENSE	REPORT OF CHANGES REQUIRED YES NO	EST. COMPLETION DATE / REVISED AIR AMOUNT
Efficiency			3/1 77

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT	RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
APPROPRIATED FUNDS – (AMOUNT OF THIS REQUEST)	15.0		NET SALES		
			NET EARNINGS		
			CASH FLOW		
WORKING CAPITAL	--		R.O.I.	NA	%
TOTAL INVESTMENT	15.0		PAYOUT PERIOD	NA	YRS.
			PRESENT VALUE RETURN	NA	

EFFECT OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
10% DECREASE IN VOLUME			
10% DECREASE IN SALES PRICE	n/a		
OTHER (DESCRIBE)			

AVERAGE NET SALES AT BREAK-EVEN POINT $

RESPONSIBILITY ASSIGNMENTS

PREPARED BY	R.G. Wilson	PROJECT ENGINEER	R.G. Wilson
PROJECT DIRECTOR	G.A. Dimichele	CAPITAL COST ESTIMATE	R.G. Wilson
PROCESS RESPONSIBILITY	B.I. Bratter	CONSTRUCTION BY	Montrose Main.
SALES VOLUME AND PRICING		PROJECT COST CONTROLS—REPORTING	
PRODUCTION COST FORECAST		SAFETY AND LOSS CONTROL	
MANUFACTURING LIAISON		ENVIRONMENTAL CONTROL	
		START UP	

DESCRIPTION OF PROJECT (If supplemental information is not provided, enter herein estimated distribution of appropriated funds, as per SP 1—2)

This project provides for the re-design of the existing vent system for the DDT-Acid Separators. Lines will be enlarged, the piping simplified, and all new vent piping will be glass.

Total Budgeted	$353,000
Previously Commit ed	92,478
This A.R.	15,042
	$245,480

APPROVED BY	DATE		
John L. Kallok	10/[illegible]	J.S. Edwards (2)	11-17-76
Max Sobelman	11/1/76	K. Overbeck	
Samuel Rotrosen	11/5/76	Robert Yukihiro	

FORM [illegible]

MON 102 1642

POOR QUALITY ORIGINAL

SUPPLEMENTAL INFORMATION TO A... 186-208

1. Background Information

Three-1,000 gallon glass-lined vessels are currently used to separate molten DDT from sulfuric acid after the DDT filter cake has been melted. These vessels are vented at the DDT inlet, the DDT outlet, and the acid outlet (florentine). The existing vent piping is a combination of glass, monel, and Haveg. The piping is generally 2" from the vessels to 3" vent header which eventually becomes 4" and leads to the condensator vent scrubber. The piping contains many unnecessary elbows and adapter-type fittings.

2. Purpose and Justification of Proposed Work

Installation of a simpler vent system with larger lines, less elbows, and all glass construction will greatly reduce the amount of plugging that occurs in these lines. Accordingly, the process upsets, spillage of DDT and acid, and fumes which are occasionally emitted when the vents become plugged or while they are being unplugged will also be reduced. The larger glass vents will also allow more rapid identification of restrictions or plugs, and the unplugging of lines when necessary will be easier due to the reduced number of fittings and bends in the vent system.

3. Detailed Description of Proposed Work

A new vent system, consisting of 3" and 4" beaded glass pipe and the necessary couplings, flanges, and other fittings will be installed from the Acid-DDT Separators to the condensator vent scrubber.

The main vent header will be assembled and installed, then the 3" piping from the separators to the vent header will be tied in as operations permit. Teflon-coated heating tape will be attached to the risers to further minimize the possibility of plugging.

JN 102 1643

POOR QUALITY ORIGINAL

4. Cost Estimate

Glass Pipe	$ 5,137.00
Reducing Flanges (Teflon-lined)	632.00
Flex Couplings (Teflon)	756.00
Teflon Coated Heating Tape	150.00
Hourly Labor (640 hrs. @ $10/hr)	6,400.00
Salaried Labor	600.00
SUB TOTAL	$13,675.00
Contingency, @ 10%	1,367.00
TOTAL	$15,042.00

5. Long Range Investment

None.

6. Start-Up Expense

None.

7. Additional Use or Demand on Existing Plant Facilities

None.

8. Alternatives to this Appropriation Request

None, if the system is to be improved over what we have now.

9. Risk Considerations

None.

10. Safety and Loss Control

The project engineer will see that all safety procedures are followed during construction.

MON 102 1644

POOR QUALITY ORIGINAL

11. Environmental Considerations

The new vent system will feed to the existing vent scrubber, and the possibility of emissions and spills due to plugged lines should be greatly reduced.

12. Engineering Drawings and Sketches

A drawing of the new vent system has been completed, and a material list (with prices) has been prepared.

13. Estimated Distribution of Appropriated Funds

These funds will be charged to plant equipment and to maintenance labor as detailed above under No. 4.

Rick Wilson

Rick G. Wilson
Process Engineer

RGW:ll

JOB ANAL IS

FORMULATING AND GRINDING PLANT
HOW TO MAKE PREGRIND

WHAT JOB TO BE DONE	HOW PROCEDURE	WHY KEY POINTS
1. Obtain protective equipment.	1. Wear hard hat, safety glasses and good safe clothing. Hand cream, disposable dust masks, cotton gloves, approved respirators, ear muffs, disposable sleeves and aprons are available, as needed.	1. Hi-Sil, various wetters, inerts and additives may be irritating to the eyes and skin. Safety equipment is required during all plant operations. Air compress area is noisy and may require ear protection on occasions.
a. Start No. 1 Baghouse blower. b. Start No. 1 Mixer agitator.	a. Push proper start button and make sure baghouse exhaust is free of dust. If not, shut down and notify Supervisor. b. Push proper start button and make sure agitator turns before adding any material to Mixer.	a. To prevent any dust from escaping out of No. 1 Mixer, bucket elevator and blowing dust into atmosphere. Bags may leak and require maintenance. b. To prevent jamming up the agitator.
3. Charge No. 1 Mixer.	a. Dump prescribed charge of inerts into bucket elevator. b. Place one full bin of DDT into bin dumper. c. Start bucket elevator and bin dumper at the same time. This dumps material in bucket elevator and DDT into Mixer together.	a. Inerts contain wetting agents and diluents necessary to obtain correct percentage of DDT in the pregrind and proper wettability. b. To blend with the charge of inerts. c. To obtain a uniform mixture of pregrind.

WHAT JOB TO BE DONE	HOW PROCEDURE	WHY KEY POINTS
4. Fill No. 1 Mixer.	a. Continue charging as in Step No. 3 until the indicator light comes on. This means Mixer is full. b. Keep door on bin dumper closed at all times except when charging.	a. To prevent Mixer agitator from jamming or the Mixer over-flowing. Contents would then have to be removed by hand unt agitator could turn. b. To prevent dust escaping, creating unsafe conditions, an to maintain suction to bucket elevator and other dust hoods served by No. 1 Blower.
5. Start the Ball Mill. Make sure No. 2 Mixer agitator and No. 2 Mixer recycle conveyor are both on.	a. See "How to Operate the Ball Mill". b. Turn on small screw conveyor to Ball Mill first. c. Turn on the large screw conveyor secondly.	a. Ball Mill produces the pregrin b. To prevent plugging the Ball Mill inlet. c. To feed the small screw convey and the Ball Mill.
6. Control feed to Ball Mill.	a. Set butterfly feed valve at desired setting. b. Set Ball Mill controller to automatic feed. c. Check Ball Mill discharge temperature chart to indicate rate of feed. d. Start classifier conveyor to No. 1 Mixer.	a. Butterfly valve feeds the Ball Mill screw conveyors. b. Setting will automatically fee Ball Mill at the specific rate c. Set automatic feed rate to giv a Ball Mill discharge air temperature of between 20-30°C and maximum production. d. To return coarse particles ba to be re-ground in the Ball Mill.

MEP072
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SRC: EPA REGION IX - SUPERFUND
MONTROSE PLANT OPERATIONS
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CONFIDENTIAL

(50)

INTER-OFFICE CORRESPONDENCE

de Guigne Technical Center -- Research

San Francisco

E. Y. Lee

Nov. 27, 1978

D. F. Milazzo

Unfiltered Recycle Pond Water - Montrose/Torrance Plant

D. J. Brookman
R. W. Buxton
J. A. Kieft
J. Sanford
L. D. Taylor
Central File

Project No. 619800

RECEIVED
DEC 11 197
MONTROSE-TORRAN

At your request, we have completed the determination of Monochlorobenzene, o-Dichlorobenzene, p-Dichlorobenzene, Dichlorobenzil, P,P'-DDE, O,P-DDT, and P,P'-DDT in an unfiltered recycle pond water taken on October 12, 1978, at the Montrose/Torrance Plant. The levels of the contaminants and their respective detection limits are summarized in the following table.

Compound Name	Amount Found (ppm)	Detection Limit (ppm)
Monochlorobenzene	40	0.2
p-Dichlorobenzene	4	0.2
o-Dichlorobenzene	0.9	0.2
Dichlorobenzil	N.D.	0.1
DDE	1	0.1
O,P-DDT	1.4	0.1
P,P'-DDT	7	0.1

Elizabeth Y. Lee
E. Y. Lee

Analytical Reference: 5764-8

SAFEGUARD COMPANY INFORMATION

FORM 0032-000-00A

INTER-OFFICE CORRESPONDENCE
TORRANCE, CALIFORNIA

Date October 13, 1978

To Ron Buxton - Richmond Ca.

From Jim Sanford

cc: Max Sobelman
✓John L. Kallok
Dominic Milazzo - San Francisco

Subject Analysis of our Recycle Pond Water

Under separate cover I am sending you a one quart sample of unfiltered recycle pond water for analysis as requested by Dominic Milazzo, Stauffer Industrial Hygienist.

Please send a copy of the sample analysis to the Montrose-Torrance plant.

Jim Sanford
Safety Coordinator
Montrose-Torrance

JS:ll

(51)

SFUND RECORDS CTR
0639-92656

Stauffer

STAUFFER CHEMICAL COMPANY

R. Yukihiro

APPROPRIATION REQUEST NO. 186-261

DIVISION OR COMPANY	LOCATION	DATE PREPARED	AMOUNT OF THIS REQUEST
MONTROSE CHEMICAL CORP. OF CALIFORNIA	Torrance, Ca.	11/6/80	$26,000
NAME OF PROJECT	ASSET LIFE	PROPOSED STARTING DATE	PREVIOUS AMOUNT REQUESTED
Replacement of Waste Water Hold Tanks		1/81	---
CLASSIFICATION: CAPITAL ☒ EXPENSE ☐	REPORT OF CHANGES REQUIRED YES ☐ NO ☐	EST. COMPLETION DATE 3/81	REVISED A/R AMOUNT

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT
APPROPRIATED FUNDS – (AMOUNT OF THIS REQUEST)	26.0	26.0
WORKING CAPITAL		
TOTAL INVESTMENT	26.0	26.0

RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
NET SALES		
NET EARNINGS		
CASH FLOW		
R.O.I.	NA	%
PAYOUT PERIOD	NA	YRS.
PRESENT VALUE RETURN	NA	

EFFECT OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
10% DECREASE IN VOLUME	N/A		
10% DECREASE IN SALES PRICE			
OTHER (DESCRIBE):			

AVERAGE NET SALES AT BREAK-EVEN POINT $

RESPONSIBILITY ASSIGNMENTS:

PREPARED BY	Paul Beets	PROJECT ENGINEER	Paul Beets
PROJECT DIRECTOR	Paul Beets	CAPITAL COST ESTIMATE	Paul Beets
PROCESS RESPONSIBILITY	B. Bratter	CONSTRUCTION BY	Montrose
SALES VOLUME AND PRICING		PROJECT COST CONTROLS—REPORTING	Paul Beets
PRODUCTION COST FORECAST		SAFETY AND LOSS CONTROL	Paul Beets
MANUFACTURING LIAISON		ENVIRONMENTAL CONTROL	Paul Beets
		START-UP	

DESCRIPTION OF PROJECT (If supplemental information is not provided, enter herein estimated distribution of appropriated funds, as per SP 3—2)

This A R. provides for the replacement of two waste water hold tanks and agitators. These tanks are used to collect liquid spills throughout the DOT process area.

Approved 1980 Budget	$401,000
A.R.'s Previously Approved	225,224
This A.R.	26,000
Balance Remaining 1980	$149,776

APPROVED BY – DATE

John L. Kallok 11/12/80 John L. Kallok	11-24-80 Original Signed R. M. Hanle (2) R.M. HANLE	
Max Sobelman 11/12/80 Max Sobelman	K. M. Overbeck	
Samuel Rotrosen	R. Yukihiro	

FORM 0330-000-00 B (10/72)

MON103 0512

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CHEMICAL
LA

SUPPLEMENTAL INFORMATION TO A.R. 186-261

I. Background Information

Two 20,000 gallon wooden tanks encased in concrete were installed below grade and are used to receive many liquid waste streams from the DDT process plant. The liquid flows to the tanks through brick lined drainage troughs, which are located throughout the plant. In addition to liquid wastes, spent caustic from fume scrubbers, DDT wash water, and organic tars drain to the tanks after being neutralized in a 6,000 gallon "tar pot". After the PH has been adjusted the liquid is pumped to a 50,000 gallon storage tank, where it is trucked to a class I disposal facility. These tanks were originally installed in 1966.

II. Purpose and Justification of Proposed Work

The wooden lining in the tanks were weakened when holes were cut into the walls of both tanks for inlet and outlet piping and for a cross tie between the tanks. This allowed the corrosive liquid to get behind the wood and attack the steel hoops which hold the wooden staves together. In time, the hoops failed causing the staves to become loose and fall out of place. Eventually it became necessary to remove the wood liners altogether. The concrete tanks are still in good condition, but it is felt that further operation of the tanks without a protective lining may cause deterioration and eventual failure of the concrete.

III. Detailed Description of Proposed Work

New wooden tanks will be installed. Six inches of concrete will be poured between the existing concrete and the wooden tank walls. In order to prevent corrosion of the steel hoops only one hole will be cut in one of the tanks to provide an inlet into the tank. New agitators and agitator supports will be added after the tanks have been installed.

IV. Cost Estimate

Two wooden tanks	$12,629
Concrete installed	4,000
Steel for agitator support	3,000
Labor	4,000
Sub-total	$23,629
Contingency @ 10%	2,371
Total	$26,000

V. Long Range Investment

None.

ON103 05-13

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CHEMICAL
LA

VI. Start-Up Expense

None anticipated.

VII. Additional Use of Plant Facilities

None.

VIII. Alternatives to this A.R.

None suggested.

IX. Safety and Loss Control

Paul Beets will be responsible for seeing that all standard work procedures are followed during the installation.

X. Environmental Considerations

Installation of this equipment will ensure that the hold tanks can continue to be operated with no possible contamination of the surrounding area.

XI. Utilities

There will be no appreciable change in consumption of power.

XII. Estimated Distribution of Appropriated Funds

These funds will be charged 100% to plant equipment.

Guy A. Dimichele
Superintendent of Engineering & Maint.

MON103 0514

SFUND RECORDS CTR
0639-93836

(52)

R . Yukihiro

Stauffer

STAUFFER CHEMICAL COMPANY

APPROPRIATION REQUEST NO. 186-250

DIVISION OR COMPANY: Montrose Chemical Corp. of Calif.	LOCATION: Torrance, Ca.	DATE PREPARED: 5/12/80	AMOUNT OF THIS REQUEST: $23,630
NAME OF PROJECT: Puran Tar Pot Tank	ASSET LIFE:	PROPOSED STARTING DATE: 5/20/80	PREVIOUS AMOUNT REQUESTED: ---
CLASSIFICATION: Environmental Control — CAPITAL XXX / EXPENSE ☐	REPORT OF CHANGES REQUIRED: YES ☐ NO ☐	EST. COMPLETION DATE: 8/30/80	REVISED A/R AMOUNT: ---

INVESTMENT $M	IMMEDIATE	TOTAL OVER LIFE OF PROJECT
APPROPRIATED FUNDS – (AMOUNT OF THIS REQUEST)	23.63	23.63
WORKING CAPITAL	---	---
TOTAL INVESTMENT	23.63	23.63

RETURN ON INVESTMENT $M	YEAR 1	AVERAGE
NET SALES		
NET EARNINGS		
CASH FLOW		
R.O.I.		%
PAYOUT PERIOD		YRS.
PRESENT VALUE RETURN		

EFFECT OF CHANGES IN MAJOR ECONOMIC FACTORS – $M

	AVERAGE NET EARNINGS	AVERAGE R.O.I.	PAYOUT PERIOD
10% DECREASE IN VOLUME			
10% DECREASE IN SALES PRICE	N/A		
OTHER (DESCRIBE)			

AVERAGE NET SALES AT BREAK-EVEN POINT $ _____

RESPONSIBILITY ASSIGNMENTS

PREPARED BY	R. G. Wilson	PROJECT ENGINEER	R. G. Wilson
PROJECT DIRECTOR	G. A. Dimichele	CAPITAL COST ESTIMATE	R. G. Wilson
PROCESS RESPONSIBILITY	B. I. Bratter	CONSTRUCTION BY	Tankinetics/Montrose
SALES VOLUME AND PRICING		PROJECT COST CONTROLS—REPORTING	
PRODUCTION COST FORECAST		SAFETY AND LOSS CONTROL	R. G. Wilson
MANUFACTURING [illegible]	R. G. Wilson	ENVIRONMENTAL CONTROL	R. G. Wilson
		START-UP	R. G. Wilson

DESCRIPTION OF PROJECT (If supplemental information is not provided, enter herein estimated distribution of appropriated funds, as per BP 1—[illegible])

This A.R. provides for the purchase and installation of a 12' diameter x 8' high furan fiberglass tank to be used as a "tar pot" neutralizing tank at the Acid Recovery section of the plant.

Approved 1980 Budget	$401,000
A.R.'s Previously Approved	24,608
This A.R.	23,630
Balance Remaining 1980	$352,762

APPROVED BY – DATE		
John L. Kallok 5/15/80	Original signed J. S. EDWARDS J. S. Edwards (2) 5/27/80	
Max Rohelman 5/14/80	K. M. Overbeck	
Samuel Rotrosen 5/14/80	R. Yukihiro	

FORM [illegible] (10/73)

MON1030365

SUPPLEMENTAL INFORMATION TO A.R. 186-250

I. Background Information

A neutralizing tank known as the "tar pot" is used at the Acid Recovery Plant to:

1) neutralize the acidic "tars" drained from the extraction column with waste caustic from the Filtration section of the plant, and

2) recover the monochlorobenzene vapors that are released when the neutralization reaction occurs.

The first tar pot was a glass-lined vessel, but this did not hold up well in the hot (200°F) caustic environment. It was replaced in 1972 with a 3/4" thick steel tank. This tank has been completely rebuilt several times since that time by welding steel plate to the outside of the tank. The steel is subject to rapid attack if there is insufficient caustic available to neutralize the tars and the entire contents of the tank become acidic.

The steel tank has continued to be used despite the frequent repairs because a material of construction which would stand up to the widely varying pH, high temperature and chlorinated organics at a reasonable price could not be found.

