FINAL

2005 4th QUARTER GROUNDWATER MONITORING REPORT

FORMER ANGELES CHEMICAL COMPANY FACILITY
8915 SORENSEN AVENUE SANTA FE SPRINGS, CALIFORNIA

Prepared and Submitted To:

Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, CA 91201

On Behalf Of:

Greve Financial Services
7101 Western Avenue
Buena Park, CA 90670

Prepared By:

The Leu Group
33725 Magellan Isle
Suite 100
Monarch Beach, CA 92629
(949) 248-5873

MARCH 2006

THE LEU GROUP
Protecting Your Quality of Life

2005 4TH QUARTER GROUNDWATER MONITORING REPORT

Former Angeles Chemical Company Facility
8915 Sorensen Avenue, Santa Fe Springs, CA

Prepared and Submitted to:
Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, CA 91201

Prepared by:

David J. Leu, Ph.D.
Principal
The Leu Group

Mark Slatten, RG, CEG
Director of Field Operations
The Leu Group

The Leu Group
33725 Magellan Isle, Suite 100
Monarch Beach, CA 92629)

TABLE OF CONTENTS

1.0 INTRODUCTION ____ *1*

2.0 SITE DESCRIPTION ____ *1*

3.0 PREVIOUS SITE ASSESSMENT WORK ____ *1*

4.0 REGIONAL GEOLOGY/HYDROGEOLOGY ____ *3*

5.0 SITE GEOLOGY/HYDROGEOLOGY ____ *4*

6.0 GROUNDWATER MONITORING PROTOCOL ____ *5*

6.1 Well Purging and Measurement of Field Parameters ____ **6**

6.2 Well Sampling ____ **7**

6.3 Sample Handling ____ **8**

6.4 Waste Management ____ **9**

7.0 FREE PRODUCT ____ *9*

8.0 GROUNDWATER SAMPLE RESULTS ____ *9*

9.0 VOCS CAPTURED AND TREATED BY THE SVE SYSTEM ____ *13*

10.0 CONCLUSIONS ____ *13*

11.0 RECOMMENDATIONS ____ *14*

FIGURES

Figure 1 Site Location Map
Figure 2 Well Location Map
Figure 3 First Water Potentiometric Gradient Map
Figure 4 A1 Zone Potentiometric Gradient Map
Figure 5 First Water Groundwater Elevations (Central & Northern Wells)
Figure 6 First Water Groundwater Elevations (Southern Wells)
Figure 7 Upper A1 Groundwater Elevations
Figure 8 Lower A1 Groundwater Elevations
Figure 9 TPH-g and BTEX Concentrations in First Water
Figure 10 TPH-g and BTEX Concentrations in upper and Lower A1 Zones
Figure 11 Chlorinated VOC's & 1,4 Dioxane Concentrations in First Water
Figure 12 Chlorinated VOC's & 1,4 Dioxane Concentrations in a1 Zones
Figure 13 Acetone, MEK and MIBK in First Water
Figure 14 Acetone, MEK and MIBK in Upper and Lower A1 Zones

TABLE OF CONTENTS (cont.)

TABLES

Table 1	Well & Screen Elevations and Groundwater Depths and Elevations
Table 2	TPH-gas and VOC's from Free Product
Table 3	Conductivity, pH and TPH-gas Groundwater Results
Table 4	Detected VOC's from Groundwater Results
Table 5	Detected VOC's from Diffusion Bag Groundwater Samples
Table 6	Biodegradation Indicator Results
Table 7	Dissolved Metals
Table 8	Free Product Removal Detail
Table 9	Amount of VOCs Extracted by SVE System
Table 10	VOCs Detected in Vapors Extracted by SVE System
Table 11	SVE Operational Data

1.0 INTRODUCTION

The Leu Group was contracted by Greve Financial Services ((310) 753-5770) to perform quarterly groundwater monitoring at the former Angeles Chemical Company (ACC), Inc. facility located at 8915 Sorensen Avenue, Santa Fe Springs, California (See Figure 1, Site Location Map). The quarterly groundwater monitoring was requested by the Department of Toxics Substance Control (DTSC) correspondence dated September 18, 2001. This report presents the results of the 2005 4th quarter monitoring event performed on December 16, 2005.

Recently, Clean Soils, Inc., under contract to Greve Financial Services has started operating a 500 scfm soil vapor extraction (SVE) system at the ACC site. This report presents the amount of volatile organic compounds (VOCs) that have been extracted and treated by the SVE system during the 4th quarter, 2005.

2.0 SITE DESCRIPTION

The site is approximately 1.8 acres in size and completely fenced. The site is bound by Sorensen Avenue on the east, Air Liquide Corporation to the north and northwest, Plastall Metals Corporation to the north, and a Southern Pacific Railroad easement and McKesson Chemical Company to the south.

The ACC operated as a chemical repackaging facility from 1976 to 2000. A total of thirty-four (34) underground storage tanks (USTs) existed beneath the site. Two (2) USTs, one gasoline and one diesel, and sixteen (16) chemical USTs were excavated and removed under the oversight of the Santa Fe Springs Fire Department. All 16 remaining chemical USTs were decommissioned in place and slurry-filled.

3.0 PREVIOUS SITE ASSESSMENT WORK

In January 1990, SCS Engineers, Inc. (SCS) conducted a site investigation and drilled eight borings from 5 feet below grade surface (bgs) to 50 feet bgs. Soil samples collected and analyzed contained benzene, 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), MEK, methyl isobutyl ketone (MIBK), toluene, 1,1,1-Trichloroethane (1,1,1-TCA), Tetrachloroethylene (PCE), and xylenes at detectable concentrations.

In June 1990, SCS conducted an additional site investigation at the site by advancing six additional borings drilled from 20.5 feet bgs to 60 feet bgs. A monitoring well (MW-1) was also installed. Soil sample analysis revealed detectable concentrations of the above mentioned VOCs in addition to acetone and methylene chloride. Dissolved

benzene, 1,1-DCA, 1,1-DCE, PCE, Trichloroethylene (TCE), and trans-1,2-dichloroethene were detected in MW-1 above maximum contaminant levels.

Between 1993 and 1994, SCS conducted further testing at the site. Soil samples were collected from nine borings. Five borings were converted to groundwater monitoring wells MW-2, MW-3, MW-4, MW-6, and MW-7. The predominant compounds detected in soil and groundwater were acetone, MEK, MIBK, chlorinated VOCs, and BTEX.

In 1996 and 1999, SCS conducted separate soil vapor extraction (SVE) pilot tests using several treatment technologies on extraction well E-1 screened from 7 feet bgs and 22 feet bgs. Laboratory analysis identified maximum soil vapor gas concentrations as 1,1,1-TCA (30,300 ppmV) with detectable concentrations of 1,1-DCE, TCE, methylene chloride, toluene, PCE and xylenes. The radius of influence was measured between 35 and 80 feet.

In November 1997, SCS conducted a soil vapor survey (SVS) at the site. Soil vapor samples were collected at twenty-three locations at 5 feet bgs. In addition, soil vapor samples were collected at 15 feet bgs in five of the twelve sampling points. The SVS identified maximum VOC concentrations near the railroad tracks located on the northern portion of the site.

Blakely Environmental Investigations, Inc. (BEII) conducted an SVS at the site from November 27 to December 1, 2000. A total of 36 soil vapor sample points, labeled SV1 through SV36, were selected by BEII and approved by the DTSC for analysis. Two discrete soil vapor samples were collected from each soil vapor sample point, one at 8 feet bgs and one at 20 feet bgs. SV1 was an exception since the first soil vapor sample was collected at 10 feet bgs instead of 8 feet bgs. Based on the soil vapor sample results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 8 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs. Results were submitted to the DTSC by BEII in *Report of Findings*, dated January 10, 2001 with laboratory reports (BEII's *Report of Findings* dated January 10, 2001).

BEII conducted an additional SVS on the ACC site from January 14 to January 17, 2002. The purpose of the SVS was to determine the lateral extent of VOC soil vapors in the vadose zone along the eastern, northern, and southern property line of the site. In addition, BEII performed an SVS on June 13, 2002 on the Air Liquide property to determine the lateral extent of VOC soil vapors in the vadose zone north of the ACC facility. Based on the soil vapor survey results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 5-, 7-, 8-, 10-, and 12 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs, which are more permeable and conducive to soil vapor migration. Furthermore, VOC soil vapor concentrations were higher along the southern property line than along the east

and north property line. Results were submitted by BEII to the DTSC in *Report of Findings*, dated October 15, 2002 with laboratory reports.

BEII drilled two soil borings (BSB-1 and BSB-2) and installed two groundwater monitoring wells (MW-8 and MW-9) on the ACC site from June 5 to June 7, 2002. The purpose of the drilling was to help define the lateral and vertical extent of impacted soil along the eastern ACC property line and to help determine the extent of impacted groundwater. Soil borings BSB-1 and BSB-2 were drilled to 50- and 30 feet bgs, respectively. Monitoring wells MW-8 and MW-9 were installed to 40.5- and 45.5 feet bgs, respectively. Soil sample results identified elevated VOC concentrations from monitoring well MW-8 at depth between 29- and 40 feet bgs. Results were submitted by BEII to the DTSC in a *Report of Findings* dated October 15, 2002 with laboratory reports.

BEII drilled eight soil borings (BSB-3 through BSB-10) and pushed eleven cone penetrometer test (CPT) locations (CPT-1 though CPT-11) in August 2002 to help determine the subsurface geology and extent of impacted soil. In November and December of 2002, BEII drilled seven additional borings (BSB-11 through BSB-17), pushed fifteen additional CPT locations (CPT-12 through CPT-26), and installed twelve additional monitoring wells (MW-10 through MW-21) to help further define the subsurface geology and the extent of VOC-impacted soil/groundwater. Monitoring well MW-1 was also abandoned. In late June of 2003, BEII installed five additional monitoring wells (MW-22 through MW-26) to help define the extent of VOC-impacted soil and groundwater. Monitoring wells MW-2, MW-3, and MW-7 were abandoned. Laboratory results were submitted by BEII to the DTSC. A *Summary Site Characterization Report*, dated February 2004, was submitted by Shaw Environmental & Infrastructure, Inc. (Shaw) to the DTSC and included interpretations based on the above-mentioned borings, CPT locations, and monitoring wells. See Figure 2 for Site Layout Map.

4.0 REGIONAL GEOLOGY/HYDROGEOLOGY

The site is located near the northern boundary of the Santa Fe Springs Plain within the Los Angeles Coastal Plain at an elevation of approximately 150 feet above mean sea level (msl). Surface sediments consist of fluvial deposits composed of inter-bedded gravel, sand, silt, and clay. Available data from California Water Resources Bulletin No. 104 (June 1961) indicate that the surface sediments may be Holocene and/or part of the upper Pleistocene Lakewood Formation, which ranges from 40- to 50 feet thick beneath the site. The Lakewood Formation has lateral lithologic changes with discontinuous permeable zones that vary in particle size. Stratified deposits of sand, silty sand, silt, and fine-grained gravel comprising the upper portion of the lower Pleistocene San Pedro Formation underlies the Lakewood Formation.

The site lies within the Central Basin Pressure area, a division of the Central Ground Water Basin, which extends over most of the Coastal Plain. The shallow (perched) groundwater occurs within the Lakewood Formation. The deeper groundwater occurs in the Hollydale aquifer, which is the uppermost regional aquifer in the Pleistocene San Pedro Formation. The major water-producing aquifers in the region are the Lynwood aquifer located approximately 200 feet bgs, the Silverado aquifer located at approximately 275 feet bgs, and the Sunnyside aquifer located at approximately 600 feet bgs.

5.0 SITE GEOLOGY/HYDROGEOLOGY

Based on the borings and CPT pushes, Shaw identified six distinct hydrostratigraphic units beneath the ACC site. Uppermost is an "overburden" unit comprised of a wide range of materials from fill to silty sands to clayey silts that is designated as "unit A". Next is a well-defined, clean sand (sometimes with gravel) unit designated as "unit B". Following is a fine-grained, predominantly silt zone designated as "unit C1" which is underlain by a coarser-grained, silty sand zone named "unit D". Next is the finest-grained unit observed, "unit C2", which is predominantly a clayey silt that can be finer-grained (clay) at the top and coarser-grained (sandy silt) with depth. Finally, "unit E" is a clean, coarse-grained sand (similar to unit B) that is considered the top of the regional aquifer system.

A perched water zone, which is currently dry, was identified within unit B. The regional aquifer zone from 50- to 80 feet bgs (referred as the A1 zone), is identified within unit E. A zone of saturation (referred as the "first water" zone) exists between the A1 and the perched water zone.

For this report, monitoring wells MW-13, -14, -15, -17, -20, and -21 will be referred to as 'upper A1 zone monitoring wells' and MW-23, -24, and -25 as 'lower A1 zone monitoring wells'. Monitoring wells MW-4, -6, -8, -9, -10, -11, -12, -16, -18, -19, -22, and -26 will be noted as the 'first water zone monitoring wells'. Monitoring wells MW-4, MW-6, and MW-22 had insufficient water for collection during this sampling event.

The groundwater gradient has historically been to the southwest, as interpreted by SCS. In December 2005, the first water was measured to be at depths between 26.59- and 39.88 feet bgs. A potentiometric groundwater contour map of the first water is included as Figure 3. Groundwater in the A1 zone was measured to be at depths between 37.65- and 42.44 feet bgs. A potentiometric groundwater contour map of the upper A1 zone water is included as Figure 4. Depths to groundwater and their respective elevations are presented in Table 1.

Hydrographs are included as Figures 5 through 8 in this report. Groundwater elevations of both the first water and A1 zone tend to be higher in June and lower in December, which suggests a seasonal recharge in both hydrologic zones. Groundwater levels generally declined from June 2003 to December 2004, interpreted as being due to limited rainfall, which supplies seasonal recharge. The most recent groundwater elevations measured in December 2005 reflect seasonal changes manifest in decreased groundwater elevations in all A1 zone wells and increased groundwater elevations in first water wells (except for wells MW-9, -16, -22, and -26, which all show a decrease).

6.0 GROUNDWATER MONITORING PROTOCOL

The purpose of the current groundwater monitoring program is to provide data to the DTSC regarding the piezometric surface, water quality, and the presence of free product (FP), if any, on a quarterly basis. Groundwater monitoring consists of such activities as water level measurement, well sounding for detection of FP, collection of groundwater samples, field analysis, laboratory analysis, and reporting. The field work was performed as follows.

The depth to groundwater was measured in each well using a decontaminated water-level indicator capable of a measurement to within 1/100th of a foot. Prior to, and following, collection of measurements from each well, the portion of the water-level indicator entering groundwater was decontaminated using a 3-stage decontamination procedure consisting of a potable wash with water containing Liquinox soap followed by a double-purified water rinse. The depth to water was measured in all monitoring wells before any of the wells were purged. Wells were measured in the order of least- to the most contaminated based on past analyses. For the FACC wells, the following order of wells was followed: MW-23, -24, -25, -20, -17, -13, -14, -15, -12, -22, -9, -26, -11, -8, -21, -16, -10, -4, -6, -18, and -19.

The well-box and casing were opened carefully to preclude debris or dirt from falling into the open casing. Once the well-cap was removed, the water-level indicator was lowered into the well until a consistent tone was registered. Several soundings were repeated to verify the measured depth to groundwater. The depth of groundwater was measured from a reference point marked on the lip of each well casing. A licensed surveyor has surveyed the elevation of each reference point. The depth of groundwater was recorded on the field sampling log for each well. Other relevant information such as physical condition of the well, presence of hydrocarbon odors, etc. was also recorded as appropriate on the field sampling log.

The well sounder used for this project was equipped to measure free-product (FP) layers thicker than 0.1 inches. FP is defined for this site as 'light non-aqueous phase liquid' (LNAPL).

Groundwater purging was conducted immediately following the sounding of all monitoring wells. Groundwater samples were analyzed for the following constituents (new wells for Total Petroleum Hydrocarbons as gasoline (TPH-gas) and Volatile organic compounds (VOCs) only):

- VOCs using EPA Method 8260B to include all Tentatively Identified Compounds (TICs).
- TPH-gas using EPA Method 8015 modified.
- Total dissolved solids (TDS) using EPA Method 160.1.
- Nitrates, chloride, sulfate, sulfide, ferrous iron, and manganese using EPA Methods 352.1, 325.3, 375.4, 376.1, 7380, and 7460, respectively.
- Alkalinity, carbonates, and bicarbonates using EPA Methods 310.1 and Standard Method 4500.
- Total organic carbon (TOC) and dissolved organic carbon (DOC) using EPA Method 415.1, and 9060.
- 1,4-Dioxane using EPA method 8270 (MW-8, -10, -12, -13, -17, -20).
- Ethylene using GC/FID.

6.1 Well Purging and Measurement of Field Parameters

Wells were purged in the above-mentioned order (see Section 5.0) to minimize the potential for cross-contamination. One equipment blank was collected daily to assess whether cross-contamination had occurred. The wells were purged by Blaine Tech Services, Inc. (Blaine) and sampled by CSI on June 3, 2005. Snap Samplers™ were removed on the same day. The purge protocol is presented in the Field Sampling Plan (Appendix A) submitted to the DTSC in *Groundwater Monitoring Work Plan* (dated October 23, 2001).

Prior to purging, casing volumes were calculated based on total well depth, static water level, and casing diameter. One casing volume was calculated as:

$$V = \pi(d/2)^2 h \times 7.48$$

Where:

V is the volume of one well casing of water (in gallons, 1 ft^3 = 7.48 gallon);
d is the inner diameter of the well casing (in feet); and
h is the total depth of water in the well - the depth to water level (in feet).

A minimum of three casing volumes of water was purged from each well, except when the well was dewatered. Water was collected into a measured bucket to record the

purge volume. All purged groundwater was containerized in 55-gallon hazardous waste drums for disposal at a later date. Well MW-26 was not purged due to insufficient water.

The pump was initially set at approximately 2 feet below the measured groundwater level in each well. The pump was lowered slowly as the groundwater receded. This ensured that fresh formation water was sampled from each well. Great care was used when deploying the pump to avoid touching the bottom of the well and when initiating the pump to minimize sediment disturbances from purging within the well. A low pump rate of 1 gallon per minute (gpm) or less was used to prevent dewatering. Monitoring wells MW-8 and MW-10 dewatered during this sampling event.

After each well casing volume was purged; water temperature, pH, specific conductance (EC), and turbidity were measured using field test meters and the measurements were recorded on Well Monitoring Data Sheets (See Appendix A). Samples were collected after these parameters have stabilized; indicating that representative formation water has entered the well. The temperature, pH, and specific conductance should not vary by more than 10 percent from reading to reading. Turbidity should be less then 5 NTUs, however, the purging process stirred up silty material in each well which made the turbidity measurements of 5 NTUs unattainable. Groundwater samples were collected after water levels recharged to 80 percent of the static water level. Notations of water quality including color, clarity, odors, sediment, etc. were also noted in the data sheets.

All field meters were calibrated according to manufacturers' guidelines and specifications before and after each day of field use. Field meter probes were decontaminated before and after use at each well. The pH, conductivity, D.O., ORP, and temperature were measured with a YSI 556 and turbidity was measured with a HF Scientific DRT-15C meter. The calibration standards used for pH were 4, 7 and 9 with expiration dates of June 2006. Conductivity was calibrated to a 3900 µs standard which did not have an expiration date. A 0.02 NTU standard was used to calibrate the turbidity and did not have an expiration date.

6.2 Well Sampling

Groundwater samples were collected using two methods: disposable bailers and Snap Samplers™. Monitoring wells MW-8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -20, -22 and -26 were sampled by lowering a separate disposable bailer into each well. Groundwater was transferred from the bailer directly into the appropriate sample containers with preservative, if required, chilled, and processed for shipment to the laboratory. When transferring samples, care was taken not to touch the bailer-emptying device to the sample containers. Snap Samplers™ were used to collect samples from MW-23, -24 and -25. Water samples were transported to Southland Technical Services,

Inc., a certified laboratory by the California Department of Health Services (Cert. #1986), to perform the requested analyses.

Groundwater samples were collected in the following order: MW-20, -13, -17, -15, -14, -12, -26, -11, -9, -10, -16, -8, -23, -24, and -25. Monitoring wells MW-4, -6, and -22 had insufficient water for sampling.

The Snap Sampler™ is a groundwater sampling device that employs a double-opening 40 ml VOA vial. The vial seals under the water surface using a remote trigger. The trigger releases an internal, PFA Teflon-coated, stainless steel spring that seals PTFE or PFA Teflon end-caps onto the bottle. The end-caps are designed to seal the water sample within the VOA vial with no headspace vapor. Once the closed vial is retrieved from the well, the bottle is prepared with standard septa screw caps and a label. All critical actions take place submerged in the well, away from weather, surface contamination, and off-gassing loss. The vial can be used directly in standard laboratory autosampler equipment. The sample is never exposed to the open air from the well to the gas chromatograph. Analytical results for the Snap Samplers™ are included in Appendix B.

Monitoring wells MW-18 and MW-19 identified FP as LNAPL at a thickness of <0.01 feet. MW-21 initially yielded no sheen or product, but sheen was present in the well after purging.

Vials for VOC and TPH analysis were filled first to minimize aeration of groundwater collected in the bailer. The laboratory provided vials containing sufficient HCl preservative to lower the pH to less than 2. The vials were filled directly from the bottom-emptying device. The vial was capped with a cap containing a Teflon septum. A blind duplicate sample for the laboratory was labeled as "MW-1" and was collected from monitoring well MW-11. Equipment blanks were collected every day. EB-1 was collected after purging MW-8. All vials were inverted and tapped to check for bubbles to insure zero headspace.

New nitrile gloves were worn during by sampling personnel for each well to prevent cross-contamination of the samples. A solvent-free label was affixed to each sample container/vial denoting the well identification, date and time of sampling, and an identifying code to distinguish each individual bottle.

6.3 Sample Handling

VOA vials, including laboratory trip blanks, were placed inside of one new Ziplock bag per well and stored in a cooler chilled to approximately 4°C with bagged ice. Water samples were logged on the chain-of-custody forms immediately following sampling of each well to insure proper tracking through analysis to the laboratory.

6.4 Waste Management

Free product (FP), purged groundwater, and decontamination water were stored in sealed 55-gallon drums for a period not to exceed 90 days. Stored wastes will be profiled for hazardous constituents and characterized as Non-Hazardous, California Hazardous, or RCRA Hazardous, as appropriate. Any transportation of waste will be under appropriate manifest.

7.0 FREE PRODUCT

FP was identified in monitoring wells MW-18 and MW-19 at thicknesses of 0.01- and 0.12-feet, respectively. Each well that contains or has contained FP is tabulated as follows with the total amount of FP removed since each well was installed.

Well ID	Total FP Removed (liters)
• MW-4	0.04
• MW-6	15.165
• MW-8	26.49
• MW-10	14.751
• MW-16	0.93
• MW-18	208.022
• MW-19	40.923
• MW-21	1.558
TOTAL	**307.879**

Laboratory analysis of FP was performed in October 2001 from MW-6, in June 2002 from MW-6 and MW-8, in December 2003 from MW-16 and MW-19, in March 2004 from MW-10, MW-18 and MW-19, and in September 2004 from MW-8, MW-10, and MW-19. Laboratory analysis results are presented in Table 2. Based on the results, the FP contained in MW-6 and MW-8 appears to be different from the FP contained in MW-10, MW-16, and MW-19 when comparing TPH-gas concentrations. Furthermore, the VOC analysis results indicate that FP from MW-10 and MW-18 were similar as compared to the FP from MW-19.

8.0 GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from the first water zone monitoring wells MW-8, -9, -10, -11, -12, -16, and -26 in December 2005 contained dissolved TPH-gas at 64,600;

3,600; 87,100; 238,000; 1,470; 21,800; and 158,000 µg/L, respectively. See Table 3 and Figure 9 for dissolved TPH-gas concentrations. Graphs of dissolved contaminant concentrations over time are provided in Appendix B. Note that the previously high dissolved TPH-gas concentration from MW-11 has dropped by over 75%.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, -14, 15, -17, and -20 in December 2005 contained TPH-gas ranging from 81.5 µg/L in MW-20 to 885 µg/L in MW-15. The lower A1 zone monitoring wells MW-23, -24, and -25 showed dissolved TPH-gas as 288; 341; and 165 µg/L, respectively. See Table 3 and Figure 10 for dissolved TPH-gas concentrations. Generally, contaminant graphs for the A1 zone show a slight increase in dissolved TPH-gas concentrations in most wells during the month of September, except for MW-14 which shows a decreased concentration.

Concentrations of dissolved BTEX in the first water zone ranged from 24,797 µg/L in MW-26 to 19 µg/L in MW-12 (See Table 4 and Figure 9 for dissolved BTEX concentrations). Most of the total dissolved BTEX concentrations consist of toluene. Contaminant graphs for benzene and toluene are provided in Appendix B.

Dissolved BTEX in the upper A1 zone ranged between 92.5 µg/L in MW-15 to <5 µg/L in MW-13, -14, and -17 (See Tables 4 and 5 and Figure 10 for dissolved BTEX concentrations). Like the first water zone, the upper A1 zone contains mostly toluene as the total dissolved BTEX concentration. Contaminant graphs for benzene and toluene showed lower concentrations in most wells during the months of June and December. Maximum concentrations are identified in monitoring well MW-15 in June 2005 and MW-14 in September 2005. The lower A1 zone monitoring wells MW-23, -24, and -25 identified no detectable concentrations of dissolved BTEX.

Groundwater sample results from the first water zone identified high VOC concentrations as compared to the relatively low VOC concentrations in the A1 zone (See Tables 4 and 5).

Dissolved PCE was identified in the first water zone at a maximum concentration of 1,080 µg/L from MW-26. Dissolved TCE was identified at a maximum of 2,160 µg/L from MW-26 in the first water zone (See Figure 11). Dissolved contaminant graphs identified relatively consistent dissolved PCE and TCE concentrations from first water wells except for MW-26, where concentrations fluctuate greatly. Maximum concentrations of dissolved PCE and TCE in the upper A1 zone were determined to be 36.3 µg/L in MW-17 and 28.9 µg/L in MW-13, respectively (See Figure 12). The lower A1 zone contained maximum concentrations of dissolved PCE (142 µg/L in MW-23) and TCE (86 µg/L in MW-24). Wells in the upper and lower A1 zones exhibited a general increase in dissolved PCE and a decrease in dissolved TCE (See Appendix B).

Dissolved concentrations of 1,1,1-TCA in the first water zone were determined to be a maximum of 4,710 μg/L in MW-26 (See Figure 11). Contaminant graphs for the first water showed that in most wells with elevated dissolved 1,1,1-TCA (>100 μg/L) the maximum concentrations were detected during the month of December 2002 and most wells with low level dissolved 1,1,1-TCA (<100 μg/L) the maximum concentrations were detected in June 2003. Dissolved 1,1,1-TCA was not detected or "ND" (<4 μg/L in MW-14, <20 in MW-9 and <2 μg/L in any of the other wells) in the A1 zone (See Figure 12), except for MW-20 (2.2 μg/L). Graphs of dissolved 1,1,1-TCA over time in the A1 zone illustrate that June 2004 was the first date where concentrations were all below 14 μg/L. Only MW-21 and MW-23 have had concentrations above that level in September 2004 and December 2005, respectively.

Groundwater samples were also analyzed for 1,4-Dioxane, a preservative used in 1,1,1-TCA to prolong its shelf life. However, 1,4-Dioxane is more soluble in groundwater than 1,1,1-TCA and will often lead the dissolved 1,1,1-TCA plume. First water zone monitoring wells identified dissolved 1,4-Dioxane concentrations between 24,100 μg/L and <2 μg/L. A1 zone monitoring identified dissolved 1,4-Dioxane concentrations between 96.5 μg/L and <2 μg/L. Dissolved concentrations in most wells decreased over time until March 2005 when concentrations began increasing in MW-9, -14, and -16 (See Appendix B).

Concentrations of dissolved chlorinated VOC daughter products were relatively elevated compared to their respective parent VOCs identified above and also showed a trend of higher dissolved concentrations in the first water zone ompared to the deeper A1 zone.

1,1-DCA is a daughter product fro reductive dehalogenation of 1,1,1-TCA and from carbon-carbon double-of 1,1-DCE, another daughter product. Dissolved 1,1-DCA concentrations were identified between 34,100 μg/L and 20.5 μg/L in the first water zone (See Figure 11). The greatest dissolved 1,1-DCA concentration was observed in MW-11. An historic maximum concentration was identified in MW-11 during December 2004 (See Appendix B). Dissolved 1,1-DCA concentrations in the upper A1 zone ranged between 262 μg/L and <1 μg/L (See Figure 12). Dissolved 1,1-DCA concentrations identified in the lower A1 zone were between 51.5 μg/L and <1 μg/L. Most wells in the A1 zone exhibited a slight increase or stable levels of dissolved 1,1-DCA concentrations since the previous event.

Dissolved 1,1-DCE, a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE, was identified at concentrations ranging from 9,210 μg/L to <2 μg/L in the first water zone (See Figure 11). The maximum dissolved 1,1-DCE concentration was observed in MW-26. Historically, dissolved concentrations of 1,1-DCE fluctuate with no observable pattern (See Appendix B). Dissolved 1,1-DCE concentrations in the upper A1 zone ranged between 262 μg/L and 11.3 μg/L (See Figure

12). Concentrations of detected dissolved 1,1-DCE were identified at a maximum of 636 μg/L in the lower A1 zone from MW-23. The A1 zone showed overall elevated dissolved 1,1-DCE concentrations in December 2005.

Cis-1,2 DCE is also a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE. Concentrations of dissolved cis-1,2-DCE were identified between 10,600 μg/L (in MW-26) and 4.4 μg/L in the first water zone (See Figure 11). Historically, dissolved concentrations of cis-1,2-DCE fluctuate with no observable pattern (See Appendix B). Dissolved cis-1,2-DCE concentrations in the upper A1 zone ranged from 3 μg/L to a maximum of 265 μg/L identified from MW-15 (See Figure 12). The lower A1 zone contained dissolved cis-1,2-DCE at a maximum of 24.9 μg/L from MW-23. Contaminant graphs from the A1 zone show a general decrease in dissolved cis-1,2-DCE over time with the exceptions of MW-15, -16, -21, and -26. MW-21 showed elevated concentrations (<2,500 μg/L) in March and September 2004 and MW-15 showed elevated concentrations in March 2004, and again in March and June 2005.

Vinyl chloride (VC) is a by-product from the dehydrohalogenation and reductive dehalogenation of the chlorinated VOC daughter products mentioned above. Similar to the other VOCs, concentrations of dissolved VC were at lower concentrations in the deeper A1 zone than in the first water zone. Dissolved VC concentrations were identified between 4,050 μg/L (in MW-8) and 4.4 μg/L in the first water zone (See Figure 11). An increase in VC in the first water zone was observed over time in MW-11 (See Appendix B). Dissolved VC concentrations in the upper A1 zone ranged from 721 μg/L to <1 μg/L (See Figure 12). Dissolved VC was ND in the lower A1 zone. The A1 zone wells showed fluctuations of dissolved VC concentrations with no discernable pattern.

Dissolved methylene chloride was identified in the first water zone at concentrations between 10,000 μg/L (in MW-26) and <2 μg/L (See Figure 11). Methylene chloride was ND (<4 in MW-14 and <2 μg/L in all other wells) in the upper and lower A1 zone monitoring wells sampled (See Figure 12).

Dissolved acetone was identified in first water zone monitoring well MW-26 at a concentration of 9,440 μg/L. Dissolved MEK concentrations ranged from 4,120 μg/L (in MW-26) to <5 μg/L in first water wells (See Figure 13). No detectable concentrations of acetone or MEK were identified above method detection limits in either the upper or lower A1 zones (See Figure 14). Historically, dissolved concentrations of acetone and MEK fluctuate with no observable pattern (See Appendix B).

Detectable concentrations of dissolved MIBK were identified between 7,120 μg/L to <5 μg/L in the first water wells sampled this quarter (See Figure 13). No detectable concentrations were identified in any upper and lower A1 zone monitoring wells sampled (See Figure 14).

Most groundwater samples were also analyzed for biodegradation indicators (See Table 6 for laboratory results). The combination of elevated daughter products with elevated oxygen levels (>0.5 mg/L O_2) indicates that aerobic biodegradation is a dominant electron-accepting process in MW-10, -13, -14, -20, -22, and -26. Lower oxygen levels and higher nitrate levels in MW-9, -11, -12, and -15 suggest that nitrate reduction is a principal electron-accepting process in these wells. MW-17 and -20 have elevated DO and nitrate.

All groundwater laboratory analytical reports for this quarterly groundwater monitoring episode are included as Appendix C.

9.0 VOCS CAPTURED AND TREATED BY THE SVE SYSTEM

During the 4th quarter 2005 Clean Soils, Inc. began VOC treatment of the vadose zone at the ACC site[1]. VOC vapor concentrations collected periodically by CSI from gases entering the SVE system were used to estimate the volume of VOCs extracted from the vadose zone.

From the startup of the VOC system on October 20, 2005 through December 31, 2005, the unit operated a total of 73 days with an average of 19.0 hours per day of run time. During this period, the SVE system averaged a flow rate of 247 scfm with VOC vapor concentrations averaging 750.5 ppmv, as measured with a PID. The SVE system was up and operating an average of 79% of the time during this period.

Based on an average molecular weight of 138 pounds per pound mole for the VOC vapor, the SVE system removed and treated 5,095.4 pounds during the 4th quarter, 2005. The formula and the basis of the values used in the formula to calculate the amount of VOCs removed and treated are present in Tables 9 – 11.

10.0 CONCLUSIONS

Based on groundwater elevation data, it is conclude that seasonal changes affect both the first water and A1 zones. In general, both groundwater zones observed a period of discharge during winter and recharge during summer months.

Based on the recent groundwater sample results, it is concluded that the site is impacted by LNAPL in the first water and upper A1 zones and dissolved VOCs in both the first water and A1 zones. LNAPL was identified in two first water monitoring wells (MW-18 and MW-19) and as a sheen in upper A1 zone well MW-21. Elevated dissolved

[1] Estimated volumes of VOCs extracted and treated by the SVE system will be included as part of the quarterly groundwater monitoring reports being submitted to the Department of Toxics Substances Control

phase VOCs were identified in first water monitoring wells MW-8, -9, -10, -11, -16, -22, and -26. Dissolved VOC concentrations, however, were detected at higher concentrations in the first water zone by an order of magnitude as compared to the A1 zone.

Another conclusion is that the recent groundwater sampling data provide preliminary support that the site has potential for intrinsic biodegradation. Dissolved parent VOC (PCE, TCE, and 1,1,1-TCA) concentrations were identified at concentrations less than 500 µg/L, except in MW-10 and MW-26 where concentrations were above 500 µg/L but were lower than the June 2005 concentrations. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC were detected at dissolved concentrations of up to 34,100 µg/L. The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

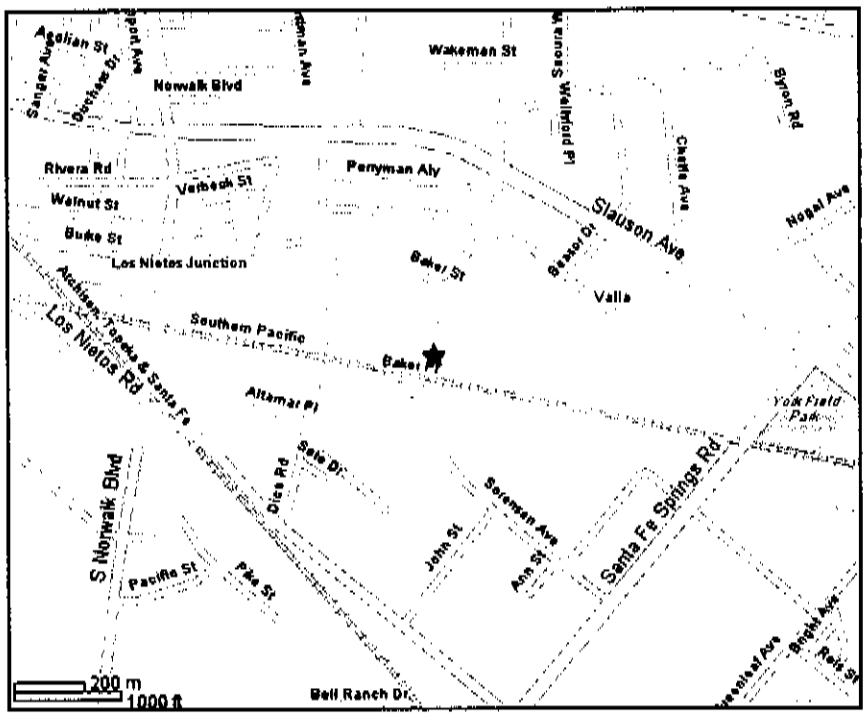
11.0 RECOMMENDATIONS

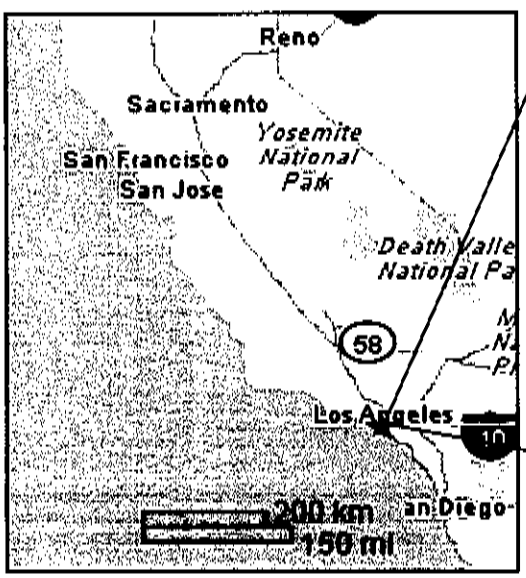
The following recommendations are offered::

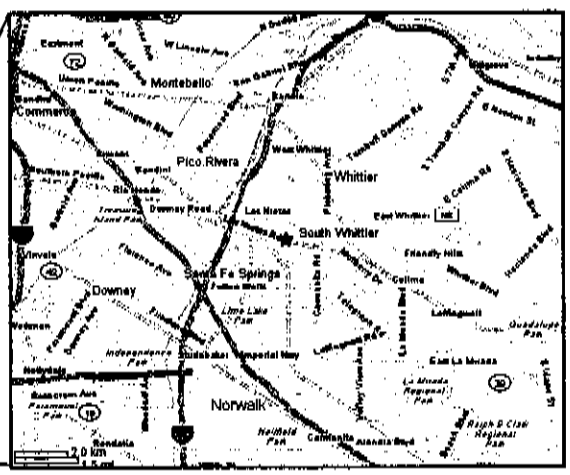
- Continued quarterly groundwater monitoring for VOCs and TPH-gas;
- Continued free product removal on a monthly basis;
- Continued Soil Vapor extraction (operations began in October 2005) and monitoring.