II. Purpose and Justification of Proposed Work

The tar pot tank is necessary because without it monochlorobenzene is lost and organic and acidic vapors are emitted from the waste hold tanks, creating potential problems both in our plant and at the waste disposal site. Repairs to the existing steel tank typically take up to 30 days to complete and must be repeated at least 2-3 times/year. During the repairs, extraction column tars which are saturated with monochlorobenzene are drained directly to the waste hold tanks. Since those tanks are open to atmosphere, we risk an air pollution citation whenever this situation occurs. A corrosion resistant tar pot would save an estimated $3,000/year labor and $1,000/year materials currently necessary to repair the tank. More monochlorobenzene would also be recovered, although it is difficult to estimate the exact amount.

ON103 0366

III. Detailed Description of Proposed Work

We plan to purchase a 12' diameter x 8' high fiberglass tank constructed of furan resin. Tanks constructed of furan (furfuryl alcohol) resin have been used successfully in similar service at the Montrose, Henderson Plant. The tank will be designed for 5 psig pressure plus full liquid head, since some back pressure develops when the monochlorobenzene is given off. The areas of the bottom and wall around the agitator will be increased in thickness to account for the erosion/corrosion that occurs there. The tank will be identical dimensionally with our existing tank, so there will be no piping changes required. A water seal and a rupture disc will be installed to guard the tank against damage through over-pressure.

IV. Cost Estimate

12' Diameter x 8' High Furan FRP Tank	$18,082 (Firm Price)
Freight	350
Hourly Labor	1,500
Salaried Labor	1,200
Crane to Remove Old Tank	350
Sub-Total	$21,482
Contingency @ 10%	2,148
Total	$23,630

V. Long Range Investment

None.

VI. Start-Up Expense

None.

VII. Additional Use or Demand on Existing Plant Facilities

None.

VIII. Alternatives to this A.R.

None recommended. Repairs on the existing tank typically last 2-3 months before they have to be repeated. A new steel tank would cost more than the Furan fiberglass tank and would probably only last about one year before leaks developed.

MON103 0367

IX. Safety and Loss Control

All standard work procedures will be followed during the removal of the existing tank and installation of the new tank. Installation of the tank will be relatively simple since the dimensions are identical to the existing tank.

X. Environmental Considerations

Installation of the new tank will eliminate the need to drain extraction column tars directly to the waste hold tanks, which occurs when the existing tank is out of service. Monochlorobenzene vapors are then released to the atmosphere when the tars are neutralized. This will no longer occur with a dependable, corrosion resistant tank.

XI. Estimated Distribution of Appropriated Funds

The funds will be charged 100% to plant equipment.

R. G. Wilson
Supervisor of Engineering & Maint.

ON103 0376 8

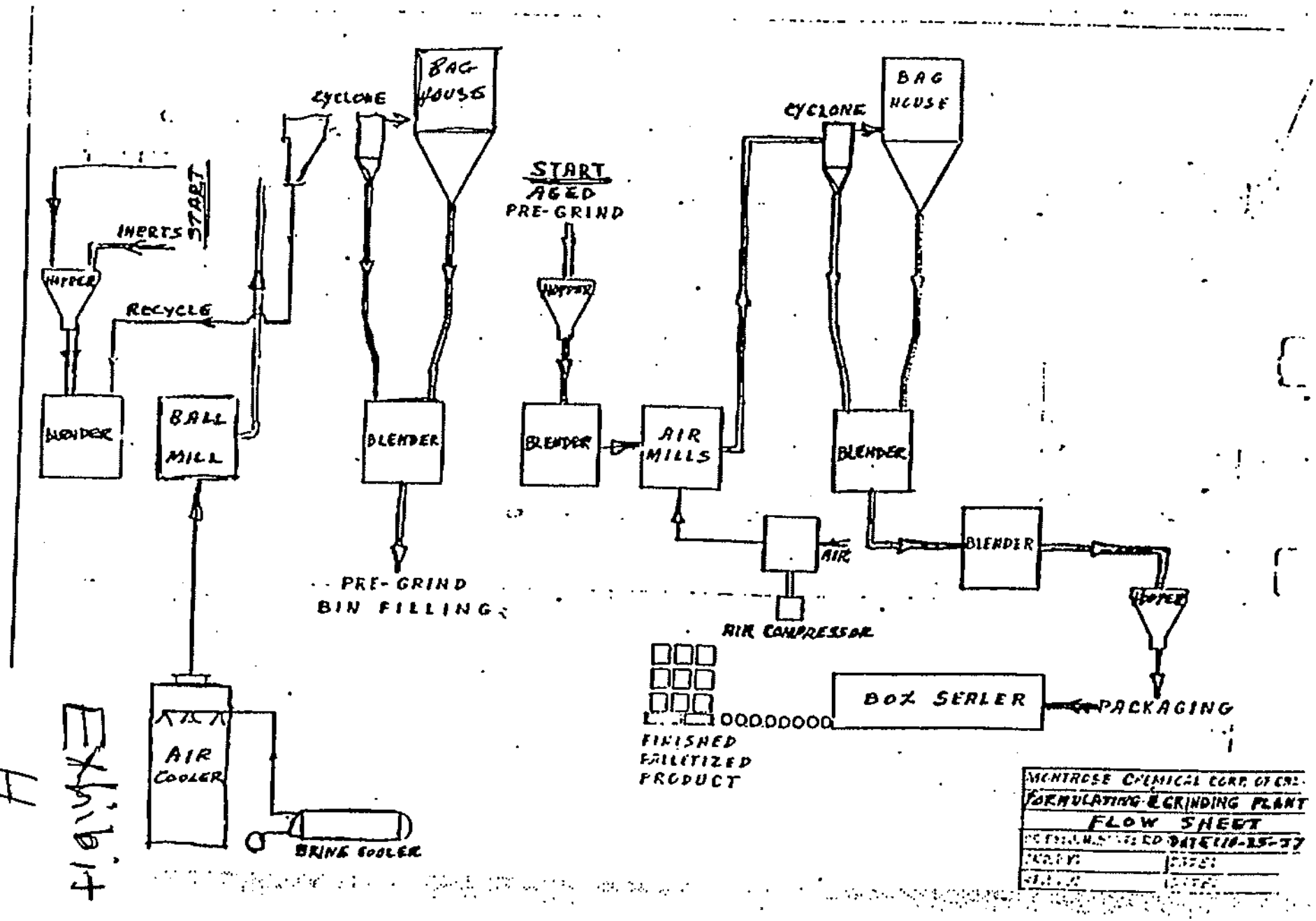

START
INERTS
HOPPER
RECYCLE
BLENDER
BALL MILL
AIR COOLER
BRINE COOLER
CYCLONE
BAG HOUSE
BLENDER
PRE-GRIND BIN FILLING
START
AGED
PRE-GRIND
HOPPER
BLENDER
AIR MILLS
AIR
AIR COMPRESSOR
CYCLONE
BAG HOUSE
BLENDER
BLENDER
HOPPER
BOX SEALER
PACKAGING
FINISHED PALLETIZED PRODUCT
MONTROSE CHEMICAL CORP. OF CA.
FORMULATING & GRINDING PLANT
FLOW SHEET
DATE 10-25-77

Exhibit H

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

INTER – OFFICE CORRESPONDENCE

(53)

ORIGINATING OFFICE: Torrance

DATE February 26, 1981

TO: Mr. Samuel Rotrosen
Mr. R. G. Wilson

COPY TO: Mr. James V. Worrall
Mr. Max Sobelman
Mr. B. L. Rothberg

FROM: John L. Kallok

SUBJECT: Discovery of Existing Reportable Quantities of Releases to the Environment (Land)

On February 25, 1981, a small pond of liquid of approximately 200 gallons was discovered about 500 ft. south of our plant boundary. Evidence showed that the liquid may have come from Jones Chemical or Montrose via a common storm drainage ditch serving both facilities.

Analysis of the liquid revealed that the upper aqueous layer was a caustic solution with a pH of 14, and the lower organic layer was monochlorobenzene (MCB). We have no idea how this quantity of MCB could have reached this area, because we have not found any leaks in our piping or traces of MCB in our surface drain pickup boxes. Inspectors from the State Health Department and the City Sanitation Department had been called to the area by a private citizen. They inspected the pond and took samples. They then traced the source of the liquid back to Jones Chemical by following the ditch proper which was dry and was encrusted with a white alkaline solid. The white encrustation started at the Jones plant and ended at the pond.

In the interest of safety and as a public service, Montrose volunteered to have the liquid in the pond sucked dry by a Chancellor & Ogden vacuum truck that was loading alkaline waste material at our plant. The truck moved to the scene and the pond was sucked dry by late afternoon. The liquid from the pond, along with our alkaline waste material, was disposed of at the BKK landfill. No further action will be taken until we hear from one or more of the agencies.

By copy of this memo, Stauffer Environmental Control is being notified of this incident for guidance in the event reporting of this incident is required under the provisions of RCRA or the "Superfund" act.

John L. Kallok

JLK:dgm

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

TER – OFFICE CORRESPONDENCE

Cal 112A (1982) (54)

ORIGINATING OFFICE: Torrance

DATE: May 21, 1981

RECEIVED MAY 26 1981 UNION

TO: R. G. Wilson

FROM: John L. Kallok

COPY TO: Samuel Rotropsen
J. Worrall
J. Wiseman
J. Ronan
W.P. Pagano

SUBJECT: Soil Sampling of Storm Drain South of the Montrose-Torrance Plant

It was reported on February 26, 1981 that the State of California Department of Health Services took samples of residual storm water run-off from a common storm drainage ditch serving the Montrose and Jones Chemical facilities. Samples were also taken from a small pond formed by the storm runoff located south of the plant between the Southern Pacific Railroad and Farmer Brothers Company property.

Mary Cooper, Waste Management Specialist for the State of California Department of Health Services visited the plant on May 4, 1981 for a conference relating to this incident.

She informed us that the laboratory results indicated that the water residue samples had a pH of 14 and contained 0.0028 ppm-98 ppm of DDT; 1.7 ppm - 84% Monochlorobenzene and less than 8 ppm of P.C.B. A copy of the lab report showing the results is attached. Miss Cooper further explained that because the water samples contained DDT and Monochlorobenzene, which obviously came from Montrose, it would be necessary to take soil samples by core drilling in the ditch and the pond area. She informed us that Jones Chemical Company was scheduled to obtain their soil samples for the state by core drilling in the same area on May 5th. She further suggested that it would save time and money if we participated with Jones Chemical and obtained our samples at the same time.

As suggested arrangements were made with Jones for Montrose to participate with them in the core drilling operation and in obtaining the necessary soil samples for the state.

A series of 37 soil samples were obtained from 10 locations along the ditch and in the pond area as shown on the attached sketch. Samples were taken at ground level and at depths of 6", 12", 18" and 24" in certain areas and only at ground or intermediate levels in other areas as determined by Miss Cooper.

Each sample was mixed and split into 3 equal portions. The state took a set of samples for analysis in the state laboratory. The second was a joint Montrose-Jones Chemical Co. set of samples and was sent to the Smith Emery Testing Laboratory in Los Angeles for analysis. The third set of samples was sent to Dr. Merle Kleinschmidt, Stauffer W.R.C., Richmond for analysis according to state analytical procedures. The State Department of Health Services has not at this time made any requests or recommendations for any remedial measures or cleanup relating to this incident.

John L. Kallok

JLK:cg
encls.

SOUTHERN CALIFORNIA LABORATORY SECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT

LABORATORY REPORT

SCL NO.: 741 - 747

DATE OF REPORT: 4/17/81

SAMPLING DATE: 2/24/81 and 2/26/81

DATE RECEIVED: 2/26/81

TO: Mary Cooper

SAMPLING NO: MC001 to MC007

SAMPLE LOCATION: Jones Chemical, Inc
1400 Del Amo Blvd CA

ANALYTICAL PROCEDURES USED: DDT - PCB - extract with pet. ether, florisil cleanup, GC analysis - column 1.5% OV17/1.95% QF1, 4% SE30/6% OV21

REFERENCE:

ANALYSIS RESULTS: Final Report

Sampling No	SCL No.	pp DDT ppm	Mono-Chlorobenzene	PCB
MC001	741	0.0028	—	—
MC002	742	.43	—	—
MC003	743	4.9	—	—
MC004	744	33	1.7 ppm	< 8 ppm as compared to Aroclor
MC005	745	97	84 %	Unable to determine due to large amount of interfering substance
MC006	746	98	2.5 %	< 8 ppm as compared to Aroclor
MC007	747	3.2	—	—

See attached sheet for GC/MS headspace analysis on MC005 (SCL 745).

620-3376

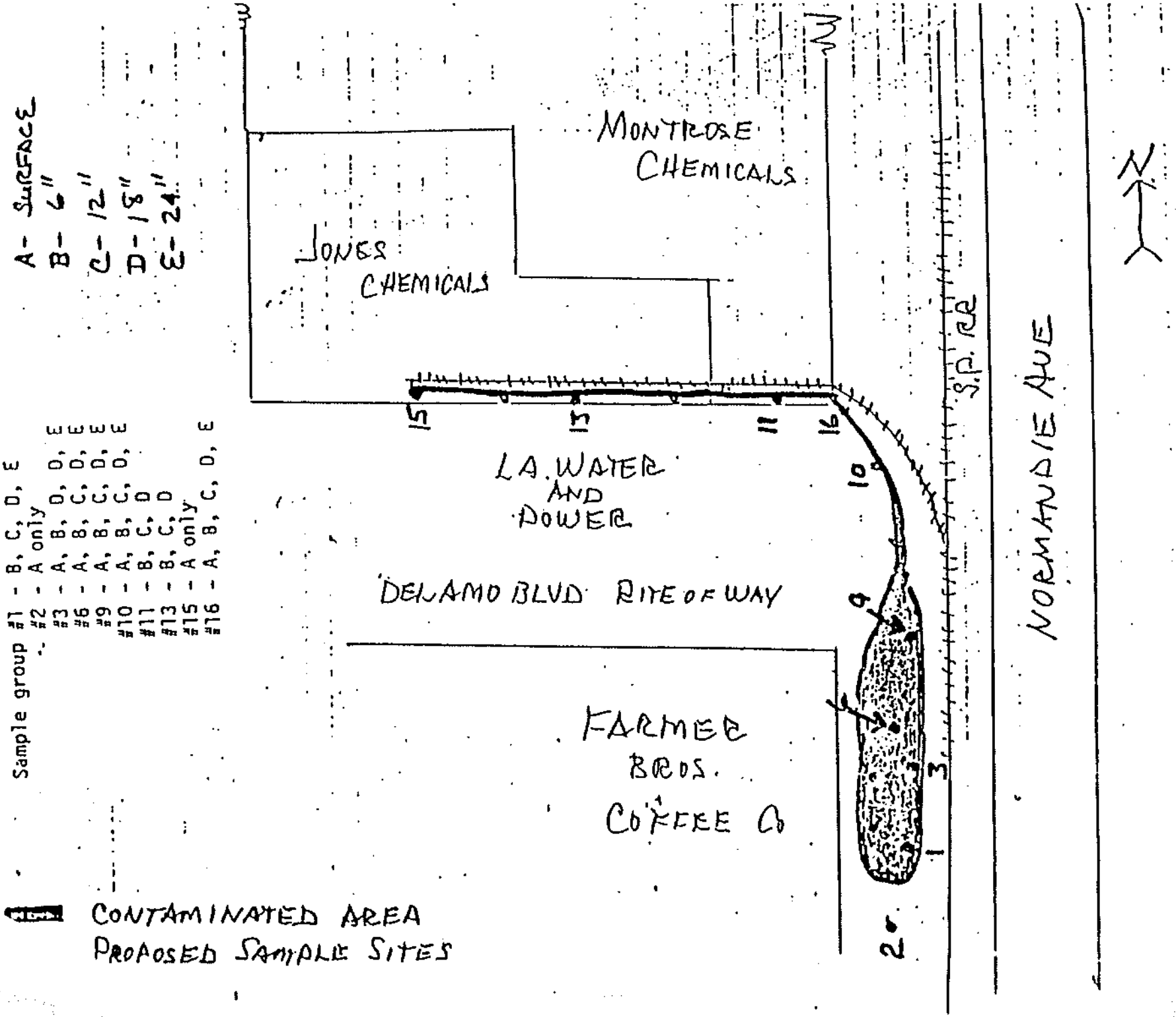
ANALYSTS' SIGNATURES:

Mary W Claridge 4/17/81 date

Monica D. Sigas 4/17/81 date

Copies to:

Hazardous Mat... APR 22 1981 Cal... ... LOS ANGELES


A- SURFACE
B- 6"
C- 12"
D- 18"
E- 24"
Sample group #1 - B, C, D, E
#2 - A only
#3 - A, B, D, D, E
#6 - A, B, C, D, E
#9 - A, B, C, D, E
#10 - A, B, C, D
#11 - B, C, D
#13 - B, C, D
#15 - A only
#16 - A, B, C, D, E
MONTROSE CHEMICALS
JONES CHEMICALS
LA. WATER AND POWER
DELAMO BLVD RITE OF WAY
FARMER BROS. COFFEE CO
S.P. RR
NORMANDIE AVE
N
CONTAMINATED AREA
PROPOSED SAMPLE SITES

(55)

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

INTER – OFFICE CORRESPONDENCE

Call 11 v A

ORIGINATING OFFICE: Torrance

DATE June 18, 1981

RECEIVED JUN 30 1981 UNION

TO: Samuel Rotrosen

COPY TO: J. Worrall
J. Wiseman
J. Ronan
W. P. Pagano
J. Kallok

FROM: R. G. Wilson

SUBJECT: Soil Sampling of Storm Drain South of the Montrose-Torrance Plant

We have received today the results of the soil samples sent to Smith Emery Company and also to W.R.C. as outlined in John Kallok's letter of May 21, 1981. Regarding the Smith Emery results note that all samples were free of both PCB's and organics. DDT was detected in all samples, ranging from 0.05 ppm to 2830 ppm. The area of highest DDT concentration was in the middle of the area where a pond had formed, at 12" and 18" depths. The pH of the samples varied widely, from 4.1 to 11.9. The highest pH samples were from an area well up into Jones Chemical property, no doubt reflecting a past caustic leak from Jones.

In the W.R.C. results MCB was found in 4 of the samples and the DDT levels were generally much higher than Smith Emery reported. We have not yet heard from the state, but I will forward their results to you as soon as we receive them.

Rick Wilson
R. G. Wilson

RGW:cg

encls.

SMITH-EMERY COMPANY

CHEMISTS • TESTING • INSPECTION • ENGINEERS

781 EAST WASHINGTON BOULEVARD • LOS ANGELES, CALIFORNIA 90021 • (213) 749-3411
3148-O LA PALMA AVENUE • ANAHEIM, CALIFORNIA 92806 • (714) 630-4910

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FILE No.: 13032 (4827) & (6160)
LABORATORY No.: 586077

DATE: JUNE 16, 1981

SUBJECT: TESTING SOILS

FOR: JONES CHEMICAL CO. & MONTROSE CHEMICAL
P.O. BOX 275 P.O. BOX 147
TORRANCE, CA TORRANCE, CA 90570

ATTN: MR. DERTHICK & MR. CAREY

SAMPLE: THIRTY-SEVEN SOIL SAMPLES SUBMITTED BY MR. JERRY DERTHICK OF JONES CHEMICAL CORPORATION IDENTIFIED AS SHOWN BELOW.

PROCEDURE: PER PROCEDURES OBTAINED FROM GOVERNING AGENCY.