FIGURES

ANCHEM1342







Legend

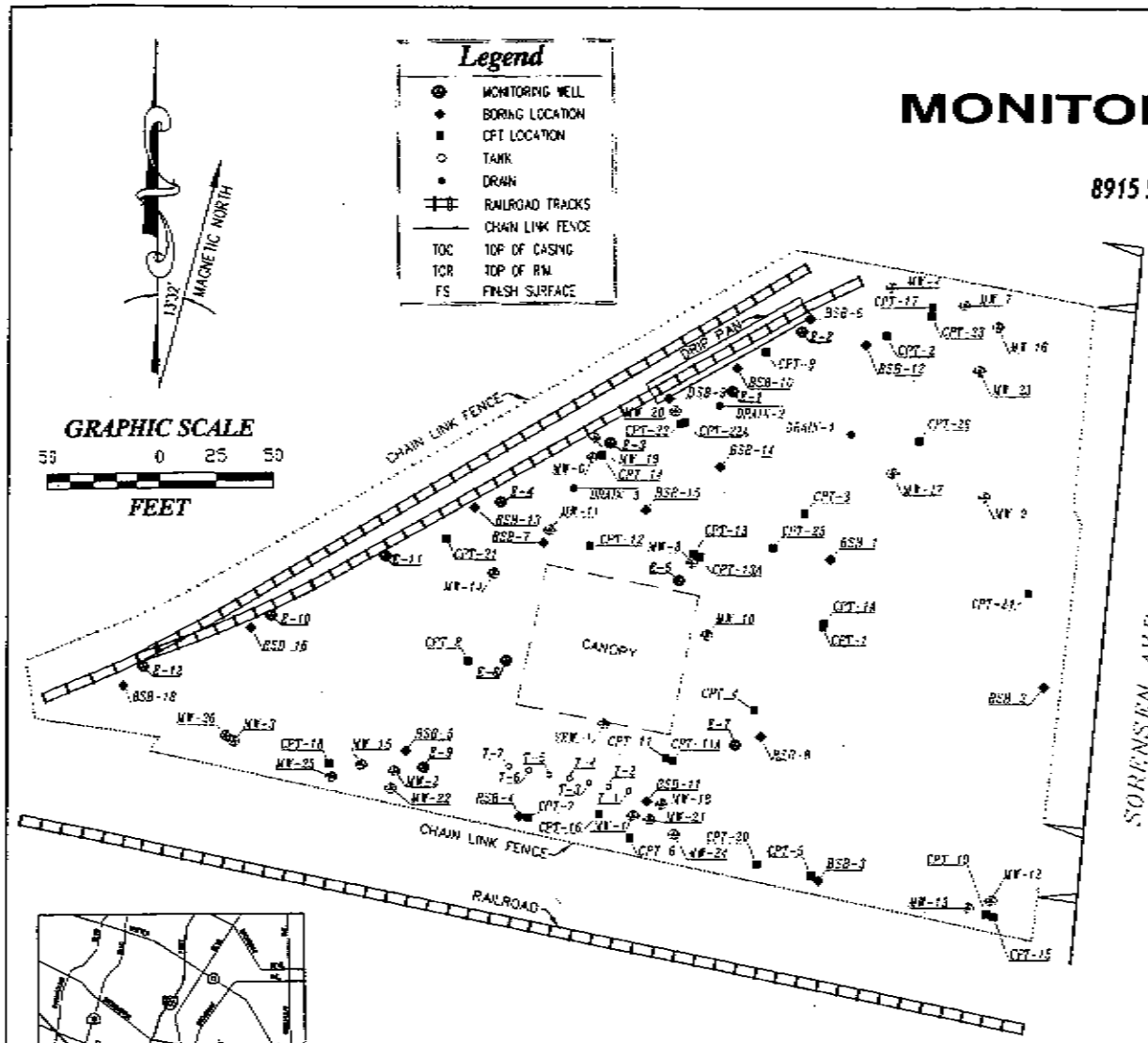
★ 8915 Sorensen Ave

Clean Soil, Inc. 4359 Phelan Road Phelan, CA 92371	Site Location Map Former Angeles Chemical Company 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 1

ANCHEM1343

FIGURE 2
MONITORING WELL LOCATIONS

FORMER ANGELES CHEMICAL CO.
8915 SORENSEN AVENUE, SANTA FE SPRINGS, CA 90670



MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	NG (ELEVATION)
VEW-1	[illegible]	[illegible]	149.69	150.20	150.18	
VEW-1	[illegible]	[illegible]			150.43	
MW-2	[illegible]	[illegible]	150.42	150.87	150.80	
MW-3	[illegible]	[illegible]	150.76	151.35	151.12	
MW-4	[illegible]	[illegible]	148.37	148.87	148.76	
MW-6	[illegible]	[illegible]	148.38	148.81		148.58
MW-7	[illegible]	[illegible]	148.65	148.64	148.80	
MW-8	[illegible]	[illegible]	148.68	150.00	149.87	
MW-9	[illegible]	[illegible]	148.45	149.45	149.35	
MW-10	[illegible]	[illegible]	149.41	149.81		149.33
MW-11	[illegible]	[illegible]	149.13	149.67		149.41
MW-12	[illegible]	[illegible]	150.09	150.46	150.40	
MW-13	[illegible]	[illegible]	150.33	150.54	150.47	
MW-14	[illegible]	[illegible]	150.84	151.01	150.80	
MW-15	[illegible]	[illegible]	150.88	150.94	150.88	
MW-16	[illegible]	[illegible]	148.33	148.75	148.68	
MW-17	[illegible]	[illegible]	148.38	148.37	148.33	
MW-18	[illegible]	[illegible]	149.80	150.39		150.00
MW-19	[illegible]	[illegible]	149.30	149.81		149.64
MW-20	[illegible]	[illegible]	148.13	148.84	148.82	
MW-21	[illegible]	[illegible]	150.02	150.31	150.25	

NOTE:
MW-1 ABANDONED

CPT LOCATION			
CPT	NORTH	EAST	ELEVATION
CPT-1	[illegible]	[illegible]	149.85
CPT-1A	[illegible]	[illegible]	149.80
CPT-2	[illegible]	[illegible]	149.83
CPT-3	[illegible]	[illegible]	149.31
CPT-4	[illegible]	[illegible]	149.36
CPT-5	[illegible]	[illegible]	150.28
CPT-6	[illegible]	[illegible]	150.7
CPT-7	[illegible]	[illegible]	150.38
CPT-8	[illegible]	[illegible]	150.05
CPT-9	[illegible]	[illegible]	149.49
CPT-10	[illegible]	[illegible]	150.05
CPT-11	[illegible]	[illegible]	150.05
CPT-11A	[illegible]	[illegible]	150.02
CPT-12	[illegible]	[illegible]	149.41
CPT-13	[illegible]	[illegible]	149.80
CPT-13A	[illegible]	[illegible]	149.80
CPT-14	[illegible]	[illegible]	149.48
CPT-15	[illegible]	[illegible]	149.88
CPT-16	[illegible]	[illegible]	149.38
CPT-17	[illegible]	[illegible]	149.31
CPT-18	[illegible]	[illegible]	150.00
CPT-19	[illegible]	[illegible]	150.80
CPT-20	[illegible]	[illegible]	150.80
CPT-21	[illegible]	[illegible]	150.17
CPT-22	[illegible]	[illegible]	150.15
CPT-23	[illegible]	[illegible]	149.39
CPT-23A	[illegible]	[illegible]	149.38
CPT-23	[illegible]	[illegible]	149.81
CPT-24	[illegible]	[illegible]	149.81
CPT-25	[illegible]	[illegible]	149.82
CPT-26	[illegible]	[illegible]	150.00

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-1	[illegible]	[illegible]	149.38
BSB-2	[illegible]	[illegible]	149.80
BSB-3	[illegible]	[illegible]	150.77
BSB-4	[illegible]	[illegible]	150.80
BSB-5	[illegible]	[illegible]	150.80
BSB-6	[illegible]	[illegible]	149.33
BSB-7	[illegible]	[illegible]	149.40
BSB-8	[illegible]	[illegible]	149.82
BSB-9	[illegible]	[illegible]	149.72
BSB-10	[illegible]	[illegible]	149.47
BSB-11	[illegible]	[illegible]	150.11
BSB-12	[illegible]	[illegible]	149.13
BSB-13	[illegible]	[illegible]	149.68
BSB-14	[illegible]	[illegible]	150.05
BSB-15	[illegible]	[illegible]	149.84
BSB-16	[illegible]	[illegible]	150.00

LICENSED LAND SURVEYOR
EDWARD L. SCHERER
L.S. 4240
Exp. 6-30-04
STATE OF CALIFORNIA

TANK LOCATION			
TANK	NORTH	EAST	ELEVATION
T-1	[illegible]	[illegible]	150.27
T-2	[illegible]	[illegible]	150.30
T-3	[illegible]	[illegible]	150.38
T-4	[illegible]	[illegible]	150.48
T-5	[illegible]	[illegible]	150.27
T-6	[illegible]	[illegible]	150.56
T-7	[illegible]	[illegible]	150.55

DRAIN LOCATION			
DRAIN	NORTH	EAST	ELEVATION
DRAIN-1	[illegible]	[illegible]	149.12
DRAIN-2	[illegible]	[illegible]	149.06
DRAIN-3	[illegible]	[illegible]	149.08

SURVEYED: MAY 27, 2003

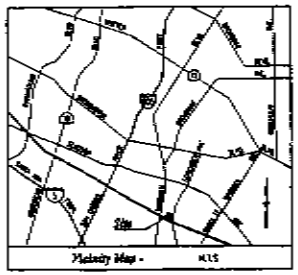
MONITORING WELLS				
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)
E-1	[illegible]	[illegible]	149.60	149.17
E-2	[illegible]	[illegible]	149.75	149.38
E-3	[illegible]	[illegible]	149.15	149.43
E-4	[illegible]	[illegible]	149.13	149.36
E-5	[illegible]	[illegible]	149.84	149.88
E-6	[illegible]	[illegible]	150.09	150.55
E-7	[illegible]	[illegible]	149.81	149.83
E-8	[illegible]	[illegible]	149.71	150.01
E-10	[illegible]	[illegible]	149.81	149.85
E-11	[illegible]	[illegible]	149.01	149.81
E-12	[illegible]	[illegible]	149.35	150.07

SURVEYED: JULY 25, 2003

MONITORING WELLS					
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)
MW-22	[illegible]	[illegible]	150.60	150.90	150.88
MW-23	[illegible]	[illegible]	149.43	149.08	149.39
MW-24	[illegible]	[illegible]	149.82	150.31	150.28
MW-25	[illegible]	[illegible]	150.84	151.08	151.04
MW-26	[illegible]	[illegible]	150.83	151.04	151.30

SURVEYED: JULY 25, 2003

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-17	[illegible]	[illegible]	150.00



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

BENCH MARK
THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE CITY OF LOS ANGELES BENCH MARK No. 070238, ELEVATION = 318.5828 (NAVD88)

COORDINATES
THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NAD83), CALIFORNIA ZONE V, BASED UPON STATIC GPS OBSERVATION, HOLDING NGS POINT NO. 070238

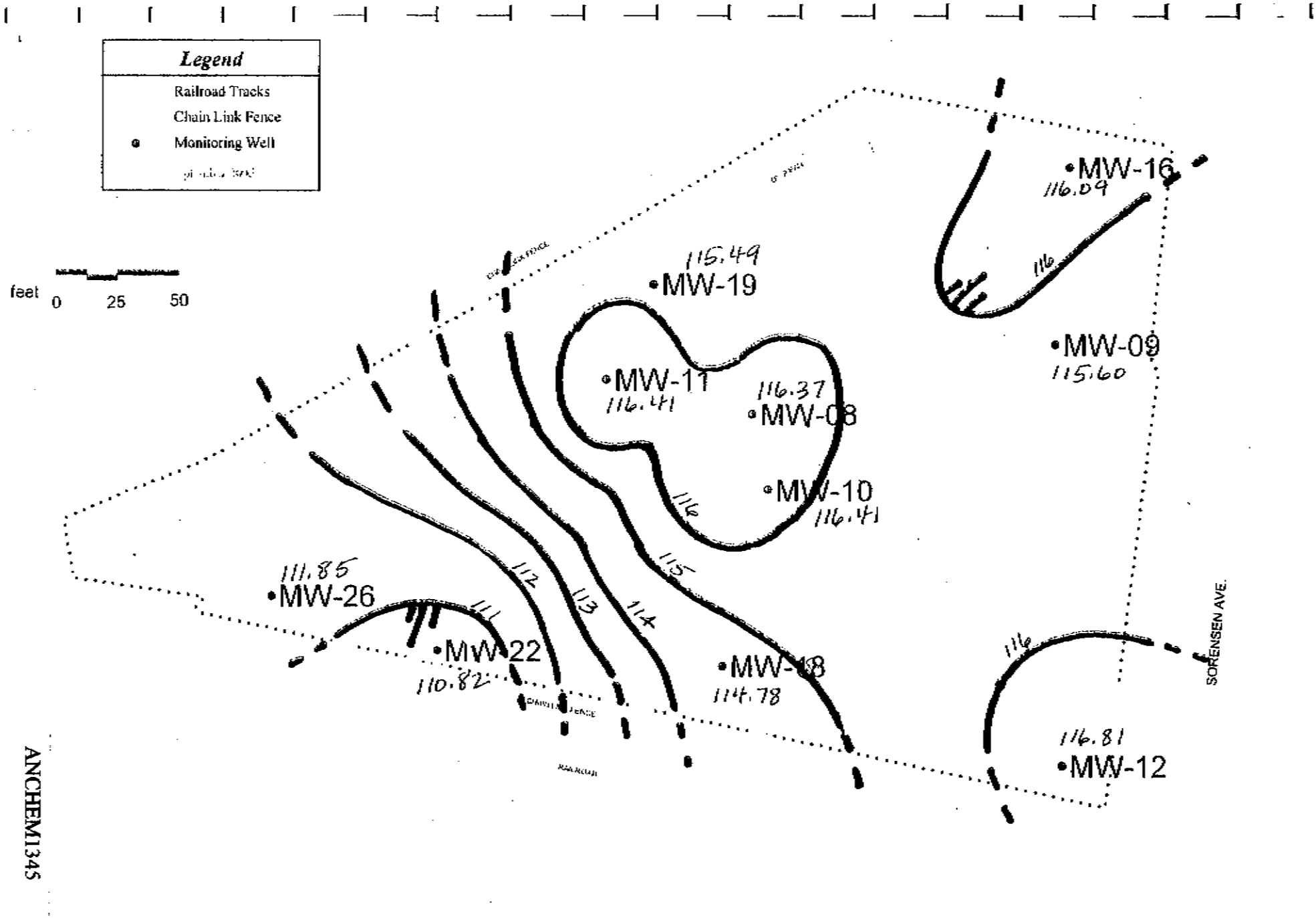
PREPARED FOR
BLAKELY ENVIRONMENTAL INVESTIGATIONS
8826 AUROR ROUTE, SUITE T
RANCHO CUCAMONGA, CA 91730
(909) 989-8338 Phone
(909) 989-9336 Fax

NO.	DATE	REVISIONS	BY
0	12-23-02	SUBMITTAL	JG
1	05-30-03	ADD WELLS E-1-E-7, E-9, E-11, E-12	BK
2	07-25-03	ADD MW-22 THROUGH MW-26 & BSB-18	DC

CAL VADA SURVEYING, INC.
Los Angeles • San Francisco • Denver • Phoenix
180 Business Center Drive Denver, CA 80229-1727
Phone: (303) 288-4960 Fax: (303) 288-4144
www.calvadasurvey • (800) CALVADA (225-8232)
JOB NO. 02-01-52

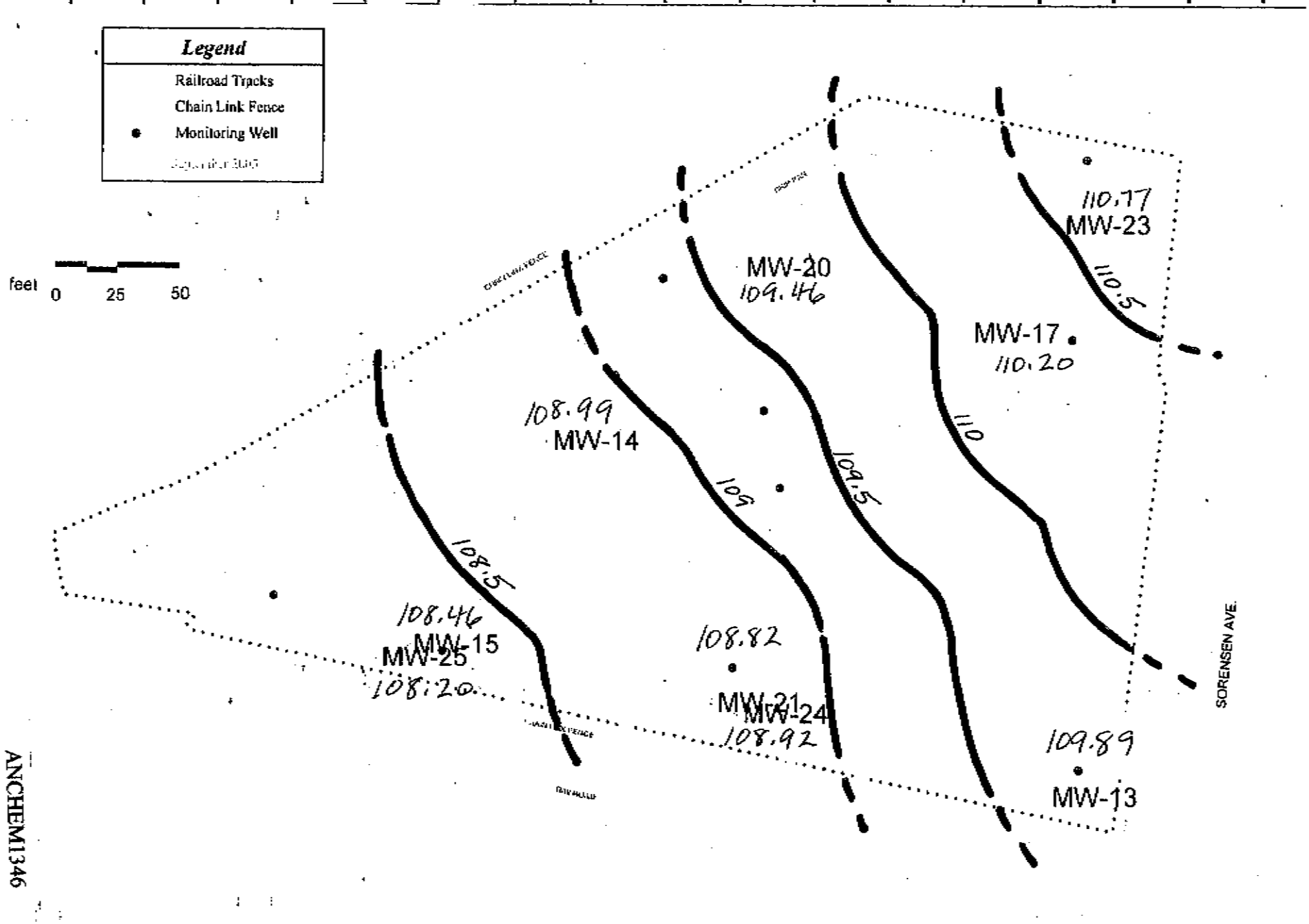
SHEET 1 OF 1

ANCHEM1344



ANCHEM1345

Prepared by Clean Soil, Inc. 4359 Phelan Road, Phelan, CA 92371	First Water Potentiometric Gradient Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 3



ANCHEM1346

Prepared by	A1 Zone Potentiometric Gradient	FIGURE
Clean Soil, Inc. 4359 Phelan Road, Phelan, CA 92371	Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	4

Figure 5: First Water Groundwater Elevations from Central and Northern Wells

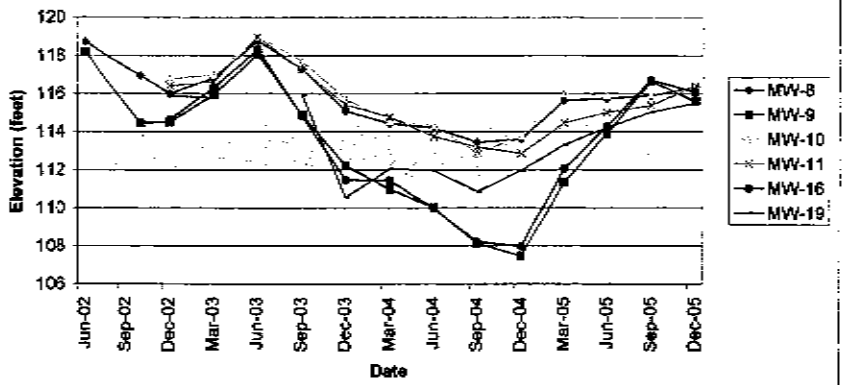


Figure 6: First Water Groundwater Elevations from Southern Wells

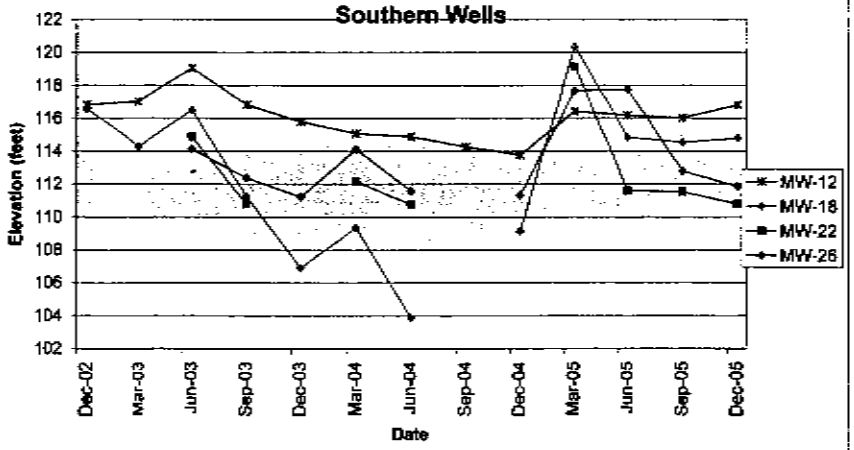


Figure 7: Upper A1 Groundwater Elevations

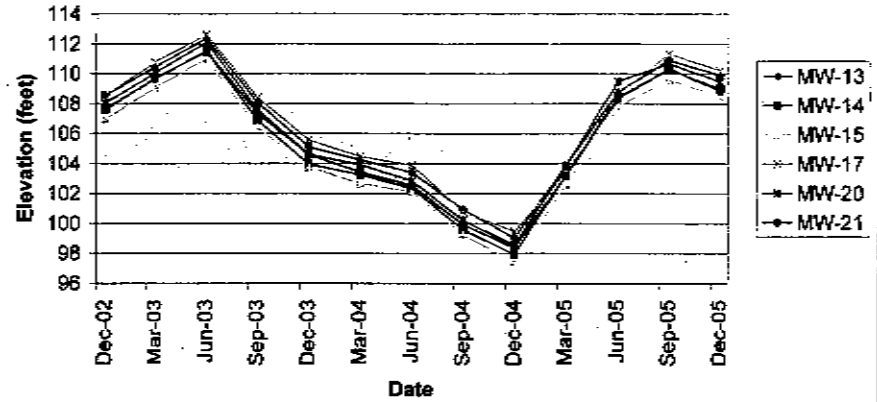
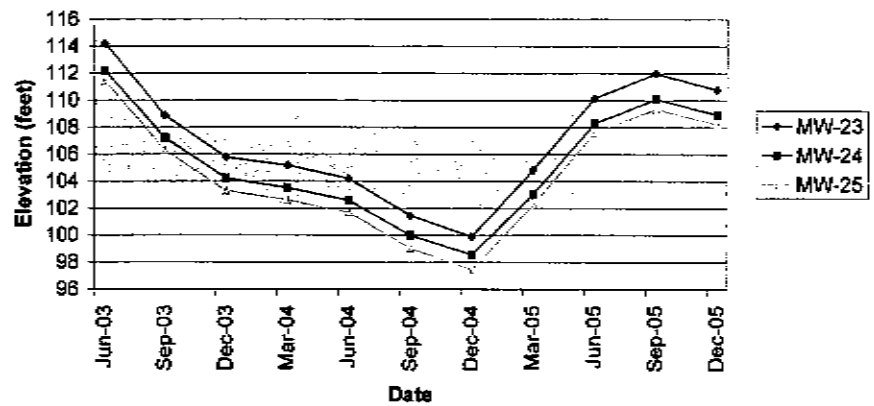
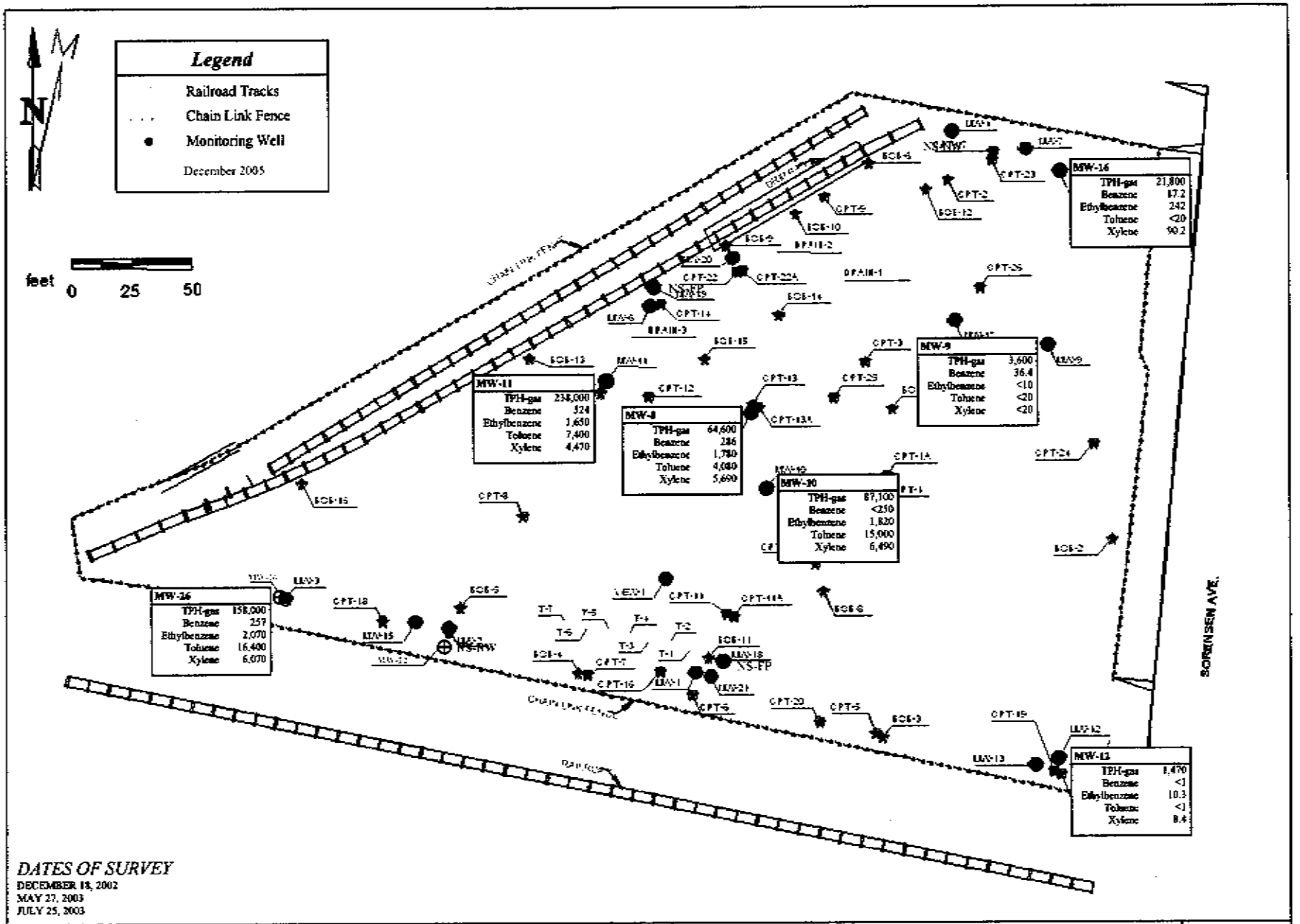


Figure 8: Lower A1 Groundwater Elevations





Prepared by

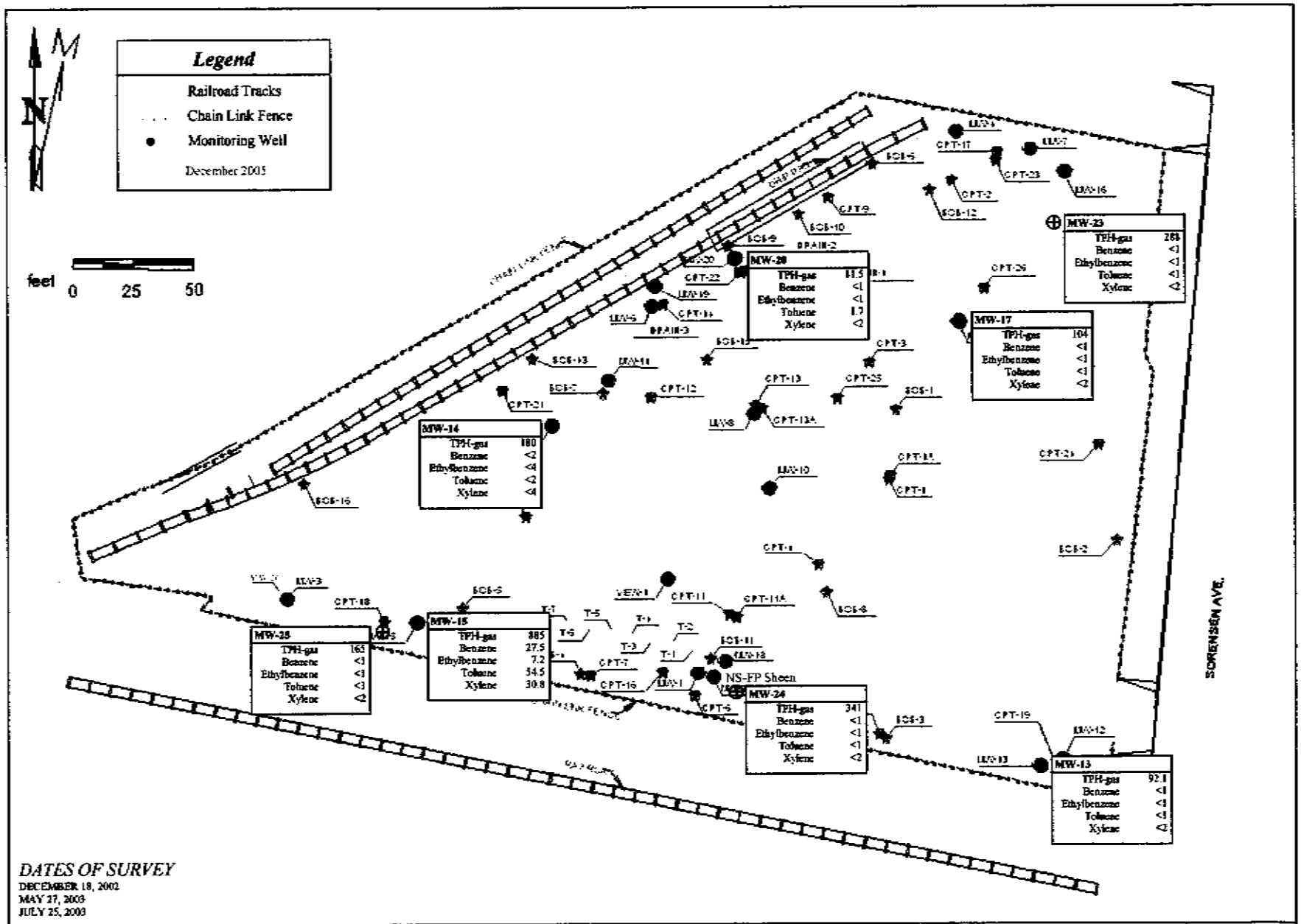
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

TPH-gas and BTEX Concentrations in First Water (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE 9

ANCHEM1348



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

Prepared by

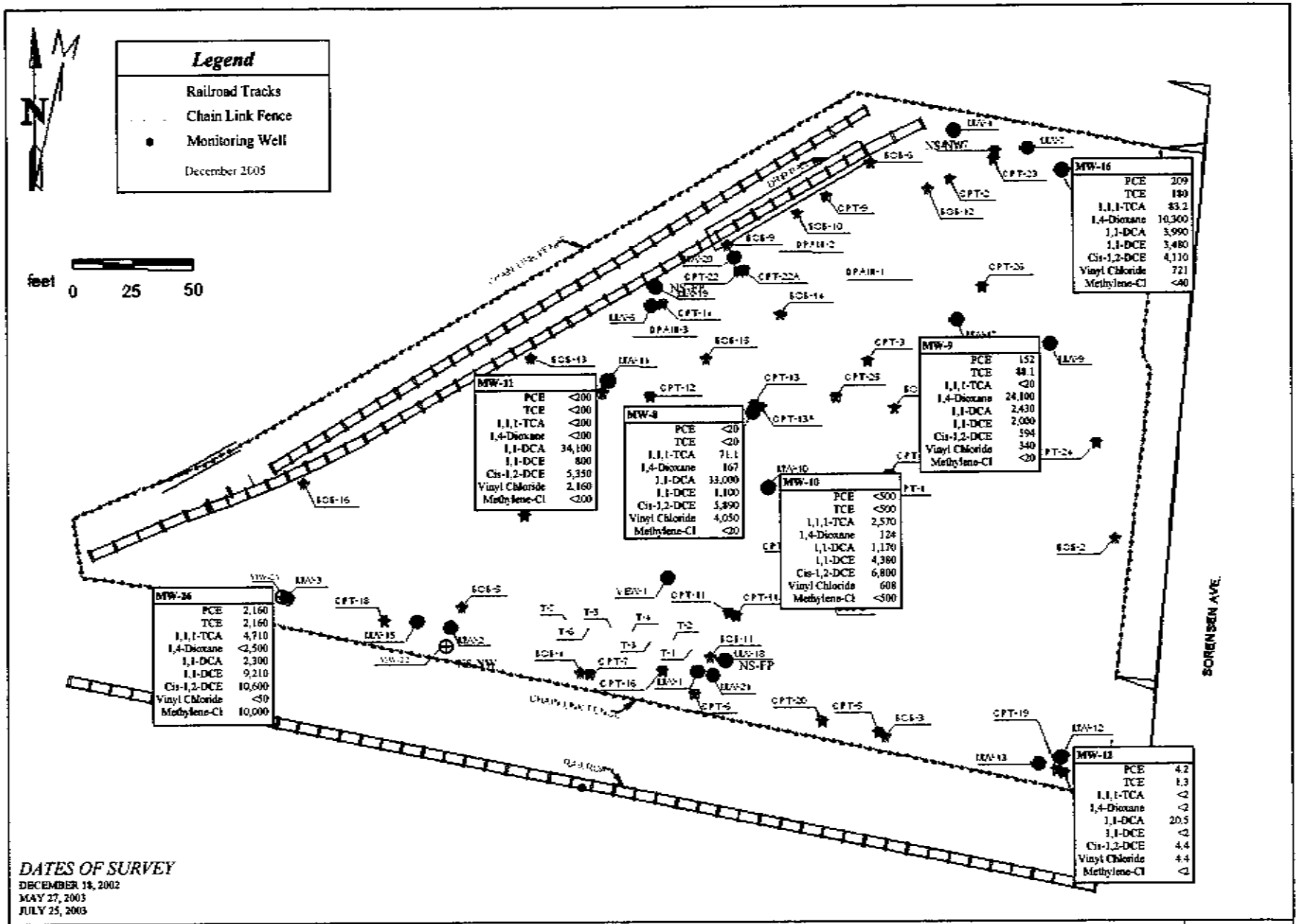
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

TPH-gas and BTEX Concentrations in Upper and Lower A1 Zones (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE
10

ANCHEM1349



Prepared by

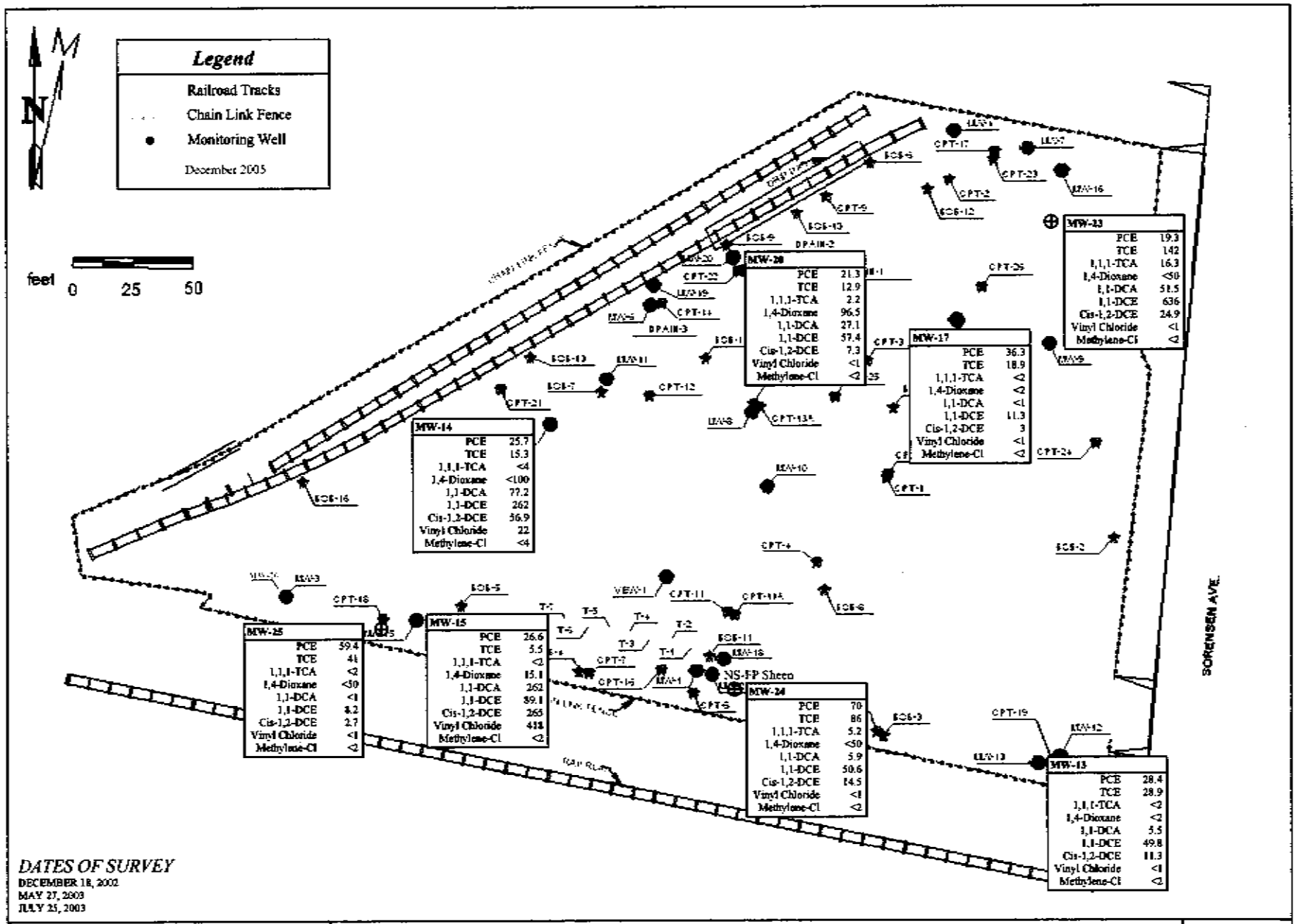
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

Chlorinated VOC's and 1,4 Dioxane Concentrations in First Water (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE 11

ANCHEM1350



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

Prepared by

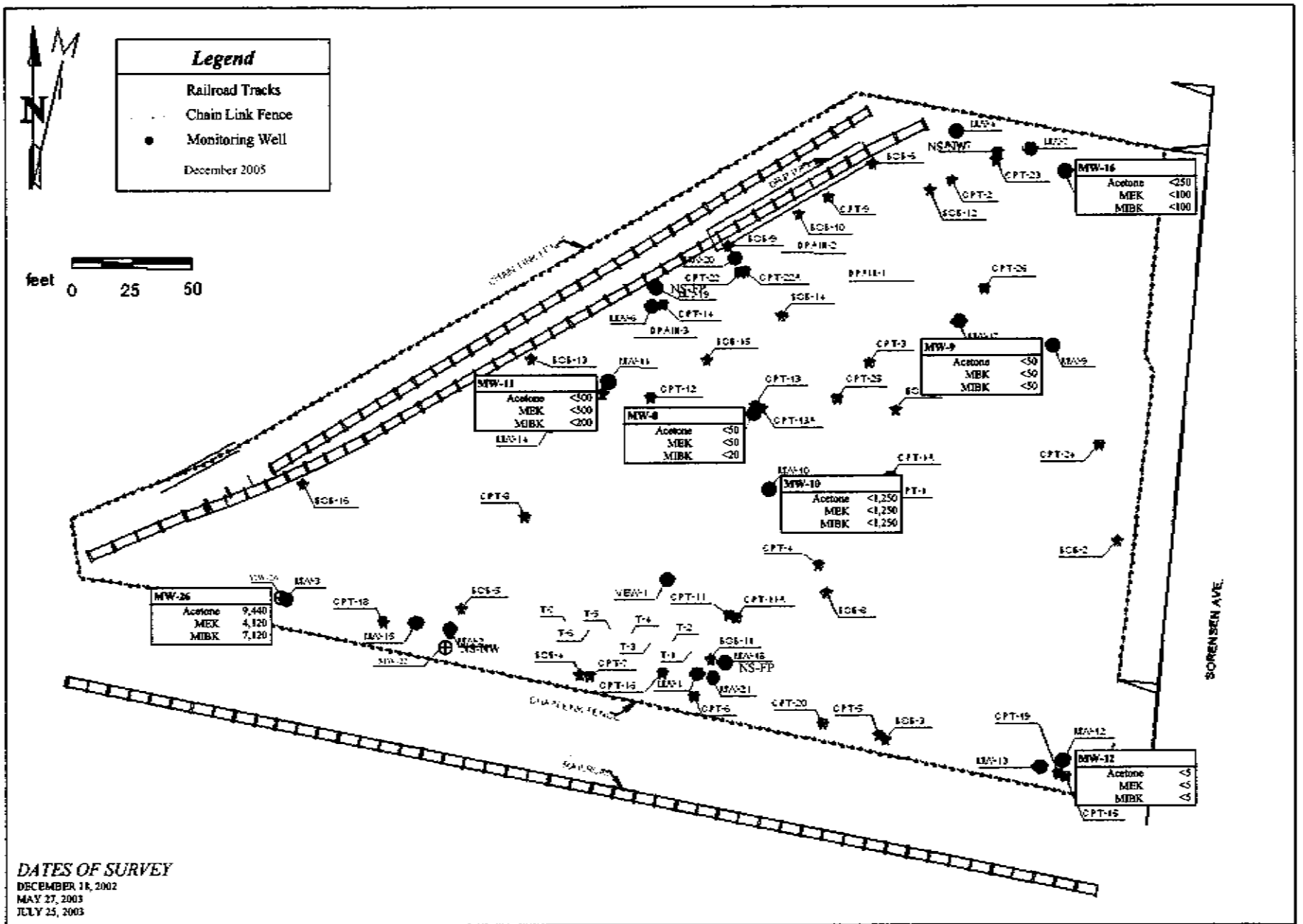
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

Chlorinated VOC's and 1,4 Dioxane Concentrations in Upper and Lower A1 Zones (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE
12

ANCHEM1351



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

Prepared by

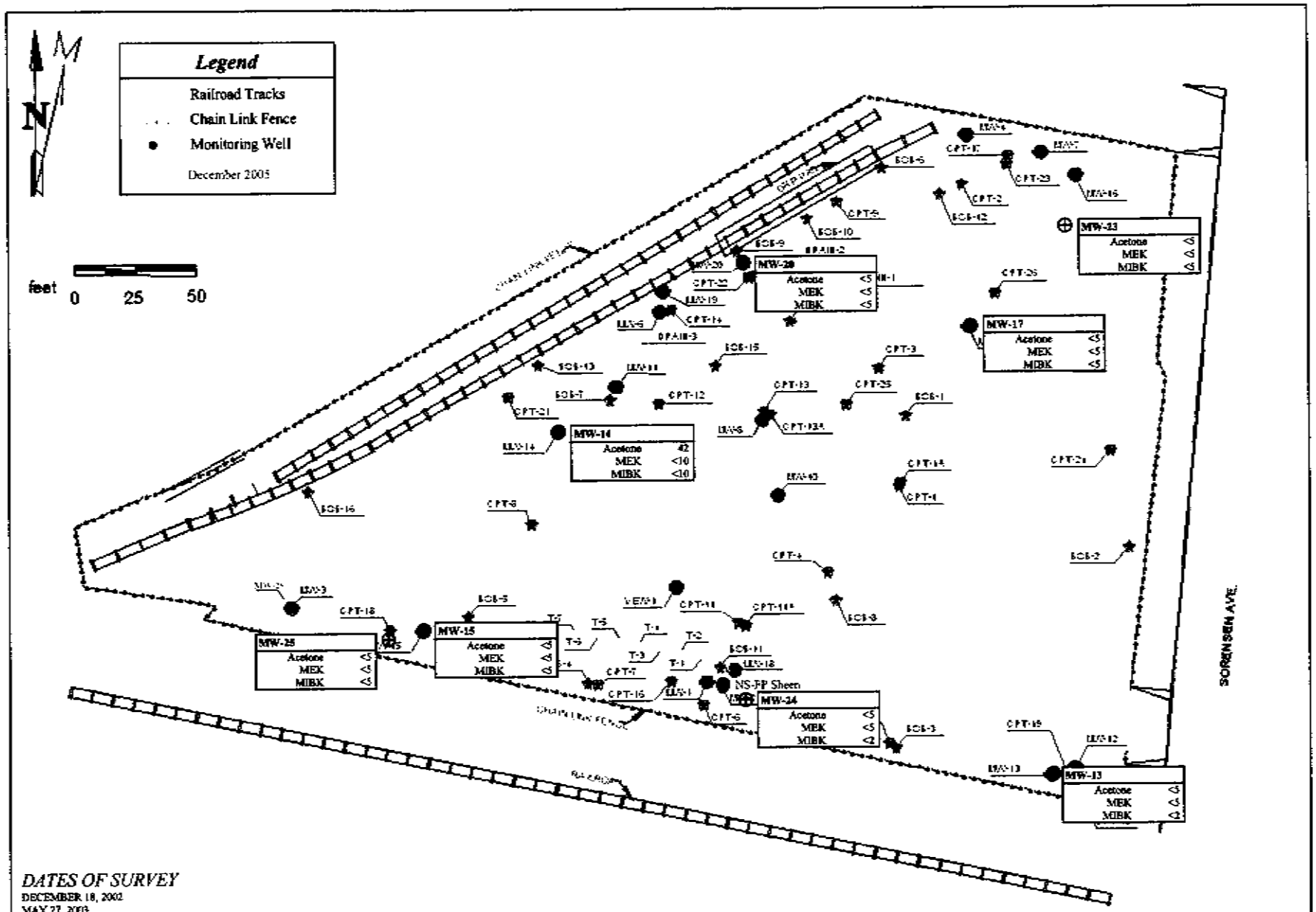
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

Acetone, MEK and MIBK Concentrations in First Water (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE 13

ANCHEM1352



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

Prepared by	Acetone, MEK and MIBK Concentrations in Upper and Lower A1 Zones (µg/L)	FIGURE
Clean Soil, Inc. 4359 Phelan Road, Phelan, CA 92371	Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	14

ANCHEM1353

TABLES

Table 1: Well and Screen Elevations and Groundwater Depths to Water and Elevations (in feet)

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Well Elevation (TOC)		NA	150.42	150.79	148.27	149.39	148.62	149.63	149.16	149.41	149.12	150.09	150.22	150.66	150.6	148.32	149.03	149.63	149.2	149.14	150.02	150.67	148.42	149.9	150.64	150.83
														149.7												
Screened Interval (bg)		40 - 60	30 - 50	29 - 49	17 - 27	20 - 30	34 - 55	30.5-40.5	30.5-45.5	25 - 40	30 - 40	30 - 40	52 - 62	55 - 65	54 - 64	29 - 46	56 - 66	21 - 46	30 - 45	57 - 67	53 - 63	30 - 40	71 - 81	67 - 77	71 - 81	30 - 40
Screen Elevation																										
	Top	NA	120.42	121.79	121.27	119.39	114.62	119.13	118.66	124.41	119.12	120.09	98.22	95.66	95.6	119.32	93.03	128.63	119.2	92.14	97.02	120.67	77.42	82.9	79.64	120.83
	Bottom	NA	100.42	101.79	101.27	109.39	93.62	109.13	103.66	109.41	109.12	110.09	88.22	85.66	86.6	102.32	83.03	103.63	104.2	82.14	87.02	110.67	67.42	72.9	69.64	110.83
			20	20	20	10	21	10	15	15	10	10	10	10	10	17	10	25	15	10	10	10	10	10	10	10
Depth to Water (bg)																										
	Feb-94	30.05'	28.6	29.7	23.35	24.85	24.53																			
	Nov-00	35.62'	35.25	38.42	26.2	28.52	28.19																			
	Oct-01	37.41'	37.91	39.19	26.35	NA	28.7																			
	Nov-01	NA	NA	NA	26.36	28.85	NA																			
	Feb-02	36.2'	36.39	37.39	26.44	30.32	29.21																			
	Jun-02	37.92'	38.75	39.19	26.46	NA	30.07	30.91	30.96																	
	Oct-02	42.45'	43.66	44.66	26.48	30.28	34.11	32.68	34.7																	
	Dec-02	NA	43.19	44.22	26.28	FP only	34.03	33.62	34.67	32.63	32.71	33.26	41.65	43.06	43.63	33.69	40.44	33.06	33.33	41.11	42.34					
	Mar-03	NA	41.07	41.35	26.36	FP only	33.18	32.81	33.22	32.44	32.49	33.07	39.77	40.95	41.53	32.01	38.28	35.36	33.42	39.08	40.36					
	Jun-03	NA	39.98	39.95	26.35	FP only	30.44	30.85	31.1	30.41	30.15	31.05	37.85	38.2	39.62	29.99	36.41	33.13	38.3	37.05	38.5	35.8	34.23	37.73	39.22	36.7
	Sep-03	NA	NA	NA	26.41	FP only	NA	32.34	34.29	31.68	31.84	33.26	42.18	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.67	39.56	42.69	44.35	38.46
	Dec-03	NA	NA	NA	26.39	FP only	NA	34.55	36.96	33.71	33.73	34.3	45.12	46.72	46.84	36.65	43.47	42.73	38.65	44.53	45.44	Dry	42.66	45.69	47.35	39.6
	Mar-04	NA	NA	NA	26.41	FP only	NA	35.2	38.19	34.85	34.36	35.02	45.98	47.41	47.92	36.88	44.56	40.28	37.15	45.22	46.59	38.51	43.25	46.41	48.03	38.7
	Jun-04	NA	NA	NA	26.4	FP only	NA	35.42	39.15	35.08	35.38	35.2	46.81	48.31	48.49	38.36	45.15	45.74	37.23	46.29	47.48	39.92	44.24	47.32	48.95	39.25
	Sep-04	NA	NA	NA	26.42	FP only	NA	36.16	41.06	36.53	35.92	35.62	49.27	51.06	51.32	40.1	46.21	FP only	38.34	48.92	50.09	Dry	46.96	49.93	51.62	NA
	Dec-04	NA	NA	NA	26.47	29.6	NA	36.02	41.69	35.63	36.26	36.32	51.18	52.71	53.18	40.34	49.57	40.5	37.23	50.59	51.62	Dry	48.54	51.35	53.22	39.52
	Mar-05	NA	NA	NA	26.43	29.9	NA	34	37.62	33.41	34.66	33.67	46.36	46.5	47.98	36.27	45.68	29.3	35.88	45.33	46.85	31.55	43.6	46.88	48.38	33.17
	Jun-05	NA	NA	NA	Dry	29.9	NA	33.89	35.26	33.48	34.12	33.91	41.48	41.27	42.75	34.05	40.45	34.78	34.98	39.67	41.69	39.07	38.28	41.63	43.05	33.07
	Sep-05	NA	NA	NA	Dry	29.91	NA	33.73	32.52	33.46	33.75	34.06	39.3	39.43	41.01	31.61	37.7	35.09	34.18	38.47	39.68	39.14	36.45	39.82	41.29	38.04
	Dec-05	NA	NA	NA	26.59	29.90	NA	33.26	33.56	33.00	32.71	33.28	40.33	40.72	42.14	32.23	38.83	34.85	33.71	39.68	41.20	39.68	37.65	40.98	42.44	39.98
		*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Water Elevation																										
	Feb-94	NA	121.62	121.09	124.92	124.54	124.09																			
	Nov-00	NA	115.17	114.37	122.07	120.87	120.43																			
	Oct-01	NA	112.51	111.8	121.92	NA	119.92																			
	Nov-01	NA	NA	NA	121.91	120.54	NA																			
	Feb-02	NA	114.03	113.4	121.83	119.07	119.41																			
	Jun-02	NA	111.67	111.8	121.81	NA	118.55	118.72	118.18																	
	Oct-02	NA	106.76	106.13	121.79	119.11	114.51	116.95	114.46																	
	Dec-02	NA	107.23	106.57	121.99	NA	114.59	116.01	114.49	118.78	116.41	116.83	108.57	107.6	106.97	114.63	108.59	116.57	115.87	108.03	107.68					
	Mar-03	NA	109.35	109.44	121.91	NA	115.44	116.82	115.94	118.97	116.63	117.02	110.45	109.71	109.07	116.31	110.75	114.27	115.78	110.06	109.68					
	Jun-03	NA	110.44	110.64	121.92	NA	116.18	118.78	118.08	119	116.97	119.04	112.37	111.46	110.96	118.33	112.62	116.5		112.09	111.52	114.87	114.19	112.17	111.42	114.13
	Sep-03	NA	NA	NA	121.86	NA		117.29	114.87	117.73	117.28	116.83	106.06	106.87	106.41	114.84	108.38	111.26	115.91	107.57	107.34	110.6	108.87	107.21	106.29	112.38
	Dec-03	NA	NA	NA	121.86	NA		115.08	112.2	115.7	115.39	115.79	105.1	103.94	103.76	111.47	105.56	106.9	110.55	104.61	104.58		105.77	104.21	103.29	111.23
	Mar-04	NA	NA	NA	121.86	NA		114.43	110.97	114.56	114.76	115.07	104.24	103.25	102.86	111.44	104.47	109.35	112.05	103.92	103.43	112.16	105.17	103.49	102.61	114.13
	Jun-04				121.87			114.21	110.01	114.33	113.74	114.89	103.41	102.35	102.11	109.96	103.88	103.89	111.97	102.85	102.54	110.75	104.18	102.58	101.69	111.58
	Sep-04				121.85			113.45	108.11	112.88	113.2	114.27	100.95	99.6	99.28	108.22	100.82		110.86	100.22	99.93		101.44	99.97	99.02	
	Dec-04				121.8	119.59		113.61	107.47	113.78	112.86	113.77	99.04	97.95	97.42	107.96	99.46	109.13	111.97	98.55	98.4		99.88	96.55	97.42	111.31
	Mar-05				121.84	119.49		115.63	111.34	116	114.46	116.42	103.86	103.2	102.62	112.05	103.35	120.33	113.32	103.81	103.17	119.12	104.62	103.02	102.25	117.68
	Jun-05					119.48		115.74	113.99	115.92	115.00	116.16	106.74	108.43	107.85	114.27	108.58	114.85	114.22	109.47	106.33	111.60	110.14	106.27	107.59	117.76
	Sep-05					119.48		115.90	118.84	115.95	115.37	116.03	110.92	110.27	109.59	116.71	111.33	114.54	115.02	110.67	110.34	111.53	111.97	110.08	109.35	112.79
	Dec-05					119.49		116.37	115.80	116.41	116.41	116.81	109.89	108.98	108.46	116.09	110.20	114.78	115.49	109.46	108.82	110.79	110.77	108.92	108.20	111.85

ANCHEM1355

Table 2: TPH-gas and VOCs from Free Prodcut Sample Results using EPA Methods 8015 and 8260µg/L)							
	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Screened Interval (feet bg)		20-30	30.5-40.5	25-40	29-46	21-46	30-45
TPH-gas	Jun-02	8.E+08	8.E+08	NA	NA	NA	NA
	Dec-03	NA	NA	NA	4.55E+08	NA	4.25E+08
	Mar-04	NA	NA	446000	NA	NA	NA
VOCs							
Acetone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
Benzene	Oct-01	110,000*					
	Mar-04	NA	NA	<250,000	NA	<250,000	365,000
	Sep-04	NA	<100,000	<100,000	NA	NA	464,000
2-Butanone (MEK)	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
Chloroethane	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
1,1-Dichloroethane	Oct-01	592,000*					
	Mar-04	NA	NA	3,190,000	NA	1,590,000	625,000
	Sep-04	NA	4,040,000	5,740,000	NA	NA	1,326,000
1,2-Dichloroethane	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
1,1-Dichloroethene	Oct-01	417,000*					
	Mar-04	NA	NA	730,000	NA	928,000	4,840,000
	Sep-04	NA	782,000	710,000	NA	NA	5,860,000
cis 1,2-Dichloroethene	Oct-01	1,060,000*					
	Mar-04	NA	NA	1,530,000	NA	1,620,000	1,630,000
	Sep-04	NA	1,765,000	1,900,000	NA	NA	2,793,000
trans 1,2-Dichloroethene	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
1,4 Dioxane	Mar-04	NA	NA	<12,500,000	NA	<12,500,000	<12,500,000
	Sep-04	NA	<5,000,000	<5,000,000	NA	NA	<5,000,000
Ethylbenzene	Oct-01	4,320,000*					
	Mar-04	NA	NA	5,330,000	NS-FP	7,080,000	6,960,000
	Sep-04	NA	5,910,000	7,280,000	NA	NA	8,770,000

Table 2: TPH-gas and VOCs from Free Prodcut Sample Results using EPA Methods 8015 and 8260µg/L)							
VOCs	**Date**	**MW-6**	**MW-8**	**MW-10**	**MW-16**	**MW-18**	**MW-19**
Methylene Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
4-Methyl-2-pentanone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
Naphthalene	Oct-01	1,680,000*					
	Mar-04	NA	NA	1,980,000	NA	1,620,000	4,120,000
	Sep-04	NA	3,260,000	2,890,000	NA	NA	6,000,000
n-Propylbenzene	Mar-04	NS-FP	NS-FP	2,820,000	NA	3,230,000	2,980,000
	Sep-04	NA	3,787,000	3,700,000	NA	NA	4,240,000
Tetrachloroethene	Oct-01	531,000*					
	Mar-04	NA	NA	<500,000	NA	543,000	4,820,000
	Sep-04	NA	<200,000	<200,000	NA	NA	2,870,000
1,1,1-Trichloroethane	Oct-01	28,100,000*					
	Mar-04	NA	NA	8,870,000	NA	4,140,000	35,000,000
	Sep-04	NA	5,460,000	7,330,000	NA	NA	45,700,000
Trichloroethene	Oct-01	753,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	560,000
	Sep-04	NA	<200,000	<200,000	NA	NA	300,000
1,2,4-Trimethylbenzene	Oct-01	22,100,000*					
	Mar-04	NA	NA	31,900,000	NA	30,600,000	45,400,000
	Sep-04	NA	43,400,000	37,000,000	NA	NA	60,100,000
1,3,5-Trimethylbenzene	Oct-01	5,400,000*					
	Mar-04	NA	NA	8,560,000	NA	9,020,000	9,480,000
	Sep-04	NA	11,746,000	10,100,000	NA	NA	13,500,000
Toluene	Oct-01	9,010,000*					
	Mar-04	NA	NA	8,620,000	NA	15,300,000	11,400,000
	Sep-04	NA	9,010,000	15,200,000	NA	NA	16,400,000
Vinyl Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<100,000	<100,000	NA	NA	<100,000
Xylenes	Oct-01	10,370,000*					
	Mar-04	NA	NA	17,600,000	NA	22,500,000	16,000,000
	Sep-04	NA	21,400,000	26,300,000	NA	NA	22,100,000
NA= Not Analyzed.							
Blue= Chemicals stored on-site.							
Red= Transformation compounds.							

Table 3: Conductivity, pH, and TPH-gas Groundwater Sample Results using EPA Method 8015 (µg/L)

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Screened Interval (bg)		40-60	30-50	29-49	17-27	20-30	34-55	30.5-40.5	30.5-45.5	25-40	30-40	30-40	52-62	55-65	54-64	29-46	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40
Conductivity	Dec-02	NA	2011	2065	NA	NA	2710	NA	2331	2871	2686	1572	1374	1886	1821	2106	1885	2515	5977	1907	1746					
	Mar-03	NA	2094	1974	NA	NA	2768	NA	2325	4382	3793	1492	1802	1913	1816	2011	1892	2643	5912	1823	1695					
	Jun-03	NA	1783	1981	NA	NA	2882	NA	2406	4439	3245	1192	1832	1871	1851	1931	1913	2802	6017	1788	1790	2500	1200	1300	1300	3000
	Sep-03	NA	NA	NA	NA	NA	NA	NA	2540	3978	3560	1313	1904	2100	1948	2219	2530	3028	NS-FP	1986	1910	NS-NW	2265	1799	1883	NS-NW
	Dec-03	NA	NA	NA	NA	NA	NA	NA	2585	2850	3070	1387	1953	1984	1927	NS-FP	1981	2674	NS-FP	2192	1868	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2653	NS-FP	2582	1313	2060	1999	2073	NS-FP	1964	NS-FP	NS-FP	2166	2060	1663	NA	NA	NA	2302
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2474	NS-FP	2502	1270	1812	1784	1826	NS-FP	1897	NS-FP	NS-FP	1779	1807	NA	1117	1507	1807	2032
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2558	NS-FP	2374	1171	2014	1819	2032	NS-FP	1781	NS-FP	NS-FP	1997	1906	NA	NA	NA	NA	NS
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2075	NS-FP	1595	1016	1750	1509	1725	NS-FP	1663	NS-FP	NS-FP	1843	NS-FP	NS-NW	NA	NA	NA	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	3398	4211	NS-FP	3857	1915	1744	2122	2961	1906	2170	NS-FP	NS-FP	1796	NS-FP	2528	NA	NA	NA	3879
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	1575	2476	1595	2369	1226	1700	1985	1812	2118	1961	NS-FP	NS-FP	1888	1747	1505	NA	NA	NA	2280
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1579	2501	1457	1566	1168	1726	1840	1969	1977	1815	NS-FP	NS-FP	1862	1785	1426	NA	NA	NA	2192
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1986	2921	1870	1872	1175	1985	2223	2168	2362	2494	NS-FP	NS-FP	2296	NS-FP	NS-NW	NA	NA	NA	1998
pH	Dec-02	NA	6.83	6.82	NA	NA	6.75	NA	6.58	6.82	6.87	7.02	6.97	6.83	6.93	6.56	6.93	6.88	7.02	6.99	6.99					
	Mar-03	NA	6.6	6.9	NA	NA	6.7	NA	7	6.7	6.6	7.1	7.5	7	7.8	6.8	7.2	6.6	6.9	7.3	7.6					
	Jun-03	NA	6.9	6.7	NA	NA	6.6	NA	6.7	6.4	6.6	6.4	6.8	6.8	6.7	6.5	6.8	6.3	6.7	6.9	6.8	NA	NA	NA	NA	NA
	Sep-03	NA	NA	NA	NA	NA	NA	NA	6.61	6.55	6.52	6.49	6.93	6.9	6.75	6.7	6.85	6.23	NS-FP	6.79	6.77	NS-NW	6.64	6.74	6.67	NS-NW
	Dec-03	NA	NA	NA	NA	NA	NA	NA	6.9	6.6	6.7	7.4	6.9	7.1	7	NS-FP	7.1	6.4	NS-FP	7	6.8	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NA	7	7	6.8	6.8	6.7	NS-FP	6.7	NS-FP	NS-FP	6.7	6.8	6.4	NA	NA	NA	7
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NS-FP	6.6	6.9	6.9	6.7	6.7	NS-FP	6.9	NS-FP	NS-FP	6.8	6.7	NA	6.1	4.3	4.6	5.6
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.67	NS-FP	6.65	7	6.79	6.74	6.8	NS-FP	6.79	NS-FP	NS-FP	6.26	6.74	NA	NA	NA	NA	NS
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.9	NS-FP	6.6	6.9	6.6	6.8	6.6	NS-FP	6.4	NS-FP	NS-FP	6.5	NS-FP	NS-NW	NA	NA	NA	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	6.55	7.4	NS-FP	6.47	6.34	6.87	6.82	7.51	7.15	6.83	NS-FP	NS-FP	7.04	NS-FP	7.24	NA	NA	NA	6.94
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	6.59	6.39	6.39	6.6	6.3	6.42	7.48	6.49	6.52	7.66	NS-FP	NS-FP	6.49	6.8	6.62	NA	NA	NA	6.7
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	7.2	7	6.96	7	6.94	7.05	7.1	7.01	6.9	7	NS-FP	NS-FP	7.1	6.87	7	NA	NA	NA	6.69
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	7.04	6.78	6.93	6.65	6.85	6.92	7.03	6.81	6.75	6.97	NS-FP	NS-FP	7.03	NS-FP	NS-NW	NA	NA	NA	6.52
TPH-gas	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Nov-00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Oct-01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Feb-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Jun-02	724,000	14,600	22,500	NS-FP	Table 2	8,530	Table 2	22,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Oct-02	52,300	7,370	29,900	NS-FP	NS-FP	5,300	52300	1,730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Dec-02	NA	9,330	11,400	NS-FP	NS-FP	6,250	NS-FP	1,530	68,300	22,600	9,420	68	7,130	326	3,250	77	41,700	107,000	61	405					
	Mar-03	NA	15,600	12,200	NS-FP	NS-FP	3,470	NS-FP	2,500	85,100	24,700	1,730	<50	1,480	270	5,350	<50	83,900	177,000	52	745					
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,630	<50	<50	<50	26,400
	Sep-03	NA	NA	NA	NA	NA	NA	NA	1,280	69,600	30,200	1,300	106	89	226	1,480	<50	44,900	NA	<50	998	NS-NW	<50	<50	<50	59,200
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,280	77,200	51,500	5,390	64	521	790	Table 2	<50	40,600	Table 2	1080	2,140	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,430	Table 2	43,500	4,410	<50	154	1,680	NS-FP	<50	NS-FP	NS-FP	<50	2,650	3,060	NA	NA	NA	41,600
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,350	NS-FP	43,300	1,780	<50	120	172	NS-FP	<50	NS-FP	NS-FP	<50	511	NA	NA	NA	NA	NA
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,500	NS-FP	62,400	1,730	224	484	1,040	NS-FP	<50	NS-FP	NS-FP	<50	8,090	NS-NW	NA	NA	NA	NS
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,530	NS-FP	95,500	2,290	205	225	319	NS-FP	129	NS-FP	NS-FP	139	NS-FP	NS-NW	140	213	198	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	41,100	2,120	NS-FP	47,600	1,890	239	173	3,080	59,400	145	NS-FP	NS-FP	146	NS-FP	3,440	103	134	181	75,600
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	48,800	1,580	326,000	41,000	1,880	259	433	3,890	73,000	128	NS-FP	NS-FP	79.4	NS-FP	3,380	90.3	177	117	64,300
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	52,000	3,390	144,000	991,000	1,540	155	1,250	293	45,700	97.9	NS-FP	NS-FP	111	NS-FP	2,700	153	150	113	40,300
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	64,600	3,600	87,100	238,000	1,470	92.1	180	885	21,800	104	NS-FP	NS-FP	81.5	NS-FP	NS-NW	288	341	165	158,000

DTW= Depth to Water (below top of well casing).
NA= Not Analyzed.
NS-FP= Not Sampled Free Product present.
NS-NW= Not Sampled Not Enough Water present.
*= Abandoned Well.