RESULTS:

ON AS RECEIVED MATERIALS

SAMPLE NO.	PH VALUE	ALKALINITY ME/KG	DDT PPM	PCB PPB	ORGANICS PPM	MOISTURE %
1B	8.9	2.0	28	ND<50	ND < 1	22.8
1C	7.6	-	1.6	ND<50	ND < 1	15.0
1D	7.9	-	0.5	ND<50	ND < 1	13.3
1E	7.7	-	0.2	ND<50	ND < 1	12.3
2A	9.4	13.0	25	ND<50	ND < 1	31.4
3A	9.9	42.7	135	ND<50	ND < 1	14.9
3B	9.2	22.5	191	ND<50	ND < 1	21.2
3C	7.6	-	49	ND<50	ND < 1	12.8
3D	7.7	-	0.75	ND<50	ND < 1	12.2
3E	7.3	-	0.15	ND<50	ND < 1	12.0
6A	10.2	23.0	67	ND<50	ND < 1	2.6
6B	9.9	17.8	30	ND<50	ND < 1	17.4
6C	4.8	-	2830	ND<50	ND < 1	16.2
6D	4.1	-	2150	ND<50	ND < 1	14.5
6E	4.8	-	71	ND<50	ND < 1	11.7
9A	9.2	19.1	137	ND<50	ND < 1	1.7
9B	8.1	-	52	ND<50	ND < 1	13.6
9C	7.0	-	64	ND<50	ND < 1	16.0

CONTINUED ON PAGE 2

File No.: 13032 (481 & 6160)
Lab No.: 566077

SMITH-EMERY COMPANY

FOR: JONES CHEMICAL CO. & MONTROSE CHEM.
P.O. BOX 275 P.O. BOX 147
TORRANCE, CA TORRANCE, CA

JUNE 16, 1981

CONTINUED FROM PAGE 1:

SAMPLE	PH VALUE	ALKALINITY ME/KG	DDT PPM	PCB PPB	ORGANICS PPM	MOISTURE %
9D	4.9	-	185	ND<50	ND < 1	15.6
9E	5.6	-	1	ND<50	ND < 1	19.0
10A	8.5	2.9	60	ND<50	ND < 1	7.8
10B	10.4	83.0	34	ND<50	ND < 1	15.7
10C	9.1	37.7	8.9	ND<50	ND < 1	16.1
10D	8.9	4.9	25	ND<50	ND < 1	12.7
10E	7.3	-	0.66	ND<50	ND < 1	13.7
11B	11.2	26.6	221	ND<50	ND < 1	26.4
11C	10.8	139.0	293	ND<50	ND < 1	27.2
11D	9.1	2.9	9.1	ND<50	ND < 1	16.3
13B	11.9	40.9	0.18	ND<50	ND < 1	22.5
13C	11.9	72.5	0.06	ND<50	ND < 1	22.3
13D	11.9	62.9	0.05	ND<50	ND < 1	18.7
15A	8.4	2.1	1.9	ND<50	ND < 1	31.6
A	8.3	-	420	ND<50	ND < 1	4.8
16B	9.1	13.2	97	ND<50	ND < 1	17.1
16C	7.5	-	26	ND<50	ND < 1	15.3
16D	7.3	-	45	ND<50	ND < 1	16.5
16E	7.8	-	28	ND<50	ND < 1	17.0

RESPECTFULLY SUBMITTED,
SMITH-EMERY COMPANY

P.E. MATHENY, MANAGER
CHEMICAL LABORATORY

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

INTER – OFFICE CORRESPONDENCE

(56)

ORIGINATING OFFICE: Torrance

RECEIVED AUG 24 1981 UNION

DATE: August 21, 1981

TO: Mr. James V. Wiseman
Mr. Dan Greeno

COPY TO: Mr. Richard G. Wilson
~~Mr.~~ Samuel Rotrosen

FROM: John L. Kallok

SUBJECT: Soil Samples from Montrose-Torrance

Pursuant to my memo of 8/17/81, the enclosed plot plan of the Montrose-Torrance plant area is marked to show the exact location of where the soil samples sent to WRC were taken. As shown, samples 8-81-1 through 8-81-7 were taken outside the plant boundary fence. Samples 8-81-8 and 8-81-9 were taken in the dried-up pond area adjacent to the Farmer Brothers Coffee plant. Samples 8-81-10, 8-81-11, 8-81-13 and 8-81-14 were taken in plant areas of high exposure. Sample 8-81-12 was taken off-site from soil at Frazier Park located about 80 miles north of the plant.

It should be noted that most of the plant area is paved with concrete and very few unpaved areas remain.

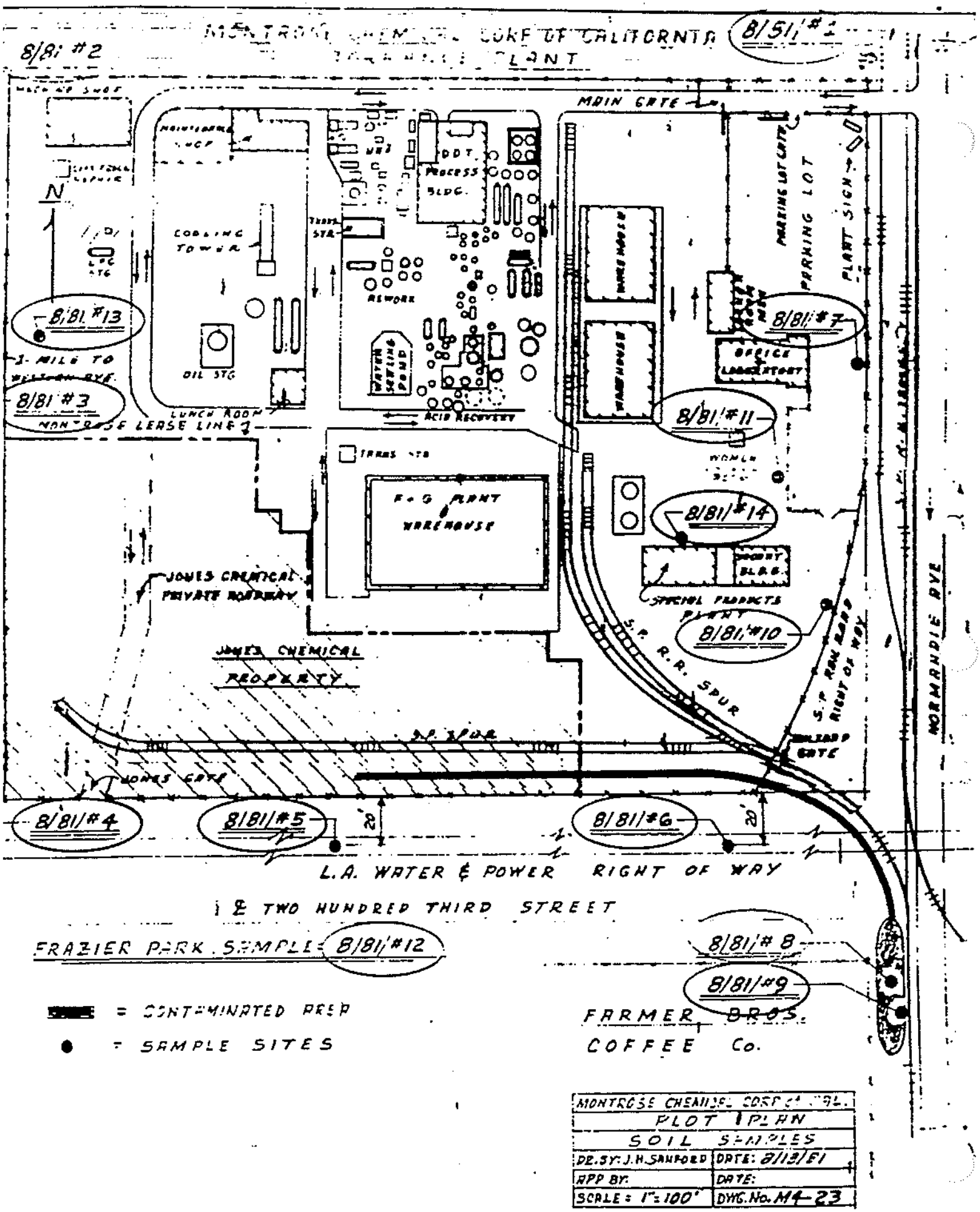
John L. Kallok

John L. Kallok

JLK:wt

Enclosure

COMPANY CONFIDENTIAL



MONTROSE CHEMICAL CORP OF CALIF.	
PLOT PLAN	
SOIL SAMPLES	
DR. BY: J.H. SANFORD	DATE: 8/13/81
APP BY:	DATE:
SCALE: 1" = 100'	DWG. No. M4-23

Cal 11V (57)

INTER-OFFICE CORRESPONDENCE

TORRANCE, CALIFORNIA

Date September 15, 1981

To Samuel Rotrosen

RECEIVED SEP 1981

From John L. Kallok

Subject Soil Sample Analysis
Montrose-Torrance Plant

cc: J. Wiseman
Dan Greeno
B. Rothberg
R. G. Wilson

COMPANY CONFIDENTIAL

In reference to my memo of September 4, 1981 regarding the above subject, enclosed is the Smith-Emery Company report of their results. Please note that the results are reported as percent rather than parts per million.

John L. Kallok

John L. Kallok

JLK:cg
encl.

SMITH-EMERY COMPANY

CHEMISTS • TESTING • INSPECTION • ENGINEERS

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FILE NO 6160
LABORATORY NO.: 586524 (CORRECTED)

DATE: SEPTEMBER 4, 1981

FOR: MONTROSE CHEMICAL
P.O. BOX 147
TORRANCE, CA 90507

SUBJECT: SOIL ANALYSIS

SAMPLE: 14 SOIL SAMPLES AUGUST 1981.

PROCEDURE: GAS CHROMOTOGRAPHY

RESULTS:

SAMPLE #	DDT, % (ON DRY BASIS)	PPM	SCC
8-81-1	.010	100	109
-2	.0030	30	[illegible]
-3	.0018	18	[illegible]
-4	.0013	13	14
-5	.0042	42	5.5
-6	.016	160	101
-7	.073	730	198
-8	.11	1100	9.7
-9	.25	2500	188
-10	.0041	41	[illegible]
-11	.19	1900	112
-12	.00039	3.9	[illegible]
-13	.0015	15	7.2
-14	.15	1500	187

RESPECTFULLY SUBMITTED,
SMITH-EMERY COMPANY

P.E. MATHENY, MANAGER
CHEMICAL LABORATORY

RICHMOND 9-3411

FORM [illegible] LC

SMITH-EMERY COMPANY

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SAMPLE: 14 SOIL SAMPLES AUGUST 1981.

PROCEDURE: GAS CHROMOTOGRAPHY

RESULTS:

SAMPLE #	DDT, % (ON DRY BASIS)
8-81-1	.010
-2	.0030
-3	.0018
-4	.0013
-5	.0042
-6	.016
-7	.073
-8	.11
-9	.25
-10	.0041
-11	.19
-12	.00039
-13	.0015
-14	.15

RESPECTFULLY SUBMITTED,
SMITH-EMERY COMPANY

P.E. MATHENY, MANAGER
CHEMICAL LABORATORY

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

INTER-OFFICE CORRESPONDENCE

Cal 11/7/8

(58)

ORIGINATING OFFICE: Torrance

RECEIVED OCT 28 1981 UNION

DATE: October 16, 1981

TO: Dr. Merle Kleinschmidt
WRC Richmond

FROM: John L. Kallok

COPY TO:
Dr. Dave Brookman
R. G. Wilson
Samuel Rotrosen
Dan Greeno
James V. Wiseman

SUBJECT: Soil Samples from Montrose-Torrance

COMPANY CONFIDENTIAL

As arranged with you by phone, this will confirm that we are sending via U.P.S. 7 soil samples taken from areas outside of the Montrose-Torrance plant. The samples are marked as follows:

10-81-1 through 10-81-7

We request that WRC analyze and report total DDT and analog content of each sample.

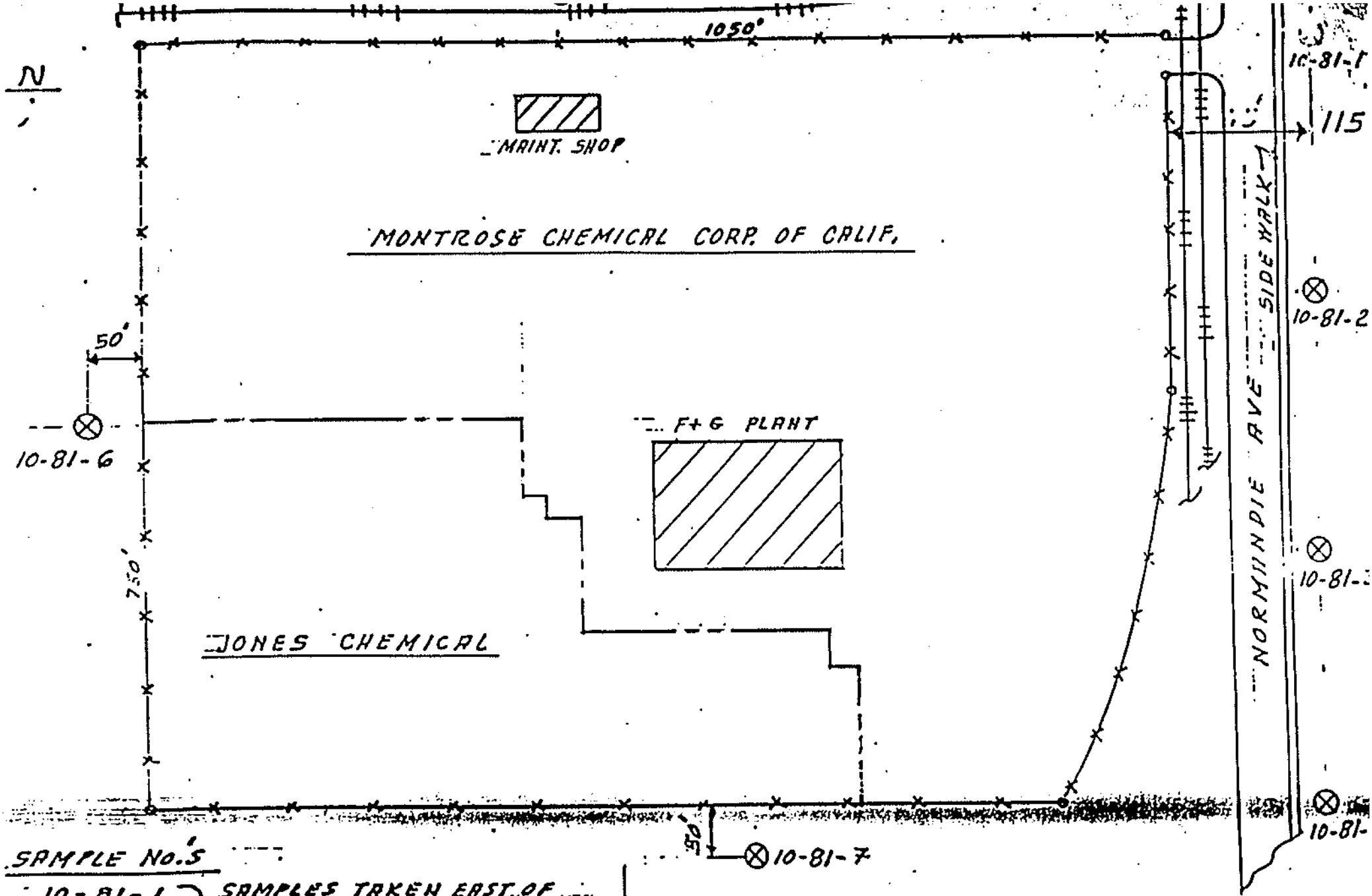
Thanks again for your assistance in this project.

John L. Kallok

JLK:cg

bcc: Rick, Sam, Dan Greeno, Jim Wiseman:

Enclosed is a diagram showing the location where each sample was taken.



SAMPLE No.'S

10-81-1
10-81-2
10-81-3
10-81-4
} SAMPLES TAKEN EAST OF PLANT, EAST SIDE OF NORMANDIE IN FLOWER BEDS

10-81-5 - NORTH IN AREA BETWEEN MONTROSE + DOUGLAS

10-81-6 - M.T. FIELD WEST OF PLANT
10-81-7 - M.T. FIELD SOUTH OF PLANT

DWG. M4-2

MONTROSE CHEMICAL CORPORATION OF CALIFORNIA

INTER – OFFICE CORRESPONDENCE

(59)

ORIGINATING OFFICE: Torrance

DATE November 25, 1981

TO: Dr. Merle Kleinschmidt
WRC Richmond

FROM: John L. Kallok

SUBJECT: Soil Samples from Montrose-Torrance

COPY TO:
Dr. Dave Brookman
R. G. Wilson
Samuel Rotrosen
Dan Greeno
James V. Wiseman

As arranged with you by phone, this will confirm that we are sending via U.P.S. 3 soil samples and 2 water samples taken from areas at the Montrose-Torrance plant. The samples are marked as follows:

11-81-1 through 11-81-5

We request that WRC analyze and report total DDT and analog content of each sample.

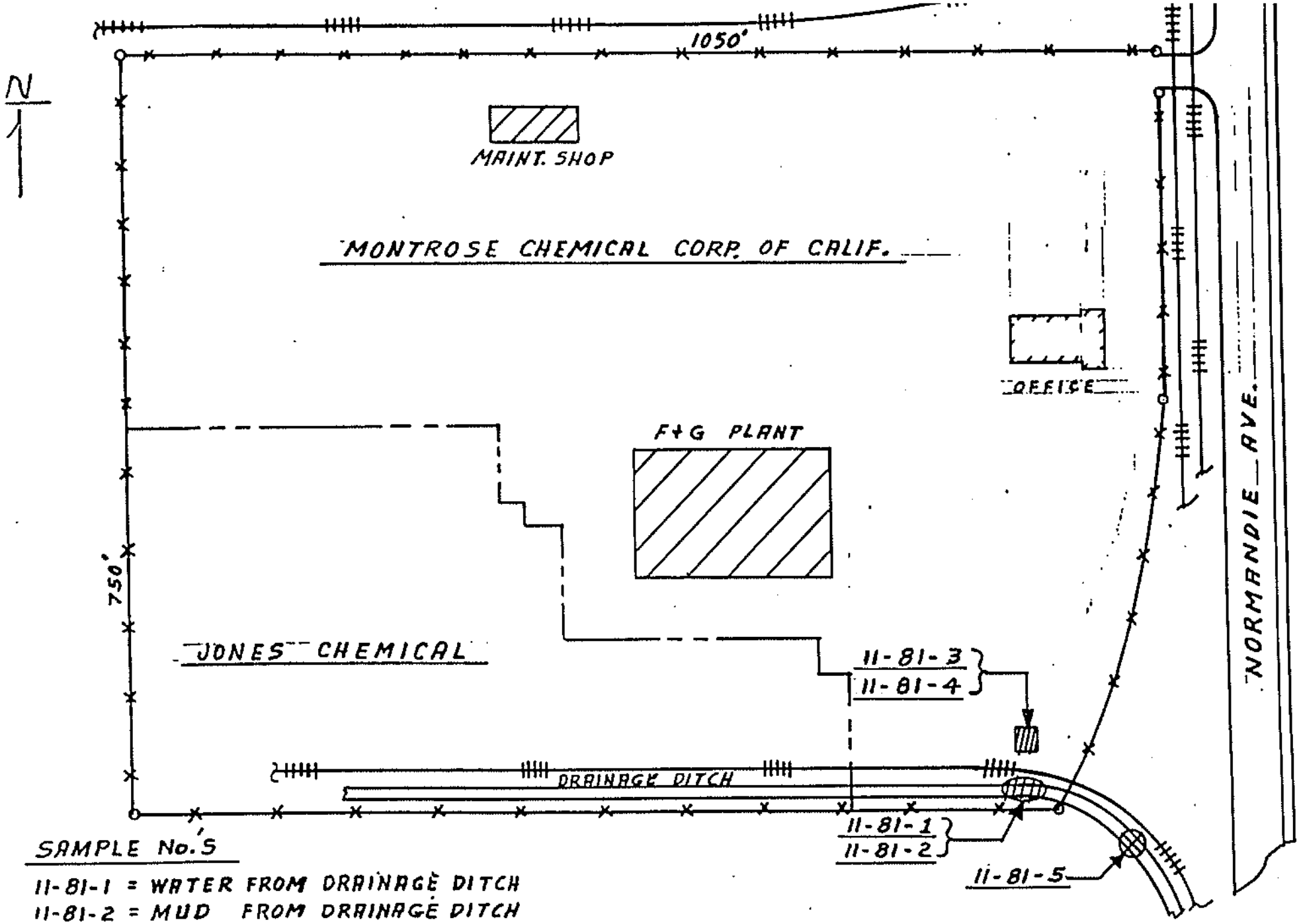
Thanks again for your assistance in this project.

John L. Kallok

JLK:cg

bcc: Rick, Sam, Dan Greeno, Jim Wiseman:

Enclosed is a diagram showing the location where each sample was taken.



SAMPLE No.'S

11-81-1 = WATER FROM DRAINAGE DITCH
11-81-2 = MUD FROM DRAINAGE DITCH
11-81-3 = WATER FROM CONCRETE SUMP
11-81-4 = MUD FROM CONCRETE SUMP
11-81-5 = DIRT FROM DRAINAGE DITCH

SOIL + WATER SAMPLES

DWG. No. M4-24 P

11-25-81

Stauffer

INTER-OFFICE CORRESPONDENCE

de Guigne hnical Center - Richmond

(60)

Torrance-Montrose

W. L. Kallock

D. J. Brookman
M. G. Kleinschmidt
J. D. Sheehan
J. V. Wiseman
Central File

R. W. Buxton

June 12, 1981

Analysis of Soil Samples
Torrance, Montrose

Project No. 619700

We have analyzed the 37 soil samples taken from the pond and drainage ditch area near the Montrose plant in Torrance for DDT, DDD, DDE, and monochlorobenzene (MCB). The analysis consisted of extracting the soil with a water/toluene mixture and determining the concentrations of analytes in the toluene extracts using a gas chromatograph equipped with an electron capture detector.

The results are shown in the attached table. No large quantities of PCB's (greater than about 50 ppm) were noted; however, some PCB's could have been masked by DDT and related compounds. A GC/MS analysis for PCB's on selected samples is in progress. Analyses for pH and alkalinity are also underway.

R. W. Buxton

RWB/lh
Anal. Ref. 6751-17, 19, 22.
Attachment

SAFEGUARD COMPANY INFORMATION

FORM 2032-000-00A

Table 1. Analysis of DDT and Chlorobenzene (MCB) in Soil Collected at Torrance

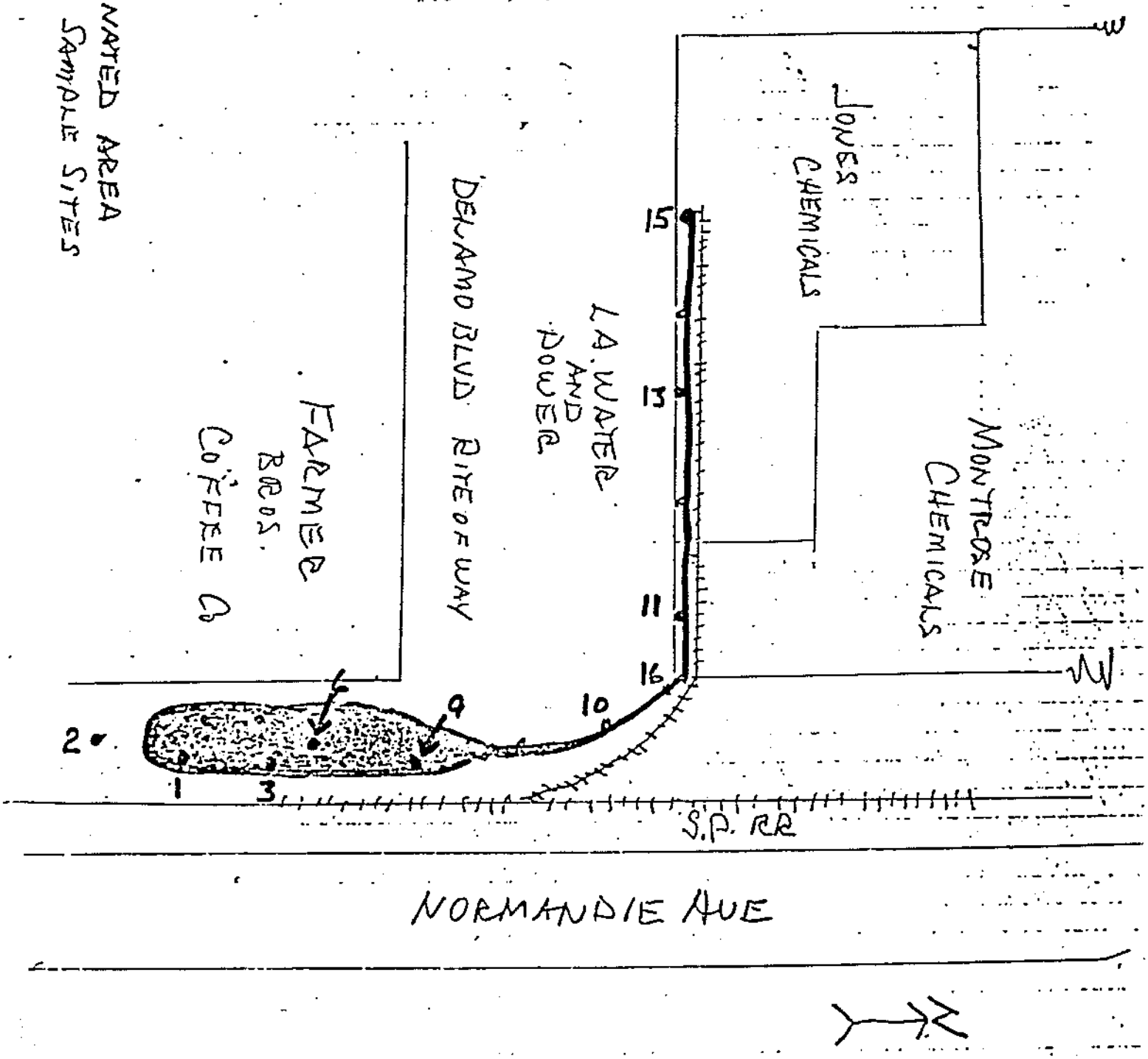
Sample No.	Dry Weight (%)	DDT and Related Compounds (ppm)[1]				MCB (ppm)[1]
		DDE	DDD	DDT	Total	
1B	80.4	30	40	270	340	100
1C	83.3	5	12	34	51	ND[2]
1D	85.5	1.2	0.6	4.3	6.1	ND
1E	85.4	0.4	0.7	1.7	2.8	ND
2A	65.0	250	450	1060	1760	680
3A	81.0	180	200	1340	1720	ND
3B	79.5	350	270	1670	2300	ND
3C	84.3	17	35	360	410	ND
3D	85.2	0.3	0.4	10.9	11.6	ND
3E	85.7	0.2	0.3	1.5	2.0	ND
6A	98.0	40	30	240	310	ND
6B	82.5	11	8	102	121	ND
6C	82.2	180	760	6700	7600	ND
6D	82.1	40	180	3400	3600	ND
6E	85.6	1	7	47	55	ND
9A	97.5	77	104	510	690	ND
9B	84.6	48	22	470	540	ND
9C	80.8	50	370	1440	1860	ND
9D	83.4	4	20	470	490	ND
9E	79.8	0.1	0.5	1.4	2.0	ND
10A	87.2	27	56	280	360	ND
10B	83.7	27	21	144	192	ND
10C	81.6	29	4	24	57	ND
10D	84.2	23	3	16	42	ND
10E	84.8	11.3	3.4	16.4	31	ND
11B	72.4	210	170	810	1190	ND
11C	78.2	220	140	1470	1830	ND
11D	83.4	2.1	3.6	9.7	15.4	ND
13B	76.4	0.8	0.1	0.7	1.6	720
13C	76.7	0.8	0.2	1.1	2.1	19
13D	80.4	0.2	0.1	0.7	1.0	ND
15A	69.0	13.1	4.7	12.6	30	ND
16A	82.8	15	36	115	166	ND
16B	81.2	23	81	265	370	ND
16C	85.4	120	60	170	350	ND
16D	82.8	20	90	180	290	ND
16E	83.4	20	170	170	360	ND

[1]All results are on a dry weight basis.

[2]ND denotes Not Detected. Detection Limit, 10 ppm MCB.

Sample group #1 - B, C, D, E
#2 - A only
#3 - A, B, D, D, E
#6 - A, B, C, D, E
#9 - A, B, C, D, E
#10 - A, B, C, D, E
#11 - B, C, D
#13 - B, C, D
#15 - A only
#16 - A, B, C, D, E

A- SURFACE
B- 6"
C- 12"
D- 18"
E- 24"



CONFIDENTIAL

Stauffer

INTER-OFFICE CORRESPONDENCE de Guigne T nical Center - Richmond (61)

Torrance-Montrose

J. L. Kallock

D. J. Brookman
M. G. Kleinschmidt
J. D. Sheehan
J. V. Wiseman
Central File

G. W. Schwab
R. W. Buxton

July 7, 1981

Analysis of Soil Samples:
Torrance-Montrose

Project No. 619700

RECEIVED
JUL 20 1981
MONTROSE-TORRANCE

Soil samples taken from the pond and drainage ditch area near the Montrose plant in Torrance were checked for pH and alkalinity. Results are shown in the attached table.

The procedure consisted of dissolving 10 g of dried soil in 10 mL of deionized water. Samples were mixed until completely dispersed and allowed to equilibrate before measuring pH. Samples with a pH above 8.3 received an additional 30 mL of deionized water. A Brinkmann auto-titration was then used to titrate each sample with standardized HCl to a pH of 8.3 to measure alkalinity.

G. W. Schwab

R. W. Buxton

GWS/RWB/lh
Attachment

SAFEGUARD COMPANY INFORMATION

FORM 6032-000-20A

Table 1. pH and Alkalinity in Soil Collected at Torrance

Sample No.	pH	Alkalinity (me/kg)
1B	7.8	
1C	7.2	
1D	7.4	
1E	7.0	
2A	10.0	37.
3A	10.5	145.
3B	9.4	14.
3C	5.5	
3D	7.5	
3E	6.9	
6A	10.2	15.
6B	10.4	15.
6C	4.8	
6D	3.7	
6E	3.7	
9A	10.1	14.
9B	8.0	
9C	6.2	
9D	4.7	
9E	4.5	
10A	10.1	14.
10B	10.9	29.
10C	10.8	27.
10D	8.3	
10E	7.5	
11B	11.3	156.
11C	10.8	66.
11D	8.1	
13B	11.3	65.
13C	11.6	102.
13D	11.5	85.
15A	8.3	
16A	7.8	
16B	8.8	6.
16C	7.1	
16D	6.9	
16E	7.0	

*Data determined on a dry weight basis.

Stauffer CHEMICALS

INTER-OFFICE CORRESPONDENCE

Cal 112 (62)

Westport

Westport | FROM J. D. Sheehan | 9/8/81

D. M. Greeno | SUBJECT DDT Analyses - Montrose

RECEIVED SEP 10 1981 UNION

E. L. Conant
W. C. Jaeschke
H. S. Mickley
S. Rotrosen
J. V. Wiseman

Attached is the formal report of analyses of soil samples collected in and around the Montrose-Torrance plant earlier in August. The totals confirm the results which Environmental Control reported to you August 26. Also attached is a plot plan of the plant showing the site of each sample.

Sample No. 12 was collected from a point about 80 miles north of the plant. It is intended to serve as a reference.

Hopefully, these results meet your requirements. We are not planning further studies, unless advised otherwise.

J. D. Sheehan

JDS/rcg
Attachments

SAFEGUARD COMPANY INFORMATION

FORM 6032-000-00A

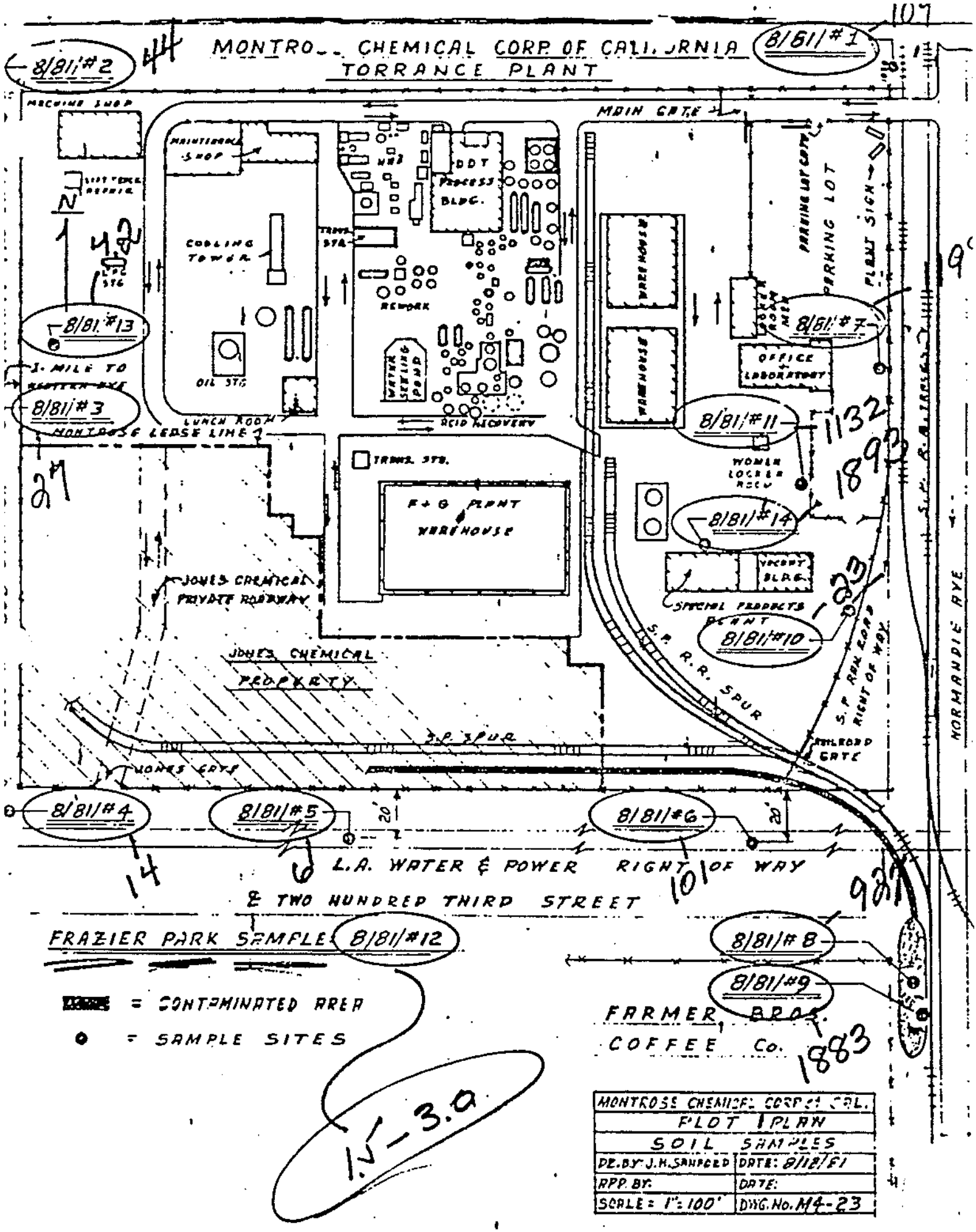
Table 1. DDT and Related Compounds in Soil Collected at Montrose, Torrance in August 1981

	Units = ppm					
Sample No.	pp'-DDE	op-DDD	op'-DDD	op-DDT	pp'-DDT	Total[3]
8-81-1	13	0.7	12	6.6	77	109
8-81-2	12	0.6	3.0	5.9	22	44
8-81-3	1.7	0.3	2.4	3.4	19	27
8-81-4	1.1	0.1	1.2	1.5	9.6	14
8-81-5	0.9	0.1	0.4	0.4	3.7	5.5
8-81-6	7.1	4.7	16	7.8	65	101
8-81-7	49	11	140	78	920	1198
8-81-8	110	66	160	41	550	927
8-81-9	180	100	330	73	1200	1883
8-81-10A[1]	2.5	0.2	2.1	2.5	16	23
8-81-10B	2.5	0.2	2.3	2.4	18	25
8-81-10C	3.2	0.2	2.2	2.4	14	22
8-81-11	46	22	190	64	810	1132
8-81-12A[2]	0.4	0.2	0.2	0.3	0.5	1.6
8-81-12B	0.6	0.3	0.3	0.4	0.7	2.3
8-81-12C	0.5	0.2	0.3	0.4	0.6	2.0
8-81-13	0.2	0.04	0.6	0.5	5.9	7.2
8-81-14	45	18	260	150	1400	1873

[1] Three replicates of sample 8-81-10 were extracted and analyzed

[2] Three replicates of sample 8-81-12 were extracted and analyzed

[3] Uncertainty in total is approximately ±10% relative


MONTROSE CHEMICAL CORP. OF CALIFORNIA
TORRANCE PLANT
8/81/#1
8/81/#2
MACHINE SHOP
MAINTENANCE SHOP
MAIN GATE
DDT PROCESS BLDG.
COOLING TOWER
REWORK
WATER SETTLING POND
OIL STG
LUNCH ROOM
ACID RECOVERY
WAREHOUSE
PARKING LOT
PLANT SIGN
OFFICE + LABORATORY
8/81/#7
8/81/#11
WOMEN LOCKER ROOM
8/81/#14
VACANT BLDG.
SPECIAL PRODUCTS PLANT
8/81/#10
8/81/#13
8/81/#3
MONTROSE LEASE LINE
F+G PLANT WAREHOUSE
JONES CHEMICAL PRIVATE ROADWAY
JONES CHEMICAL PROPERTY
S.P. R.R. SPUR
S.P. RAILROAD RIGHT OF WAY
RAILROAD GATE
S.P. SPUR
JONES GATE
NORMANDIE AVE
8/81/#4
8/81/#5
8/81/#6
L.A. WATER & POWER RIGHT OF WAY
& TWO HUNDRED THIRD STREET
FRAZIER PARK SAMPLE 8/81/#12
8/81/#8
8/81/#9
= CONTAMINATED AREA
= SAMPLE SITES
FARMER BROS. COFFEE Co.
MONTROSE CHEMICAL CORP. of CAL.
PLOT PLAN
SOIL SAMPLES
DR. BY: J.H. SANFORD
DATE: 8/18/81
APP. BY:
DATE:
SCALE = 1" = 100'
DWG. No. M4-23

Stauffer

INTER-OFFICE CORRESPONDENCE

de Guigne Technical Center-Richmond

Torrance-Montrose

R. W. Buxton

12/15/81

J. L. Kallock

DDT, DDD, DDE, and Monochlorobenzene in Soil and Water Samples

D. J. Brookman
M. G. Kleinschmidt
R. G. Wilson
J. V. Wiseman
Central File

Project No. 619700

RECEIVED
DEC 21 1981
MONTROSE-TORRANCE

We have analyzed the soil and water samples described in your memo of November 25, 1981 for DDT, DDD, DDE, and monochlorobenzene (MCB). The soil samples were extracted by shaking with a water-toluene mixture. Water samples were shaken to disperse the solids, then extracted with toluene. The entire water sample was used and the bottle was rinsed into the extraction apparatus with water and acetone. Concentrations of DDT, DDD, and DDE were determined using gas chromatography with electron capture detection. MCB was determined on a gas chromatograph equipped with a capillary column and a flame ionization detector. Results for soil samples are reported on a dry soil weight basis. Results are shown in the table below.