Table 4: Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

	Date	MW-1[1]	MW-2[2]	MW-3[3]	MW-4	MW-6	MW-7[4]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Screened Interval (feet bgs)		40-80	30-50	29-49	17-27	20-30	34-55	30.5-40.5	30.5-45.5	25-40	30-40	30-40	52-62	55-65	54-64	29-46	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40
Depth to Water (feet)	Feb-94	30.05	28.8	29.7	23.35	24.85	24.53																			
DTW	Nov-00	35.62	35.28	36.42	26.2	28.52	28.19																			
	Oct-01	37.41	37.91	39.19	26.35	NA	28.7																			
	Nov-01	NA	NA	NA	26.36	28.85	NA																			
	Feb-02	36.2	36.39	37.39	26.44	30.32	29.21																			
	Jun-02	37.92	38.75	39.19	26.46	NA	30.07	30.91	30.98																	
	Oct-02	42.45	43.66	44.68	26.48	30.28	34.11	32.68	34.7																	
	Dec-02	NA	43.19	44.22	26.28	FP only	34.03	33.62	34.67	32.63	32.71	33.26	41.65	43.06	43.63	33.89	40.44	33.06	33.33	41.11	42.34					
	Mar-03	NA	41.07	41.35	26.36	FP only	33.19	32.61	33.22	32.44	32.49	33.07	39.77	40.95	41.53	32.01	38.28	35.36	33.42	39.06	40.38					
	Jun-03	NA	39.96	39.95	26.35	FP only	30.44	30.85	31.1	30.41	30.15	31.05	37.85	39.2	39.62	29.99	36.41	33.13	38.3	37.06	38.5	35.8	34.23	37.73	39.22	36.7
	Sep-03	NA	NA	NA	26.41	FP only	NA	32.34	34.29	31.88	31.84	33.28	42.16	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.97	39.55	42.69	44.35	38.45
	Dec-03	NA	NA	NA	26.39	FP only	NA	34.55	36.96	33.71	33.73	34.3	45.12	46.72	46.84	36.85	43.47	42.73	38.65	44.53	45.44	Dry	42.65	45.69	47.35	39.6
	Mar-04	NA	NA	NA	26.41	FP only	NA	35.2	38.19	34.85	34.36	35.02	45.98	47.41	47.92	36.88	44.56	40.28	37.15	45.22	46.59	38.51	43.25	46.41	48.03	36.7
	Jun-04	NA	NA	NA	26.4	FP only	NA	35.42	39.15	35.08	35.38	35.2	46.81	48.31	48.49	38.36	45.15	45.74	37.23	46.29	47.48	39.82	44.24	47.32	48.95	39.25
	Sep-04	NA	NA	NA	26.42	FP only	NA	36.16	41.05	36.53	35.92	35.82	49.27	51.06	51.32	40.1	48.21	FP only	38.34	48.82	50.09	Dry	46.98	49.93	51.62	NA
	Dec-04	NA	NA	NA	26.47	28.8	NA	36.02	41.69	35.63	36.26	36.32	51.18	52.71	53.18	40.34	49.57	40.5	37.23	50.59	51.82	Dry	48.54	51.35	53.22	39.52
	Mar-05	NA	NA	NA	26.43	28.9	NA	34	37.82	33.41	34.66	33.67	46.36	48.5	47.98	36.27	45.68	29.3	35.88	45.33	46.85	31.55	43.6	46.68	48.39	33.17
	Jun-05	NA	NA	NA	Dry	29.9	NA	33.89	35.26	33.49	34.12	33.91	41.48	41.27	42.75	34.05	40.45	34.78	34.98	39.67	41.69	39.07	38.28	41.63	43.05	33.07
	Sep-05	NA	NA	NA	Dry	29.91	NA	33.73	45.85	33.46	33.75	34.06	39.3	39.43	41.01	31.61	37.7	35.09	34.16	39.49	39.68	39.14	36.45	39.82	41.29	38.04
	Dec-05	NA	NA	NA	26.59	29.9	NA	33.26	33.56	33	32.71	33.28	40.33	40.72	42.14	32.23	39.83	34.85	33.71	39.68	41.2	39.88	37.65	40.98	42.44	38.98
VOCs																										
Acetone	Oct-01	<1,250	<250	<625	NS-NW	Table 2	1,190																			
	Feb-02	<625	<62.5	3,150	NS-FP	NS-FP	746																			
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																	
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	29,900	662	<125	<25	<625	<250	<1,250	<25	26,000	70,000	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	25,600	6,760	<250	<25	<625	<250	<625	<25	39,700	70,200	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	46,400	13,600	<125	<25	<25	<62.5	<125	<25	62,700	105,000	<62.5	<5	<250	<25	<25	<25	34,100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	73,000	6,950	<12.5	<5	<5	<10	<125	<5	44,200	NS-FP	<5	<25	NS-NW	<5	<5	<5	24,500
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	19,200	2,240	<12.5	<5	<10	<12.5	NS-FP	<5	32,400	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	33,000	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	10,200
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	868	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	7,220
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	566	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SW	<5 SW	<5 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	151,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	7,170
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	6,950	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	64,200
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,300	160	2,290	1,130	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	23,600
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	42	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SW	<5 SW	<5 SW	9,440
Benzene	Feb-94	194	<100	63	111	795	46																			
	Nov-00	<2,500	61	73	NS-FP	NS-FP	65																			
	Oct-01	125	105	110	NS-NW	Table 2	55																			
	Feb-02	231	204	108	NS-FP	NS-FP	83.2																			
	Jun-02	300	222	125	NS-FP	NS-FP	<5	NS-FP	90.8																	
	Oct-02	245	177	99.2	NS-FP	NS-FP	121	NS-FP	893																	
	Dec-02	NA	180	137	NS-FP	NS-FP	<25	NS-FP	85.2	<500	431	19.5	1	<25	<10	79	<1	610	1,160	<1	7.9					
	Mar-03	NA	172	127	NS-FP	NS-FP	62.6	NS-FP	54	302	974	13.3	<1	<25	<10	82.5	<1	<500	1,100	<1	9					
	Jun-03	NA	<100	<200	NS-FP	NS-FP	61	NS-FP	64.4	250	520	<5	<1	<1	5.7	97.5	<1	392	1,390	<2.5	18	13.5	<1	<1	<1	125
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	75	340	775	5.5	<1	5.5	5.6	72	<1	380	NS-FP	<1	53	NS-NW	<1	<1	<1	270
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2.1	292	768	9.1	<1	14.8	12.9	NS-FP	<1	415	NS-FP	1.3	64	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	29.3	Table 2	935	7.5	<1	4.5	36.1	NS-FP	<1	Table 2	Table 2	<1	92.7	34	Table 5	Table 5	Table 5	225
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	26.8	NS-FP	715	2.2	<1	1.9	3.4	NS-FP	<1	NS-FP	NS-FP	<1	5	NS-NW	<1	<1	<1	142
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	23.9	NS-FP	709	0.6	<1	3.2	14.6	NS-FP	<1	NS-FP	NS-FP	<1	116	NS-NW	<1	<1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	17	NS-FP	1,040	<1	<1	<2	1.8	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	254	28	NS-FP	423	<2.5	<1	1.1	22.4	61.3	<1	NS-FP	NS-FP	<1	NS-FP	26.2	<1 SW	<1 SW	<1 SW	174
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	268	30.4	<200	449	<1	<1	4.1	55.2	102	<1	NS-FP	NS-FP	<1	NS-FP	25	<1 SW	<1 SW	<1 SW	170
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	428	41.7	<250	611	<1	<1	53.3	7.1	67.8	<1	NS-FP	NS-FP	<1	NS-FP	27.8	<1 SW	<1 SW	<1 SW	150
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	288	36.4	<250	524	<1	<1	<2	27.5	67.2	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	257

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[2]	MW-3[3]	MW-4	MW-6	MW-7[4]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
2-Butanone (MEK)	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	3,100	<10,000	<10,000	NS-FP	NS-FP	1,400																			
	Oct-01	<1,250	<250	500	NS-NW	Table 2	980																			
	Feb-02	<625	<62.5	<500	NS-FP	NS-FP	<50																			
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																	
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	15,300	1,180	<125	<25	<625	<250	<1,250	<25	9,300	18,500	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	21,100	15,600	<250	<25	<625	<250	<625	<25	23,900	28,900	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	20,200	5,860	<125	<25	<25	<62.5	<125	<25	29,800	43,800	<62.5	<5	<250	<25	<25	<25	11,300
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	58,000	5,680	<12.5	<5	<5	<10	<125	<5	32,000	NS-FP	<5	<25	NS-NW	<5	<5	<5	11,000
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	4,060	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	23,700	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	13,600	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,050
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	2,260
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SM	<5 SU	<5 SU	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	16,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SU	<5 SU	9,250
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SU	<5 SU	10,500
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SM	<5 SU	<5 SU	1,800
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SM	<5 SU	<5 SU	4,120
Chloroethane	Feb-02	<125	119	<100	NS-FP	NS-FP	17																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	248	NS-FP	<25	<1,000	989	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	4,500	11,500	NS-FP	NS-FP	311	NS-FP	<20	5,000	760	<10	<2	<2	<5	<50	<2	1,970	2,680	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	940	1,700	<5	<2	<2	<4	<50	<2	460	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	626	1,550	<5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	4,670	<5	<2	<2	49.4	NS-FP	<2	Table 2	Table 2	<2	<5	104	Table 5	Table 5	Table 5	2,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	3,960	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	3,060	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	3,400	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SU	<2 SU	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	143	6.8	NS-FP	14,410	<5	<2.5	<2	10.9	128	<2	NS-FP	NS-FP	<2	NS-FP	104	<2 SM	<2 SU	<2 SU	<100
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	48	<20	<400	1,390	7.7	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	97.8	<2 SM	<2 SU	<2 SU	<100
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	1040	2,700	18.8	<2	<4	9.6	<40	<2	NS-FP	NS-FP	<2	NS-FP	42.6	<2 SM	<2 SU	<2 SU	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	111	<20	888	2,610	<2	<2	<4	30.4	<40	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SU	<2 SU	<100
1,1-Dichloroethane	Feb-94	649	1,130	85	1410	2,260	2,130																			
(1,1-DCA)	Nov-00	17,000	1,800	800	NS-FP	NS-FP	2,800																			
	Oct-01	8,190	1,500	1,030	NS-NW	Table 2	2,670																			
	Feb-02	20,600	2,310	1,350	NS-FP	NS-FP	5,490																			
	Jun-02	16,900	2,700	1,340	NS-FP	NS-FP	4,150	NS-FP	1,210																	
	Oct-02	10,400	2,550	1,130	NS-FP	NS-FP	5,680	NS-FP	1,390																	
	Dec-02	NA	1,920	1,190	NS-FP	NS-FP	3,530	NS-FP	1,190	42,400	19,400	3,930	17.3	171	79.8	3,930	13	4,390	5,150	16.2	141					
	Mar-03	NA	2,180	1,710	NS-FP	NS-FP	3,750	NS-FP	1,020	41,900	48,800	1,600	6.4	150	117	3,130	2.5	6,700	5,110	18	276					
	Jun-03	NA	1,140	1,020	NS-FP	NS-FP	3,470	NS-FP	1,480	51,700	37,800	354	11.5	<2	107	3,330	<2	9,820	6,840	47.6	535	1,200	<2	<2	<2	931
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,950	47,400	43,000	506	<2	101	88	4,450	<2	7,040	NS-FP	28.5	1,370	NS-NW	3.1	<2	5	1,670
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	50	53,500	49,200	735	2.3	218	262	NS-FP	<2	5,440	NS-FP	123	2,300	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	965	Table 2	52,700	485	2.5	110	672	NS-FP	<1	Table 2	Table 2	89.2	2,240	1,900	Table 5	Table 5	Table 5	3,620
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	910	NS-FP	55,000	300	8.8	45.8	53.6	NS-FP	4.3	NS-FP	NS-FP	12.8	203	NS-NW	<1	<1	<1	1,750
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	628	NS-FP	29,400	160	2.8	151	168	NS-FP	<1	NS-FP	NS-FP	2.5	2,760	NS-NW	2.9	52.1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	498	NS-FP	85,300	156	17.4	101	101	NS-FP	<1	NS-FP	NS-FP	1.9	NS-FP	NS-NW	<1 SM	<1 SU	<1 SU	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	22,300	1,230	NS-FP	34,800	191	15.5	83.6	693	3,030	<1	NS-FP	NS-FP	7.7	NS-FP	1,390	9.4 SM	2.3 SU	<1 SU	1,670
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	23,000	1,640	44,000	27,900	49.1	11.5	181	961	2,590	<1	NS-FP	NS-FP	7.3	NS-FP	1,620	6.3 SM	1 SU	<1 SU	2,010
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	45,000	2,570	46,600	45,200	63.4	8.9	151	108	4,090	<1	NS-FP	NS-FP	17.4	NS-FP	1,870	4.0 SM	5.4 SU	<1 SU	2,230
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	33,000	2,430	33,100	34,100	20.5	5.5	77.2	292	3,990	<1	NS-FP	NS-FP	27.1	NS-FP	NS-NW	51.5 SM	5.9 SU	<1 SU	2,300

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[1]	MW-3[1]	MW-4	MW-5	MW-7[2]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
1,2-Dichloroethane	Feb-94	<100	<100	<50	<100	1,140	31																			
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	43.4																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	28	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	11.5	<1,000	228	<50	<5	<125	<50	57.5	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	103	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	9.2	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	130	<5	<2	5	2.1	NS-FP	<2	Table 2	Table 2	<2	17.5	11.7	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.6	NS-FP	45	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	1.8	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	6	<2	NS-FP	<2	NS-FP	NS-FP	<2	18.3	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<200	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	6.1 SW	13.9 SW	2.4 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<5	NS-FP	<200	<5	<2	<2	<2	43	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<400	<200	<2	<2	6.4	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	<500	<200	<2	<2	3.9	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	<20	<500	<200	<2	<2	<2	<3	42.6	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	<100
1,1-Dichloroethere (1,1-DCE)	Feb-94	2,210	2,460	2,800	806	1,240	151																			
	Nov-00	3,000	<500	2,900	NS-FP	NS-FP	350																			
	Oct-01	1,200	1,120	4,090	NS-NW	Table 2	355																			
	Feb-02	4,050	1,480	3,900	NS-FP	NS-FP	778																			
	Jun-02	4,900	2,090	2,690	NS-FP	NS-FP	423	NS-FP	1,540																	
	Oct-02	3,800	2,100	176	NS-FP	NS-FP	547	NS-FP	1,820																	
	Dec-02	NA	2,230	196	NS-FP	NS-FP	538	NS-FP	1,460	2,640	3,460	154	38.5	142	52.4	1,530	16.6	6,850	17,700	25.6	207					
	Mar-03	NA	2,490	1,410	NS-FP	NS-FP	213	NS-FP	1,100	2,550	2,940	16.5	16.8	125	60.6	2,470	17.1	5,290	18,600	16.5	280					
	Jun-03	NA	1,490	2,370	NS-FP	NS-FP	364	NS-FP	1,290	3,370	1,480	29.2	44.2	29.8	124	3,500	16	4,610	24,200	246	755	155	2	<2	4.2	2,340
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,620	1,760	1,050	14.5	27.2	274	98	2,470	14.2	4,260	NS-FP	45.7	1,800	NS-NW	<2	<2	<2	5,600
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	43.5	2,750	1,810	7.3	10.8	675	234	NS-FP	7.8	4,170	NS-FP	43.8	1,960	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,260	Table 2	520	7.3	6.7	264	725	NS-FP	3.8	Table 2	Table 2	21	2,540	440	Table 5	Table 5	Table 5	7,740
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,100	NS-FP	435	4.5	30.7	96.9	40.5	NS-FP	24.7	NS-FP	NS-FP	78.1	299	NS-NW	9.7	15.6	7.9	8,150
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	909	NS-FP	434	4.5	13.9	348	198	NS-FP	2.9	NS-FP	NS-FP	10.5	2,730	NS-NW	0.7	1.7	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	731	NS-FP	360	1.8	22.7	165	70.2	NS-FP	5.5	NS-FP	NS-FP	14.6	NS-FP	NS-NW	3.2 SW	8.6 SW	9.0 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,690	1,240	NS-FP	339	5.7	34.9	140	945	1,840	10.2	NS-FP	NS-FP	12.1	NS-FP	564	<2 SW	17.7 SW	17.5 SW	8,040
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	12,580	1,260	2,750	418	<2	34.9	396	658	1,370	7.1	NS-FP	NS-FP	18.7	NS-FP	441	<2 SW	16.5 SW	5.3 SW	9,250
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,960	2,200	1,530	911	<2	46.7	452	142	3,430	15.2	NS-FP	NS-FP	41.8	NS-FP	526	57.8 SW	22.9 SW	10.3 SW	11,100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,100	2,000	1,170	800	<2	49.8	262	89.1	3,490	11.3	NS-FP	NS-FP	57.4	NS-FP	NS-NW	636 SW	50.6 SW	8.2 SW	9,210
cis 1,2-Dichloroethene (cis 1,2-DCE)	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	20,000	9,500	5,700	NS-FP	NS-FP	210																			
	Oct-01	10,300	9,150	7,000	NS-NW	Table 2	194																			
	Feb-02	29,100	11,100	7,860	NS-FP	NS-FP	268																			
	Jun-02	31,100	14,800	6,860	NS-FP	NS-FP	238	NS-FP	612																	
	Oct-02	20,700	10,400	212	NS-FP	NS-FP	311	NS-FP	736																	
	Dec-02	NA	11,800	595	NS-FP	NS-FP	265	NS-FP	630	23,300	8,700	180	46.5	664	332	975	36	18,100	11,800	9.3	324					
	Mar-03	NA	11,300	3,090	NS-FP	NS-FP	225	NS-FP	483	20,900	10,100	18.6	17.6	363	496	1,150	7.1	21,200	11,100	6.9	543					
	Jun-03	NA	2,270	5,220	NS-FP	NS-FP	214	NS-FP	552	24,600	8,740	24.8	40	5.8	617	1,540	2.2	23,900	13,000	7	1,060	3,860	<2	<2	<2	939
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	648	9,290	6,950	8	25.2	49	436	998	<2	15,900	NS-FP	4.8	2,450	NS-NW	8.7	<2	2.4	2,130
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	21.3	17,200	1,830	5.1	10.8	113	1,570	NS-FP	<2	14,500	NS-FP	26.7	4,400	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	391	Table 2	5,650	3.8	11.2	69.8	2,890	NS-FP	2.2	Table 2	Table 2	18.8	4,090	8,020	Table 5	Table 5	Table 5	5,130
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	370	NS-FP	4,150	<4	35	36.9	102	NS-FP	8.7	NS-FP	NS-FP	4	437	NS-NW	2.8	16.2	1.8	6,550
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	327	NS-FP	3,730	1.6	16.7	110	790	NS-FP	1.5	NS-FP	NS-FP	3.7	5,370	NS-NW	8	4.6	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	315	NS-FP	13,600	2	31.7	79.2	72.2	NS-FP	10.1	NS-FP	NS-FP	5.5	NS-FP	NS-NW	4.5 SW	5.9 SW	2.2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	5,080	340	NS-FP	3,540	<5	18.3	55.3	3,450	2,260	8.7	NS-FP	NS-FP	7.5	NS-FP	3,040	4.2 SW	6.5 SW	5.0 SW	5,900
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	5,490	413	9,860	4,410	3.4	23.7	109	3,830	1,510	5.2	NS-FP	NS-FP	2.3	NS-FP	3,260	2.3 SW	3.2 SW	2.6 SW	9,950
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	9,740	636	6,800	9,240	3	18	84.3	176	2,800	3.6	NS-FP	NS-FP	7.7	NS-FP	3,280	6.1 SW	5.0 SW	3.4 SW	11,200
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	5,890	594	4,380	5,350	4.4	11.3	56.9	285	4,110	3	NS-FP	NS-FP	7.3	NS-FP	NS-NW	24.9 SW	14.5 SW	2.7 SW	10,600

ANCHEM1361

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[T]	MW-2[T]	MW-3[T]	MW-4	MW-6	MW-7[T]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
trans 1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	12	NS-NW	<2	<2	<2	120
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	29.4	NS-FP	<2	Table 2	Table 2	<2	14.5	32.3	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	24	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<200	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<5	NS-FP	<200	<5	<2	<2	<2	<50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<400	<200	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	<100
1,4 Dioxane	Oct-02				NS-FP	NS-FP		NS-FP																		
	Dec-02	NA	<5,000	<5,000	NS-FP	NS-FP	11,500	NS-FP	6,540	<50,000	<2,500	<500	<100	<2,500	<1,000	16,500	<100	<10,000	<50,000	176	<500					
(* = Analyzed using	Mar-03	NA	<10,000	<5,000	NS-FP	NS-FP	21,900	NS-FP	7,200	<10,000	<5,000	<250	29	<625	<250	6,850	<25	<25,000	<25,000	112	<125					
EPA Method 8270)	Jun-03	NA	<5,000	<10,000	NS-FP	NS-FP	22,300	NS-FP	12,800	<10,000	<10,000	<250	<50	<50	<125	12,000	<50	<10,000	<25,000	<125	<50	<500	<50	<50	<50	<2,500
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	7,150	<10,000	<1,250	<125	<50	<50	<100	<1,250	<50	<5,000	NS-FP	88	<250	NS-NW	<50	<50	<50	<2,500
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	<10,000	<10,000	<125	<50	<100	<125	NS-FP	<50	<5,000	NS-FP	<50	<1,000	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<500	Table 2	546*	<125	<50	38.8*	54.4*	NS-FP	<50	Table 2	Table 2	<50	314*	936*	Table 5	Table 5	Table 5	816*
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4,000*	NS-FP	416*	2.9*	<2*	93*	8.4*	NS-FP	<2*	NS-FP	NS-FP	5.3*	28*	NS-NW	NA	NA	NA	NA
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,310*	NS-FP	304*	<2*	<2*	276*	90*	NS-FP	<2*	NS-FP	NS-FP	<2*	676*	NS-NW	<200	<200	<200	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	468*	NS-FP	<2*	<2*	<2*	51*	42*	NS-FP	<2*	NS-FP	NS-FP	<2*	NS-FP	NS-NW	NA	NA	NA	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	101*	2670*	NS-FP	847*	<2*	<2*	63.9*	336*	16.6*	<2*	NS-FP	NS-FP	7.9*	NS-FP	123*	NA	NA	NA	311*
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	190*	3,550*	26	230	<2*	7.9*	472*	333*	1,760*	<2*	NS-FP	NS-FP	6*	NS-FP	NA	NA	NA	NA	395*
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	5,110	28,700	<500	<200	<2*	9*	701	39.7	13,500	2*	NS-FP	NS-FP	40.2*	NS-FP	576	<50	<50	<50	<2500
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	187*	24,100	124*	<200	<2*	<2*	<100	51.1	10,300	<2*	NS-FP	NS-FP	96.5*	NS-FP	NS-NW	<50	<50	<50	<2500
Ethylbenzene	Feb-94	333	1,720	115	1,180	1,910	45																			
	Nov-00	960	120	1,000	NS-FP	NS-FP	82																			
	Oct-01	805	197	1,550	NS-NW	Table 2	107																			
	Feb-02	875	115	1,360	NS-FP	NS-FP	94.4																			
	Jun-02	1,450	147	1,470	NS-FP	NS-FP	124	NS-FP	<1																	
	Oct-02	864	469	945	NS-FP	NS-FP	213	NS-FP	<1																	
	Dec-02	NA	590	1,150	NS-FP	NS-FP	50	NS-FP	<5	1,480	967	270	<1	334	<10	<50	<1	425	1,710	<1	<5					
	Mar-03	NA	614	982	NS-FP	NS-FP	100	NS-FP	<5	1,280	1,650	200	<1	25.3	<10	<25	<1	1,050	2,270	<1	<5					
	Jun-03	NA	<100	722	NS-FP	NS-FP	85.3	NS-FP	<10	1,400	940	11.1	<1	<1	<2.5	<25	<1	1,010	2,480	<2.5	31	<10	<1	<1	<1	1,820
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	1,360	1,010	52.5	2	<1	<2	<25	<1	740	NS-FP	<1	5.5	NS-NW	<1	<1	<1	2,900
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	1,450	1,140	157	<1	<2	<2.5	NS-FP	<1	690	NS-FP	<1	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	1,080	254	<1	<1	6.7	NS-FP	<1	Table 2	Table 2	<1	6.8	<2	Table 5	Table 5	Table 5	3,180
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	833	74.4	<1	<1	2.5	NS-FP	<1	NS-FP	NS-FP	<1	<2	NS-NW	<1	<1	<1	2,830
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,160	160	<1	<1	4.7	NS-FP	<1	NS-FP	NS-FP	<1	9.4	NS-NW	<1	<1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,360	84.8	<1	<2	<1	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,270	<2.5	NS-FP	860	61	<1	<1	2.4	342	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SW	<1 SW	<1 SW	3,060
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	1,230	<10	1,990	1,060	42.7	<1	<1	<20	323	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SW	<1 SW	<1 SW	3,530
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,120	16.5	1,260	1,360	21.2	<1	46.6	1.8	221	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SW	<1 SW	<1 SW	1,950
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,780	<10	1,820	1,650	10.3	<1	<4	7.2	242	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	2,070

ANCHEM1362

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[1]	MW-3[1]	MW-4	MW-6	MW-7[1]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Methylene Chloride	Feb-94	1,220	2,980	6,530	4,760	21,400	<50																			
	Nov-00	1,100	180	5,600	NS-FP	NS-FP	180																			
	Oct-01	<1,250	<250	<625	NS-NW	Table 2	<125																			
	Feb-02	<250	18.5	3,980	NS-FP	NS-FP	<20																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	1,630	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	12,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	12,600	<5	<2	113	<2	<2	<2	10,600
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	14,600
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	<10	6.6	Table 5	Table 5	Table 5	9,300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	11,900
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<200	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<5	NS-FP	<200	<5	<2	<2	<2	<50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	4,730
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<400	<200	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	5,050
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	8,500
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	10,000
4-Methyl-2-pentanone (MIBK)	Oct-01	<1,250	<250	4,130	NS-NW	Table 2	625																			
	Feb-02	<625	<62.5	3,470	NS-FP	NS-FP	376																			
	Jun-02	<1,250	<2,500	2,850	NS-FP	NS-FP	388	NS-FP	<500																	
	Oct-02	<2,500	<250	1,410	NS-FP	NS-FP	276	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	<12,500	3,540	<125	<25	<625	<250	<1,250	<25	<2,500	<12,500	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	8,160	3,880	<250	<25	<625	<250	<625	<25	7,400	10,100	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	6,020	5,340	<125	<25	<25	<62.5	<125	<25	12,600	14,400	<62.5	<5	<250	<25	<25	<25	9,250
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	10,900	1,370	<12.5	<5	<5	<10	<125	<5	4,100	NS-FP	<5	<25	NS-NW	<5	<5	<5	7,350
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	3,120	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	1,330	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	<250	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,600
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	5,320
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SW	<5 SW	<5 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	1,200	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	5,560
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	4,880
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	370	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 SW	<5 SW	<5 SW	4,190
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 SW	<5 SW	<5 SW	7,120
Naphthalene	Oct-01	185	76	<125	NS-NW	Table 2	85																			
	Feb-02	196	64	122	NS-FP	NS-FP	74.8																			
	Jun-02	<250	89.4	178	NS-FP	NS-FP	116	NS-FP	<100																	
	Oct-02	<500	62.2	59.2	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	97	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	206	NS-FP	NS-FP	110	NS-FP	<25	566	222	134	89.4	<125	27.5	55.3	116	1,130	1,810	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	80.3	NS-FP	<20	460	<400	<10	<2	<2	<5	<50	<2	276	3,250	<5	<2	<20	<2	<2	<2	135
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	22	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	125
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	113	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	20	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	163	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	53.5	6.6	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	129	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	102
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	157	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	70	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<500	66.9	<2	<4	<2	NS-FP	2.4	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	440	<5	NS-FP	<200	44.2	<2	<2	<2	909	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	150
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	390	<20	1,620	<200	41.6	<2	<2	<40	615	<2	NS-FP	NS-FP	<2	NS-FP	<2	<2 SW	<2 SW	<2 SW	194
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	799	<20	1,130	318	27.7	<2	4.7	<2	594	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	282	<20	395	172	15.1	<2	<2	<2	349	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	140

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[2]	MW-3[2]	MW-4	MW-6	MW-7[2]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
n-Propylbenzene	Jun-02	<250	28.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	44.2	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	259	89.5	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	462	191	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	303	45	<2	<2	<4	<50	<2	<200	NS-FP	<2	10.5	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	123	<2	<4	<5	NS-FP	<2	230	NS-FP	22.9	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	355	237	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	14.3	<4	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	210	142	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	230	184	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	13.4	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	327	128	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	117	<5	NS-FP	220	122	<2	<2	<2	81	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	132	<20	<400	<200	117	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<20	<2 SW	<2 SW	<2 SW	<100
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	177	<20	<500	270	139	<2	6.6	<2	48.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	232	<20	1,690	248	105	<2	<4	<2	30.6	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	170
Tetrachloroethene	Feb-94	662	2,150	5,370	3,320	2,130	134																			
(PCE)	Nov-00	<2,500	<500	130	NS-FP	NS-FP	<500																			
	Oct-01	<100	<20	130	NS-NW	Table 2	100																			
	Feb-02	20	3.3	302	NS-FP	NS-FP	6.2																			
	Jun-02	24.8	<500	133	NS-FP	NS-FP	<25	NS-FP	122																	
	Oct-02	<200	<20	39.3	NS-FP	NS-FP	<100	NS-FP	190																	
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	204	<1,000	<50	<10	87.1	<50	<20	288	8.1	534	1,240	9.7	53.1					
	Mar-03	NA	<400	411	NS-FP	NS-FP	<50	NS-FP	136	<400	<200	<20	11	<50	<20	350	25	<1,000	1,480	3.3	17.8					
	Jun-03	NA	258	318	NS-FP	NS-FP	<50	NS-FP	132	<400	<400	<10	181	21.8	29.5	485	35.9	<400	1,480	48.9	<2	<20	4	4.1	12.3	1,920
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	131	<400	<50	12.5	145	28.3	36	273	15.1	<200	NS-FP	16.3	232	NS-NW	4.1	10.7	51	2,930
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.5	<400	<400	3.8	36.3	42.4	12.1	NS-FP	18	<200	NS-FP	3.4	133	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	149	Table 2	<100	3.8	51.4	42	63.2	NS-FP	36.2	Table 2	Table 2	9.3	347	4	Table 5	Table 5	Table 5	4,160
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	126	NS-FP	<100	2.8	177	41.6	53.1	NS-FP	37.6	NS-FP	NS-FP	25	226	NS-NW	34.5	120	31.7	1,630
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	123	NS-FP	<50	3	239	40.5	56.5	NS-FP	20.4	NS-FP	NS-FP	35.6	491	NS-NW	1.7	<2	3.6	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	57.9	NS-FP	<200	<2	58.8	19.2	38.2	NS-FP	81.1	NS-FP	NS-FP	27.1	NS-FP	NS-NW	52.1 SW	75.1 SW	86.1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	98.6	NS-FP	<200	5.4	56.9	23.7	87.6	88.8	117	NS-FP	NS-FP	108	NS-FP	<40	68.1 SW	74.7 SW	48.6 SW	2,840
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	149	<400	<200	6.8	43.7	47.5	45.6	173	72.4	NS-FP	NS-FP	39.8	NS-FP	<40	48.1 SW	47.2 SW	51.6 SW	2,960
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	137	<500	<200	5.9	40.1	64.8	89.6	369	76.6	NS-FP	NS-FP	85.3	NS-FP	<40	124 SW	52.1 SW	63.7 SW	1,070
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	152	<500	<200	4.2	28.4	25.7	26.6	209	38.3	NS-FP	NS-FP	21.3	NS-FP	NS-NW	19.3 SW	86 SW	41 SW	2,160
1,1,1-Trichloroethane	Feb-94	9,370	3,470	444	36,200	114,000	90																			
(1,1,1-TCA)	Nov-00	<2,500	<500	70	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	92																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	32.3	13,800	52.8	21	<5	230	<50	<250	6	1,150	21,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	35	12,300	<500	14	1.4	77.5	<50	33.5	9.5	665	37,800	<5	14					
	Jun-03	NA	160	<400	NS-FP	NS-FP	<50	NS-FP	18.8	8,430	<400	19	<2	3.4	10.7	42.5	<2	280	61,200	25	70	<20	<2	<2	<2	1,250
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	4,510	<50	8.7	<2	8.9	6.4	<50	8	420	NS-FP	8.6	150	NS-NW	<2	<2	<2	1,790
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	7,460	852	10.7	<2	<4	<5	NS-FP	2.2	1,130	NS-FP	61.7	132	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	11.1	Table 2	170	8.3	<2	<2	7.7	NS-FP	<2	Table 2	Table 2	20.9	188	<4	Table 5	Table 5	Table 5	7,350
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	24	NS-FP	250	2.5	<2	<2	4.5	NS-FP	7.4	NS-FP	NS-FP	3.4	13.5	NS-NW	3.4	<2	<2	5,730
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.9	NS-FP	485	2.4	<2	<2	5.2	NS-FP	<2	NS-FP	NS-FP	3.2	312	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.8	NS-FP	290	<2	<2	<4	2.2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	321	14.4	NS-FP	158	<5	<2	<2	<2	50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	3,900
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	302	<20	1,410	117	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	6,200
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	527	<20	1,040	<200	<2	2.3	<4	<2	49.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	3,980
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	71.1	<20	2,570	<200	<2	<2	<4	<2	83.2	<2	NS-FP	NS-FP	2.2	NS-FP	NS-NW	16.3 SW	5.2 SW	<2 SW	4,710

ANCHEM1364

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[1]	MW-3[1]	MW-4	MW-6	MW-7[1]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Trichloroethene	Feb-94	7,160	3,040	1,730	14,300	1,320	45																			
(TCE)	Nov-00	<2,500	<500	1,500	NS-FP	NS-FP	<500																			
	Oct-01	<100	<20	100	NS-NW	Table 2	<10																			
	Feb-02	20	2.5	260	NS-FP	NS-FP	6.8																			
	Jun-02	<250	<500	134	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<200	<20	28	NS-FP	NS-FP	<100	NS-FP	56.6																	
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	50.4	<1,000	<50	<10	77.2	<50	<20	274	3	946	1,740	2.9	55.7					
	Mar-03	NA	<400	1,930	NS-FP	NS-FP	<50	NS-FP	39	<400	<200	<20	28.8	<50	134	400	7.4	610	2,360	1.5	31.7					
	Jun-03	NA	182	806	NS-FP	NS-FP	<50	NS-FP	41.9	<400	<400	<10	72.7	4	13.6	436	6.5	176	3,820	10	95	<20	2.3	2.3	20.4	1,330
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	47	<400	<50	7.5	96.2	12.1	16	2,530	3.9	<200	NS-FP	6.2	180	NS-NW	<2	11.5	25	2,100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1.7	<400	<400	<5	47	22.6	9.3	NS-FP	7.3	169	NS-FP	4.4	140	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	37.2	Table 2	<100	<5	18.5	16.1	17.9	NS-FP	9.5	Table 2	Table 2	2.5	240	<4	Table 5	Table 5	Table 5	3,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	29.6	NS-FP	<100	<4	52.7	<2	21.5	NS-FP	9.1	NS-FP	NS-FP	6.7	106	NS-NW	22.9	85.7	42.9	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	28.3	NS-FP	<50	<4	39.2	19.8	12.1	NS-FP	17.3	NS-FP	NS-FP	12.2	321	NS-NW	<2	<2	3.7	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	21.4	NS-FP	<200	<2	24.3	24.2	47	NS-FP	29.3	NS-FP	NS-FP	14.6	NS-FP	NS-NW	27.7 SW	33.9 SW	85.2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	31.9	NS-FP	<200	<5	134	9.6	49.7	164	23.8	NS-FP	NS-FP	25	NS-FP	<40	35.3 SW	51.9 SW	101 SW	3,560
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	19	<400	<200	<2	54.9	14.4	<40	107	21.2	NS-FP	NS-FP	8.6	NS-FP	<40	31.2 SW	74.0 SW	46.9 SW	5,050
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	114	<500	<200	2.2	120	23.5	23.5	271	25.8	NS-FP	NS-FP	21.2	NS-FP	<40	50.1 SW	100 SW	63.8 SW	2,540
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	88.1	<500	<200	1.3	28.9	15.3	5.5	180	18.9	NS-FP	NS-FP	12.9	NS-FP	NS-NW	19.3 SW	86 SW	41 SW	2,160
1,2,4-Trimethylbenzene	Oct-01	1,590	18.9	345	NS-NW	Table 2	200																			
	Feb-02	2,800	231	668	NS-FP	NS-FP	234																			
	Jun-02	3,850	<500	818	NS-FP	NS-FP	238	NS-FP	<100																	
	Oct-02	2,120	116	299	NS-FP	NS-FP	327	NS-FP	<25																	
	Dec-02	NA	232	356	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	2,120	1,640	<5	270	<50	<250	<5	1,880	2,500	<5	<25					
	Mar-03	NA	380	441	NS-FP	NS-FP	225	NS-FP	<25	1,590	2,950	703	<5	30	<50	238	238	2,490	4,660	<5	<25					
	Jun-03	NA	<200	376	NS-FP	NS-FP	152	NS-FP	<20	1,740	1,400	20	<2	<2	<5	<50	<2	2,070	8,090	19.5	18.5	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	1,430	1,830	110	<2	<2	<4	<50	<2	1,680	NS-FP	<2	20.5	NS-NW	<2	<2	<2	555
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	1,640	1,562	498	<2	<4	<5	NS-FP	<2	1,810	NS-FP	33.1	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	2,060	1,200	<2	<2	15	NS-FP	<2	Table 2	Table 2	<2	30	6.6	Table 5	Table 5	Table 5	1,140
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	1,410	555	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	832
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	925	769	<2	<2	3.1	NS-FP	<2	NS-FP	NS-FP	<2	151	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	2,910	473	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	2,420	<5	NS-FP	1,540	211	<2	<2	<2	3,250	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	984
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	2,760	<20	8,840	1,720	143	<2	<2	<40	2,210	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	1,180
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	2,850	43.4	2,510	2,750	78.6	<2	74.5	<2	2,120	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	332
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,200	<20	2,680	2,240	49.6	<2	<2	5.7	1,450	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	594
1,3,5-Trimethylbenzene	Oct-01	470	62.9	145	NS-NW	Table 2	25																			
	Feb-02	955	57.8	126	NS-FP	NS-FP	45.6																			
	Jun-02	1,170	57.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	574	67.8	57.6	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	675	765	<5	106	<50	<250	<5	528	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	30	NS-FP	<25	404	903	411	<5	<125	<50	<125	<5	635	845	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	398	440	19	<2	<2	<5	<50	<2	506	1,530	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	320	570	92	<2	<2	<4	<50	<2	400	NS-FP	<2	<10	NS-NW	<2	<2	<2	170
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	412	506	294	<2	<4	<5	NS-FP	<2	459	NS-FP	13.8	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	375	619	<2	<2	3.4	NS-FP	<2	Table 2	Table 2	<2	5.5	<4	Table 5	Table 5	Table 5	300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	455	340	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	189
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	500	410	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	1,440	290	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	579	<5	NS-FP	488	175	<2	<2	<2	411	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	218
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	700	<20	1,680	522	127	<2	<2	<40	322	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	277
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	811	23.9	610	786	35.3	<2	24.1	<2	252	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	859	<20	680	764	30.6	<2	<4	<2	92	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	614