Case No.	Dry Weight (%)	DDT and Related Compounds (ppm)					MCB (ppm)
		p,p'DDE	o,pDDT	p,p'DDD	p,p'DDT	Total	
1-1	-	0.2	0.3	0.4	3.5	4.4	24
1-2	68.0	160	160	440	2400	3200	90
1-3	-	2	3	2	24	30	1.2
1-4	32.6	2500	2000	7900	28000	40000	120
1-5	91.1	30	20	130	600	780	ND(<1)

Reference: 7425-20 & 21

R. W. Buxton

mn

OIL SPILL PREVENTION CONTROL AND COUNTER-MEASURE PLAN

Montrose Chemical Corporation
of California
20201 South Normandie Avenue
Torrance, California 90502

1975
Revised April 1982

MANAGEMENT APPROVAL

This SPCC Plan will be implemented as herein described.

Signature John L. Kallok

Name John L. Kallok

Title Plant Manager

CERTIFICATION:

Engineer Bernard I. Bratter

Signature Bernard I. Bratter

Certificate Number CH 2119 State California

Date February 21, 1975

Reviewed Date April 26, 1982

SPILL PREVENTION CONTROL AND COUNTER-MEASURE

1. Name and Location of the Facility

Montrose Chemical Corporation of California
20201 South Normandie Avenue
Torrance, California 90502

2. Name and Adress of Operator

Montrose Chemical Corporation of California
20201 South Normandie Avenue
Torrance, California 90502

3. Person Accountable for Oil Spill Prevention

John L. Kallok - Plant Manager
Guy A. Dimichele - Maintenance Superintendent
Bernard I. Bratter - DDT Production Superintendent
Lane R. Hodgin - F & G Plant Superintendent

4. Montrose Chemical Corporation has been in continuous operation since 1947 (thirty-five years) without having any hazardous oil spill.

5. Description of Facility:

Montrose Chemical Corporation is a chemical manufacturing plant and stores and uses only fuel and lubricating oils.

The accompanying plot plan shows the property boundaries, adjacent street, on-site buildings and equipment, oil storage tanks, drainage line and oil handling equipment. Fuel oil is stored in a 100,000-gallon tank and a 10,000-gallon tank. Both tanks are above grade. Lubricating oil is stored throughout the plant in four 500-gallon capacity storage tanks. The entire plant area is surrounded by a steel chainlink fence and a locked gate. The plant operates continuously, 5 days a week and 24 hours per day. On weekends and holidays the plant and grounds are patrolled by personnel trained in plant operations and in detection of abnormal conditions, such as spills, fires and presence of unauthorized persons on our property. They have been instructed on how to proceed in the event of an emergency. In addition, technical supervisors patrol the plant and storage area at least once during their eight-hour shift.

6. Spill Prevention

Two of the 500-gallon lubricating oil storage tanks are located at the Grinding Plant. Both tanks are located above ground with suitable venting and have direct reading gauges. They are both equipped with a 1" main outlet valve. These tanks contain lubricating oil for machinery and are located

so that any resultant spill would flow by gravity into cleanout sumps and into our underground drainage lines. The underground drainage line from the cleanout sumps discharges into a 1,250-gallon Nottingham oil separator. When the level of the trapped oil exceed four inches, a vacuum truck is used to remove the oil layer and haul the sludge to a class I landfill site. In the event the spilled oil escapes from the oil separator, it will drain into a 900-gallon water recycle sump which automatically pumps the water and oil sludge into a process water settling pond (250,000-gallon capacity) where the oil can be skimmed off. The 100,000-gallon fuel oil storage tank is located in an open area within the plant property. The 10,000-gallon fuel oil tank is located near the steam plant. Both tanks are surrounded by a totally enclosed concrete filled block dike, each capable of containing the contents of the respective tanks. The third 500-gallon lubricating oil storage tank is for the refrigeration plant and is located in that area. In the event of a spill, the oil will drain into a catch basin that discharges into our process water settling pond. The fourth 500-gallon lubricating tank is located in the lift truck service area. The service area drains by gravity into an open-grating-covered trough. This trough discharges any oil into a 1,250-gallon Nottingham oil separater, which is cleaned by vacuum truck on a routine basis and the oil is disposed of in a class I landfill site. At no time does the level in the oil separator exceed the half-full mark. Special duty lubricating oils and several 55-gallon drums of heat transfer oil are stored outside the maintenance shop. In the event of a spill or leakage the oil can be contained by the use of "oil sorb" or other oil absorbent material. The spent "oil sorb" is cleaned up periodically and discarded in our trash bins for disposal in a class I landfill (BKK).

7. Personnel

All plant supervisors and personnel have been instructed and trained in the following spill prevention and counter-measure plan.

a) The plant manager and superintendent are to be contacted immediately in the event of an oil spill.
b) No tanks are to be filled unless there is sufficient room to accommodate the total shipment.
c) No tank is to be filled unless attended continuously.
d) Personnel have been informed of the location and use of oil absorbent material.
e) Shovels have been located throughout the plant area for containment or diverting oil spills to sumps.
f) Personnel have been instructed in the use of portable pumps if the conditions require it.
g) These instructions and company regulations are reviewed on a routine basis in the shift discussion and safety talks.

GENERAL DESIGN AND OPERATION INFORMATION

1. Accumulation of oil and water in the fuel oil storage dikes is pumped out either by a steam operated ejector or a vacuum truck for salvage or disposal.

2. Operating and maintenance personnel using our fuel or lubricating oil storage tanks are instructed to examine all valves, pumps, piping, joints, and glands for leaks when in use.

3. The unloading is designed so that no above-ground piping parallels or crosses any roadway. The connection for the unloading hose is within the dike to contain any spillage.

4. The fuel oil unloading area is located at a sump which will allow swift drainage during the unloading operation. Further, the truck driver is responsible for connecting and uncoupling his hose when empty, with the aid of the plant personnel.

5. Any other oil spills will be dried up with "oil sorb" or similar material. The spent "oil sorb" will be discarded in a class I landfill (BKK).

SFUND RECORDS CTR
0639-03607

(65)

Cal 105

F

Stauffer

INTER-OFFICE CORRESPONDENCE

ORIGINATING DIRECT: de Guigne Technical Center-Richmond

TO LOCATION: Union, NJ

FROM: T. J. Meyers
J. A. Johnson

DATE: 8/4/83

ATTENTION: S. Rotrosen

SUBJECT: DDT Analyses of Soils at Torrance Site

COPY TO: D. J. Brookman
D. Greeno
T. J. Kent
J. A. Kieft
M. G. Kleinschmidt
J. C. McKay
Central File

RECEIVED
AUG 9 1983
UNION

Project No. 619700

Key words: Soil analyses, DDT analogs, on-site analyses

At the request of Tom Kent (SCC), on-site sampling and analyses of soil for DDT and related compounds was conducted at the Montrose-Torrance site. Instrumentation from WRC was temporarily installed at Stauffer's Dominguez plant for this program.

Specific areas for sampling/analyses were designated by Montrose consultants, J. Kallock and B. Bratter, as follows:

a) North-west corner of plant site (100' X 385');

b) Soil excavated from the recycle pond area, currently piled on-site;

c) Debris pile, principally soil collected from the southeast perimeter area;

d) Soil along the east-west fence on the northern boundary;

e) Soil in area adjacent to north boundary of Jones Chemical Company. (refer to site map, Figure 1).

Sampling locations were identified by means of an imaginary grid laid out over the property. The grid is shown in Figure 1; each grid line is separated from its neighbor by 25 feet. Each sample was identified with a unique code formed from grid coordinates, sample number from each grid, type of sample, and sampling date. For example the first sample is numbered:

02/08-01-B05-072283

where:

1. 02 corresponds to the north/south grid line;
2. 08 corresponds to the east/west grid line;
3. 01 is the sample number from this coordinate set;

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MON383 1549

4. B-05 designates the type of sample: this sample was taken from a trench or pit 5 feet below grade;

5. 072283 indicates the date of sampling (July 22, 1983).

Samples were collected according to guidelines in EPA publication SW-846 "Test Methods for Evaluating Solid Waste" (July 1982).

Three types of samples were collected:

A. Above ground level, samples from piles.

B. Below ground level, samples from walls and bottoms of excavations, trenches and pits.

C. Cored samples, obtained with soil auger to depths of one foot.

Most of the soil was quite heterogenous and care was taken to obtain a sample representative of each area under examination. Generally at any one location, 5 to 25 individual samples were collected. The samples were combined, mixed and homogenized by rolling and crushing. The resulting composites, 500 to 2000g, were used for subsequent analysis.

Analytical methods were based on EPA method 8080 as detailed in the above EPA publication. A 5 gram subsample was extracted with solvent and the resulting extract was analyzed using a gas chromatograph equipped with electron capture detection. Table 1 summarizes the results from 48 samples collected between July 23 and July 28, 1983. Only DDT and its analogs DDD and DDE, were quantitated in these analyses. The results reported in Table 1 range from 110 to 710,000 ppm total DDT and analogs. This indicates considerable variation in the levels of DDT at the site.

A quality assurance program was part of the analysis; pertinent results are presented in Tables 2 and 3. Table 2 summarizes recoveries from fortified soils. Ten percent of the samples were fortified; an average recovery of 91% was found. Table 3 indicates the precision that can be expected from the sampling/analytical procedures to be ±30 to 40%. Prior experience with analyzing DDT indicates the precision of the analytical method to be ±10%. The variability observed in this test confirms the heterogeneity of the material sampled.

Most of the analytical instrumentation used in this program will remain at the Dominguez plant until September 1, 1983 at which

MON38 1550

time it is scheduled to be relocated to Henderson, Nevada to support the groundwater project. If requested, additional on-site assistance can be completed, however after September 1, the analyses will be carried out at Richmond.

If any further assistance is needed, please contact us.

T. J. Meyers

T. J. Meyers

J. A. Johnson

J. A. Johnson

xm
attachments

Anal. Ref: 8725-1 to 16
8726-1 to 3
8727-1 to 21

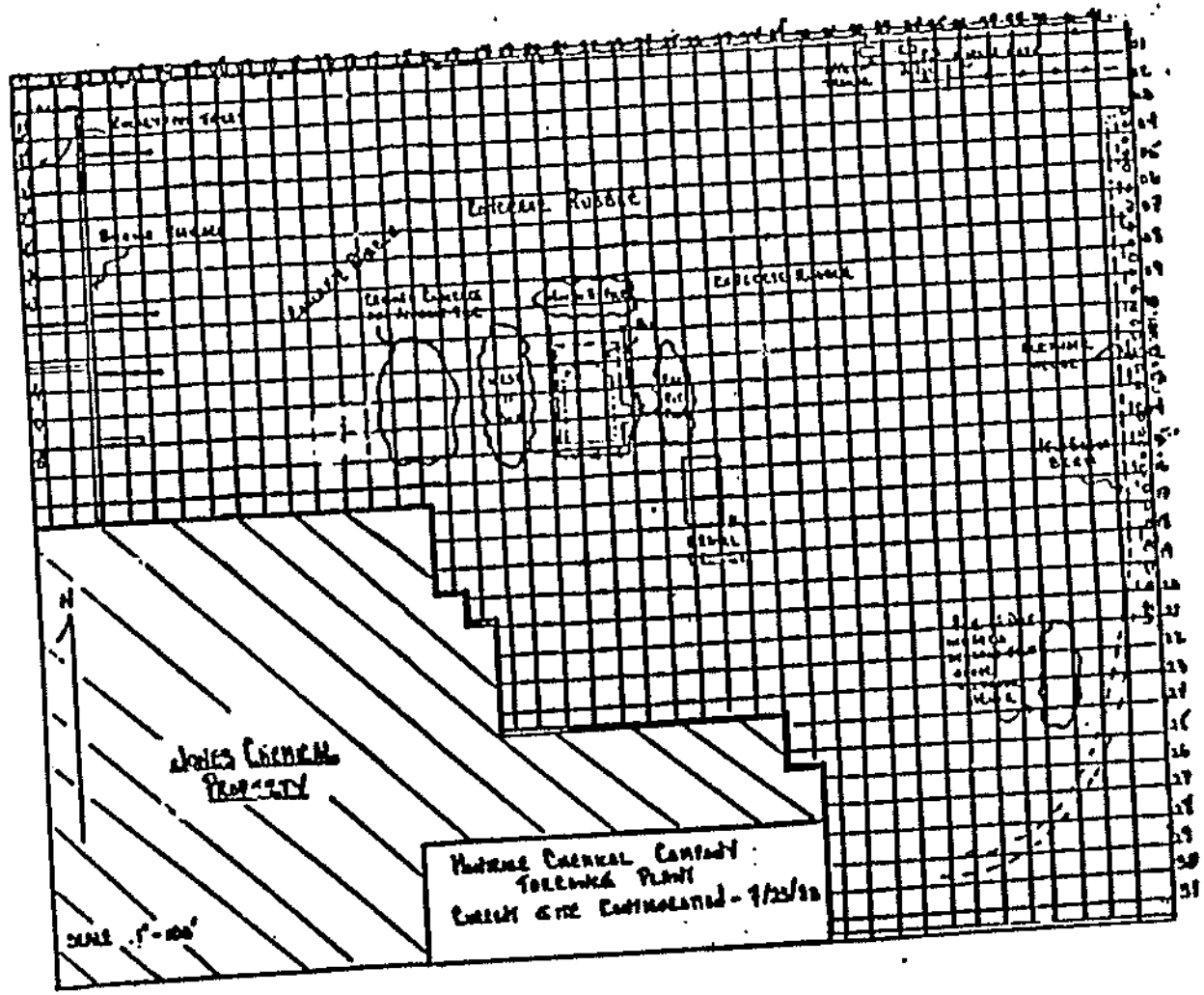

Figure 1. Sampling grid at Montrose Chemical Co. Torrance Plant. Each square is 25' by 25'.

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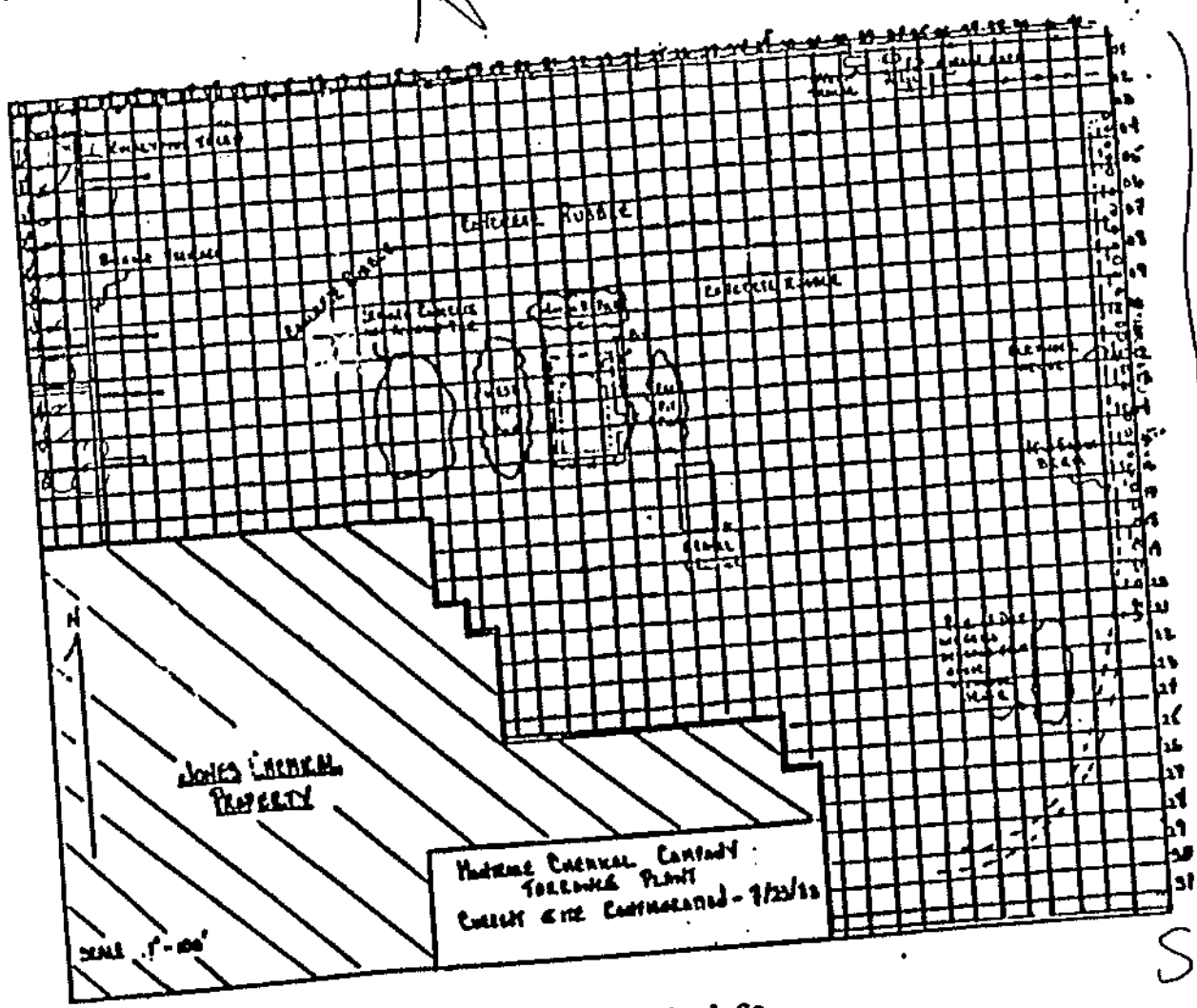

Figure 1. Sampling grid at Montrose Chemical Co. Torrance Plant. Each square is 25' by 25'.