ANCHEM1365

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1[1]	MW-2[1]	MW-3[1]	MW-4	MW-6	MW-7[1]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Toluene	Feb-94	560	7,390	579	12,700	15,300	396																			
	Nov-00	4,000	57	3,700	NS-FP	NS-FP	800																			
	Oct-01	2,470	26	5,150	NS-NW	Table 2	975																			
	Feb-02	4,880	26.2	4,520	NS-FP	NS-FP	1,330																			
	Jun-02	6,180	102	4,780	NS-FP	NS-FP	1,280	NS-FP	<20																	
	Oct-02	5,390	39	4,810	NS-FP	NS-FP	2,560	NS-FP	<5																	
	Dec-02	NA	158	5,770	NS-FP	NS-FP	541	NS-FP	<5	19,600	1,230	29.5	1.2	2,840	14.4	<50	<1	1,730	13,500	3.3	6.7					
	Mar-03	NA	<200	2,310	NS-FP	NS-FP	938	NS-FP	<5	12,000	3,830	14.5	<1	230	<10	<25	<1	4,970	11,600	<1	<5					
	Jun-03	NA	<100	2,080	NS-FP	NS-FP	724	NS-FP	<10	10,900	4,620	<5	<1	<1	<2.5	<25	<1	5,510	13,300	7.2	<1	<10	<1	<1	<1	<50
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	13,800	4,030	<2.5	<1	<1	2	<25	<1	3,700	NS-FP	<1	10	NS-NW	<1	<1	<1	10,500
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	13,300	6,570	9.7	<1	<2	3.2	NS-FP	<1	2,350	NS-FP	14.6	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	6,050	<2.5	<1	<1	54.8	NS-FP	<1	Table 2	Table 2	<1	17.5	16.4	Table 5	Table 5	Table 5	15,200
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	9,000	3.6	<1	<1	43.3	NS-FP	<1	NS-FP	NS-FP	<1	1.7	NS-NW	<1	<1	<1	14,500
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	16,200	1.5	<1	<1	101	NS-FP	<1	NS-FP	NS-FP	<1	94	NS-NW	<1	<1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	18,300	<1	<1	<2	33.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	6,170	4.8	NS-FP	6,580	<2.5	<1	<1	42.2	62.5	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1 SW	<1 SW	<1 SW	18,900
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	4,510	<10	12,800	7,830	<1	<1	<1	180	149	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1 SW	<1 SW	<1 SW	14,200
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	4,290	40.8	11,900	10,700	<1	<1	204	27.5	29.4	<1	NS-FP	NS-FP	<1	NS-FP	34.2	<1 SW	<1 SW	<1 SW	15,400
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,080	<20	15,000	7,400	<1	<1	<2	54.5	<20	<1	NS-FP	NS-FP	1.7	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	16,400
Vinyl Chloride	Oct-01	1,350	75	<5	NS-NW	Table 2	188																			
	Feb-02	1,060	197	896	NS-FP	NS-FP	517																			
	Jun-02	<100	<200	<50	NS-FP	NS-FP	<10	NS-FP	<40																	
	Oct-02	2,860	2,710	12,200	NS-FP	NS-FP	684	NS-FP	123																	
	Dec-02	NA	2,720	12,700	NS-FP	NS-FP	423	NS-FP	107	4,100	198	1,100	6.2	<50	93.1	555	<2	<200	<1,000	<2	28.1					
	Mar-03	NA	1,640	7,670	NS-FP	NS-FP	200	NS-FP	92	3,690	1,180	66.6	2.6	<50	77.6	387	<2	<1,000	830	<2	22.6					
	Jun-03	NA	4,500	2,380	NS-FP	NS-FP	360	NS-FP	173	3,410	1,830	36	3.8	<2	49	395	<2	<400	<1,000	<5	<2	88.9	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	296	4,510	1,510	36	<2	5.2	51	588	<2	800	NS-FP	<2	31.5	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	5.2	3,700	1,530	13.1	<2	6.1	134	NS-FP	<2	<200	NS-FP	<2	47.3	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	155	Table 2	1,190	8.5	<1	<1	546	NS-FP	<1	Table 2	Table 2	<1	66	860	Table 5	Table 5	Table 5	450
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	191	NS-FP	3,320	10.4	<1	2	138	NS-FP	<1	NS-FP	NS-FP	<1	13.6	NS-NW	<1	<1	<1	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	111	NS-FP	2,550	10	<1	5.5	272	NS-FP	<1	NS-FP	NS-FP	<1	202	NS-NW	<1	<1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	32.9	NS-FP	5,410	3.8	<1	<2	34.7	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,340	310	NS-FP	1,280	12.8	6.2	4.5	724	1,180	<1	NS-FP	NS-FP	1.2	NS-FP	1,340	<1 SW	<1 SW	1.8 SW	138
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	1,510	278	3,700	2,030	4.1	2.2	7.9	1,320	488	<1	NS-FP	NS-FP	<1	NS-FP	1,080	<1 SW	<1 SW	<1 SW	<50
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	3,780	470	1,470	1,440	8.8	<1	19.8	174	1,080	<1	NS-FP	NS-FP	<1	NS-FP	1,530	<1 SW	<1 SW	<1 SW	<50
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,050	340	608	2,160	4.4	<1	22	416	721	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	<50
Xylenes	Feb-94	2,192	7,790	1,014	4,362	4,710	186																			
	Nov-00	3,400	<500	2,500	NS-FP	NS-FP	247																			
	Oct-01	2,770	<2	3,720	NS-NW	Table 2	301																			
	Feb-02	3,780	14.8	3,070	NS-FP	NS-FP	280																			
	Jun-02	5,240	152	3,690	NS-FP	NS-FP	354	NS-FP	<20																	
	Oct-02	3,570	73	2,570	NS-FP	NS-FP	576	NS-FP	<5																	
	Dec-02	NA	355	2,900	NS-FP	NS-FP	121	NS-FP	<5	4,690	748	242	<1	1,760	<10	<50	<1	2,690	3,840	<1	<5					
	Mar-03	NA	316	2,100	NS-FP	NS-FP	318	NS-FP	<10	2,330	1620	28.1	<2	100	<20	<50	<2	4,200	4,960	<2	6.4					
	Jun-03	NA	170	1,760	NS-FP	NS-FP	238	NS-FP	<10	4,590	1,560	<5	<1	<1	<2.5	<25	<1	3,650	6,040	6.3	<1	<10	<1	<1	<1	1,050
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	4,460	1,320	9	<1	<1	<2	<25	<1	2,620	NS-FP	<1	93	NS-NW	<1	<1	<1	8,870
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	4,590	2,020	157	<1	<2	<2.5	NS-FP	<1	2,610	NS-FP	22	91.9	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	2,170	231	<1	<1	27.3	NS-FP	<1	Table 2	Table 2	<1	175	8.8	Table 5	Table 5	Table 5	8,320
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	18.9	<1	<1	9.8	NS-FP	<1	NS-FP	NS-FP	<1	5.3	NS-NW	<1	<1	<1	8,320
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	3,200	150	<1	<1	22.1	NS-FP	<1	NS-FP	NS-FP	<1	200	NS-NW	<1	<1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	4,310	2.5	<1	<2	3.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SW	<1 SW	<1 SW	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	4,590	5.5	NS-FP	2,420	53.2	<1	<1	10	544	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SW	<1 SW	<1 SW	9,530
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	4,850	<20	7,800	2,690	35.6	<2	<2	24	297	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	11,800
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	5,810	45.7	4,290	4,150	17.5	<2	277	5.8	126	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SW	<2 SW	<2 SW	5,550
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	5,890	<20	6,490	4,470	6.4	<2	<4	30.8	90.2	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SW	<2 SW	<2 SW	6,070

NA= Not Analyzed. [1] = Abandoned Well. SW = SnapSampler Method used for collection (Dec-04: MW-23, MW-24 and MW-25).

NS-FP= Not Sampled Free Product present. NS-NW= Not Sampled Not Enough Water present.

Blue= Chemicals stored on-site. Red= Transformation compounds.

ANCHEM1366

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
	Date	**Depth**	**MW-23**	**MW-24**	**MW-25**
Screened Interval (feet bg)			71-81	67-77	71-81
DTW (ft)	15-Dec-03		42.65	45.69	47.35
	30-Mar-04		43.25	46.41	48.03
VOCs					
Acetone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Benzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
2-Butanone (MEK)	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Chloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,2-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethene	15-Dec-03	1.5'	6	14.6	7.4
	15-Dec-03	7.5'	6.1	<2	6.2
	30-Mar-04	2.5'	4.4	7.6	7.4
	30-Mar-04	7.5'	4.2	6.6	6.2
cis 1,2-Dichloroethene	15-Dec-03	1.5'	2.4	8.8	3.4
	15-Dec-03	7.5'	<2	5.7	<2
	30-Mar-04	2.5'	<2	11.7	<2
	30-Mar-04	7.5'	<2	11.3	<2

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
VOCs	Date	Depth	MW-23	MW-24	MW-25
trans 1,2-Dichloroethene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,4 Dioxane	15-Dec-03	1.5'	<50	<50	<50
	15-Dec-03	7.5'	<50	<50	<50
	30-Mar-04	2.5'	<50	<50	<50
	30-Mar-04	7.5'	<50	<50	<50
Ethylbenzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Methylene Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
4-Methyl-2-pentanone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Naphthalene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
n-Propylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Tetrachloroethene	15-Dec-03	1.5'	30.6	75.4	37.1
	15-Dec-03	7.5'	14.8	24.3	37.2
	30-Mar-04	2.5'	38.2	225	30.3
	30-Mar-04	7.5'	37.7	263	24.9

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)

VOCs	Date	Depth	MW-23	MW-24	MW-25
1,1,1-Trichloroethane	15-Dec-03	1.5'	3.2	2.3	<2
	15-Dec-03	7.5'	2.6	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Trichloroethene	15-Dec-03	1.5'	11.3	51.4	38.5
	15-Dec-03	7.5'	7.9	49.3	39.4
	30-Mar-04	2.5'	14.2	74.5	34.9
	30-Mar-04	7.5'	14.7	67.1	18.6
1,2,4-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,3,5-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Toluene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Vinyl Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Xylenes	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1

DTW= Depth to Water.
Depth= Depth above well bottom.
Blue= Chemicals stored on-site.
Red= Transformation compounds.

Table 6. Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
		First Water Wells					Upper A1 Zone Wells					
Compound	Date	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Dissolved	Dec-03		12		100	3	1.6	2.9	2.4	0.9	2.2	3.4
Organic Carbon	Mar-04		8.6		240	3.1	1.3	2.4	5.6	0.6	1	3.3
	Jun-04		7.2		84	3.2	3.1	2.1	2.3	<1	1.5	1.4
	Sep-04		4.3		48	2.1	0.9	2.7	5.9	0.6	3.4	5.1
	Dec-04		4.5		26	2.9	1.5	1.7	2.4	0.9	1.6	NS-FP
	Mar-05		15		545	2.2	1.7	2.1	1	2	2.8	NS-FP
	Jun-05		20		125	3	4	3.4	12	NA	NA	NS-FP
	Dec-05	24	21	14	29	4.4	5	NA	NA	15	8.7	
Total Organic Carbon	Dec-03		13		105	3.7	1.9	3.1	2.6	1.2	2.6	3.7
	Mar-04		9.6		270	3.4	1.5	3.1	6.5	1	1.1	3.7
	Jun-04		7.9		94	3.5	3.4	2.4	2.5	1.2	1.7	1.7
	Sep-04		4.6		50	2.5	1	2.9	6.1	0.9	3.7	5.4
	Dec-04		5.1		34	3.1	1.6	2.4	2.8	1.6	2	NS-FP
	Mar-05		16		595	2.3	1.7	2.3	4.7	2.3	3.4	NS-FP
	Jun-05		21		49	3	4.6	3.8	13	NA	NA	NS-FP
	Dec-05	23	22	17	30	4.1	3.7	NA	NA	17	9.8	NS-FP
TDS	Jun-03		1,640		2,250	839	1,200	1,450	1,830	1,400	1,280	1,250
	Sep-03		1,600		1,935	735	1,185	1,205	1,195	1,675	1,235	1,296
	Dec-03		1,250		1,690	730	1,160	1,140	1,260	1,170	1,200	1,110
	Mar-04		2,620		1,660	1,570	1,210	855	873	1,310	2,020	1,080
	Jun-04		1,760		1,590	721	1,290	1,280	1,230	1,450	1,250	1,180
	Sep-04		1,700		1,370	578	1,190	1,170	1,240	1,080	1,300	1,180
	Dec-04		1,510		809	479	946	959	1,650	1,850	1,790	NS-FP
	Mar-05		1,650		2,170	551	988	1,140	1,030	1,210	934	NS-FP
	Jun-05		1,620		1,410	696	962	1,180	1,060	1,180	577	NS-FP
	Sep-05		796		825	659	1,060	1,230	1,200	1,200	1,210	NS-FP
	Dec-05	136	1,550	509.4	630	374	513	NA	NA	1,070	1,020	NS-FP
Total Alkalinity	Jun-03		525		960	290	430	433	455	460	425	472
	Sep-03		545		955	408	473	370	448	475	433	460
	Dec-03		540		912	340	435	350	465	430	479	530
	Mar-04		485		766	498	452	298	458	407	449	542
	Jun-04		430		696	505	435	373	456	433	438	440
	Sep-04		275		650	375	373	288	455	330	415	548
	Dec-04		370		695	455	443	401	445	430	443	NS-FP
	Mar-05		568		885	385	365	395	520	433	353	NS-FP
	Jun-05		610		635	355	401	375	530	420	272	NS-FP
	Sep-05		595		555	335	385	435	475	420	410	NS-FP
	Dec-05	583	595	545	573	318	375	NA	525	420	445	NS-FP
Carbonate/bicarbonate	Jun-03		612		1,152	348	516	519	546	552	510	567
	Sep-03		654		1,176	489	507	444	507	570	519	552
	Dec-03		324		547	204	261	210	279	258	287	318
	Mar-04		582		919	598	542	351	550	488	539	650
	Jun-04		262		424	308	265	228	278	264	267	268
	Sep-04		168		397	229	227	175	278	201	253	334
	Dec-04		171		177	61	116	244	271	262	273	NS-FP
	Mar-05		346		540	235	223	241	317	264	215	NS-FP
	Jun-05		372		387	217	244	229	323	256	166	NS-FP
	Sep-05		357		337	201	231	261	285	252	246	NS-FP
	Dec-05	355	363	332	351	194	229	NA	320	256	271	NS-FP

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
		First Water Wells					Upper A1 Zone Wells					
Compound	Date	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Chloride	Jun-03		241		425	70.9	101	92.2	95	96.4	87.9	87.9
	Sep-03		241		383	57	99	142	106	170	92	142
	Dec-03		238		344	74.4	106	160	113	106	99.3	135
	Mar-04		221		441	76.2	92.6	92.6	104	95.3	123	158
	Jun-04		198		332	78	119	122	102	106	109	116
	Sep-04		132		334	54.5	123	197	129	102	91.9	129
	Dec-04		152		158	54.5	103	98	113	98	112	NS-FP
	Mar-05		253		384	54.5	92.6	123	169	264	215	NS-FP
	Jun-05		284		287	35.5	115	135	156	121	70.9	NS-FP
	Sep-05		269		99.3	45.4	96.4	128	121	122	106	NS-FP
	Dec-05	125	294	65.3	98	45.6	65.3	NA	144	125	114	NS-FP
Sulfide	Jun-03		<0.02		3.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Sep-03		<0.05		2.56	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-03		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-04		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Jun-04		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Sep-04		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Dec-04		<0.02		0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP
	Mar-05		<0.05		0.96	<0.05	<0.05	<0.05	0.48	<0.05	<0.05	NS-FP
	Jun-05		<0.02		0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP
	Sep-05		<0.03		1.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP
	Dec-05	0.48	<0.05	<0.05	0.16	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NS-FP
Sulfate	Jun-03		264		7.9	108	214	182	279	206	176	182
	Sep-03		250		26	85	230	202	285	215	215	230
	Dec-03		783		16	47	533	399	287	387	501	287
	Mar-04		595		<1	27.6	262	<1	<1	335	250	<1
	Jun-04		707		3.49	42	143	603	735	164	81.4	518
	Sep-04		490		<1	36.5	114	278	95	319	367	192
	Dec-04		454		<1	28.1	162	112	140	120	195	NS-FP
	Mar-05		141		<1	32.2	84.4	121	40.4	110	36.6	NS-FP
	Jun-05		177		<1	68.9	133	170	101	137	83.8	NS-FP
	Sep-05		119		<1	48.7	84.7	83.9	85.8	71.8	69.1	NS-FP
	Dec-05	4.82	224	11.4	<1	76.6	98.8	NA	37	76.2	64.4	NS-FP
Nitrate	Jun-03		16.4		8.81	<0.01	27.8	25.1	29.7	27.8	24.2	23.8
	Sep-03		0.138		<0.01	<0.01	0.027	0.012	0.029	<0.01	0.17	0.019
	Dec-03		25.5		3.96	1.16	17.4	20.9	25.2	20.1	21.4	22.8
	Mar-04		22.5		12.7	0.46	19.6	24.1	17.1	18	28.7	20
	Jun-04		29		8.18	1.24	18	27	32	28.7	25.6	24
	Sep-04		30.8		8.78	2.81	27.6	20.3	27	23.2	22.1	8.47
	Dec-04		12.7		5.05	2.97	14.2	21.6	20.4	17.8	16.2	NS-FP
	Mar-05		11.6		9.57	<0.01	11.9	17.7	19.2	11.9	20.6	NS-FP
	Jun-05		7.8		4.9	3.1	16.1	18.6	11.8	15.7	18.5	NS-FP
	Sep-05		5.2		8.96	2.8	21.6	22.2	18.3	14.9	21.8	NS-FP
	Dec-05	10.8	16.3	4.11	8.2	6.7	12.2	NA	6.86	13.9	17.6	NS-FP

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460,												
160.1, Colorimetry and Standard Method 4500 (mg/L)												
				First Water Wells			Upper A1 Zone Wells					
Compound	Date		MW-9		MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Total Iron	Jun-03		<0.1		10.7	0.16	0.14	<0.1	0.2	0.43	0.22	<0.1
	Sep-03		<0.05		18.7	0.41	<0.05	<0.05	<0.05	0.26	<0.05	<0.05
	Dec-03		0.36		30.6	3.65	0.19	0.14	0.38	0.36	0.24	1.2
	Mar-04		0.15		10.5	4.14	<0.1	<0.1	<0.1	<0.1	0.62	<0.1
	Jun-04		<0.1		5.6	<0.1	0.12	0.2	0.2	0.15	<0.1	0.2
	Sep-04		0.12		5.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1
	Dec-04		<0.1		1.65	0.36	0.45	0.4	0.25	0.17	0.13	NS-FP
	Mar-05		<0.1		1.87	0.25	<0.1	<0.1	0.11	<0.1	<0.1	NS-FP
	Jun-05		<0.1		0.68	0.17	0.16	<0.1	0.1	<0.1	<0.1	NS-FP
	Sep-05		<0.1		7.5	1.4	<0.1	<0.1	0.3	<0.1	<0.1	NS-FP
	Dec-05	0.11	<0.1	0.59	0.61	<0.1	<0.1	NA	<0.1	<0.1	<0.1	NS-FP
Ferrous Iron	Jun-03		<0.05		0.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-03		<0.05		9.98	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-03		0.15		2.32	0.73	0.16	0.21	0.21	0.22	0.14	0.17
	Mar-04		<0.05		2.62	2.25	<0.05	0.31	0.57	<0.05	0.1	0.86
	Jun-04		<0.05		2.42	0.15	<0.05	0.24	0.17	<0.05	<0.05	0.48
	Sep-04		<0.05		1.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-04		<0.05		<0.05	0.11	0.19	0.08	0.23	0.07	<0.05	NS-FP
	Mar-05		<0.05		<0.05	0.25	<0.05	<0.05	0.13	<0.05	<0.05	NS-FP
	Jun-05		<0.05		0.42	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	NS-FP
	Sep-05		<0.05		0.42	0.14	0.1	0.1	0.07	0.07	0.09	NS-FP
	Dec-05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NS-FP
Manganese	Jun-03		<0.1		6.7	1.6	<0.1	<0.1	0.4	<0.1	<0.1	0.43
	Sep-03		0.07		12.5	2.49	0.66	0.42	0.4	<0.05	0.12	0.64
	Dec-03		0.15		13.5	1.47	0.22	1.02	1.14	0.23	0.12	1.96
	Mar-04		0.11		4.71	1.12	0.13	0.15	1.11	0.09	0.14	1.78
	Jun-04		0.2		6.6	0.9	<0.05	0.2	0.4	<0.05	<0.05	0.1
	Sep-04		0.54		9.04	1.12	0.12	0.37	1.49	0.08	0.09	1.79
	Dec-04		0.12		5.19	1.25	<0.05	0.09	0.76	<0.05	<0.05	NS-FP
	Mar-05		0.49		15	2.52	<0.05	<0.05	3.19	<0.05	0.33	NS-FP
	Jun-05		0.35		8.85	2.55	0.1	<0.05	3.32	<0.05	0.16	NS-FP
	Sep-05		0.4		7.94	3.36	0.16	0.37	0.74	0.06	0.3	NS-FP
	Dec-05	2.07	0.23	2.49	6.05	2.62	0.25	NA	0.2	<0.05	0.4	NS-FP
Ethylene	Mar-04		22.7		1,001	176	<5	255	<5	<5	<5	1,080
	Jun-04		28.5		2,120	174	<5	<5	15.5	<5	<5	<5
	Sep-04		30		4,620	46	<5	<5	<5	<5	<5	49
	Dec-04		10.5		2,580	27	<5	<5	25.5	<5	<5	NS-FP
	Mar-05		32		2,011	5	<5	<5	31.5	<5	<5	NS-FP
	Jun-05		<5		7430	33	<5	<5	313	<5	<5	NS-FP
	Sep-05		<5		916	<5	<5	<5	34	<5	<5	NS-FP
	Dec-05	804	46	193	1,803	<5	<5	NA	<5	<5	<5	NS-FP

Table 7: Dissolved Metal Sample Results (mg/L)

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Antimony	7040	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.006
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Arsenic	7060	Oct-01	0.026	0.061	<0.005	NS-FP	NS-FP	0.071			0.05
		Feb-02	0.058	0.044	0.006	NS-FP	NS-FP	0.113			
		Jun-02	0.064	0.046	<0.005	NS-FP	NS-FP	0.115	NS-FP	<0.005	
		Oct-02	0.015	0.038	<0.005	NS-FP	NS-FP	0.074	NS-FP	<0.005	
Barium	7080	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	0.8	0.88	0.51	NS-FP	NS-FP	0.68	NS-FP	0.66	
		Oct-02	0.984	0.962	0.91	NS-FP	NS-FP	0.897	NS-FP	0.683	
Beryllium	7090	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.004
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Cadmium	7130	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.005
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Chromium	7190	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.02	<0.02	<0.02	NS-FP	NS-FP	<0.02			
		Jun-02	0.015	0.016	0.016	NS-FP	NS-FP	0.017	NS-FP	0.019	
		Oct-02	0.0188	0.0185	0.02	NS-FP	NS-FP	0.021	NS-FP	0.024	
Cobalt	7200	Oct-01	<0.1	0.12	<0.1	NS-FP	NS-FP	<0.1			None
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.23	0.2	0.18	NS-FP	NS-FP	0.11	NS-FP	0.18	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	

ANCHEM1373

Table 7 (cont.): Dissolved Metal Sample Results (mg/L)

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Copper	7210	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			1.3
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
Lead	7240	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Mercury	7471	Oct-01	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			0.002
		Feb-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			
		Jun-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
		Oct-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
Molybdenum	7480	Oct-01	<0.4	<0.4	<0.4	NS-FP	NS-FP	<0.4			0.035*
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
		Oct-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
Nickel	7520	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.1
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.14	0.17	0.2	NS-FP	NS-FP	0.21	NS-FP	0.18	
		Oct-02	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05	NS-FP	<0.05	
Selenium	7740	Oct-01	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			0.05
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Silver	7760	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	

Table 7 (cont.): Dissolved Metal Sample Results (mg/L)

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Thallium	7840	Oct-01	<0.2	<0.2	<0.2	NS-FP	NS-FP	<0.2			0.002
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Vanadium	7910	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.06*
		Feb-02	0.03	0.05	0.16	NS-FP	NS-FP	0.14			
		Jun-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
		Oct-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
Zinc	7950	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			5
		Feb-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01			
		Jun-02	0.07	0.04	0.05	NS-FP	NS-FP	0.04	NS-FP	0.23	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	

NS-FP= Not Sampled Free Product present.
MCLs= Maximum Contaminant Levels.
* = Health Advisories.

Former Angeles Chemical Co. Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-1	11/30/2000	Sheen	None	0	0	0
	10/30/2001	Sheen	None	0	0	0
	2/15/2002	0.02	None	0	0	0
	11/13/2002	0.03	None	0	0	0
				Mw-1 Total Liters Removed:		**0.000**

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-4	10/30/2001	Sheen	None	0	0	0
	2/15/2002	0.06	None	0	0	0
	10/7/2002	Not measured	None	0	0	0
	6/30/2004	0.2	None	0	0	0
	7/23/2004	0.17	None	0	0	0
	9/16/2004	0.16	Bailer	15 mL	15	15
	9/28/2004	0.14	None	0	0	15
	10/11/2004	0.14	Bailer	15 mL	15	30
	10/22/2004	0.12	None	0	0	30
	11/11/2004	0.12	None	0	0	30
	11/24/2004	0.12	None	0	0	30
	12/21/2004	0.13	Bailer	10 mL	10	40
	1/4/2005	0.12	None	0	0	40
			None	0	0	40
				MW-4 Total Liters Removed:		**0.040**

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-6	11/30/2000	Not measured	None	0	0	0
	10/30/2001	0.5	None	0	0	0
	1/18/2002	0.69	Bailer	1.0 gallon	3785	3785
	2/15/2002	0.94	Bailer	0.5 gallon	1892	5677
	6/7/2002	1	Bailer	1.0 gallon	3785	9462
	6/10/2002	0.6	Bailer	0.5 gallon	1892	11354
	6/13/2002	0.34	Bailer	0.5 gallon	1893	13247
	6/14/2002	Not measured	Bailer	0.5 gallon	1893	15140
	10/7/2002	Not measured	None	0	0	15140
	12/2/2002	0.37	None	0	0	15140
	9/16/2004	0.02	None	0	0	15140
	9/28/2004	0.02	None	0	0	15140
	10/11/2004	0.01	None	0	0	15140
	10/22/2004	0.01	None	0	0	15140
	11/11/2004	0.09	None	0	0	15140
	11/24/2004	0.05	None	0	0	15140
	12/21/2004	0.04	Bailer	25 mL	25	15165
	1/4/2005	0.02	None	0	0	15165
			None	0	0	15165
				MW-6 Total Liters Removed:		**15.165**

Former Angeles Chemical Co. Free Product Removal Data Summary						
Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-8	6/7/2002	0.84	Bailer	2 gallons	7570	7570
	6/10/2002	0.11	None	0	0	7570
	6/13/2002	0.87	Bailer	1 gallon	3785	11355
	6/14/2002	Not Measured	Bailer	3 gallons	11355	22710
	10/7/2002	Not Measured	None	0	0	22710
	12/2/2002	0.44	None	0	0	22710
	12/18/2002	Not Measured	Bailer	1 gallon	3785	26495
	12/18/2002	0.26	Bailer	1 L	1000	23710
	2/8/2004	0.24	Bailer	100 mL	100	23810
	2/10/2004	0.36	Bailer	100 mL	100	23910
	2/11/2004	0.1	None	0	0	23910
	2/13/2004	Not Measured	None	0	0	23910
	2/14/2004	0.15	Bailer	50 mL	50	23960
	2/16/2004	Not Measured	None	0	0	23960
	2/17/2004	0.08	None	0	0	23960
	2/18/2004	0.08	None	0	0	23960
	3/19/2004	0.19	Bailer	150 mL	150	24110
	4/30/2004	0.75	Bailer	250 mL	250	24360
	5/27/2004	0.3	Bailer	50 mL	50	24410
	6/30/2004	0.37	Bailer	50 mL	50	24460
	7/9/2004	0.1	Bailer	10 mL	10	24470
	7/23/2004	0.34	Bailer	20 mL	20	24490
	8/13/2004	0.34	Bailer	50 mL	50	24540
	9/16/2004	0.46	Bailer	250 mL	250	24790
	9/28/2004	0.41	Bailer	300 mL	300	25090
	10/11/2004	0.36	Bailer	350 mL	350	25440
	10/22/2004	0.4	Bailer	400 mL	400	25840
	11/11/2004	0.15	Bailer	75 mL	75	25915
	11/24/2004	0.18	Bailer	50 mL	50	25965
	12/8/2004	0.32	Bailer	250 mL	250	26215
	12/21/2004	0.24	Bailer	150 mL	150	26365
	1/4/2005	0.21	Bailer	125 mL	125	26490
	4/2/2005	0		0	0	
				MW-8 Total Liters Removed:		**26.490**

Former Angeles Chemical Co. Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-10	3/19/2004	0.29	Bailer	0.25 gallons	946	946
	4/30/2004	0.4	Bailer	100 mL	100	1046
	5/27/2004	0.82	Bailer	0.5 gallons	1893	2939
	6/30/2004	0.51	Bailer	0.25 gallons	946	3885
	7/9/2004	0.12	Bailer	15 mL	15	3900
	7/23/2004	0.26	Bailer	10 mL	10	3910
	8/13/2004	1.18	Bailer	1 gallon	3785	7695
	9/16/2004	1.43	Bailer	1.25 gallons	4731	12426
	9/28/2004	0.57	Bailer	500 mL	500	12926
	10/11/2004	0.54	Bailer	600 mL	600	13526
	10/22/2004	0.63	Bailer	500 mL	500	14026
	11/11/2004	0.29	Bailer	200 mL	200	14226
	11/24/2004	0.2	Bailer	75 mL	75	14301
	12/8/2004	0.15	Bailer	50 mL	50	14351
	12/21/2004	0.18	Bailer	100 mL	100	14451
	1/4/2005	0.11	Bailer	500 mL	50	14501
	1/20/2005	0.11	Bailer	100 mL	100	14601
	2/1/2005	0.12	Bailer	100 mL	100	14701
	2/16/2005	0.06	Bailer	50 mL	50	14751
	3/11/2005	0.01		0	0	14751
	4/2/2005	0		0	0	
				MW-10 Total Liters Removed:		**14.751**
MW-16	1/29/2004	0.51	None	0	0	0
	2/8/2004	0.51	Bailer	250 mL	250	250
	2/10/2004	0.37	Bailer	150 mL	150	400
	2/11/2004	0.29	Bailer	100 mL	100	500
	2/13/2004	Not Measured	None	0	0	500
	2/14/2004	Not Measured	None	0	0	500
	2/16/2004	Not Measured	None	0	0	500
	2/17/2004	Not Measured	None	0	0	500
	2/18/2004	Not Measured	None	0	0	500
	3/19/2004	0.19	Bailer	150 mL	150	650
	4/30/2004	0.41	Bailer	100 mL	100	750
	5/27/2004	0.08	Bailer	25 mL	25	775
	6/30/2004	0.34	Bailer	25 mL	25	800
	7/9/2004	0.24	Bailer	10 mL	10	810
	7/23/2004	0.24	Bailer	10 mL	10	820
	8/13/2004	0.28	Bailer	50 mL	50	870
	9/16/2004	0.12	Bailer	20 mL	20	890
	9/28/2004	0.13	Bailer	20 mL	20	910
	10/11/2004	0.06	None	0	0	910
	10/22/2004	0.11	Bailer	15 mL	15	925
	11/11/2004	0.04	None	0	0	925
	11/24/2004	0.02	None	0	0	925
	12/21/2004	0.03	Bailer	5 mL	5	930
				MW-16 Total Liters Removed:		**0.930**

Former Angeles Chemical Co. Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-18	1/29/2004	5.15	?	?	0	0
	2/8/2004	4.96	Bailer	4.5 gallons	17033	17033
	2/10/2004	3.76	Bailer	3 gallons	11355	28388
	2/11/2004	3.92	Pump	3.25 gallons	12301	40689
	2/13/2004	3.86	Pump	3.25 gallons	12301	52990
	2/14/2004	4.3	Pump	4.5 gallons	17033	70023
	2/16/2004	4	Pump	3.75 gallons	14194	84217
	2/17/2004	3.8	Pump	3.5 gallons	13248	97465
	2/18/2004	3.3	Pump	3 gallons	11355	108820
	3/4/2004	Not Measured	Pump	3 gallons	11355	120175
	3/5/2004	Not Measured	Pump	1.5 gallons	5678	125853
	3/9/2004	2.96	Pump	4 gallons	15140	140993
	3/10/2004	Not Measured	Pump	1 gallon	3785	144778
	3/19/2004	2.77	Bailer	3 gallons	11355	156133
	4/30/2004	3.5	Bailer	3.75 gallons	14194	170327
	5/27/2004	4.6	Bailer	2.5 gallons	9463	179790
	6/30/2004	2.99	Bailer	1.5 gallons	5678	185468
	7/9/2004	1.75	Bailer	1.0 gallon	3785	189253
	7/23/2004	2.04	Bailer	1.0 gallon	3785	193038
	8/13/2004	1.65	Bailer	0.75 gallons	2839	195877
	9/16/2004	0.23	Bailer	100 mL	100	195977
	9/28/2004	0.02	None	0	0	195977
	10/11/2004	0.02	None	0	0	195977
	10/22/2004	0.02	None	0	0	195977
	11/11/2004	0.22	Bailer	75 mL	75	196052
	11/24/2004	0.79	Bailer	500 mL	500	196552
	12/8/2004	0.96	Bailer	600 mL	600	197152
	12/21/2004	0.91	Bailer	600 mL	600	197752
	1/4/2005	1.22	Bailer	700 mL	700	198452
	1/20/2005	0.36	Bailer	200 mL	200	198652
	2/1/2005	0.66	Bailer	350 mL	350	199002
	2/16/2005	0.58	Bailer	300 mL	300	199302
	3/11/2005	0.13	Bailer	50 mL	50	199352
	4/2/2005	0.34	Bailer	200 mL	200	199552
	4/5/2005	0.04	Skimmer	380 mL	380	199932
	4/7/2005	0.04	Skimmer	380 mL	380	200312
	4/9/2005	0.04	Skimmer	380 mL	380	200692
	4/11/2005	0.04	Skimmer	380 mL	380	201072
	4/13/2005	0.04	Skimmer	380 mL	380	201452
	4/15/2005	0.04	Skimmer	380 mL	380	201832
	4/19/2005	0.04	Skimmer	380 mL	380	202212
	4/20/2005	0.04	Skimmer	380 mL	380	202592
	4/22/2005	0.04	Skimmer	380 mL	380	202972
	4/25/2005	0.04	Skimmer	380 mL	380	203352
	4/27/2005	0.04	Skimmer	380 mL	380	203732
	4/29/2005	0.04	Skimmer	380 mL	380	204112
	5/4/2005	0.04	Skimmer	380 mL	380	204492
	5/6/2005	0.04	Skimmer	380 mL	380	204872
	5/10/2005	0.03	Skimmer	300 mL	300	205172
	5/13/2005	0.03	Skimmer	300 mL	300	205472
	5/18/2005	0.03	Skimmer	300 mL	300	205772

5/21/2005	0.03	Skimmer	200 mL	200	205972
5/27/2005	0.04	Skimmer	200 mL	200	206172
6/3/2005	0.04	Skimmer	100 mL	100	206272
6/11/2005	0.03	Skimmer	100 mL	100	206372
6/18/2005	0.04	Skimmer	100 mL	100	206472
6/25/2005	0.04	Skimmer	100 mL	100	206572
7/2/2005	0.03	Skimmer	100 mL	100	206672
7/9/2005	0.03	Skimmer	100 mL	100	206772
7/16/2005	0.03	Skimmer	100 mL	100	206872
7/16/2005	0.03	Skimmer	100 mL	100	206972
7/23/2005	0.03	Skimmer	100 mL	100	207072
7/30/2005	0.03	Skimmer	100 mL	100	207172
8/6/2005	0.03	Skimmer	100 mL	100	207272
8/13/2005	0.03	Skimmer	100 mL	100	207372
8/20/2005	0.03	Skimmer	100 mL	100	207472
8/27/2005	0.02	Skimmer	100 mL	100	207572
9/3/2005	0.02	Skimmer	100 mL	100	207672
9/10/2005	0.02	Skimmer	50 mL	50	207722
9/19/2005	0.03	Skimmer	50 mL	50	207772
10/1/2005	0.03	Skimmer	50 mL	50	207822
10/8/2005	0.02	Skimmer	50 mL	50	207872
10/15/2005	0.02	Skimmer	50 mL	50	207922
10/24/2005	0.02	Skimmer	50 mL	50	207972
10/31/2005	0.02	Skimmer	50 mL	50	208022
11/12/2005	Sheen	Skimmer	0 mL	0	208022
			MW-18 Total Liters Removed:		**208.022**