Table 1 (continued)

#	Sample Code[a]	Sum of DDT[b] Analogs	1,4'DDE[c]	4,4'DDE[c]	1,4'DDD[d]	1,4'DDT[e]	4,4'DDD[d]	4,4'DDT[e]
			Units = ppm					
25	07/01-01-C01-072683	43,000	80	340	640	7,600	3,400	32,000
26	07/01-02-C01-072683	60,000	70	300	970	12,000	3,600	44,000
27	07/01-03-C01-072683	7,200	64	230	210	210	170	1,200
28	07/03-01-C01-072683	4,700	110	800	160	500	170	2,600
29	08/01-01-C01-072683	12,000	64	370	200	2,000	790	8,500
30	09/03-01-C01-072683	32,000	1,300	12,000	340	6,100	660	10,000
31	11/03-01-C01-072683	7,500	490	1,900	1,000	620	200	3,000
32	13/21-01-C01-072683	4,100	60	470	120	730	250	2,500
33	23/27-01-C01-072783	470	4	27	6	70	18	340
34	23/25-01-C01-072783	1,100	33	150	400	39	99	330
35	23/23-01-C01-072783	1,500	6	47	24	240	75	1,100
36	23/21-01-C01-072783	590	3	29	12	97	24	410
37	03/00-01-C01-072783	1,200	11	55	26	170	53	840
38	04/03-01-C01-072783	34,000	500	3,200	540	3,300	890	19,700
39	03/03-01-C01-072783	11,000	150	1,000	230	1,300	420	7,500
40	13/03-01-C01-072783	8,100	60	300	180	1,100	410	6,000
41	16/03-01-C01-072783	6,700	110	320	150	900	310	4,800
42	21/01-01-C01-072883	2,900	150	490	370	370	93	1,400
43	12/01-01-C01-072883	4,500	130	490	570	620	190	2,500
44	13/01-01-C01-072883	27,000	47	230	410	4,000	1,500	20,000
45	14/01-01-C01-072883	27,000	89	320	470	5,700	1,800	20,000
46	21/12-01-B15-072883	1,[illegible]00	3	13	24	400	72	540
47	23/24-01-C01-072983	930	5	27	17	150	36	90
48	26/22-03-A05-072883	1,100	21	140	32	120	45	760

Footnotes: a) Sample code is designated as follows:

Location Code: Grid number North/South Axis-25'	Location Code: Grid number East/West Axis-25'		Serial # number of replicate		Elevation: Ft above ground level, Ft below ground level, Cored to mm Ft		Sampling Date: month	day	year
XX/XX		=	XX	=	AXX BXX CXX	=	XX	XX	Ft 0

b) Sum rounded off to two significant digits

c) DDE = 1,1-dichloro-2,2-bis(4-chlorophenyl)ethylene
1,1-dichloro-2-(1-chlorophenyl)-2-(4-chlorophenyl)ethylene

d) DDD = 1,1-dichloro-2,2-bis(4-chlorophenyl)ethane
1,1-dichloro-2-(1-chlorophenyl)-2-(4-chlorophenyl)ethane

e) DDT = 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane
1,1,1-trichloro-2-(1-chlorophenyl)-2-(4-chlorophenyl)ethane

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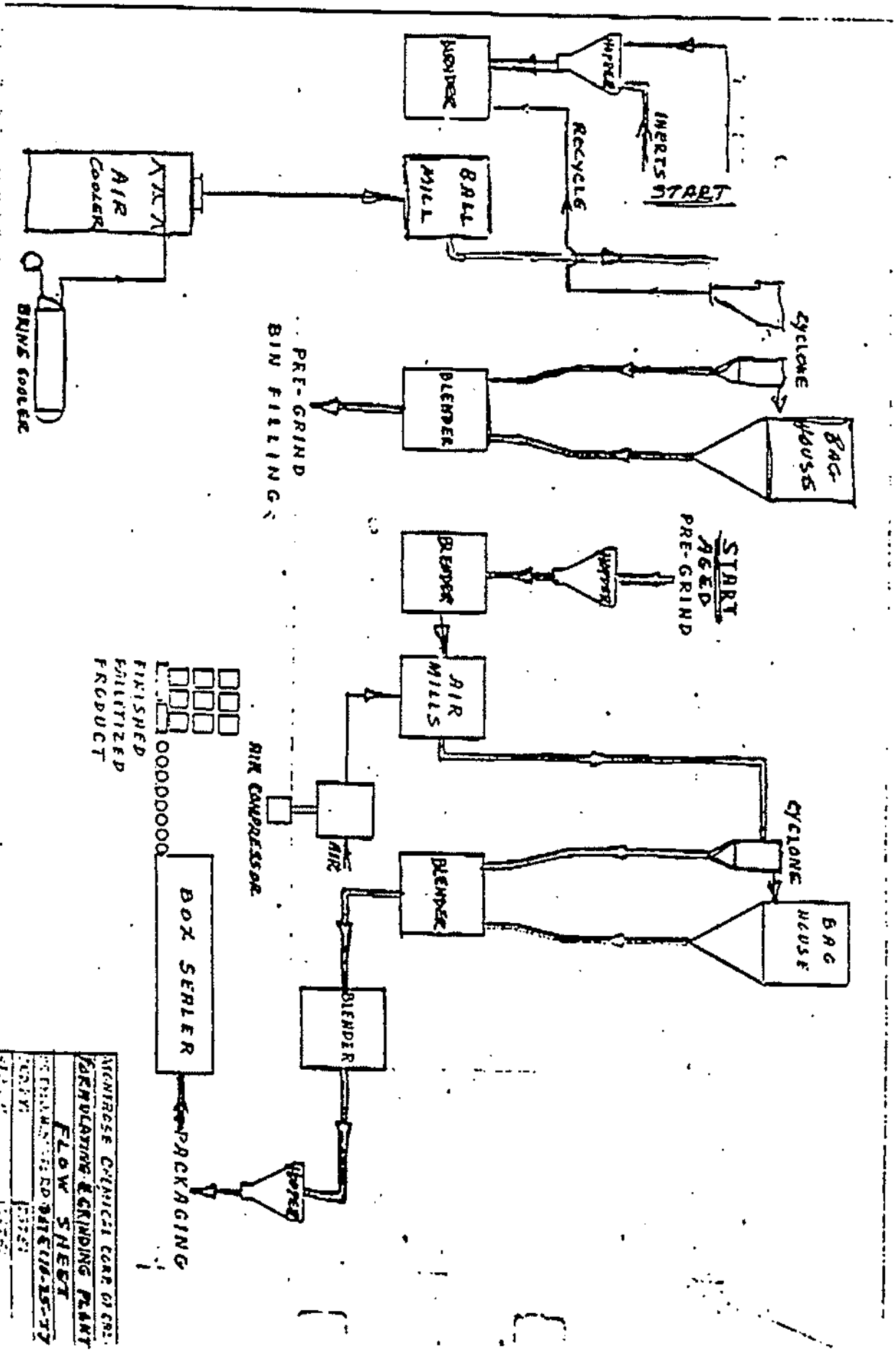
Table 1. Analyses of Soil Samples Collected at Montrose-Torrance Site in July, 1983.

#	Sample Code[a]	Sum of DDT[b] Analogs	2,4'DDE[c]	4,4'DDE[c]	2,4'DDD[d]	2,4'DDT[e]	4,4'DDD[d]	4,4'DDT[e]
			Units = ppm					
1	03/00-01-D03-072283	520	27	220	4	75	11	100
2	03/00-02-D03-072283	110,000	4,600	48,000	1,700	13,000	2,200	37,000
3	03/03-01-D01-072283	150	9	24	5	22	7	88
4	12/10-01-A10-072283	7,100	21	300	360	990	780	4,600
5	12/24-01-A10-072283	3,500	15	350	100	520	160	2,300
6	22/30-01-A05-072283	1,400	14	120	36	160	47	1,040
7	22/39-01-A05-072283	860	14	100	14	95	20	615
8	12/10-02-A10-072283	3,500	44	410	97	690	200	3,100
9	09/21-01-A08-072283	13,000	330	3,100	210	1,900	360	6,800
10	09/03-01-A00-072483	4,100	42	450	130	440	130	2,900
11	09/00-01-A00-072483	38,000	280	1,800	410	6,600	740	20,000
12	09/13-01-A00-072483	8,400	88	600	140	910	160	8,500
13	09/10-01-A00-072483	13,000	260	800	240	1,300	100	10,000
14	02/02-01-D01-072483	710,000	4,500	40,000	16,000	55,000	16,000	500,000
15	10/03-01-D03-072483	64,000	3,400	24,000	8,000	5,900	1,400	30,000
16	10/03-02-D04-072483	110	8	28	14	22	3	34
17	12/24-02-A10-072483	5,500	110	740	220	400	320	3,300
18	22/30-01-A06-072483	1,600	23	100	36	170	42	1,100
19	02/01-01-D01-072583	31,000	240	1,700	540	4,400	1,200	23,000
20	03/01-01-D01-072583	11,000	270	1,500	23	1,300	490	7,500
21	04/01-01-D01-072583	11,000	460	2,600	310	1,700	390	5,200
22	05/01-01-C01-072683	3,900	94	640	97	570	150	2,400
23	05/01-02-C01-072683	8,400	110	760	150	780	210	4,400
24	06/01-01-C01-072683	11,000	700	1,600	200	1,200	300	7,200


START
INERTS
RECYCLE
BALL MILL
AIR COOLER
BRINE COOLER
CYCLONE
BAG HOUSE
BLENDER
PRE-GRIND BIN FILLING
START AGED PRE-GRIND
AIR MILLS
AIR COMPRESSOR
AIR
FINISHED FULLTIZED PRODUCT
BOX SEALER
PACKAGING
MONTROSE CHEMICAL CORP. OF CA.
FORMULATING & GRINDING PLANT
FLOW SHEET

I

MANUFACTURE OF DDT

Prior to shutdown of operations in 1982 the Montrose Chemical Corporation of California Torrance plant manufactured and sold technical grade DDT (dichloro-diphenyl-trichloroethane) in the form of flake, chips and powder. A substantial amount of the technical grade DDT produced was formulated and converted to 75% DDT water dispersable powder; 10% DDT dusting powder, Malathion/DDT water dispersable powder and oil solutions containing 5 to 25% DDT. The basic raw materials used in the manufacturing process included monochlorobenzene (MCB) chloral (Trichloroethanol) and Oleum (fuming sulfuric acid). A complete list of raw materials used in the manufacture and formulation of DDT is contained in Table 1.

The DDT manufacturing process started with a condensation reaction which combined 2 moles of MCB and 1 mole chloral in the presence of 100-105% sulfuric acid as a catalyst yielding a slurry of DDT and a 96% spent sulfuric acid. The DDT was separated from the acid by filtration. The filtrate acid produced was fortified with Oleum and recycled back to the DDT process.

The DDT-acid cake was melted at 110 C with live steam and the molten DDT was then separated from the bulk of the acid by static separation. The molten acidic DDT was neutralized with a 15% NaOH caustic solution. The neutralized DDT was then washed with boiling water and settled. The molten DDT, free of entrained water and salts, was crystallized into the form of chips or flakes. The DDT chips or flake was either packaged in 50 lb multiwall paper bags for sale to customers or transfered in bins to the formulating and grinding plant for conversion to powder.

The dilute acid that was separated from the molten DDT was transfered to the acid recovery unit for processing to recover MCB. The recovered MCB was recycled back to the DDT process. The recovered 80-85% strength sulfuric acid was either sold or disposed of in a class 1 land fill.

The alkaline waste liquid generated in the neutralization step contained spent caustic, the sodium salt of Monochlorobenzene Sulfonic Acid (NaMCBS), low grade DDT, DDT isomers, and sodium sulfate. This alkaline waste was disposed of at a class 1 land fill. However none of this alkaline waste liquid was ever disposed of at the Stringfellow disposal site. A list of the raw materials, final products, by-products and waste products common to the manufacture and formulation of DDT at the Montrose Torrance plant can be found in Table 1.

TABLE 1

Raw Materials

Alkyl Aryl Polyether Alcohol (Triton X-155)
Ammonium and Sodium Lignin Sulfonates (Orzan)
Amorphous Silicon Dioxide Hydrated (HiSil 233)
Aromatic Petroleum Derivative (Agrisol 75)
Aromatic Petroleum Derivative (Toxisol)
Calcium Silicate Synthetic (Micro-Cel E)
Calcium Sulfate Dihydrate (Industrial Ground Gypsum)
Chloral (Trichloroethanol)
Kerosene-De-odorized
Magnesium Silicate Hydrate (Talc)
Malathion (Organo phosphate)
Monochlorobenzene (MCB)
Oleum - 65% (Fuming Sulfuric Acid)
Sodium-N-Methyl-N-Oleoyl Taurate (Igepon T-77)
Sulfonated Lignin (Reax 45A)
Sodium Hydroxide - 50% Solution
Xylene - Solvent

Products

100% DDT - Technical Grade Flake, Chips and Powder (Dichloro-Diphenyl-Trichloroethane)
75% DDT Water Dispersable Powder
10% DDT Dusting Powder
DDT/Malathion Water Dispersable Powder
25% DDT Emulsifiable Concentrate
5% to 20% DDT Oil Solutions

By Product

75-80% Sulfuric Acid

Waste Products

75-80% Sulfuric Acid
Alkaline Waste liquid
Waste solids comprised of tars, tank bottoms, floor sweepings, and trash (i.e. paper, empty bags, barrels, wood, plastic, etc.)

* All waste products, liquid and solid, were hauled and disposed of at a certified Class 1 land fill by certified contract haulers.

May 8, 1992 (68)
Timothy Gaffney

REQUEST FOR INFORMATION:

18. Provide all information concerning any sale and transfer of any material from the Jones facility to the adjacent facility operated by Montrose Chemical.

RESPONSE TO REQUEST FOR INFORMATION #18:

Attached please find a copy of the Jones Chemicals, Inc. Price Card showing chemical purchases by Montrose Chemical. Please note that we are not sure if these chemicals were shipped directly from Jones Chemicals, Inc. or from a third party.

The date on the left hand side of each entry on the card corresponds to the date that the first invoice for that entry was typed. Any subsequent date on the right hand side of each entry on the card corresponds to the date that the first invoice for that entry was typed following a price change.

ATTACHMENT FOR
RESPONSE TO REQUEST
FOR INFORMATION # 18

608400

Montrose Chemical Corp. of Calif.
~~500 So. Virgil Avenue~~ ~~3250 Wilshire Blvd, (Suite 1800)~~ 5% Sales Tax
~~Los Angeles~~, California ~~09005~~ ~~90010~~
Torrance
Montrose Chemicals
Torrance, California

6/17/68 365# dr. Acetone----------@~~11.50/cwt.~~
450# dr. glacial acetic acid----@~~14.50/cwt.~~ (35.00)
10/3/68 50 gal. drum perchlorethylene----@~~1.60/gal.~~
10/8/68 100# Bags Sodium Bichromate----@~~[illegible]/cwt~~
1/24/69 750# drum sulfuric acid----------@~~2.60/cwt.~~ (35.00)
2/25/69 150# cyl. anhy. ammonia----------@~~.16/lb.~~ (50.00)
3/17/69 128# cbys Muriatic Acid----------@ ~~3.45/cwt~~
6/11/69 Gallons IPA ----------@.48/gal.
10/16/69 55 gal. dr. IPA----------@~~.72/gal.~~ (dep 600) 1.055 10/26/73
(Even Exchange)

12/22/69 50# bags Celite----------@~~2.75/bag.~~
7/14/70 100# bag TSP----------@~~6.95/cwt.~~
2/18/71 100# Bag Calcium Chloride----------@~~4.60/bg.~~
1/25/73 50# Bag Hydrated Lime----------@~~32.00/ton~~
3/7/73 Gal Perc.---------- ----------@1.70/gal.
1/20/73 100# Bag Aluminum Sulfate----------@5.00/cwt

7/10/74 100# Bag Sodium Sulfite----------@11.90/cwt.
1/7/76 50# Bg. celite----------@4.40/bg.
6/28/76 475# Dr. Muriatic acid----------@4.60/cwt. (dep.35.00)
50# Bg. Ammonium BiFluoride----------@46.00/cwt.
8/21/81 100# Dr. HTH Granular----------@130.30/dr.
3/9/82 40# Pl. Trichloro----------@100.55/ea.

(69)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

August 21, 1992

Mr. John L. Kallok, P.E.
President
Kallok Enterprises Incorporated
16614 Kristin Ave.
Torrance CA 90504

Dear John:

Attached is your copy of your comments (8/10/92) on my draft Report of Interview with you on 7/15/92. The marked up copy with your comments constitutes the final Report of Interview. No additional work product from me is necessary or required. Thanks for taking the time to meet with me and for providing your comments. If you have any questions, I can be reached at (415) 744-2358.

Sincerely,

Steven H. Simanonok

cc w/attachment:

Mr. John Lyons, EPA
Mr. Lee Graves, NOAA
Mr. Gerry George, DOJ
Mr. Adam Kushner, DOJ

KALLOK ENTERPRISES
INCORPORATED

16614 KRISTIN AVE. TORRANCE, CA. 90504 213-323-2056

August 10, 1992

Mr. Steven H. Simanonok
U.S.E.P.A.
Regon IX
75 Hawthorne St.
San Francisco, CA 94105

Dear Steve,

Thank you for sending me a copy of the draft Report of Interview for my comments. As you suggested I made my corrections and revisions directly on the report and am returning it to you.

I would appreciate a copy of your final draft.

Sincerely,

John L. Kallok

JOHN L. KALLOK

enclosures

c.c. w/attachment

Mr. Frank Bachman
Mr. Carl Lytz Esq.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

July 26, 1992

Mr. John L. Kallok, P.E.
President
Kallok Enterprises Incorporated
16614 Kristin Ave.
Torrance CA 90504

Dear John:

As we agreed at our meeting on July 15, 1992, I am providing you a copy of my draft Report of Interview. Please let me know if I have misunderstood any of our discussion. You may send me formal comments, or, for your convenience, make corrections directly on my report and return a copy to me. Thanks again for taking the time to meet with me. If you have any questions, I can be reached at (415) 744-2358.

Sincerely,

Steven H. Simanonok

cc w/attachment:

Mr. John Lyons, EPA
Mr. Lee Graves, NOAA
Mr. Gerry George, DOJ

REPORT OF INTERVIEW

MR. JOHN KALLOCK

On July 15, 1992, I interviewed Mr. John Kallock at the former Montrose Chemical CORPORATION OF CALIFORNIA ~~Company~~ location in Torrance, California. John and I talked about my earlier visits with him, when Montrose was still an active facility. I told John that Montrose was one of my first RCRA inspections in 1979 and that my 1982 sampling was one of EPA's first CERCLA field activities. John mentioned I had never offered Montrose split samples during my 1982 investigation. I told him that I didn't offer split samples because I wasn't on Montrose property when I obtained the samples. He said that I had sampled on Montrose property, that their property extended beyond the southeast corner of the fence line. I told John that I remembered a Montrose employee obtaining water samples of their rainwater discharge from inside their fence, while I was sampling the same discharge from outside their fence.

I questioned John about his employment at Montrose. John stated that he was no longer a Montrose employee, that he was currently retained as a consultant for Montrose Chemical. He stated that he had started as an employee of Montrose Chemical in May of 1947. At that time, Stauffer Chemical Company was already located on the property. He explained that Stauffer's sulfuric acid plant was located where Jones Chemical is now, and that Stauffer's laboratory was located on the east side of the

property. He stated that Stauffer's lab was a research facility. Directly south of the lab was Stauffer's BHC pilot plant, which made a refined and odorless BHC derivative. [It is clear in my notes that Stauffer's sulfuric acid plant and lab were on the property at the beginning of Montrose in May of 1947. However, it is not clear whether the BHC plant was already constructed at that time.] The BHC pilot plant was constructed at a later date.

I asked John about the buildings that were originally on the site. John said that he understood that the original buildings were leftover from Hughes-Mitchell. John remembered providing me a copy of a Spence Aerial photo that he thought was taken around 1940. John explained that Hughes-Mitchell had the sulfuric acid plant eventually taken over by Stauffer. John stated that he was told that the plant was a joint venture between Hughes-Mitchell and Sears Roebuck and that Hughes-Mitchell had a Manheim furnace to ~~roast~~ produce HCL. John did not believe that Stauffer purchased the sulfuric acid plant directly from Hughes-Mitchell. Rather, he was ~~recalled~~ told that Stauffer obtained the property from the War Production Board, with the understanding that Stauffer would continue to operate the sulfuric acid plant.

Throughout my interview with John, we referred to various building department permits I had obtained the previous day. John indicated on plot plans that Montrose had inherited the #1 warehouse, and Montrose constructed the #2 warehouse. John explained that Stauffer continued to operate on the property after Montrose started operations. He said that Stauffer

continued to operate the acid plant until about 1952 and operated ~~the~~ part of the lab and BHC pilot plant until the 1960's. After Stauffer discontinued the acid plant, Stauffer leased this portion of the property to Jones Chemical Company, around 1956. John explained that Jones Chemical had formerly operated on Border Avenue in Torrance, until Jones had a major chlorine leak and "~~Torrance ran them out of town.~~" as a result Jones had to find a site in a less populated area.

I asked John to explain the relationship between Montrose, Stauffer, and Jones. John said that Stauffer was a large chlorine producer and sold bulk chlorine and sulfuric acid to Jones. He said that Montrose was also a big user of Stauffer's chlorine at their Henderson, Nevada plants. Montrose did not have any business ties with Jones.

I asked John to explain the early formation of Montrose Chemical Corporation of California. He said that before there was a Montrose Chemical Corporation of California, Montrose made DDT in New Jersey, and Stauffer would purchase DDT from Montrose. John said that my guess that John Stauffer and Dr. Pincus Rothberg of Montrose of New Jersey formed Montrose of California. Later, around 1955-6, Montrose of New Jersey became a public corporation and merged with Baldwin Rubber Company, which became Baldwin Montrose Corporation. Later, Chris-Craft merged with Baldwin Montrose Corporation and Chris-Craft was the surviving corporation. Since Montrose of New Jersey owned 50% of Montrose of California, Chris-Craft ended up with 50% of Montrose CHEMICAL CORPORATION OF CALIFORNIA.

Initially, Montrose of New Jersey and Stauffer provided

management services to Montrose of California and Montrose of California paid Montrose of New Jersey and Stauffer for these services. For instance; union affairs were handled by Stauffer's personnel department; purchasing was initially handled by Stauffer, and later Montrose established their own purchasing department. John said that these management agreements were periodically renegotiated.

I asked John whether Stauffer provided laboratory services. John said that Montrose had their own control laboratory, which was well equiped and staffed to handle all analytical functions in the production of DDT. John explained that initially ~~performed chemical reactions in test tubes and beakers. John explained that~~ DDT was measured at percent concentrations, and it was only much later that Montrose purchased a gas chromatograph for a more precise method of testing raw materials, product and for other uses.

I asked John about Montrose production of DDT. He said that Montrose manufactured technical DDT which consisted of 75-80% p,p'-DDT plus o,p' DDT and around another 12 byproducts from the DDT condensation reaction. Originally, Montrose produced lump DDT which was shipped in 100 pound burlap bags. Some of this technical DDT was sent to a technical grinding plant on-site where it was ground into either a fine powder or a super fine powder using dry ice. In 1964, Montrose built a new formulation and grinding plant to formulate and grind a 75% wettable powder, which was an end-use formulation. Montrose occasionally produced a 10% dusting powder primarily for World Health Organization usage. Montrose also formulated a DDT/Malathion wettable powder for an Australian or New Zealand customer.

I told John I was getting confused about their product lines and he explained that Technical Grade DDT was produced as lump, flake, chip, and powder, which was all sold as technical material. Montrose would use the flake and chip DDT for their own formulation of their own end-use products (see previous paragraph).

Prior to building its own formulating and grinding plant Montrose sent DDT to several other companies for grinding. This arrangement was called "tolling", that is, Montrose paid by weight for other companies to grind on Montrose's behalf. These other companies included United Heckathorn in Richmond, California; and Stauffer Chemical in Dominguez, California.

Technical Grade DDT was packaged in~~to boxes and~~ bags. John explained that initially lump DDT was packaged into 100 pound burlap bags. He said that flake and chip DDT was packaged into 50 pound multi-wall kraft bags with polyethylene liners. Technical DDT was shipped by both rail and truck. When DDT was discontinued in the United States in 1972, these modes of transportation continued to be used. For instance, trucks transported DDT to the Port of Los Angeles, where Montrose used American President Lines and other lines to ship abroad. John remembers that at one time, ~~this carrier had~~ one company had dedicated 2 of their ships for transportation of DDT. Montrose also loaded DDT into rail cars. For instance, DDT was shipped by rail cars to the Port of Houston, where it was loaded onto ships. DDT was also transported out of the facility's location using ~~roll off/roll on~~ sea going containers. Montrose used independent truckers to haul these containers. to the docks.

I questioned John about Montrose's acid waste from DDT production. John said that at the beginning, in 1947, their waste acid was picked up by California Salvage trucks at the Montrose plant. From 1947 to around 1960, most of this acid waste was dumped at sea by California Salvage. However, some waste acid was occasionally sold to other companies as a byproduct material. Around 1960, Montrose constructed an acid recovery plant and created a saleable product which was sold to Stauffer Chemical in Dominguez and Martinez, Valley Nitrogen, and other companies. John pointed out that the market for their recovered acid would fluctuate, but he recalled that sales increased significantly in the 1960's and 1970's. John remembered that some waste acid was sold in the L.A. area as a cesspool and sewer drain cleaner. He said that some acid was shipped to Montrose in Henderson, Nevada, and used as a drying agent for chloral. At one time, Los Angeles County had an acid treatment plant which received some Montrose waste, sometime in the 1960's. John could not remember any more specifics about this plant and suggested that I should ask Bernie Bratter about Montrose using the L. A. County acid plant. ~~before Stringfellow.~~ I asked John why Montrose contributed such a large amount of waste acid at Stringfellow and he said that during this period [1/68 - 11/72] that their waste acid was not being sold. John mentioned that BKK and other landfills ~~may have also been~~ were used to dispose of waste acid.

I asked John about Montrose production of caustic waste. He said that originally, their process did not entail the use of

caustic. He said that around 1953, Montrose converted their process and started using caustic in the production of DDT.

I questioned John about how the Montrose pond was used for caustic waste. John stated that Montrose caustic waste was first discharged through an unlined settling pond and neutralization tanks until 1970. John stated that Montrose had an 18" sewer line which ran to Normandie Avenue. He ~~explained~~ had been told that Montrose was permitted to tie-in directly to the Los Angeles County Sanitation District (LACSD) line because Stauffer had granted LACSD an easement across their property. He stated that the pond was lined in 1970 and various process~~es~~ changes were then employed to significantly reduce Montrose's water usage. Once this pond was lined, virtually all plant water was recycled to this pond. When the caustic waste discharge to the LACSD line was halted, caustic waste was hauled to Palos Verdes and BKK landfills by Chancellor & Ogden, or Post Transportation. Some waste may have been transported elsewhere.

I showed John an old City of L.A. sewer schematic that showed a Stauffer sewer line discharging to Western Avenue. This schematic also indicated that Jones Chemical was discharging into Stauffer's sewer line to Western Avenue. John explained that ~~when~~ Stauffer discontinued use of the sewer line to Western Ave ~~s sewer line was blocked off, Stauffer ran their~~ because it was more direct and shorter. tied ~~line to~~ into the Montrose's sewer. At that time, Jones discharge route was no longer available, and Jones diverted their waste to a cesspool or drywell. I showed John a City of L.A. Inspection record that indicated that Jones was then disposing of their

industrial waste into the Montrose pond. John stated that he did not recall ever giving Jones permission to dispose of their wastes into the Montrose pond. However, such an arrangement may have been made between the former Jones Manager (Derthick) and the former Montrose Manager (Wilcox), but John said he didn't recall such an arrangement, and that both of the former plant managers were deceased.

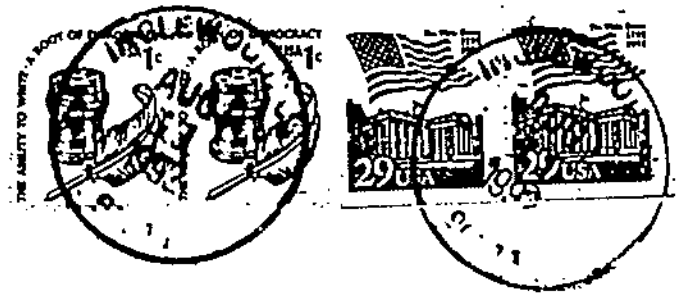
I asked John about Jones Chemical's use of the Montrose ditch. John said that around 1980, Jones had a spill of caustic at about the same time that Montrose had a MCB spill from an unknown source. Both of these spills ran off the property and ponded along the railroad tracks parallel to Normandie Avenue. John recalled working with a Mary Cooper with the State Department of Health Services to clean up the spill. John said that this spill was the only incident that he could recall that involved Jones Chemical using the ditch.

I asked John about the ph in the Montrose recycle pond. He said that Montrose maintained the ph in the neutral range, greater than 5 to around 8. He said that the ph couldn't be too high or too low, because it would dissolve the concrete. Also the water was reused throughout the plant, and [if it were not kept neutral] would eat away at process equipment.

John gave me a tour of the ~~mostly~~ paved former Montrose facility. John stated that the only unpaved portion was the approximate ~~60~~ 50 foot by ~~300-370~~ 212 foot area between Jones Chemical

and Normandy Avenue, south of the railroad tracks. This area had been graded and treated with lime about 4 years ago. ~~I took~~ took several photos of the paved and unpaved areas, and thanked John for meeting with me that day.

KALLOK ENTERPRISES
INCORPORATED
16614 KRISTIN AVE. TORRANCE, CA. 90504



#7-4

Mr. Steven H. Simanonok
U.S.E.P.A.
Region IX
75 Hawthorne St.
San Francisco, CA 94105

RE : Constituent elements of Toxisol-B, Toxisol-PX, and Agrisolv 75

---

1). Agrisolv 75 : Agrisolv 75 is an aromatic naphtha manufactured by AMSCO (American Mineral Spirits Company) in the early 60's. AMSCO was a subsidiary of The Pure Oil Company, based in Chicago. The Pure Oil merged with Union Oil in the late 60's and AMSCO also became a part of Union Oil.

Chemical information : Agrisolv 75 belongs to a category of compounds known as heavy aromatics. Its distillation range is between 350 and 550 Fahrenheit. As the data indicates, benzene, ethyl-benzene, toluene, and zylene probably make up less than 1% of this compound. They are light aromatics and present in minute quantities. Within the industry, the product is also known as Solvent H-SB, Heavy Still Bottoms. This information was further corroborated by Professor Scott Lynn of the University of California, Berkeley.

For further information contact : Mr. Robert L. Hinrichs
UNOCAL
(708) 330-5219

2). Toxisol :

a). This is an update on Toxisol-B and Toxisol-PX. Toxisol-PX is residue material (bottoms) left over from manufacture of Toxisol-B. Richfield marketed both products as solvents to be used in the manufacture of pesticides. Mr. John Noreyko who was associated with Richfield mentioned that it was essentially a "one-man" operation to sell "Zylene cuts" left over from refining operations.

	B	PX
Initial distillation range :	270 - 285	320
Upper range :	300	365

As both products were composed of heavy molecular compounds, they contained miniscule amounts of toluene, benzene, and ethyl-benzene. This information seems to be more reliable than the information that was gathered earlier.

For further information contact : Mr. John Noreyko
Lyondell Lubricants
(Subsidiary of ARCO)
(713) 475 - 4519

Lyondell LUBRICANTS

The CUSTOMER CONNECTION

1-800-447-4572

LUBRICANTS PRODUCT TECHNOLOGY
FACSIMILE TRANSMISSION

1-800-447-4572 + 13
FAX NUMBER (713) 475-4125

Date: 7/19/93 Total Pages _____ Including Cover Sheet

FROM:

✓ John M. Noreyko (713) 475-4519	_____ Pam D. Oliver (713) 475-4251
_____ Rodney D. Dougan (713) 475-4310	_____ Cline A. Tincher (713) 475-4655
_____ Carle Go (713) 475-4947	_____ C. Monroe Copeland (713) 475-4798

TO: DAVE KIM

COMPANY EPA

FAX NO. (415) 744-1041 PHONE NO. _____

COMMENTS:

I have attached Richfield's manufacturing spec together with some old data on composition. As I mentioned, these are xylene cuts & should be low or light aromatics such as benzene or toluene

John

wpltfaxcover.pdo

Specs.

PRODUCT MASTER CODE	124	908	171	172	178
Gravity, °API	31-33	44.0-46.5	19-21	32.5-34.5	28.5-30.
Color, Max.	Water White	1	-	-	2
Flash Point, PM, °F, Min.	-	-	130	-	-
Flash Point, TCC, °F, Min.	80	100	-	-	-
Aromatics (Kattwinkel) Vol %, Min.	-	-	50	-	-
Distillation, °F:					
IBP	279 Min.	300 Min.	-	270-285	300 Min.
90%, Max.	-	-	-	-	365
Dry Point, Max.	289	-	-	-	-
End Point, Max.	-	410	-	320	-
COMPOSITION (volume %)					
FLCO	-	-	100	-	-
Untreated Mineral Spirits	-	100	-	-	-
Solvent B	-	-	-	100	-
Btms. from Solvent B Operations	-	-	-	-	100
5° Xylene	100	-	-	-	-

	TOXISOL Z	TOXISOL MSWR	TOXISOL FLC	TOXISOL B	TOXISOL PX

SPECIALTY PRODUCTS - TYPICAL TESTS

	WK-A	Larvacide Toxisol FCL WK-A Lite	Toxisol PX Aquatic WK	Selective WK #1	Toxisol B	Toxisol MSWR	Toxisol Z
Gravity, °API	18.5	19.5	30	46.5	33.5	45.0	31.4
Aromatics, Katt., %	70	68	-	-	-	-	90+
Aromatics, FIA, %	-	-	95	5.5	-	-	-
Distillation, °F							
10%	455	450	315	310	275	310	281
50%	491	492	325				
50%	558	552	335	342			
90%	650	625	370				
End Point	720	660	460	392	300	395	285
Color, ASTM	8+	L 3.5	L 0.5	-	L 0.5	L 1.0	L 0.5
Color, Saybolt	-	-	-	+30	-	-	-
Flash Point, PM, °F	225	225	-	-	-	116	-
Flash Point, TCC, °F	-	-	105	103	84	104	83
Viscosity @ 100°F, SUS	40	38	-	-	-	-	-
IFT, d/cm	5*	5*	5*	-	-	-	-
KB Value	-	-	-	38	85		
Aniline Point, °F	-	-	-	138	-	-	-

*Less than (with emulsifier).

9/26/69

GRM:ks

RICHFIELD OIL CORPORATION

TYPICAL TOXISOL B SOLVENT ANALYSIS
(This stock is essentially an isomeric mixture of aromatic hydrocarbons containing 8 carbon atoms)

		Wt. %
p-Xylene		15.4
m-Xylene		41.6
o-Xylene		26.5
C_9 Aromatics		0.7
Nonaromatics		7.4
Ethylbenzene		8.4
	TOTAL	100.0

Gravity, °API	32.8
Color, Saybolt	30
Flash Point, TCC, °F.	83
Distillation, °F:	
IBP	275
5%	277
10%	278
50%	279
90%	281
95%	282
End Point	291
% Recovery	98
Aromatics, ASTM D1319	91.5

11-7-63 gto

RICHFIELD OIL CORPORATION

TYPICAL TOXISOL PX SOLVENT ANALYSIS

(This stock is essentially an isomeric mixture of aromatic hydrocarbons containing 8, 9 and 10 carbon atoms)

	Wt. %
p-Xylene) m-Xylene)	1.1
o-Xylene	2.1
Isopropylbenzene	0.7
Normal Propylbenzene	4.1
1-Methyl-3-Ethylbenzene	18.3
1-Methyl-4-Ethylbenzene	6.8
1,3,5-Trimethylbenzene	5.8
1-Methyl-2-Ethylbenzene	20.5
1,2,4-Trimethylbenzene	2.7
1-Methyl-3-Isopropylbenzene	1.1
1,2,3-Trimethylbenzene	4.3
1-Methyl-4-Isopropylbenzene	0.9
Higher Boiling Aromatics	28.9
Nonaromatics	2.7
TOTAL	100.0

Gravity, °API	29.0
Color, ASTM	1
Flash Point, TCC, °F.	112
Distillation, °F:	
IBP	322
10%	326
50%	338
90%	376
End Point	483
% Recovery	98
Aromatics, ASTM D1319	98

11-7-63 gto

RE : Constituent elements of Toxisol-B, Toxisol-PX, and Agrisolv 75

---

1). Agrisolv 75 : Agrisolv 75 is an aromatic naphtha manufactured by AMSCO (American Mineral Spirits Company) in the early 60's. AMSCO was a subsidiary of The Pure Oil Company, based in Chicago. The Pure Oil merged with Union Oil in the late 60's and AMSCO also became a part of Union Oil.

Chemical information : Agrisolv 75 belongs to a category of compounds known as heavy aromatics. Its distillation range is between 350 and 550 Fahrenheit. As the data indicates, benzene, ethyl-benzene, toluene, and zylene probably make up less than 1% of this compound. They are light aromatics and present in minute quantities. Within the industry, the product is also known as Solvent H-SB, Heavy Still Bottoms. This information was further corroborated by Professor Scott Lynn of the University of California, Berkeley.

For further information contact : Mr. Robert L. Hinrichs
UNOCAL
(708) 330-5219

2). Toxisol : This information pertains to Toxisol-PX only. It is currently used by ARCO as a blending component in production of gasoline. It is known in the industry as a heavy reformate. Oxtane, benzene, toluene, zylene, trimethylbenzene, and hexane make up about 50 % of this compound as it is manufactured today. ARCO states that there is no incompatibility in the use of toxisol as an insecticide solvent and a gasoline component. But I should caution that all this information relates to the use of Toxisol at present time. This information is relevant, but may not be 100% accurate.

For further information contact : Ms. Sheryl Wood
ARCO
Anaheim Technical Support Center
(714) 491-4440

(I will try to contact Mr. Tom Harter of Lawndale Petroleum, an ARCO subsidiary, who is another promising contact. His number is (713) 475-4269).

RECEIVED NOV 20 Geraldine F. Manhion

MATERIAL SAFETY DATA SHEET

MSDS No. APPC 662

ARCO™ PX-2 INDUSTRIAL OIL

Rev. Date 10/11/85

ARCO PETROLEUM PRODUCTS COMPANY
DIVISION OF ATLANTIC RICHFIELD COMPANY
515 SOUTH FLOWER STREET
LOS ANGELES, CALIFORNIA 90071

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.
This product is considered a hazardous substance under the OSHA Hazard Communication Rule.