Former Angeles Chemical Co. Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-19	1/29/2004	1.75	?	?	0	0
	2/8/2004	0.43	Bailer	200 mL	200	200
	2/10/2004	0.7	Bailer	300 mL	300	500
	2/11/2004	0.27	Pump	100 mL	100	600
	2/13/2004	Not Measured	None	0	0	600
	2/14/2004	0.6	Pump	250 mL	250	850
	2/16/2004	0.3	Pump	100 mL	100	950
	2/17/2004	0.25	Pump	100 mL	100	1050
	2/18/2004	0.23	Pump	100 mL	100	1150
	3/19/2004	1.51	Bailer	0.75 gallons	2839	3989
	4/30/2004	2.05	Bailer	1.25 gallons	4731	8720
	5/27/2004	2.2	Bailer	1.25 gallons	4731	13451
	6/30/2004	2.04	Bailer	1 gallon	3785	17236
	7/9/2004	1.1	Bailer	0.5 gallons	1893	19129
	7/23/2004	0.77	Bailer	0.4 gallons	1514	20643
	8/13/2004	1.07	Bailer	0.5 gallons	1893	22535
	9/16/2004	1.38	Bailer	0.5 gallons	1893	24428
	9/28/2004	0.94	Bailer	400 mL	400	24828
	10/11/2004	0.75	Bailer	450 mL	450	25278
	10/22/2004	0.53	Bailer	250 mL	250	25528
	11/11/2004	0.66	Bailer	450 mL	450	25978
	11/24/2004	0.78	Bailer	500 mL	500	26478
	12/8/2004	0.88	Bailer	500 mL	500	26978
	12/21/2004	1	Bailer	600 mL	600	27578
	1/4/2005	1.05	Bailer	600 mL	600	28178
	1/20/2005	0.95	Bailer	500 mL	500	28678
	2/1/2005	0.65	Bailer	375 mL	375	29053
	2/16/2005	0.5	Bailer	300 mL	300	29353
	3/11/2005	0.35	Bailer	100 mL	100	29453
	4/2/2005	0.42	Bailer	250 mL	250	29703
	4/5/2005	0.04	Skimmer	380 mL	380	30083
	4/7/2005	0.04	Skimmer	380 mL	380	30463
	4/9/2005	0.04	Skimmer	380 mL	380	30843
	4/11/2005	0.04	Skimmer	380 mL	380	31223
	4/13/2005	0.04	Skimmer	380 mL	380	31603
	4/15/2005	0.04	Skimmer	380 mL	380	31983
	4/19/2005	0.04	Skimmer	380 mL	380	32363
	4/20/2005	0.04	Skimmer	380 mL	380	32743
	4/22/2005	0.04	Skimmer	380 mL	380	33123
	4/25/2005	0.04	Skimmer	380 mL	380	33503
	4/27/2005	0.04	Skimmer	380 mL	380	33883
	4/29/2005	0.04	Skimmer	380 mL	380	34263
	5/4/2005	0.04	Skimmer	380 mL	380	34643
	5/6/2005	0.04	Skimmer	380 mL	380	35023
	5/10/2005	0.03	Skimmer	300 mL	300	35323
	5/13/2005	0.03	Skimmer	300 mL	300	35623
	5/18/2005	0.03	Skimmer	300 mL	300	35923
	5/21/2005	0.03	Skimmer	200 mL	200	36123
	5/27/2005	0.05	Skimmer	200 mL	200	36323
	6/3/2005	0.04	Skimmer	300 mL	300	36623
	6/11/2005	0.04	Skimmer	200 mL	200	36823

	6/18/2005	0.04	Skimmer	200 mL	200	37023
	6/25/2005	0.04	Skimmer	200 mL	200	37223
	7/2/2005	0.03	Skimmer	200 mL	200	37423
	7/9/2005	0.03	Skimmer	200 mL	200	37623
	7/16/2005	0.03	Skimmer	200 mL	200	37823
	7/16/2005	0.03	Skimmer	200 mL	200	38023
	7/23/2005	0.03	Skimmer	200 mL	200	38223
	7/30/2005	0.03	Skimmer	200 mL	200	38423
	8/6/2005	0.03	Skimmer	200 mL	200	38623
	8/13/2005	0.03	Skimmer	200 mL	200	38823
	8/20/2005	0.03	Skimmer	200 mL	200	39023
	8/27/2005	0.02	Skimmer	150 mL	150	39173
	9/3/2005	0.02	Skimmer	150 mL	150	39323
	9/10/2005	0.02	Skimmer	150 mL	150	39473
	9/19/2005	0.03	Skimmer	150 mL	150	39623
	10/1/2005	0.03	Skimmer	150 mL	150	39773
	10/8/2005	0.02	Skimmer	100 mL	100	39873
	10/15/2005	0.02	Skimmer	100 mL	100	39973
	10/24/2005	0.02	Skimmer	100 mL	100	40073
	10/31/2005	0.02	Skimmer	100 mL	100	40173
	11/12/2005	0.02	Skimmer	250 mL	250	40423
	12/12/2005	0.02	Skimmer	200 mL	200	40623
						0
				MW-19 Total Liters Removed:		**40.623**
MW-21	12/8/2004	2.98	Bailer	1500 mL	1500	1500
	12/13/2004	0.22	Bailer	50 mL	50	1550
	12/21/2004	0.04	Bailer	5 mL	5	1555
	1/4/2005	0.04	None	0	0	1555
	2/1/2005	0.002	Bailer	3 mL	3	1558
	4/2/2005	0		0	0	
				MW-21 Total Liters Removed:		**1.558**
MW-22	2/10/2004	0.04	None	0	0	0
				MW-22 Total Liters Removed:		**0.000**

TABLE 9
AMOUNT OF VOCs EXTRACTED BY SVE SYSTEM IN THE 4TH QUARTER, 2005

VOCs Measured (ppmv)	Flow Rate*1 (scfm)	Days of Operation (days)	% Up Time*2 (%)	MwV*3 (lb/lbmole)	MwA*4 (lbmoles/ft³)	VOCs (lb/min)	VOCs (lb/hr)	VOCs (lb/day)	VOCs (lb/Qtr)
750.5	247	73	79%	118.30	358	0.061	3.7	69.8	**5095.4**

Notes

*1 Flow Rate =Measured flow rate of SVE system (In CFM)

*2 % Up Time = Average percentage of time the SVE system is operating over a 24 hr period

*3 MwV = Molecular weight of VOC vapor in pounds per pound-mole

*4 MwA = Molecular weight of air - 358 pound-moles per cubic foot of air at STP

FORMULAS

$$\frac{\text{VOCs} \times \text{FR} \times \text{MwV}}{\text{MwA} \times 1{,}000{,}000} \quad \text{Equals} \quad \frac{\text{lbs}}{\text{min}}$$

$$\frac{\text{lbs}}{\text{min}} \times 60\ \text{min/hr} \quad \text{Equals} \quad \frac{\text{lbs}}{\text{hr}}$$

$$\frac{\text{lbs}}{\text{hr}} \times 24\text{hr/day} \times \%\ \text{Up Time} \quad \text{Equals} \quad \frac{\text{lbs}}{\text{day}}$$

$$\frac{\text{lbs}}{\text{day}} \times \text{Days of Operations/Qtr} \quad \text{Equals} \quad \frac{\text{lbs}}{\text{Qtr}}$$

TABLE 10
VOCS DETECTED IN VAPORS EXTRACTED BY SVE SYSTEM

Compound	Formula	Molecular Weight	Molecular Weight Contribution	VOCs*1	VOCs
		(lb/lbmole)	(lb/lbmole)	(ppb)	(as % of Total)
1,1-Dichloroethene	C2H2Cl2	96.9	1.9	21	2.0%
1,1-Dichloroethane	C2H4Cl2,	99.0	2.7	28.9	2.7%
cis-1,2-Dichloroethene	C2H2Cl2	96.9	4.9	53.3	5.0%
1,1,1-Trichloroethane	CH3CCl3	133.4	35.2	280	26.4%
Trichloroethene	C2HCl3	131.4	4.9	39.5	3.7%
Toluene	C7H8	92.1	17.0	196	18.5%
Tetrachloroethene	C2Cl4	165.8	17.1	109	10.3%
Ethylbenzene	C8H10	106.2	3.0	30.3	2.9%
Total Xylenes	C6H4(CH3)2	106.2	20.7	207	19.5%
n-Propylbenzene	C9H12	120.2	0.6	5	0.5%
1,3,5-Trimethylbenzene	C9H12	120.2	3.2	28.2	2.7%
1,2,4-Trimethylbenzene	C9H12	120.2	6.7	58.7	5.5%
n-Butylbenzene	C10C14	134.2	0.4	3.2	0.3%
					100.0%
Average Molecular Weight of Vapor			**118.3**	(lb/lbmole)	

*1 - based on January 22, 2006 analytical data

ANCHEM 1384

TABLE 11

FORMER ANGELES CHEMICAL COMPANY SITE

SOIL VAPOR EXTRACTION OPERATIONAL DATA

4th QUARTER 2005

DATE	VACUUM (INCH Hg)	CFM	HOURS OPERATED	PID (AVERAGE PPM/VOL)	VOLUME CUFT	VOLUME LITERS
10/20/2005	4.65	285	8		136,653	3,869,584
10/21/2005	4.65	285	6		102,490	2,902,188
10/22/2005	4.25	260	11		171,735	4,862,985
10/23/2005	4.25	260	24		374,694	10,610,149
10/24/2005	4.25	260	24		374,694	10,610,149
10/25/2005	4.25	260	3		46,837	1,326,269
10/26/2005	4.25	260	12		187,347	5,305,075
10/27/2005	4.25	260	8	408	124,898	3,536,716
10/28/2005	4.65	285	4		68,327	1,934,792
10/29/2005			0		0	0
10/30/2005	4.65	285	12		204,980	5,804,376
10/31/2005	4.25	260	24		374,694	10,610,149
11/1/2005	4.3	263	24	388	379,102	10,734,974
11/2/2005	4.25	260	24		374,694	10,610,149
11/3/2005	4.25	260	24		374,694	10,610,149
11/4/2005	4.25	260	24		374,694	10,610,149
11/5/2005	4.25	260	24		374,694	10,610,149
11/6/2005	4.2	257	24		370,286	10,485,324
11/7/2005	4.2	257	24		370,286	10,485,324
11/8/2005			0		0	0
11/9/2005	4.4	269	24	290	387,918	10,984,625
11/10/2005	4.25	260	24		374,694	10,610,149
11/11/2005	4.25	260	24		374,694	10,610,149
11/12/2005	4.25	260	24		374,694	10,610,149
11/13/2005	4.25	260	24		374,694	10,610,149
11/14/2005	4.05	248	24		357,061	10,110,848
11/15/2005	4.05	248	24		357,061	10,110,848
11/16/2005	4.05	248	24		357,061	10,110,848
11/17/2005	4.1	251	24	655	361,469	10,235,673
11/18/2005	4.1	251	24	345	361,469	10,235,673
11/19/2005	4.05	248	12	292	178,531	5,055,424
11/20/2005			0		0	0
11/21/2005			0		0	0
11/22/2005	4.25	260	12	92	187,347	5,305,075
11/23/2005	4.1	251	24		361,469	10,235,673
11/24/2005	4.1	251	24		361,469	10,235,673
11/25/2005	4.1	251	24		361,469	10,235,673
11/26/2005	4.1	251	24	292	361,469	10,235,673

ANCHEM1385

TABLE 11	CONTINUED				FORMER ANGELES CHEMICAL COMPANY SITE						
	SOIL VAPOR EXTRACTION DATA										
	4th QUARTER 2005										
11/27/2005		4.05		248		24			357,061		10,110,848
11/28/2005		3.9		239		24			343,837		9,736,372
11/29/2005		3.9		239		24			343,837		9,736,372
11/30/2005		3.95		242		24			348,245		9,861,197
12/1/2005		3.9		239		24	315		343,837		9,736,372
12/2/2005		3.9		239		24			343,837		9,736,372
12/3/2005		3.9		239		24	349		343,837		9,736,372
12/4/2005		3.9		239		24			343,837		9,736,372
12/5/2005		3.9		239		24			343,837		9,736,372
12/6/2005		3.9		239		12	356		171,918		4,868,186
12/7/2005						0			0		0
12/8/2005		3.85		236		12			169,714		4,805,773
12/9/2005		3.9		239		24			343,837		9,736,372
12/10/2005		3.85		236		24			339,429		9,611,547
12/11/2005		3.85		236		24			339,429		9,611,547
12/12/2005		3.85		236		24			339,429		9,611,547
12/13/2005		3.9		239		24			343,837		9,736,372
12/14/2005		3.9		239		24			343,837		9,736,372
12/15/2005		3.9		239		24	738		343,837		9,736,372
12/16/2005		3.8		233		24	2098		335,020		9,486,722
12/17/2005		3.8		233		24	1257		335,020		9,486,722
12/18/2005		3.8		233		24			335,020		9,486,722
12/19/2005		3.8		233		24			335,020		9,486,722
12/20/2005		3.8		233		24	1359		335,020		9,486,722
12/21/2005		3.6		220		24			317,388		8,987,421
12/22/2005		3.6		220		24			317,388		8,987,421
12/23/2005		3.6		220		24			317,388		8,987,421
12/24/2005		3.6		220		12	1483		158,694		4,493,710
12/25/2005						0			0		0
12/26/2005						0			0		0
12/27/2005		3.8		233		12			167,510		4,743,361
12/28/2005		3.7		227		24	2042		326,204		9,237,071
12/29/2005		3.7		227		24			326,204		9,237,071
12/30/2005		3.7		227		24			326,204		9,237,071
12/31/2005		3.7		227		24			326,204		9,237,071
Amount of VOCs Removed Between October 20, 2005 and December 31, 2005											
	Days Operated			Average CFM		Average Hours	Average PID Reading				
	79			247		18.96	750.5	ppm VOCs			

ANCHEM1386

APPENDIX A

ANCHEM1387

WELL GAUGING DATA

Project # 051216-SAM Date 12/16/05 Client Clean Soils

Site 8915 Sorensen Ave., Santa Fe Springs

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-4	4					26.59	26.63	TOC	
MW-6	4					29.90	30.24		
MW-8	4					33.26	40.69		
MW-9	4					33.56	45.99		
MW-10	4					33.00	40.59		
MW-11	2					32.71	39.81		Trans.
MW-12	2					33.28	43.96		Trans.
MW-13	2					40.33	62.47		Trans.
MW-14	2					40.72	62.49		
MW-15	2					42.14	62.20		
MW-16	2					32.23	45.22		
MW-17	2					38.83	66.20		
MW-20	2					39.68	67.33		
MW-21	2					41.20	63.10		Trans.
MW-22	2					39.88	40.10		
MW-23	4					37.65	80.14		
MW-24	4					40.98	76.90		

WELL GAUGING DATA

Project # 051216-SM Date 12/16/05 Client Clean Soils

Site 8915 Stewart & Gordon Ave., Santa Fe Springs

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-25	4					42.44	81.17	TOC	
MW-26	2					38.98	39.65	↓	
MW-18	2					34.85	45.84	↓	
MW-19	4		33.49	0.22		~~24.90~~ 33.71	~~30.34~~	↓	

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: AB	Date: 12-16-05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 40.69	Depth to Water (DTW): 33.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 457
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.75	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; 2" Rediflo pump; Extraction Pump; Other ___

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

Flow Rate= 1 GPM

4.8 (Gals.) X 3 = 14.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1041	24.2	7.04	1966	8	0.57	-174.3	5	
—	—	well	dewatered @		7	gallons	—	—

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 12-16-05 Sampling Time: 1415 Depth to Water: 33.45

Sample I.D.: MW-3 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): EB-1 @ 1100 Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: JA	Date: 12/16/05
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 45.99	Depth to Water (DTW): 33.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.04	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; 2" Rediflo pump; Extraction Pump; Other ___

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

Flow Rate= ~~1350~~ 2 gpm

8.0 (Gals.) X 3 = 24.6 Gals.
1 Casc Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1331	Start Purge							
1335	22.82	6.70	2683	8	0.22	-127.7	8	
1339	22.86	6.71	2893	5	0.15	-133.1	16	
1343	22.79	6.76	2921	6	0.20	-130.2	24	

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 12/16/05 Sampling Time: 1350 Depth to Water: 35.91

Sample I.D.: MW-9 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: AB	Date: 12-16-05
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 40.59	Depth to Water (DTW): 33.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.52	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Rediflo pump, Extraction Pump, Other ___

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

Flow Rate= 1 GPM

4.9 (Gals.) X 3 = 14.7 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
0958	24.65	6.84	1676	6	0.56	-104.4	5	
1003	24.76	6.93	1670	11	1.43	-151.9	10	
— well dewatered @ 14 gallons —								

Did well dewater? (Yes) No Gallons actually evacuated: 14

Sampling Date: 12-16-05 Sampling Time: 1405 Depth to Water: 33.15

Sample I.D.: MW-10 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 39.81	Depth to Water (DTW): 32.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.13	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Redi-flo pump, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

Flow Rate= 0.5 GPM

1.1 (Gals.) X 3 = 3.3 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1341	Start purge							
1344	23.75	6.60	~~23.758~~ 1939	19	0.23	-152.7	1.5	
1346	24.01	6.63	1908	17	0.20	-161.7	2.5	
1348	24.08	6.65	1872	12	0.18	-163.4	3.5	

Did well dewater? Yes (No) Gallons actually evacuated: 3.5

Sampling Date: 12/16/05 Sampling Time: 1255 Depth to Water: 33.58

Sample I.D.: MW-11 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): MW-1

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

WELL MONITORING DATA SHEET

Project #: 0512	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 43.96	Depth to Water (DTW): 33.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.41	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo Pump (circled) / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer (circled) / Extraction Port / Dedicated Tubing / Other:

Flow Rate: 0.5 GPM

1.7 (Gals.) X 3 = 5.1 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1200	Start Purge						2	Odor
1204	23.00	6.88	1149	33	0.16	-172.1	2	Odor
1208	23.45	6.86	1171	27	0.15	498.2	4	
1212	23.49	6.85	1175	18	0.13	-213.6	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 12/16/05 Sampling Time: 1115 Depth to Water: 33.47

Sample I.D.: MW-12 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-13	Well Diameter (2) 3 4 6 8 ___
Total Well Depth (TD): 62.47	Depth to Water (DTW): 40.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 44.75	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

Flow Rate= (1167) ~~110 mL~~ 1 gpm

3.5 (Gals.) X	3	=	10.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1007	Start	Purge		*				
1010	22.63	6.92	1979	>1000	3.64	20.5	3.5	
1014	22.67	6.92	1982	865	3.80	7.1	7	
1017	22.70	6.92	1985	527	3.84	2.9	10.5	

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 12/16/05 Sampling Time: 1025 Depth to Water: 40.48

Sample I.D.: MW-13 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SM1	Site: Angeles Chemical Co.
Sampler: AB	Date: 12-16-05
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): 62.49	Depth to Water (DTW): 40.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.07	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Rediflo Pump, Extraction Pump, Other ___

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

Flow Rate= 1 GPM

3.5 (Gals.) X 3 = 10.5 Gals.
1 Casc Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or uS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1256	22.67	7.06	2230	55	4.26	-96.5	4	
1300	22.72	7.04	2224	38	4.24	-100.1	8	
1303	22.72	7.03	2223	29	4.28	-104.5	11	

Did well dewater? Yes No	Gallons actually evacuated: 11
Sampling Date: 12-16-05 Sampling Time: 1310	Depth to Water: 40.79
Sample I.D.: MW-14	Laboratory: STS
Analyzed for:	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
FB I.D. (if applicable): @ Time	Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 62.20	Depth to Water (DTW): 42.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.15	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other:

Flow Rate= 1 GPM

3.2 (Gals.) X 3 = 9.6 Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1602	Start Purge							
1605	22.68	6.84	2186	41	0.18	-180.5	3.5	
1608	22.80	6.82	2178	30	0.16	-173.4	7	
1612	22.84	6.81	2168	29	0.13	-169.2	10	

Did well dewater? Yes (No) Gallons actually evacuated: 10

Sampling Date: 12/16/05 Sampling Time: 1620 Depth to Water: 43.19

Sample I.D.: MW-15 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-541	Site: Angeles Chemical Co.
Sampler: MB	Date: 12-16-05
Well I.D.: MW-16	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 45.22	Depth to Water (DTW): 32.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.83	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump (circled) / Extraction Pump / Other ____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing (circled) / Other: ____

Flow Rate= 1 GPM

2.1 (Gals.) X 3 = 6.3 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1449	22.92	6.78	2188	836	0.27	-148.5	3	
1452	23.38	6.77	2290	>1000	0.81	-158.5	6	
1453	23.52	6.76	2336	>1000	0.69	-160.0	7	
1455	23.58	6.75	2362	>1000	0.62	-161.9	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Date: 12-16-05 Sampling Time: 1510 Depth to Water: 34.72

Sample I.D.: MW-16 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-541	Site: Angeles Chemical Co.
Sampler: AS	Date: 12-16-05
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 66.26	Depth to Water (DTW): 38.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 44.31	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Rediflo pump (circled), Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing (circled), Other:_____

Flow Rate= 1 GPM

4.4 (Gals.) X 3 = 13.2 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1338	22.70	6.97	2546	41	3.50	-105.6	5	
1343	22.81	6.97	2506	7	3.89	-108.6	10	
1346	22.83	6.97	2494	4	3.88	-110.0	14	

Did well dewater? Yes No (circled) Gallons actually evacuated: 14

Sampling Date: 12-16-05 Sampling Time: 1355 Depth to Water: 39.94

Sample I.D.: MW-17 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: AB	Date: 12-16-05
Well I.D.: MW-20	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 67.33	Depth to Water (DTW): 39.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.21	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Redi(flo) pump, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing ~~New tubing~~, Other:

Flow Rate= 1 GPM

4.4 (Gals.) X 3 = 13.2 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1038	22.91	7.05	2300	70	2.83	-91.5	5	
1043	22.99	7.04	2301	36	3.37	-97.0	10	
1047	22.96	7.03	2298	15	3.56	-102.4	14	

Did well dewater? Yes (No)		Gallons actually evacuated: 14	
Sampling Date: 12-16-05	Sampling Time: 1155	Depth to Water: 40.00	
Sample I.D.: MW-20		Laboratory: STS	
Analyzed for:		Other:	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
D.O. (if req'd):	Pre-purge: mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge:	mV

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

ANCHEM1400

WELL MONITORING DATA SHEET

Project #: 051216-SA1	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-22	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 40.10	Depth to Water (DTW): 39.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo Pump / Extraction Pump / Other ___

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ___

Flow Rate: No Purge

___ (Gals.) X ___ = ___ Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
— Insufficient water to purge, No sample taken —								
1145	— No Sample taken —							

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 12/16/05 Sampling Time: 1145 Depth to Water: 39.88

Sample I.D.: MW-22 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 051216-SAM	Site: Angeles Chemical Co.
Sampler: SA	Date: 12/16/05
Well I.D.: MW-26	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 39.65	Depth to Water (DTW): 38.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / ~~Disposable Bailer~~ / ~~Positive Air Displacement~~ / ~~Electric Submersible~~ / Waterra / ~~2" Rediflo pump~~ / ~~Extraction Pump~~ / ~~Other~~

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other:

Flow Rate: No Purge

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°C)	pH	Cond. (mS or uS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1205	20.01	6.52	1996	71000	6.10	-92.3	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 12/16/05 Sampling Time: 1205 Depth to Water: 38.98

Sample I.D.: MW-26 Laboratory: STS

Analyzed for: See Scope Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Clean Soils			PROJECT NUMBER	~~051217~~ 051216 SM		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Flowcell	05F1258	12-16-05 0910	pH 4 7 10	3.98 7.02 10.08	~~12.57~~ 4 ~~12.41~~ 7 ~~12.63~~ 10	12.87 12.43 12.43	AB AB
			Cond 3900	3129	3900	14.80	AB
			ORP 245	249.0	245.0	13.06	AB
			DO	103.3%	99.7	13.22	AB

ANCHEM1403

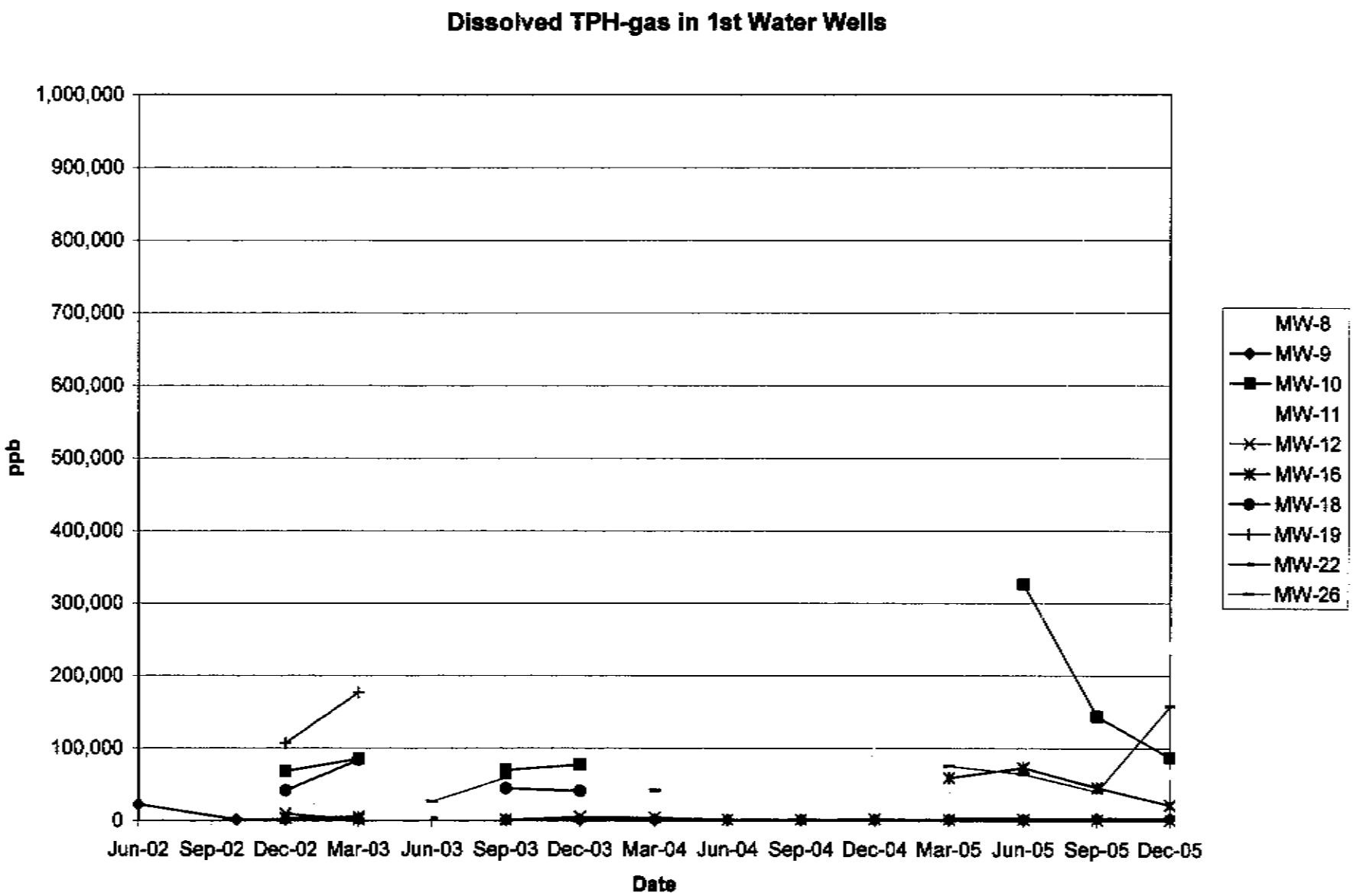
TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Rogers Chemical Company				PROJECT NUMBER 051216-SA			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP(°C)	INITIALS
YSI-556 Flow Cell	6	12/16/05 0915	pH 4 7 10	3.60 6.80 10.20	✓ ✓ ✓	14.5	SB
↓	↓	0918	Cond. 8900 µS	9671 µS	✓	15.0	SB
↓	↓	0920	ORP 244mV	244.1	✓	15.0	SB
↓	↓	0922	D.O.	97.1 %	✓	15.1	SB

ANCHEM1404

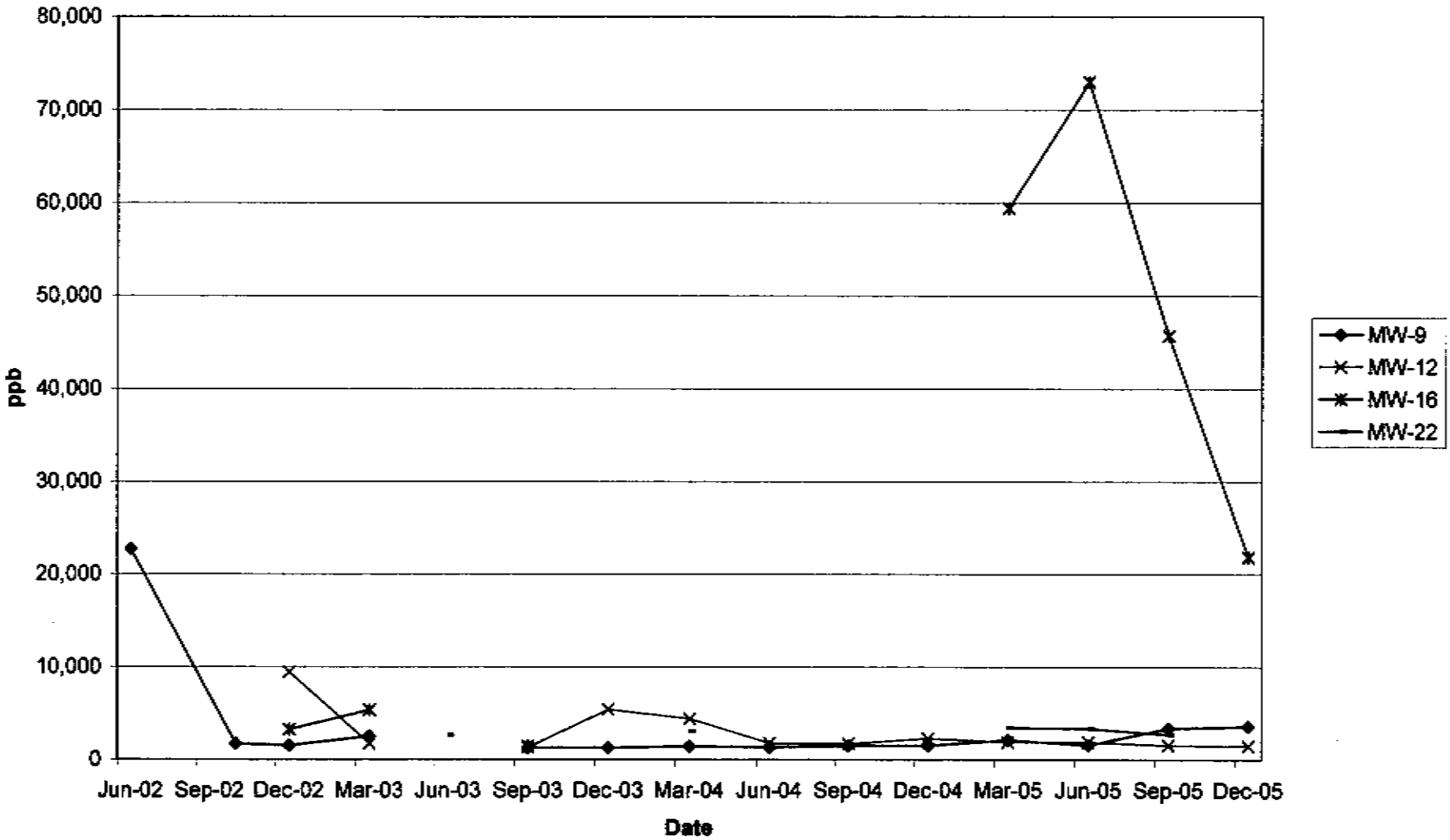
APPENDIX B

ANCHEM1405

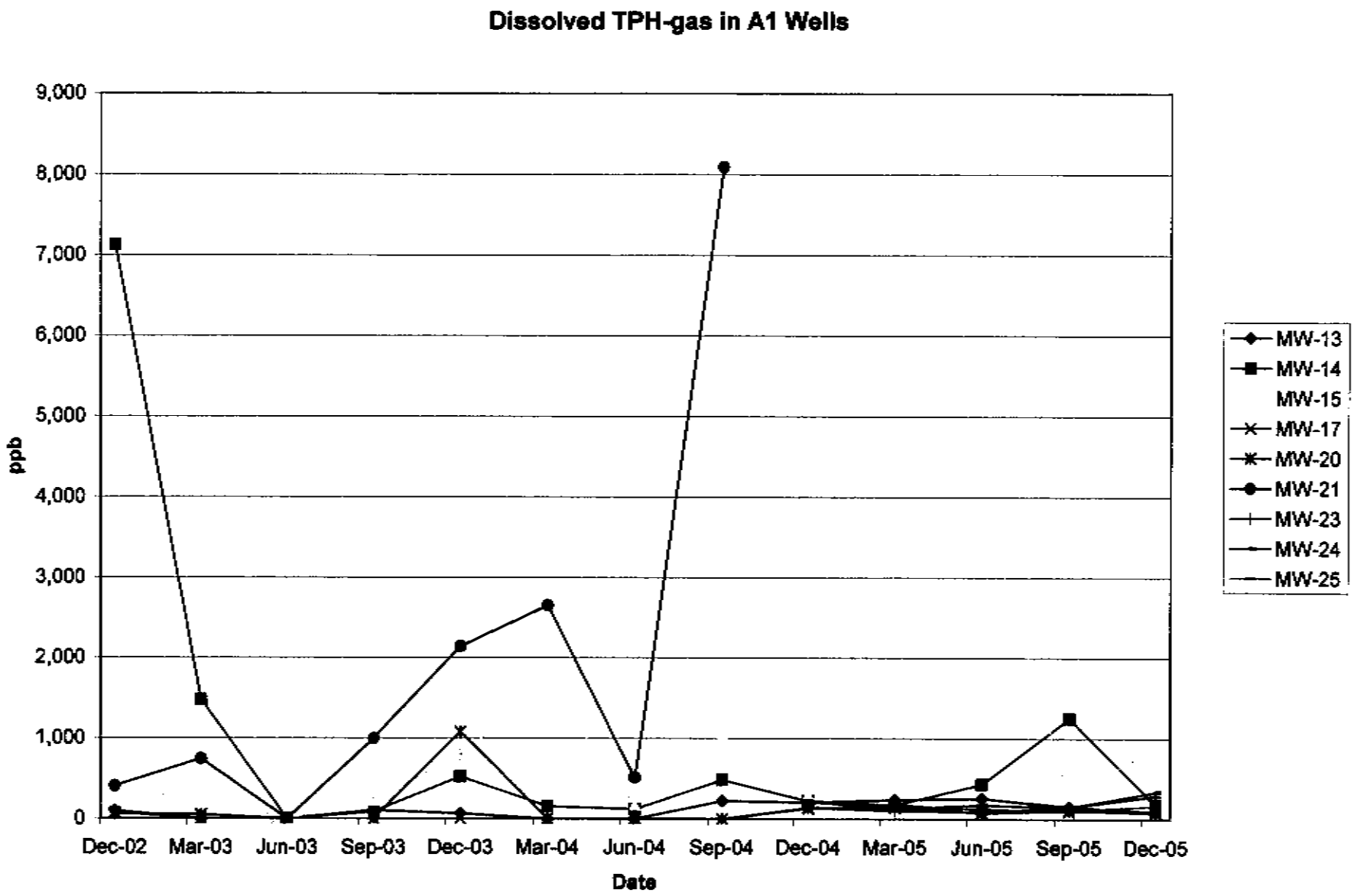

Dissolved TPH-gas in 1st Water Wells
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1406