I. General

Trade Name	ARCO PX-2 INDUSTRIAL OIL
Other Names	HEAVY REFORMATE; TOPPING REFORMATE; AROMATIC NAPHTHA; R-478; HEART-CUT FRACTIONATOR BOTTOMS; AROMATIC HYDROCARBON SOLVENT; FULL-RANGE AROMATIC SOLVENT NAPHTHA; TOXISOL (FORMER NAME).
Chemical Family	PETROLEUM HYDROCARBONS
Generic Name	HEAVY CATALYTIC REFORMED NAPHTHA
CAS No.	64741-68-0*
Company ID No.	2071920719

Telephone Numbers
EMERGENCY
800/424-9300 CHEMTREC
312/210-3000 COMPANY
CUSTOMER SERVICE
213/486-8258 INFO ONLY

DOT Hazardous Materials Proper Shipping Name: NAPHTHA, SOLVENT

DOT Hazard Class: COMBUSTIBLE LIQUID

UN/NA ID No. UN 1256

II. WARNING — Summary of Hazards

HIGHLY COMBUSTIBLE! OSHA/NFPA CLASS-II COMBUSTIBLE LIQUID.
AVOID ALL IGNITION SOURCES. AVOID THE "SWITCH LOAD" HAZARD (SECTION XI).
MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN!
AVOID BREATHING VAPORS OR MIST. USE ONLY WITH ADEQUATE VENTILATION. VAPOR OR LIQUID PENETRATION OF SKIN CAN CAUSE DEPRESSION OF THE CENTRAL NERVOUS SYSTEM (CNS) OR OTHER BODY SYSTEMS. AVOID PROLONGED/REPEATED CONTACT.
MAY CAUSE IRRITATION, SENSITIZATION OR MORE SERIOUS SKIN DISORDERS!
AVOID LIQUID, MIST, AND VAPOR CONTACT WITH EYES AND RESPIRATORY SYSTEM.
LONG-TERM STUDIES HAVE SHOWN THAT PETROLEUM DISTILLATES SIMILAR TO THOSE USED IN THIS PRODUCT HAVE PRODUCED SKIN TUMORS IN LABORATORY ANIMALS.
WASH AFTER HANDLING (SEE SECTIONS IV & XI).
HARMFUL OR FATAL IF SWALLOWED! CONTAINS PETROLEUM DISTILLATES.
IF SWALLOWED DO NOT INDUCE VOMITING SINCE ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA. OBTAIN PROMPT MEDICAL ATTENTION.

III. Fire and Explosion

Flash Point (Method)
AP 105°F (D-86)
SEE "FIRE & EXPLOSION HAZARDS"

Autoignition Temperature (Method)
AP 810°F (EST.)
BASED ON NFPA "ETHYLBENZENE"

Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure
Lower AP 1.1 Upper AP 7.0
BASED ON NFPA "P- & M-XYLENE"

Fire and Explosion Hazards: HIGHLY COMBUSTIBLE! WHEN HEATED ABOVE THE FLASH POINT, THIS MATERIAL WILL RELEASE FLAMMABLE VAPORS WHICH IF EXPOSED TO AN IGNITION SOURCE CAN BURN IN THE OPEN OR BE EXPLOSIVE IN CONFINED SPACES. MISTS OR SPRAYS MAY BE FLAMMABLE AT TEMPERATURES BELOW THE NORMAL FLASH POINT. FOR "SWITCH LOADING" PROCEDURES, SEE SECTION XI.

Extinguishing Media: FOAM, DRY CHEMICAL, HALON, CARBON DIOXIDE AND WATER FOG.

Special Firefighting Procedures: FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCES. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

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IV. Health Hazards

Summary of Acute Hazards	LIQUID, MIST OR VAPORS CAN CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION AND CNS DEPRESSION. ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA	
ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Primary Route(s)
Inhalation	VAPORS OR MISTS OF THE NAPHTHA COMPONENTS OF THIS MATERIAL CAN IRRITATE THE NOSE, THROAT, & LUNGS, AND CAN CAUSE SIGNS AND SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION, DEPENDING ON THE CONCENTRATION AND DURATION OF EXPOSURE.	[x]
Eye Contact	MILD EYE IRRITATION MAY RESULT FROM CONTACT WITH LIQUID, MIST, AND/OR VAPORS.	[x]
Skin Absorption	THE NAPHTHA COMPONENTS OF THIS MATERIAL ARE CAPABLE OF PENETRATING THE SKIN.	[x]
Skin Irritation	CONTACT WITH LIQUID AND/OR MISTS MAY RESULT IN MODERATE SKIN IRRITATION. PROLONGED AND/OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION OR MORE SERIOUS SKIN DISORDERS. (SEE "SUMMARY OF CHRONIC HAZARDS" BOX BELOW.)	[x]
Ingestion	THE NAPHTHA COMPONENTS OF THE MATERIAL MAY IRRITATE THE MOUTH, THROAT, AND STOMACH, AND CAN CAUSE NAUSEA, VOMITING, DIARRHEA, AND RESTLESSNESS. ASPIRATION INTO LUNGS WILL CAUSE CHEMICAL PNEUMONIA.	[ ]
Summary of Chronic Hazards and Special Health Effects	PROLONGED/REPEATED SKIN CONTACT MAY RESULT IN IRRITATION OR MORE SERIOUS SKIN DISORDERS. MATERIALS WITH SIMILAR BOILING POINT RANGES AND IDENTIFIED AS PETROLEUM NAPHTHAS HAVE BEEN REPORTED TO INDUCE SKIN TUMORS ON MICE. PERSONNEL WITH PRE-EXISTING SKIN DISORDERS OR CHRONIC RESPIRATORY DISEASES SHOULD AVOID EXPOSURE TO THIS PRODUCT.	

V. Protective Equipment and Other Control Measures

Respiratory	WHERE EXCESSIVE VAPORS OR MIST RESULT FROM CONDITIONS OF USAGE, PROPER NIOSH/MSHA APPROVED RESPIRATORY EQUIPMENT MUST BE WORN. RESPIRATOR SHOULD COMPLY WITH OSHA 29 CFR 1910.134 OR EQUIVALENT.
Eye	EYE PROTECTION SHOULD BE WORN WHENEVER THERE IS A LIKELIHOOD OF SPLASHING OR SPRAYING LIQUID. CONTACT LENSES SHOULD NOT BE WORN. SUITABLE EYE WASH WATER SHOULD BE AVAILABLE.
Skin	AVOID PROLONGED AND/OR REPEATED SKIN CONTACT. IF CONDITIONS OR FREQUENCY OF USE MAKE CONTACT SIGNIFICANT, CLEAN AND IMPERVIOUS PROTECTIVE CLOTHING SUCH AS GLOVES, APRON, BOOTS, AND FACIAL PROTECTION SHOULD BE WORN.
Engineering Controls	USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF THIS MATERIAL BELOW APPLICABLE EXPOSURE LIMITS. (SEE SECTIONS VI. AND XI.)
Other Hygienic and Work Practices	WASH HANDS WITH PLENTY OF SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USE OF TOILET FACILITIES. DO NOT USE GASOLINE, SOLVENTS, KEROSENE, OR HARSH ABRASIVE SKIN CLEANERS FOR WASHING EXPOSED SKIN AREAS. TAKE A SHOWER AFTER WORK IF GENERAL CONTACT OCCURS. REMOVE OIL-SOAKED CLOTHING AND LAUNDER BEFORE REUSE. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

VI. Occupational Exposure Limits

Substance	Source	Date	Type	Value/Units	Time
REFINED PETROLEUM SOLVENT	NIOSH	1985	TWA	350 MG/M3	10 HRS
			STEL	1800 MG/M3	15 MIN

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VII. Emergency and First Aid

Inhalation	IMMEDIATELY MOVE PERSONNEL TO AREA OF FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR ADMINISTER CPR (CARDIOPULMONARY RESUSCITATION), IF NECESSARY. OBTAIN MEDICAL ATTENTION IF BREATHING DIFFICULTIES CONTINUE.
Eye Contact	FLUSH WITH CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.
Skin Contact	PROMPTLY REMOVE CONTAMINATED CLOTHING AND THOROUGHLY CLEAN BEFORE REUSE, BUT DISCARD CONTAMINATED LEATHER GOODS. THOROUGHLY WASH AFFECTED AREA WITH SOAP AND WATER.
Ingestion	DO NOT INDUCE VOMITING. SINCE ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA: IF ASPIRATION OCCURS, PROMPTLY OBTAIN MEDICAL ATTENTION.
Emergency Medical Treatment Procedures	SEE ABOVE PROCEDURES.

VIII. Spill and Disposal

Precautions if Material is Spilled or Released	CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. SPILL MAY CREATE SLIPPING HAZARDS. PREVENT FROM ENTERING ALL WATER BODIES. IF POSSIBLE. EVACUATE ALL NON-ESSENTIAL PERSONNEL. IN URBAN AREAS, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, CLEANUP ON ADVICE FROM ECOLOGISTS. THIS MATERIAL WILL FLOAT ON WATER. ABSORBANT MATERIAL AND PADS CAN BE USED. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). THE SPILLED MATERIAL AND ANY WATER OR SOIL WHICH IT HAS CONTACTED MAY BE HAZARDOUS TO ANIMAL/AQUATIC LIFE.
Waste Disposal Methods	MAXIMIZE PRODUCT RECOVERY FOR REUSE OR RECYCLING. USED, CONTAMINATED AND UNUSED PRODUCT IS LIKELY AN EPA "IGNITABLE HAZARDOUS WASTE" (D001). USE APPROVED TREATMENT, TRANSPORTERS, AND DISPOSAL SITES IN COMPLIANCE WITH ALL APPLICABLE LAWS. IF SPILL IS INTRODUCED INTO A WASTEWATER SYSTEM, THE CHEMICAL AND BIOLOGICAL OXYGEN DEMAND WILL LIKELY INCREASE. SPILL MATERIAL IS BIODEGRADABLE IF GRADUALLY EXPOSED TO MICRO-ORGANISMS. POTENTIAL DISPOSAL METHODS INCLUDE INCINERATION AND LAND DISPOSAL, IF PERMITTED.

IX. Components (This may not be a complete list of components)

Component Name	CAS No.	Carcinogen##		Composition amount (Vol.) (See Qualification on Page 4)	
HEAVY CATALYTIC REFORMED NAPHTHA (PETROLEUM)	64741-68-0*	N/AP	AP	0 TO	100 PERCENT
LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)	64742-95-6*	N/AP	AP	0 TO	50 PERCENT
HEAVY AROMATIC SOLVENT NAPHTHA (PETROLEUM)	64742-94-5*	N/AP	AP	0 TO	50 PERCENT

Compositions given are typical values, not specifications.

##Listed By: 1 = NTP, 2 = IARC, 3 = OSHA, 4 = Other

SEQ: 7.264

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X. Physical and Chemical Data

Boiling Point AP 300° TO 480° F	Viscosity Units, Temp. (Method) LT 1 CST AT 100° F (D-445)	Dry Point AP 475° F
Freezing Point N/DA	Vapor Pressure (MM HG AT 70° F) AP 4	Volatile Characteristics MODERATE
Specific Gravity (H,O = 1 at 39.2° F) AP 0.86	Vapor Sp. Gr. (Air = 1.0 at 60° – 80° F) AP 5 / Solubility in Water NEGLIGIBLE	pH N/AP
Hazardous Polymerization NOT EXPECTED TO OCCUR	Other Chemical Reactivity N/P	Stability STABLE

Other Physical and Chemical Properties	AROMATICS CONTENT = GT 78 V%; OLEFINS CONTENT = LT 1 V%; AND PARAFFINS CONTENT = AP 20 TO 22 V%
Appearance and Odor	COLORLESS TO LIGHT YELLOW-COLORED LIQUID. AROMATIC HYDROCARBON ODOR.
Conditions to Avoid	HEAT AND IGNITION SOURCES.
Materials to Avoid	STRONG ACIDS, ALKALIES, AND OXIDIZERS SUCH AS LIQUID CHLORINE AND OXYGEN.
Hazardous Decomposition Products	BURNING OR EXCESSIVE HEATING MAY PRODUCE CARBON MONOXIDE AND OTHER HARMFUL SUBSTANCES.

XI. Additional Precautions

Handling, Storage and Decontamination Procedures	SPECIAL SLOW LOAD PROCEDURES FOR "SWITCH LOADING" MUST BE FOLLOWED TO AVOID THE STATIC IGNITION HAZARD THAT CAN EXIST WHEN THIS MATERIAL IS LOADED INTO TANKS PREVIOUSLY CONTAINING GASOLINE OR OTHER LOW FLASH POINT PRODUCTS. (SEE A.P.I. PUBLICATION 2003.) KEEP CONTAINERS CLOSED AND AWAY FROM HEAT AND IGNITION SOURCES. ALL ELECTRICAL EQUIPMENT IN AREAS WHERE PRODUCT IS STORED/HANDLED SHOULD BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, N.F.P.A. DO NOT USE THIS PRODUCT AS A CLEANING AGENT. EMPTY CONTAINERS RETAIN SOME LIQUID AND VAPOR RESIDUES AND HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTY CONTAINERS. SINCE SPECIFIC EXPOSURE STANDARDS/CONTROL LIMITS HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL, THE EXPOSURE LIMITS SHOWN IN SECTION VI ARE SUGGESTED AS MINIMUM CONTROL GUIDELINES.
General Comments	MATERIALS SIMILAR TO SOME COMPONENTS IN THIS PRODUCT WERE FOUND TO BE MUTAGENIC IN "IN VITRO" AND "IN VIVO" TESTS. THE EXACT RELATIONSHIP BETWEEN THESE RESULTS AND POSSIBLE HUMAN EFFECTS IS NOT KNOWN. "PETROLEUM DISTILLATE"--16 CFR 1500.14(B)(3). USE SPECIAL FEDERAL LABELING IF INTENDED, OR PACKAGED, FOR USE IN THE HOUSEHOLD OR BY CHILDREN. SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MIXTURE ITSELF.

– – – Note – – – Qualifications: EQ = Equal; LT = Less Than; GT = Greater Than; AP = Approximately; UK = Unkown; TR = Trace; N/P = No Applicable Information Found; N/AP = Not Applicable; N/DA = No Data Available

Disclaimer of Liability

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The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

8678.64 TOBACCO FORMULA 1% PARATHION-10% DDT DUST (Tobacco Stem Base)-I-Taylor
8678.66 TOBACCO FORMULA 1% PARATHION-5% DDT-20% DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.68 TOBACCO FORMULA 1% PARATHION-5% DDT-25% DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.70 TOBACCO FORMULA 1% PARATHION-5% DDT-30% DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.72 TOBACCO FORMULA 1%-PARATHION-10% DDT-10% DITHANE (Zineb) (Tobacco Stem Base)-I-Taylor
8678.74 TOBACCO FORMULA 1% PARATHION-10% DDT-20% DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.76 TOBACCO FORMULA 1% PARATHION-5 DDT-10% TOXAPHENE (Tobacco Stem Base)-I-Taylor
8678.78 TOBACCO FORMULA 1% PARATHION-10% DITHANE (Parathion-zineb) (Tobacco Stem Base)-FI-Taylor
8678.80 TOBACCO FORMULA 1% PARATHION-20 DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.82 TOBACCO FORMULA 1% PARATHION-10% TDE (Tobacco Stem Base)-I-Taylor
8678.84 TOBACCO FORMULA 1% PARATHION-10% TDE-10% DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8678.86 TOBACCO FORMULA 2% ROTENONE-30% SULPHUR DUST (Tobacco Stem Base)-FI-Taylor
8678.88 TOBACCO FORMULA 10% TDE DUST (Tobacco Stem Base)-I-Taylor
8678.90 TOBACCO FORMULA 10% TDE-10 DITHANE (Zineb) (Tobacco Stem Base)-FI-Taylor
8679.75 TOK® E-25, 2,4-Dichlorophenyl 4-nitrophenyl ether 25%-H-Rohm & Haas
8680 TOLUENE, Aromatic hydrocarbon-D-Atlantic Ref.
8680.25 TORDON® 22K, Pichloram (potassium salt of 4-amino-3,5,6-trichloropicolinic acid) 24.9%-H-Dow
8680.50 TORDON® 10 K PELLETS, Picloram (potassium salt of 4-amino-3,5,6-trichloropicolinic acid) 11.6%-H-Dow
8680.75 TORDON® 101 MIXTURE, Triisopropanol-amine salt of 2,4-D 39.6%, picloram triisopropylamine salt 10.2%-H-Dow
8681 TOUGH & READY RAT BAIT, Fortified red squill 10%-R-Eaton
8681.25 TOUGH & READY CONC. WARFARIN, Warfarin 0.5%-R-Eaton
8681.50 TOUGH & READY RAT & MOUSE BAIT WITH WARFARIN, Warfarin 0.025%-R-Eaton
8681.75 TOUGH & READY RAT PASTE, Fortified red squill 41%-R-Eaton
8782 TOXAPHENE, Chlorinated camphene with chlorine content of 67 to 69%-IC-Hercules
8783 TOX-EOL HEPTACHLOR, (Various concentrations)-I-Cre-O-Tox
8784 TOX-EOL WA-I, Benzene hexachloride-I-Cre-O-Tox
8785 TOX-EOL WH5, Various formulations of concentrated chlordane and heptachlor-I-Cre-O-Tox
8786 TOX-EOL WO-AL, Chlordane and benzene hexachloride-I-Cre-O-Tox
8787 TOXI-DIEL, DIELDRIN-I-Cre-O-Tox
8789 TOXIMUL 500 EMULSIFIER-A-Stepan
8790 TOXIMUL 600 EMULSIFIER-A-Stepan
8791 TOXIMUL LF EMULSIFIER-A-Stepan
8792 TOXIMUL MP EMULSIFIER-A-Stepan
8793 TOXIMUL P EMULSIFIER-A-Stepan
8794 TOXIMUL R EMULSIFIER-A-Stepan
8795 TOXIMUL S EMULSIFIER-A-Stepan
8796 ~~TOXISOL B,~~ Aromatic petroleum insecticide solvent-D-Richfield
8797 TOXISOL PX, Aromatic petroleum insecticide solvent-D-Richfield
8798 TREE TANGLEFOOT (BULK), Castor oil, natural gum resins, vegetable wax-ANR-Tanglefoot
8799 TREE TANGLEFOOT PRESSURIZED (AEROSOL), Hydrogenated castor oil, polybutenes-ANR-Tanglefoot
8799 TRI-COP, Copper 53%-F-Chipman (Can.)
8800 TRI EXCEL DUST CONC., N-Propyl isome 2.5%, pyrethrins 0.25%, rotenoids 2.5%, rotenone 1.25%-IC-Penick
8870 TRIGGER TEE JET, Pesticide application-E-Spraying Systems
8871 TRIKAL DUST, Calcium arsenate 20%, tribasic copper sulfate 14%-FI-Woolfolk
8872 TRIKOP, Copper 25%-F-Woolfolk
8872.50 TRINOXOL, Non-emulsifiable low volatile ester of 2,4,5-T; 4 lb. acid equiv./gal.-H-Amchem. Prods.