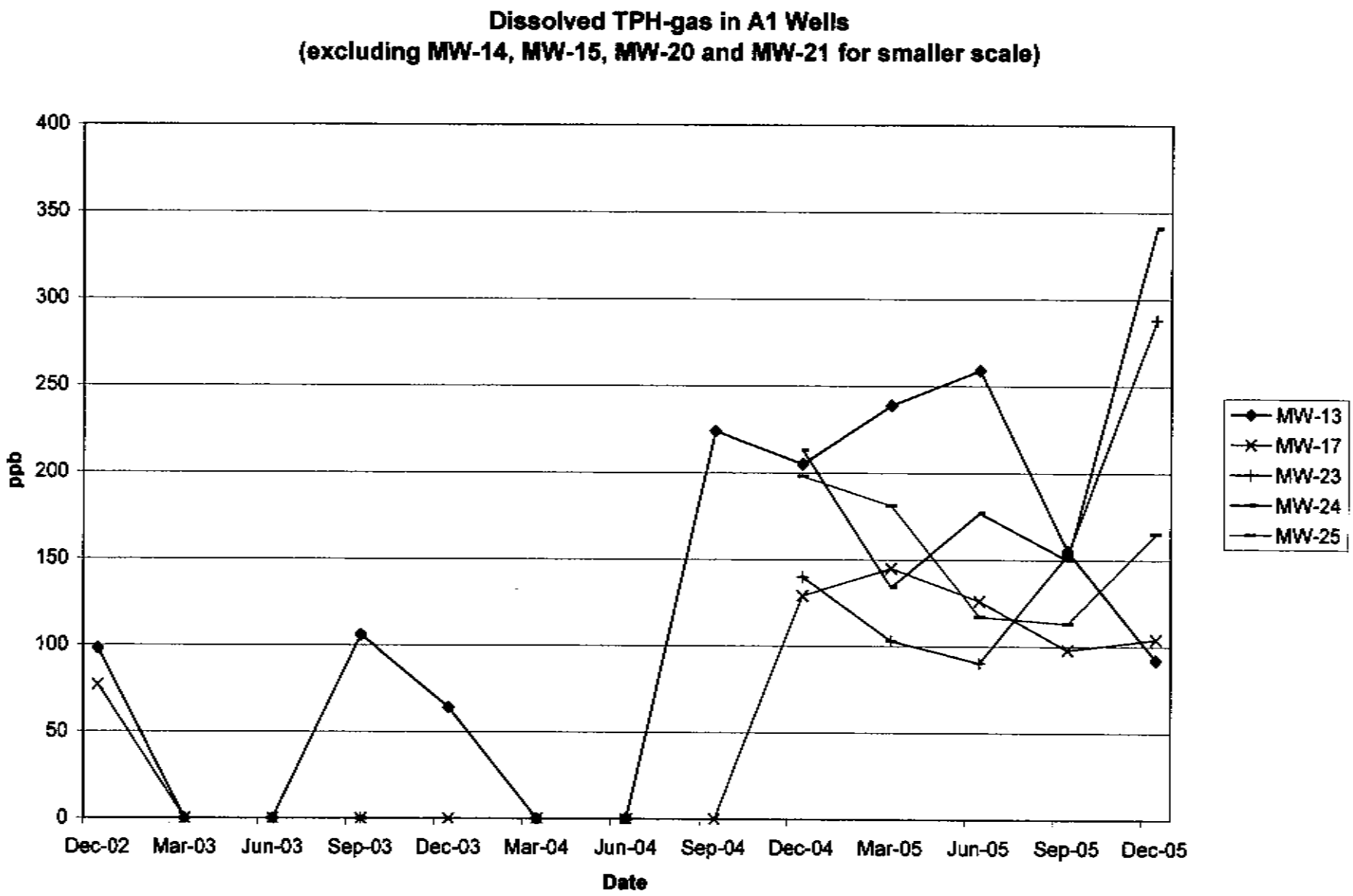
Dissolved TPH-gas in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)



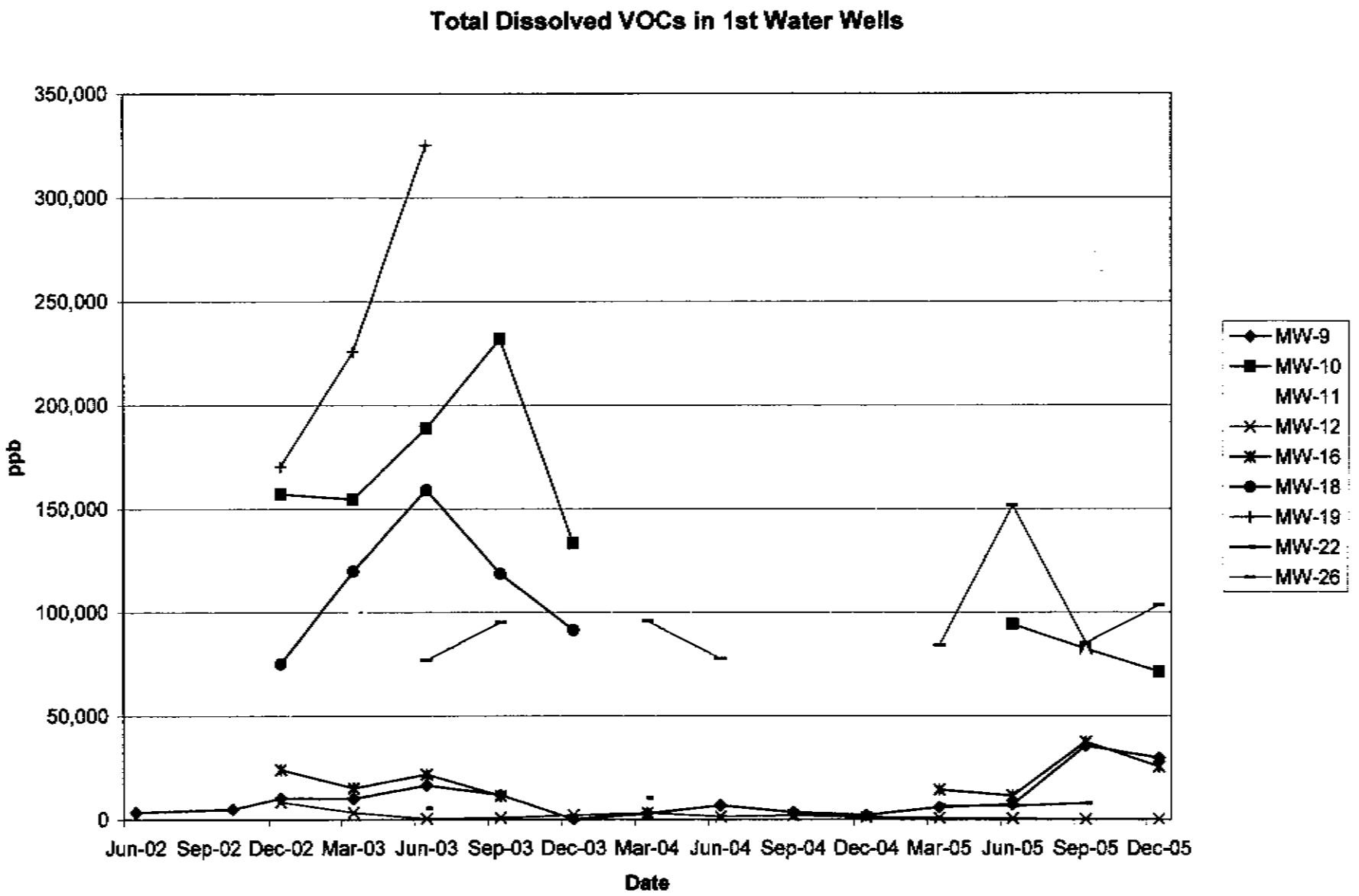
ANCHEM1407


Dissolved TPH-gas in A1 Wells
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

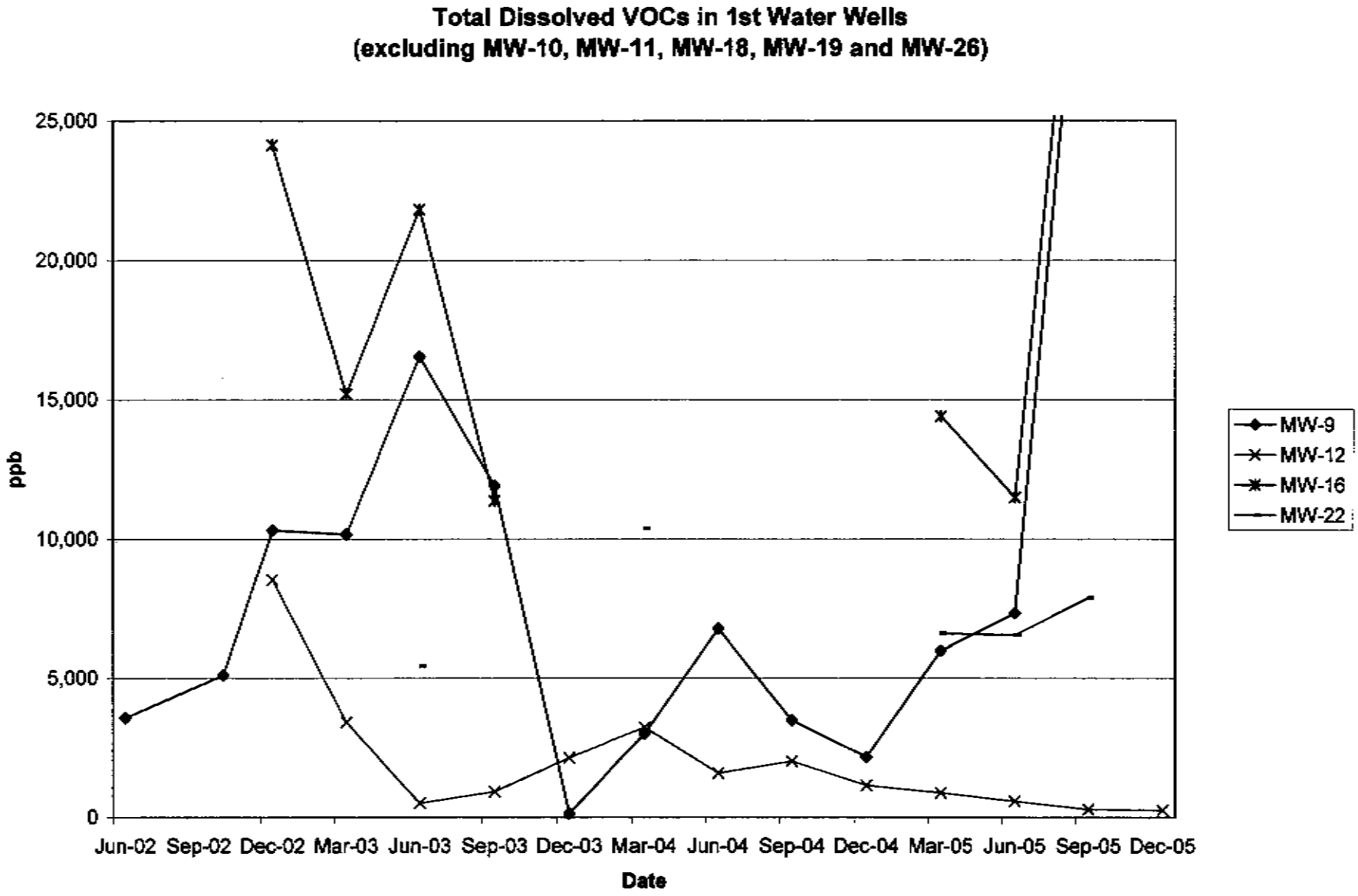
ANCHEM1408


Dissolved TPH-gas in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
ppb
400
350
300
250
200
150
100
50
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-17
MW-23
MW-24
MW-25

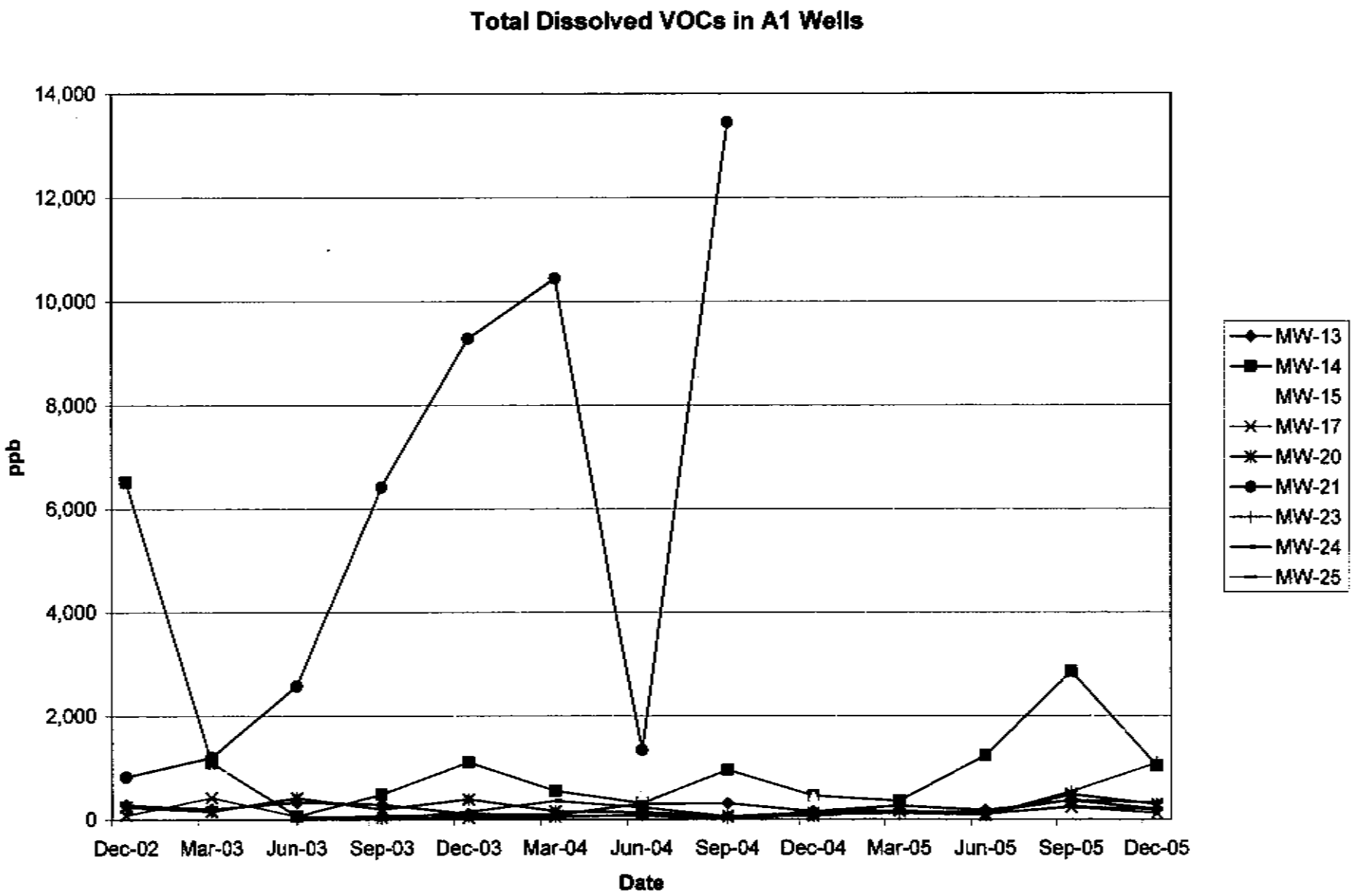
ANCHEM1409


Total Dissolved VOCs in 1st Water Wells
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

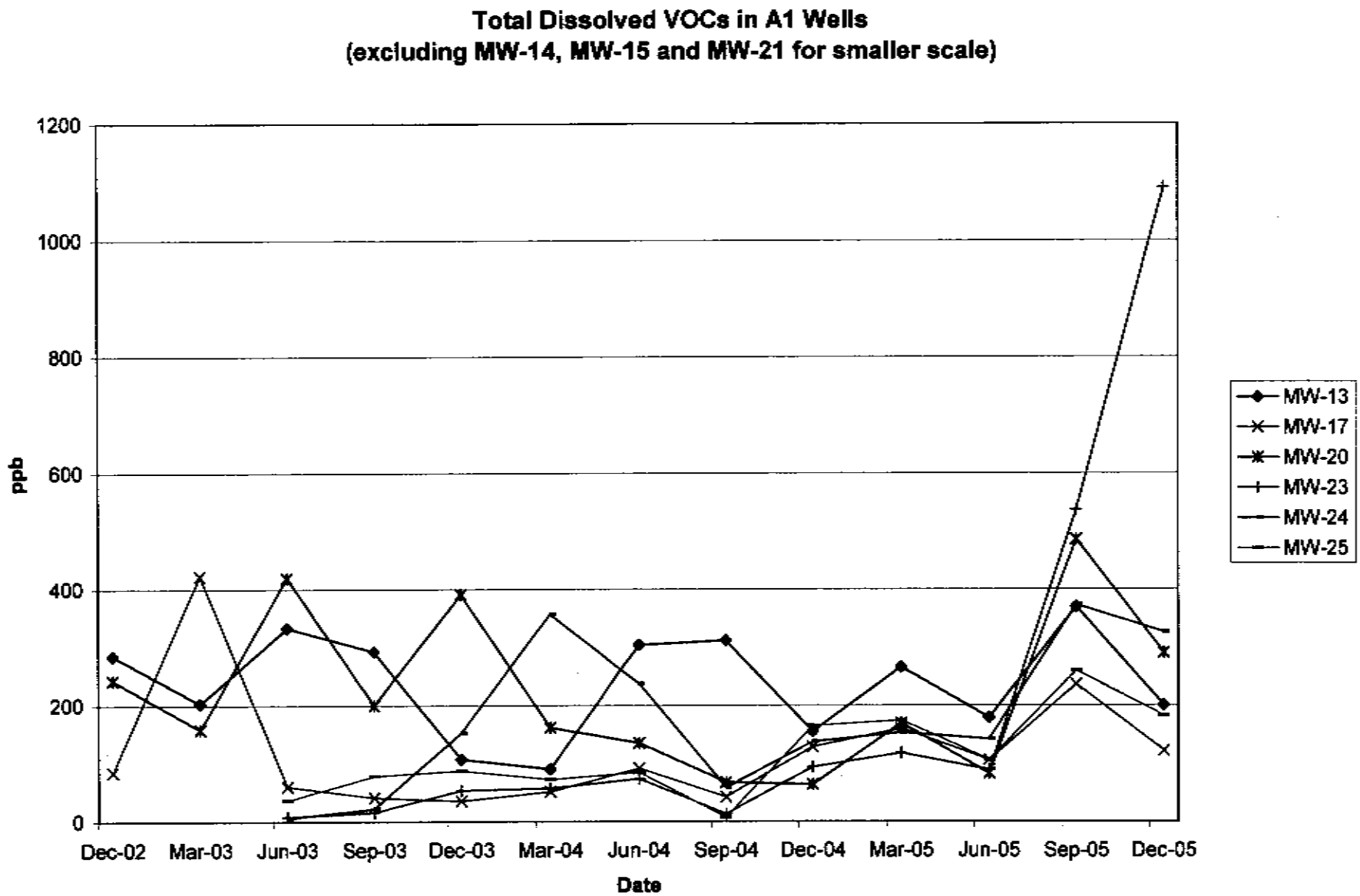
ANCHEM1410


Total Dissolved VOCs in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26)
25,000
20,000
15,000
10,000
5,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-12
MW-16
MW-22

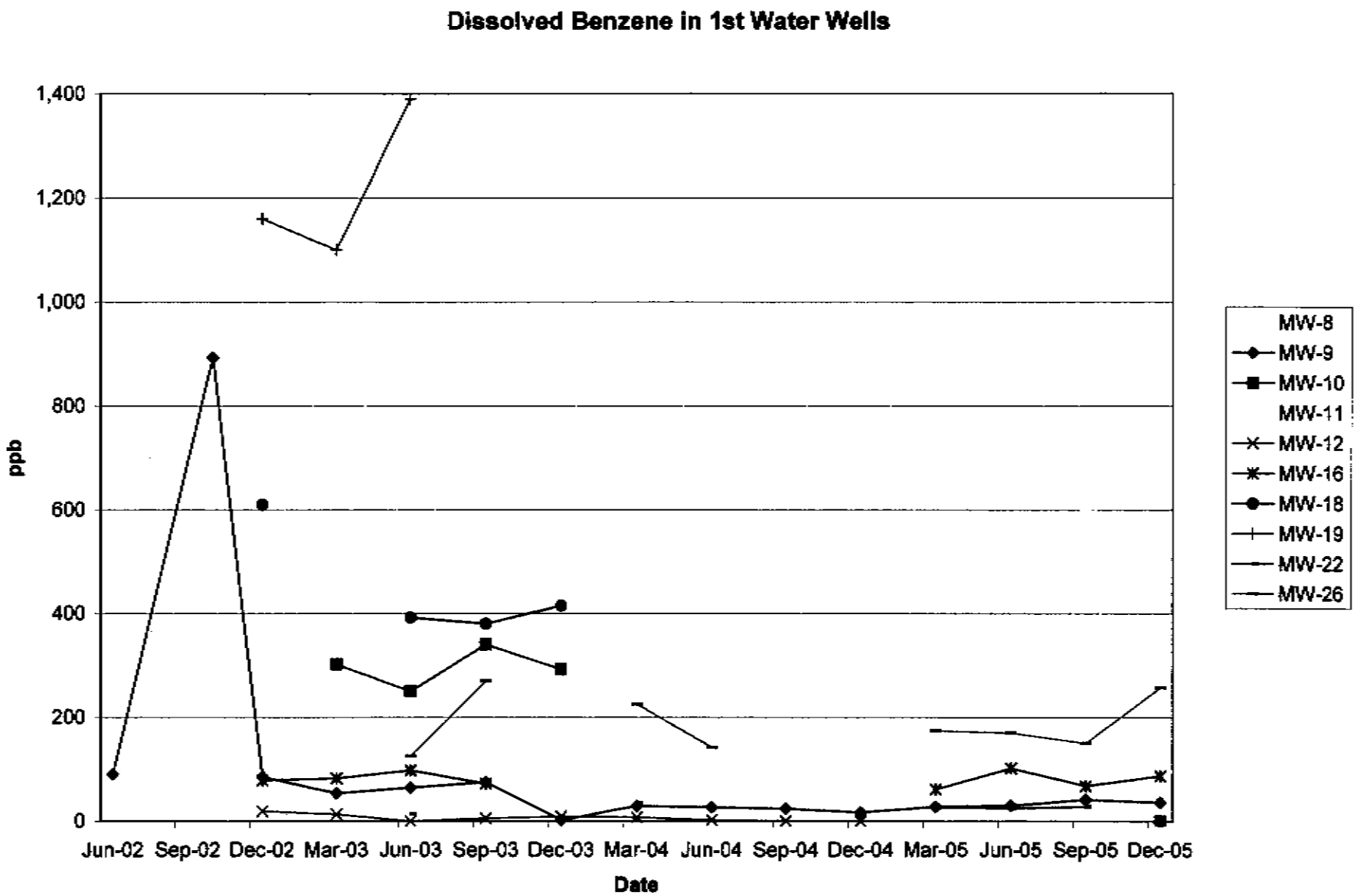
ANCHEM1411


Total Dissolved VOCs in A1 Wells
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

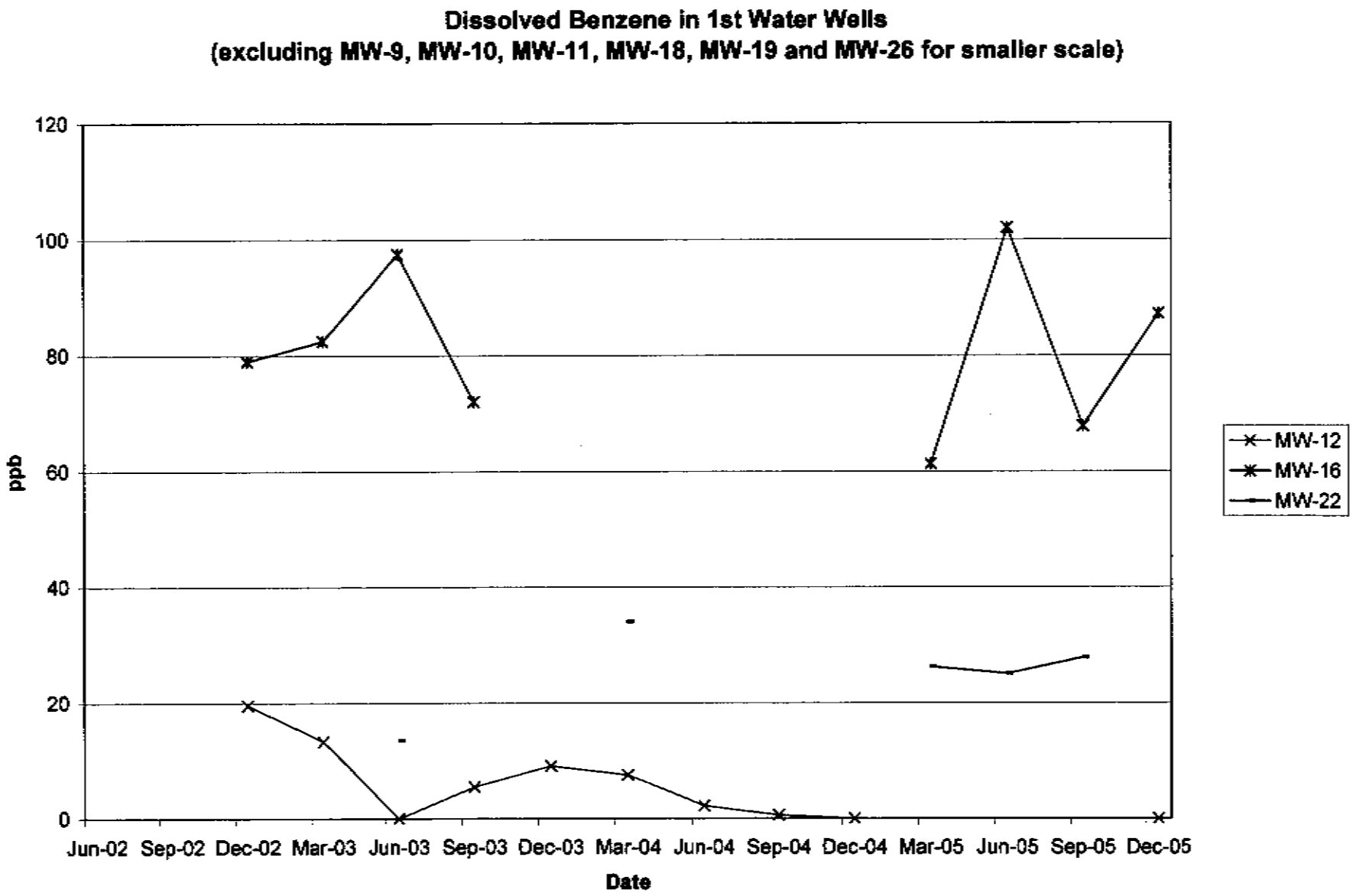
ANCHEM1412


Total Dissolved VOCs in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
1200
1000
800
600
400
200
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25

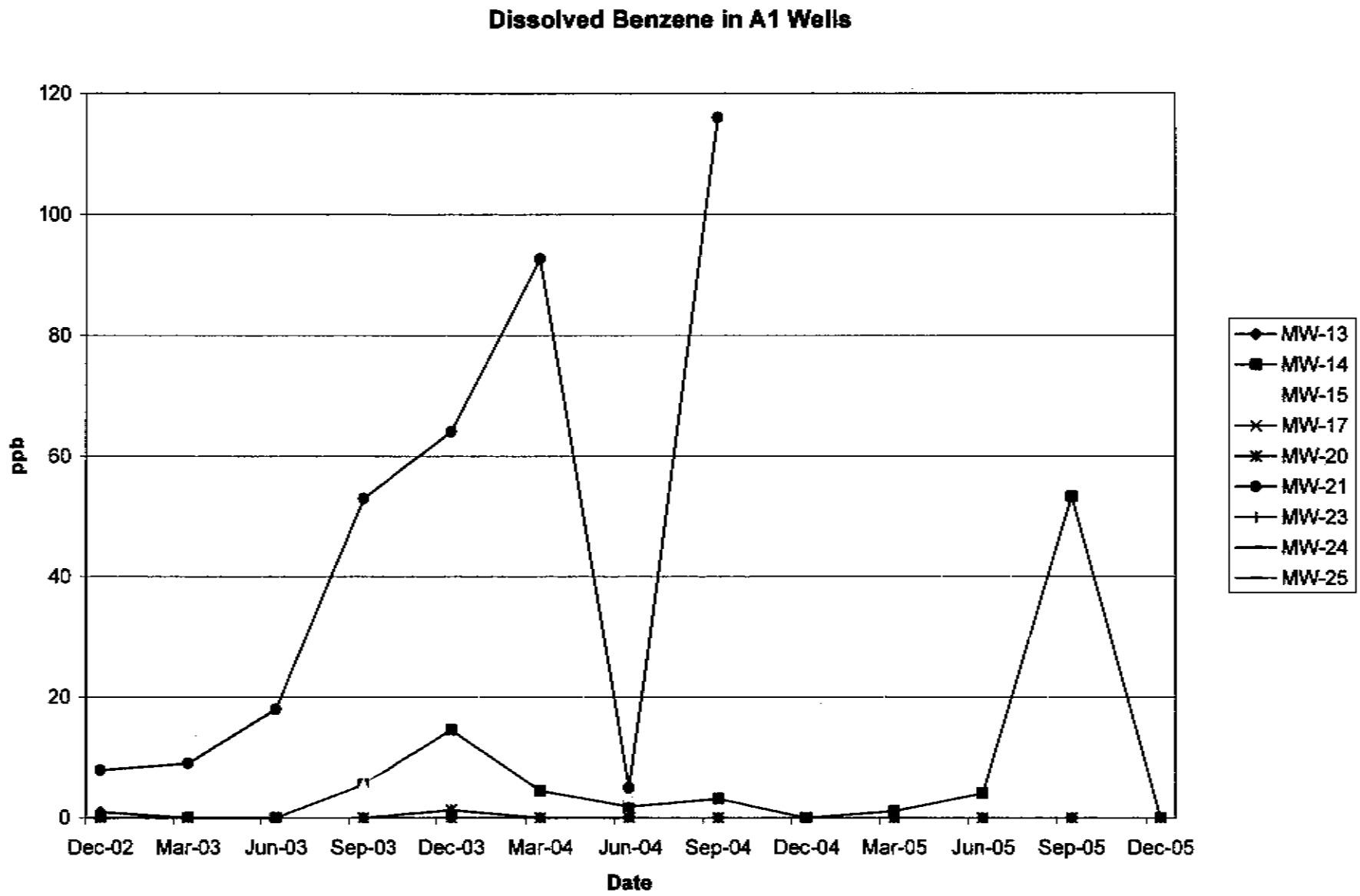
ANCHEM1413


Dissolved Benzene in 1st Water Wells
1,400
1,200
1,000
800
600
400
200
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

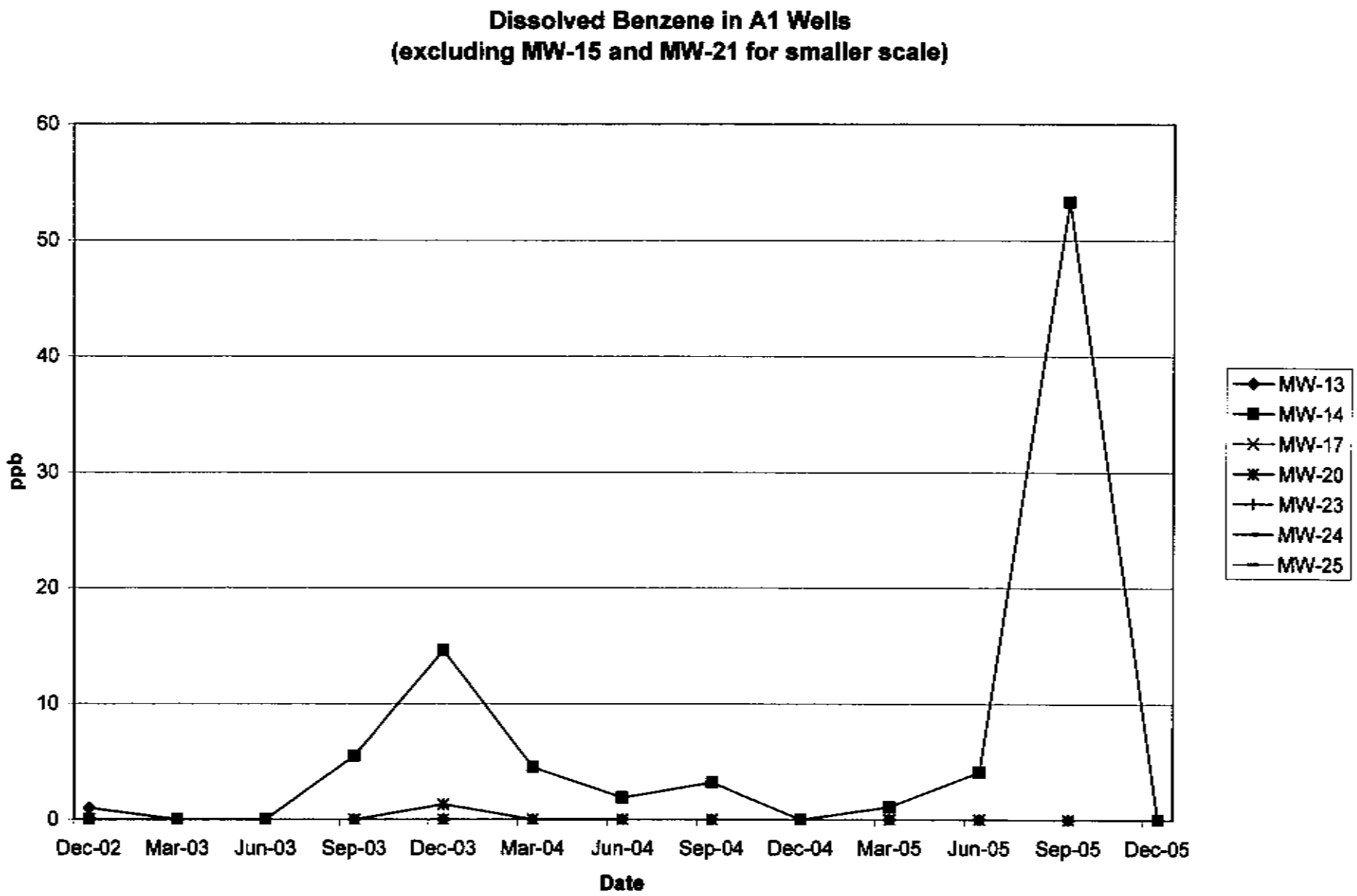
ANCHEM1414


Dissolved Benzene in 1st Water Wells
(excluding MW-9, MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
120
100
80
60
40
20
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-12
MW-16
MW-22

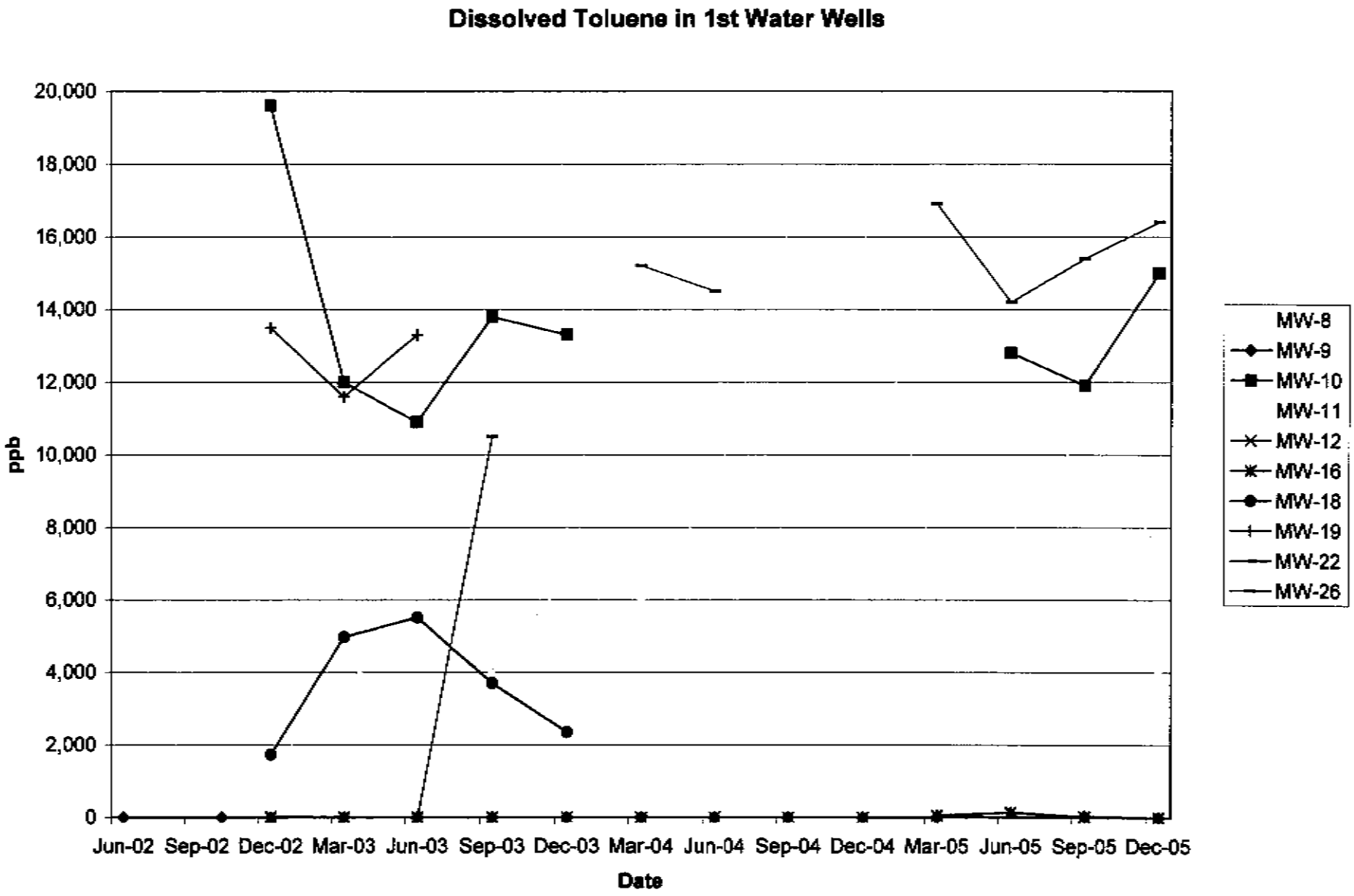
ANCHEM1415


Dissolved Benzene in A1 Wells
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

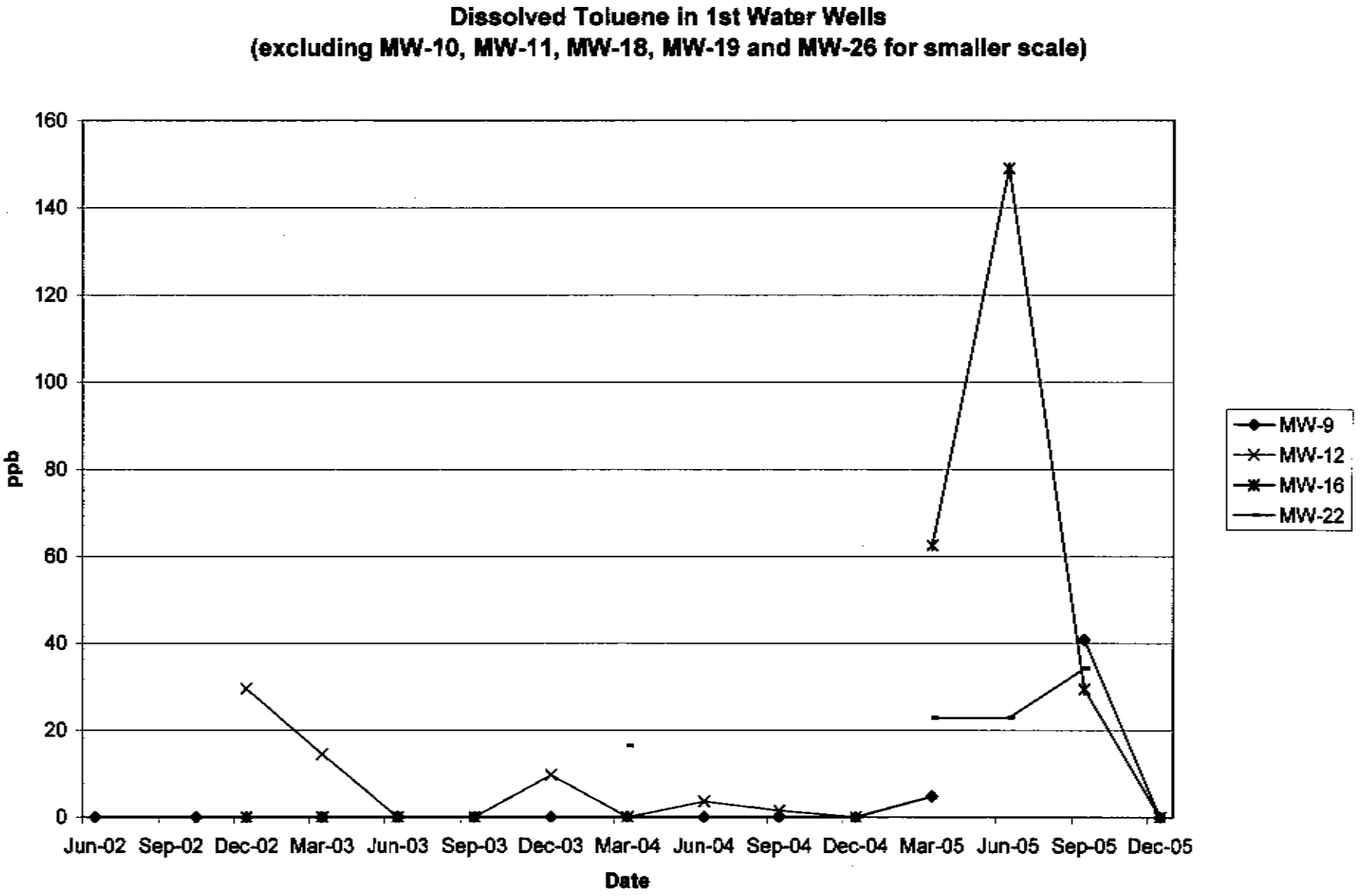
ANCHEM1416


Dissolved Benzene in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)
ppb
60
50
40
30
20
10
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

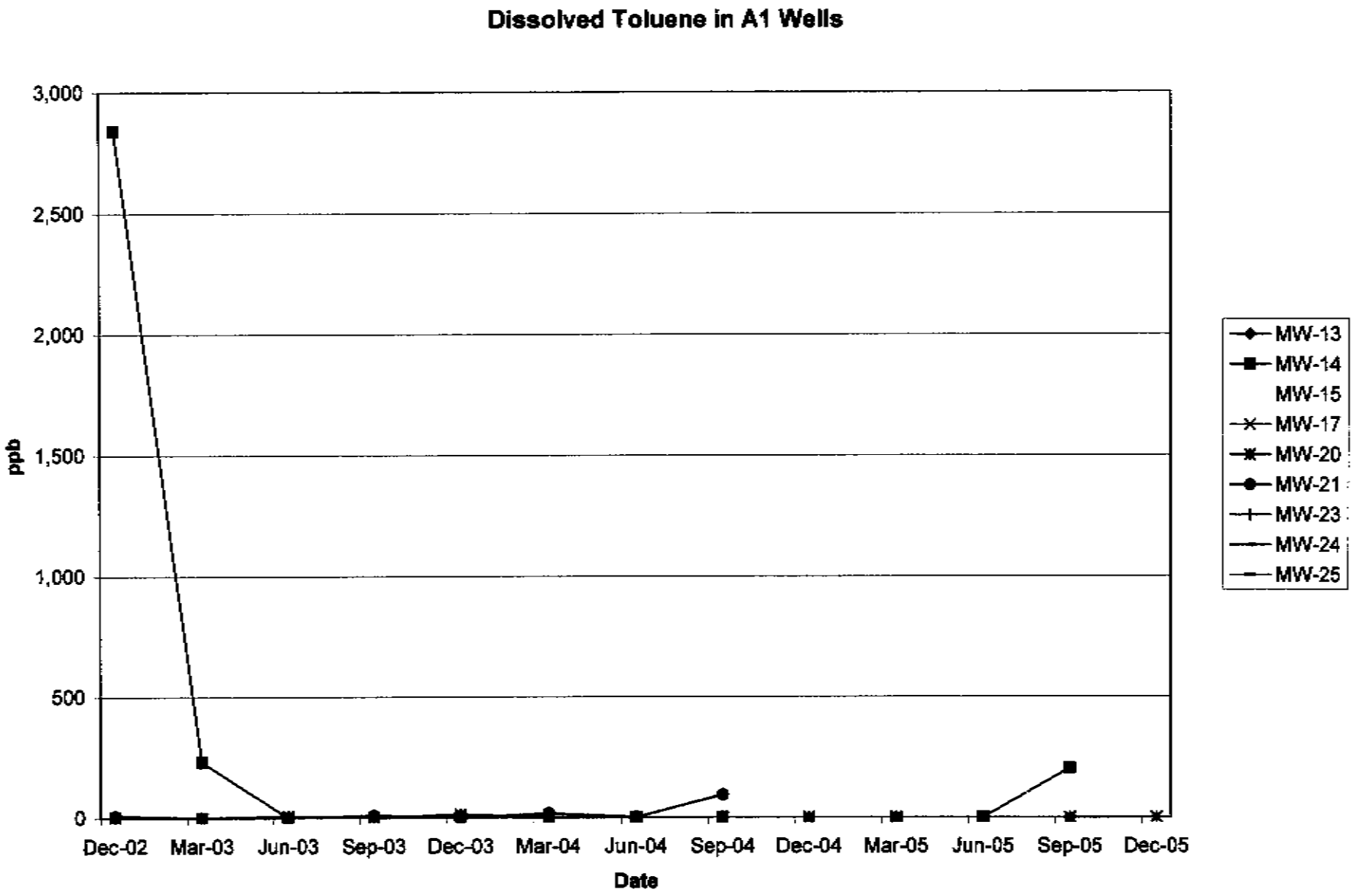
ANCHEM1417


Dissolved Toluene in 1st Water Wells
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

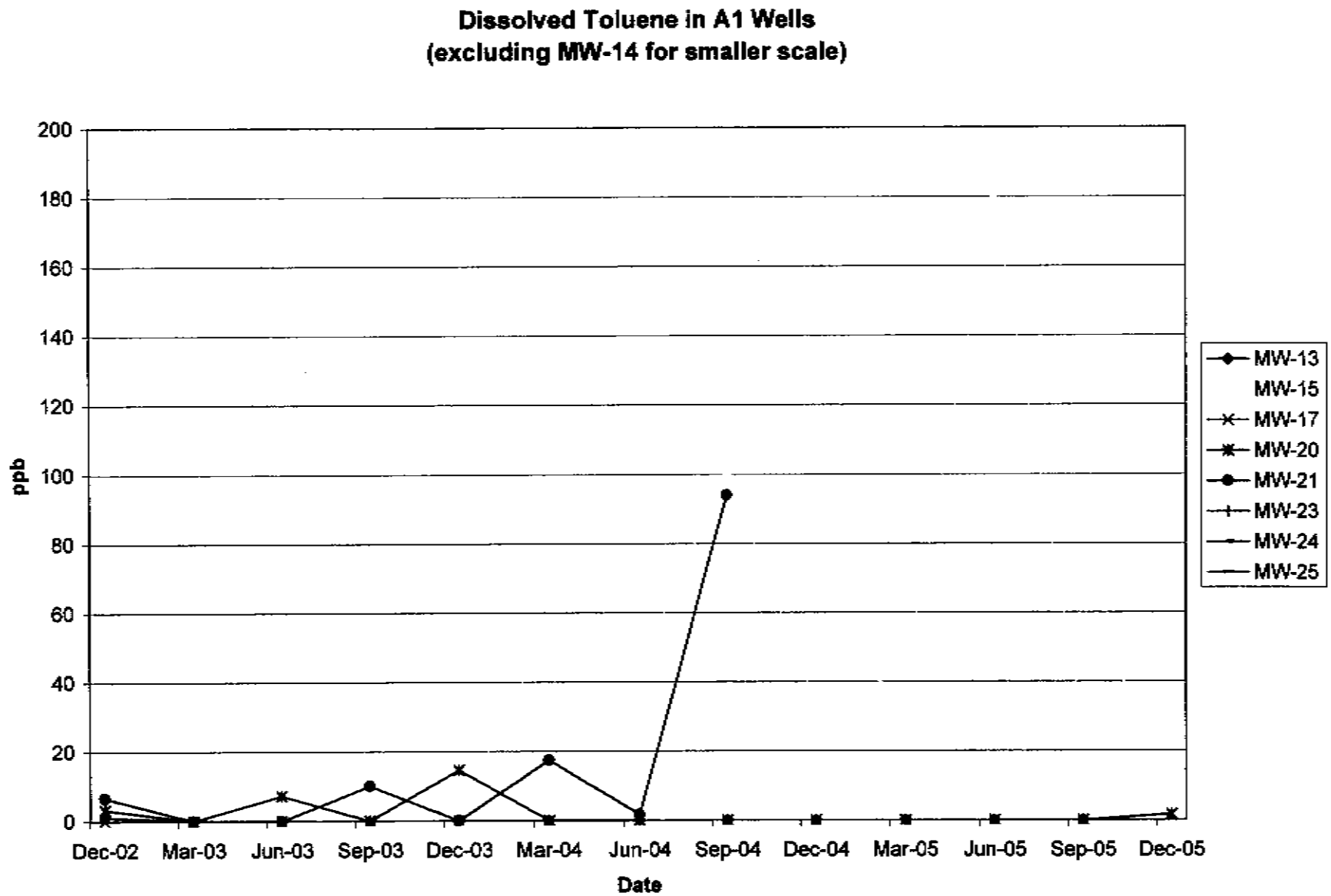
ANCHEM1418


Dissolved Toluene in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
ppb
160
140
120
100
80
60
40
20
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-12
MW-16
MW-22

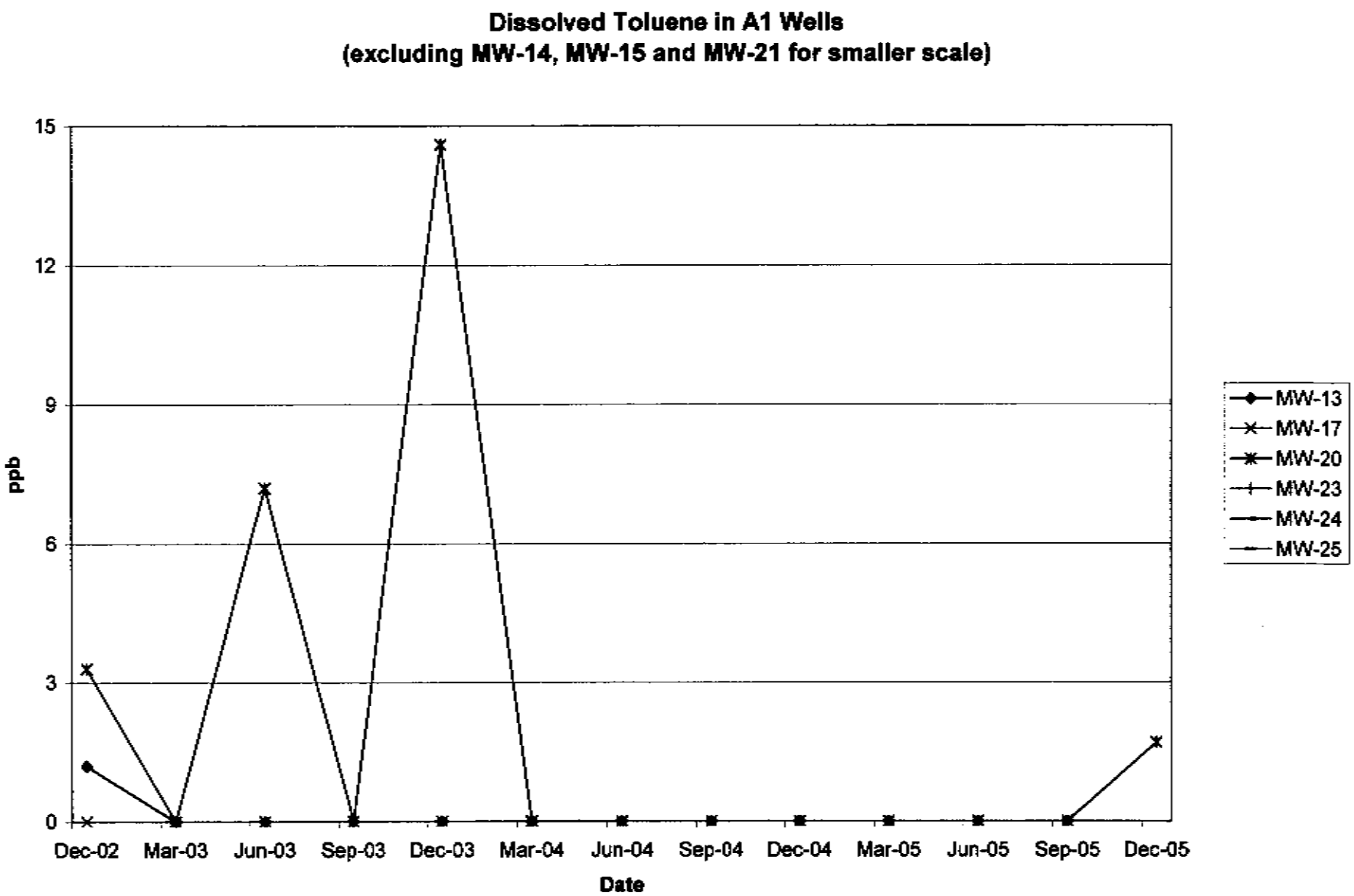
ANCHEM1419


Dissolved Toluene in A1 Wells
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

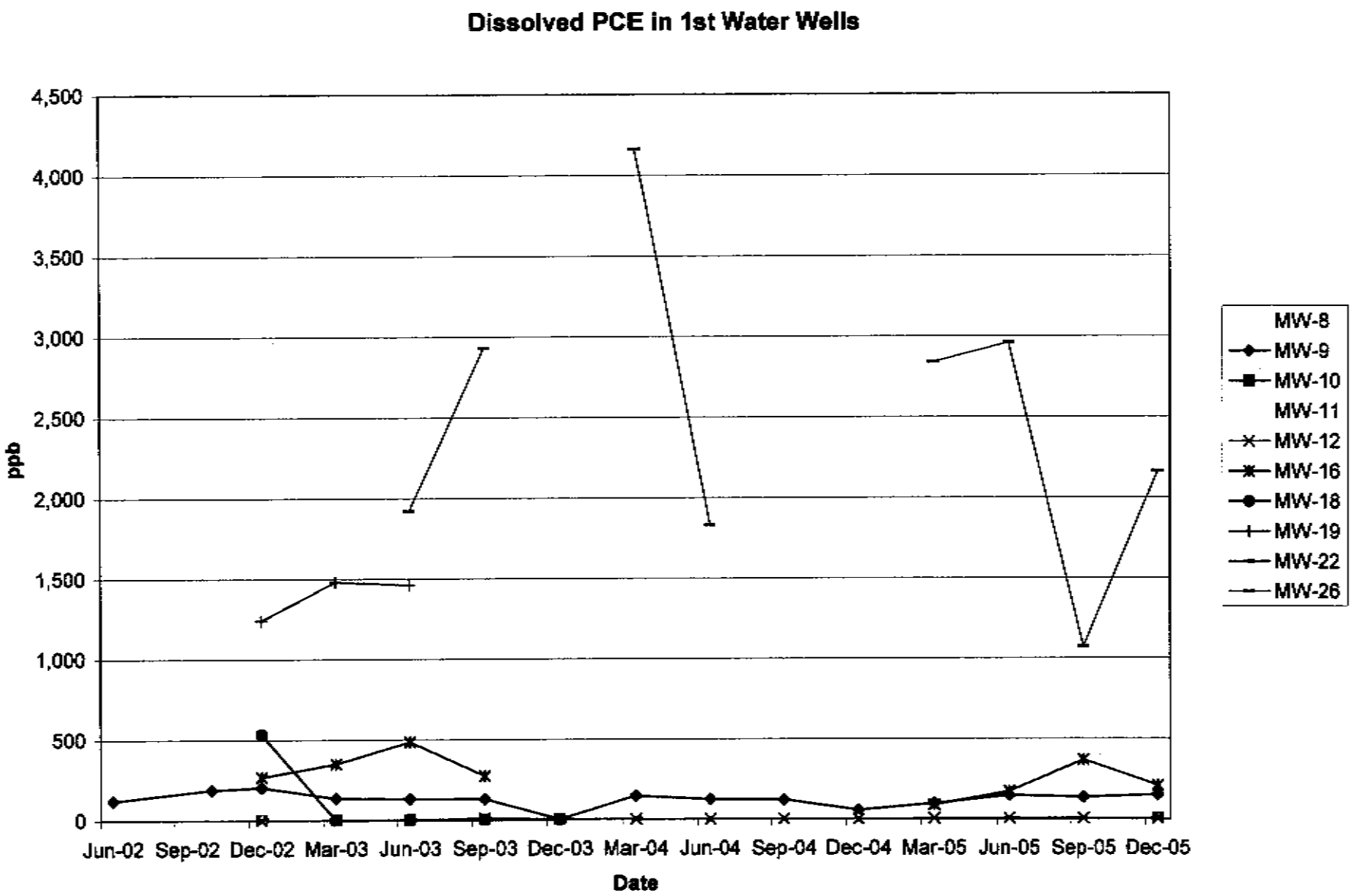
ANCHEM1420


Dissolved Toluene in A1 Wells
(excluding MW-14 for smaller scale)
ppb
200
180
160
140
120
100
80
60
40
20
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

ANCHEM1421

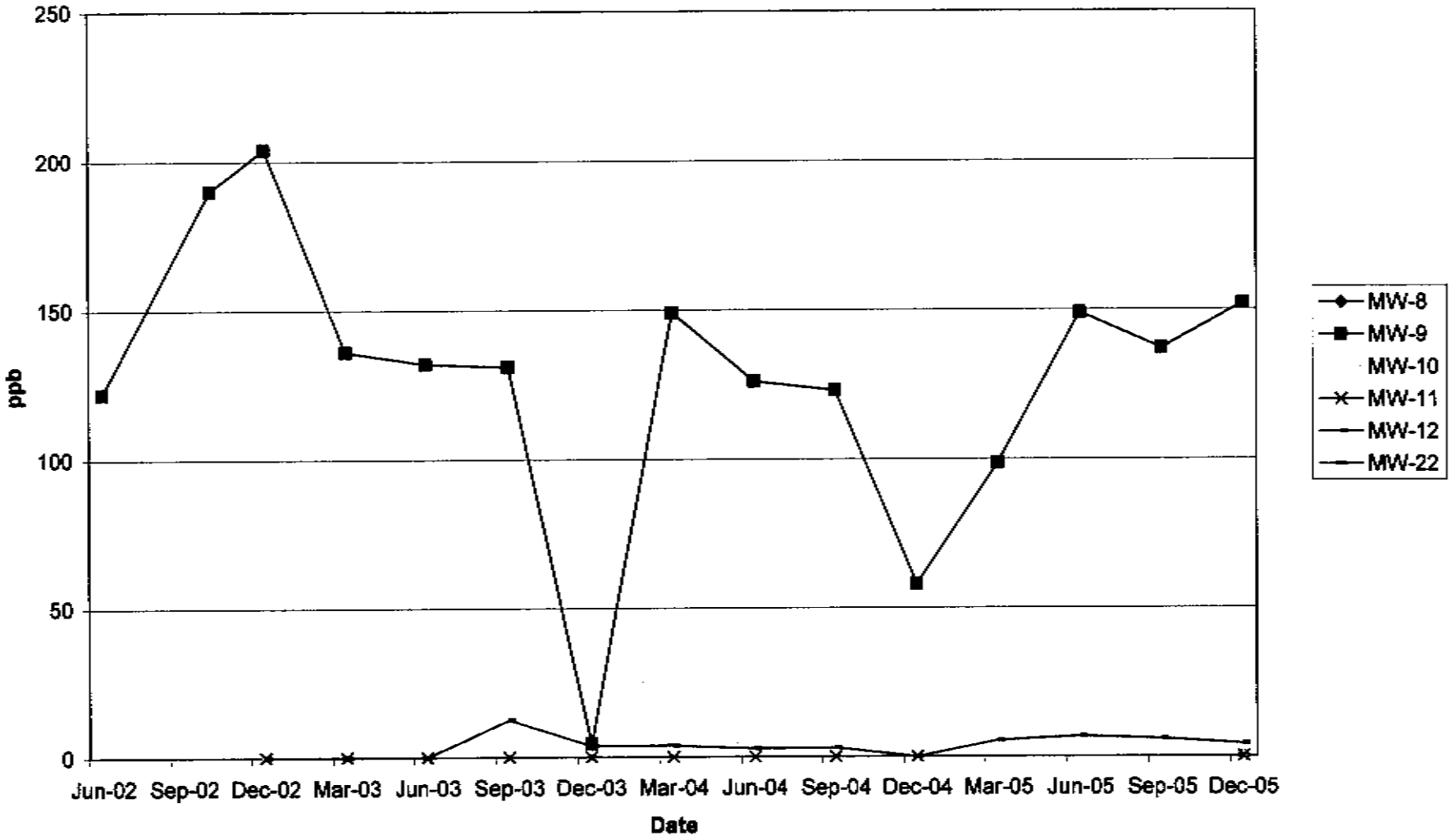

Dissolved Toluene in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
ppb
15
12
9
6
3
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25

ANCHEM1422

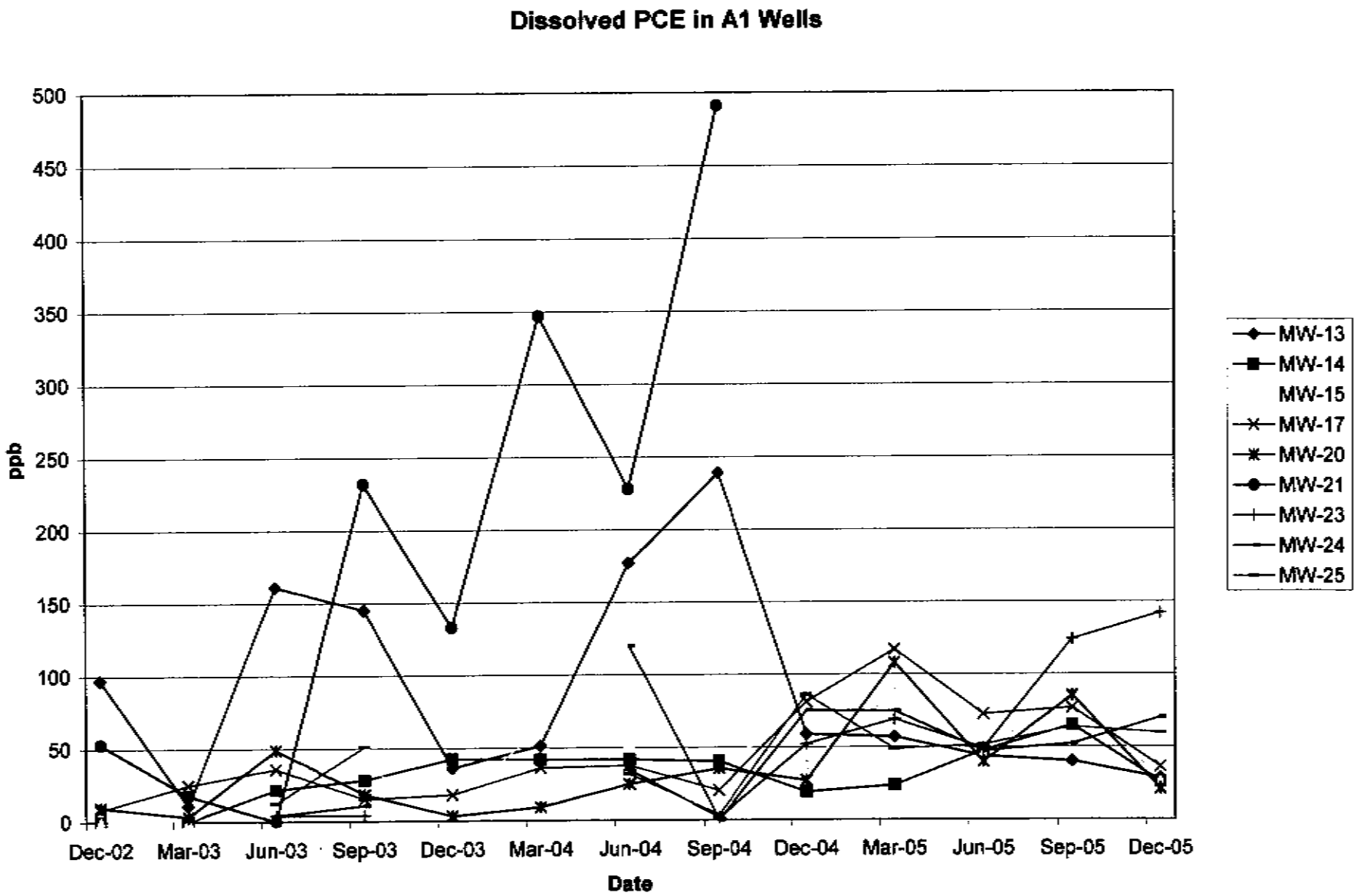

Dissolved PCE in 1st Water Wells
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

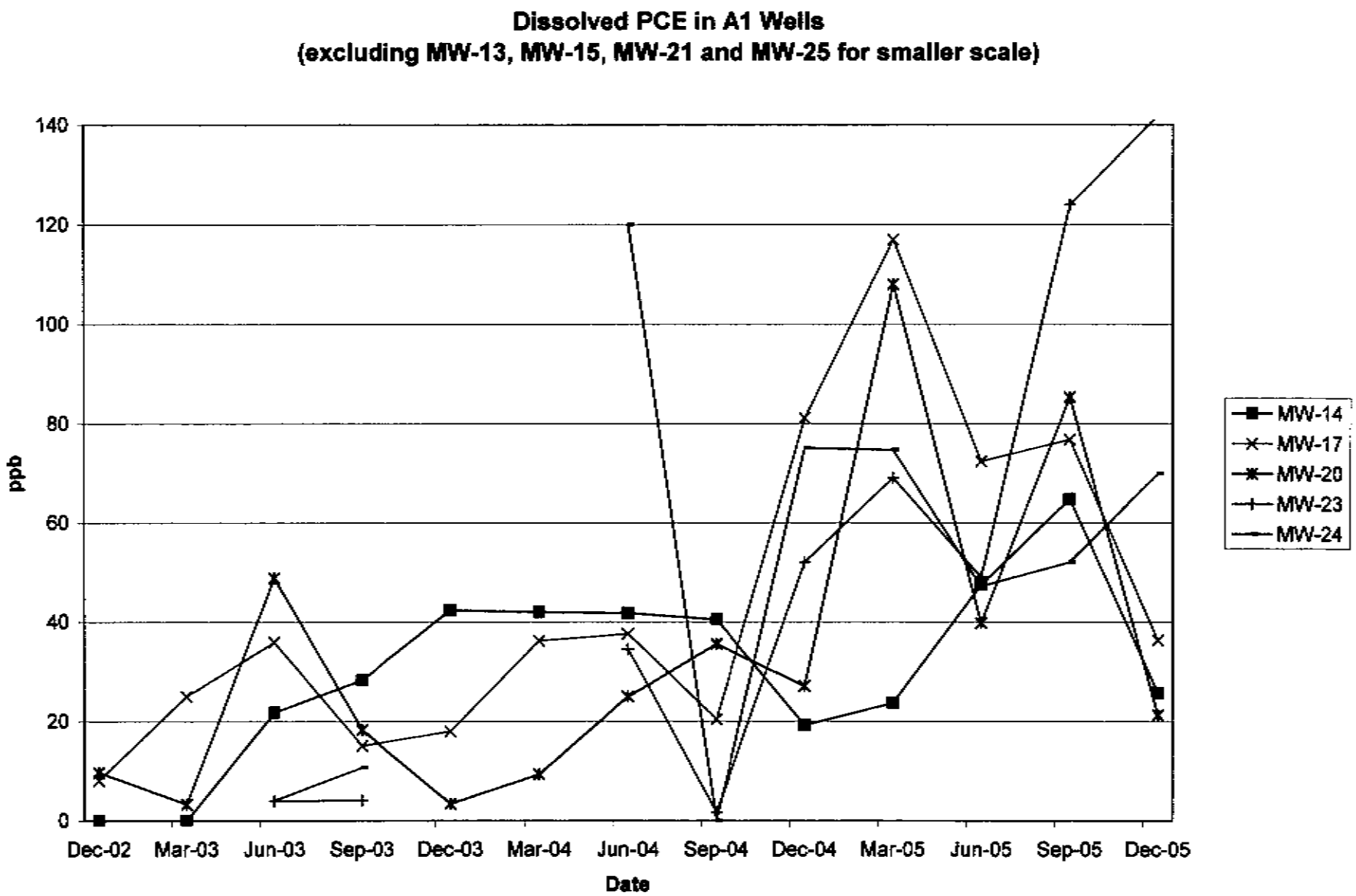
ANCHEM1423

Dissolved PCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)

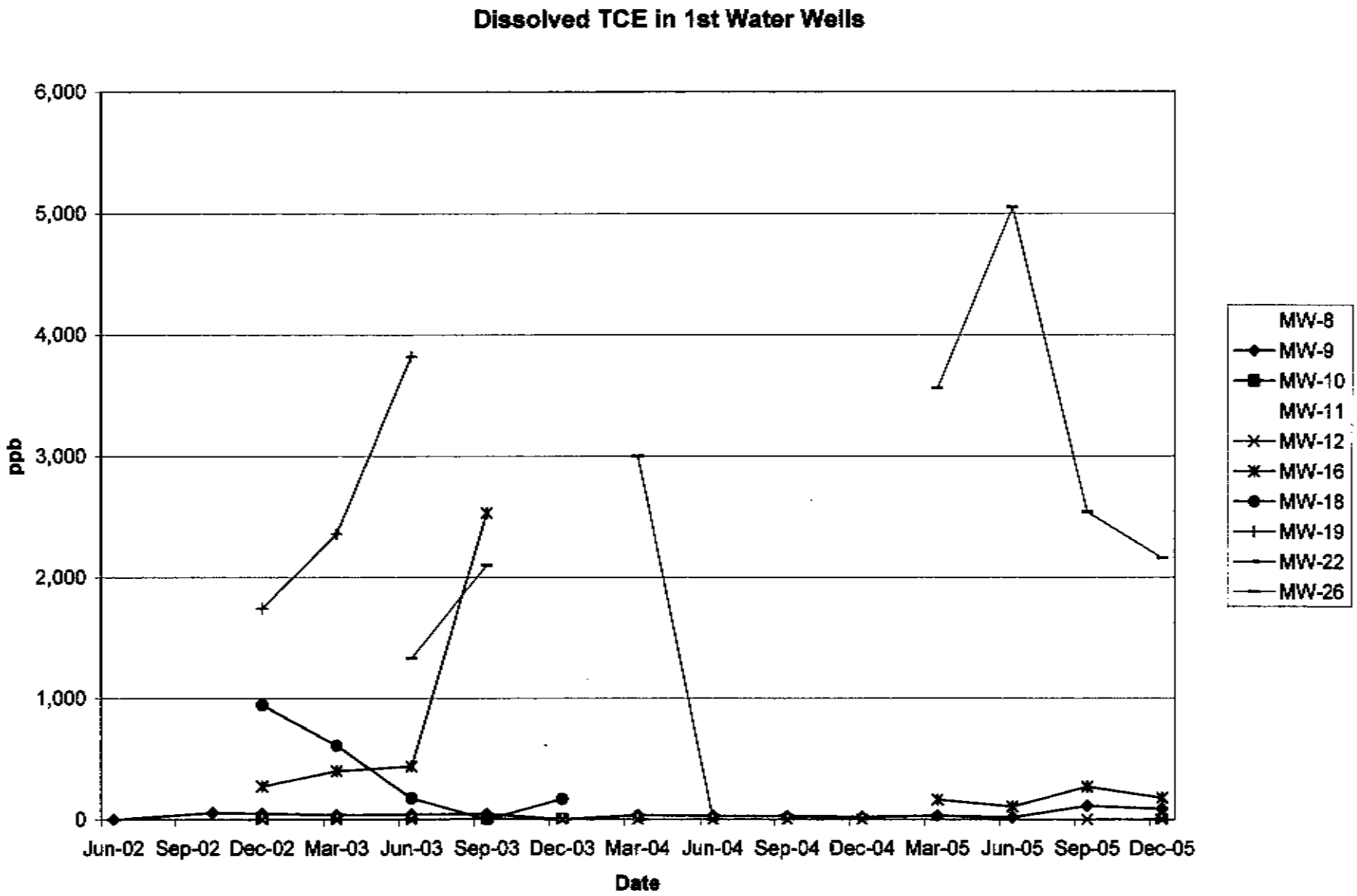


ANCHEM1424

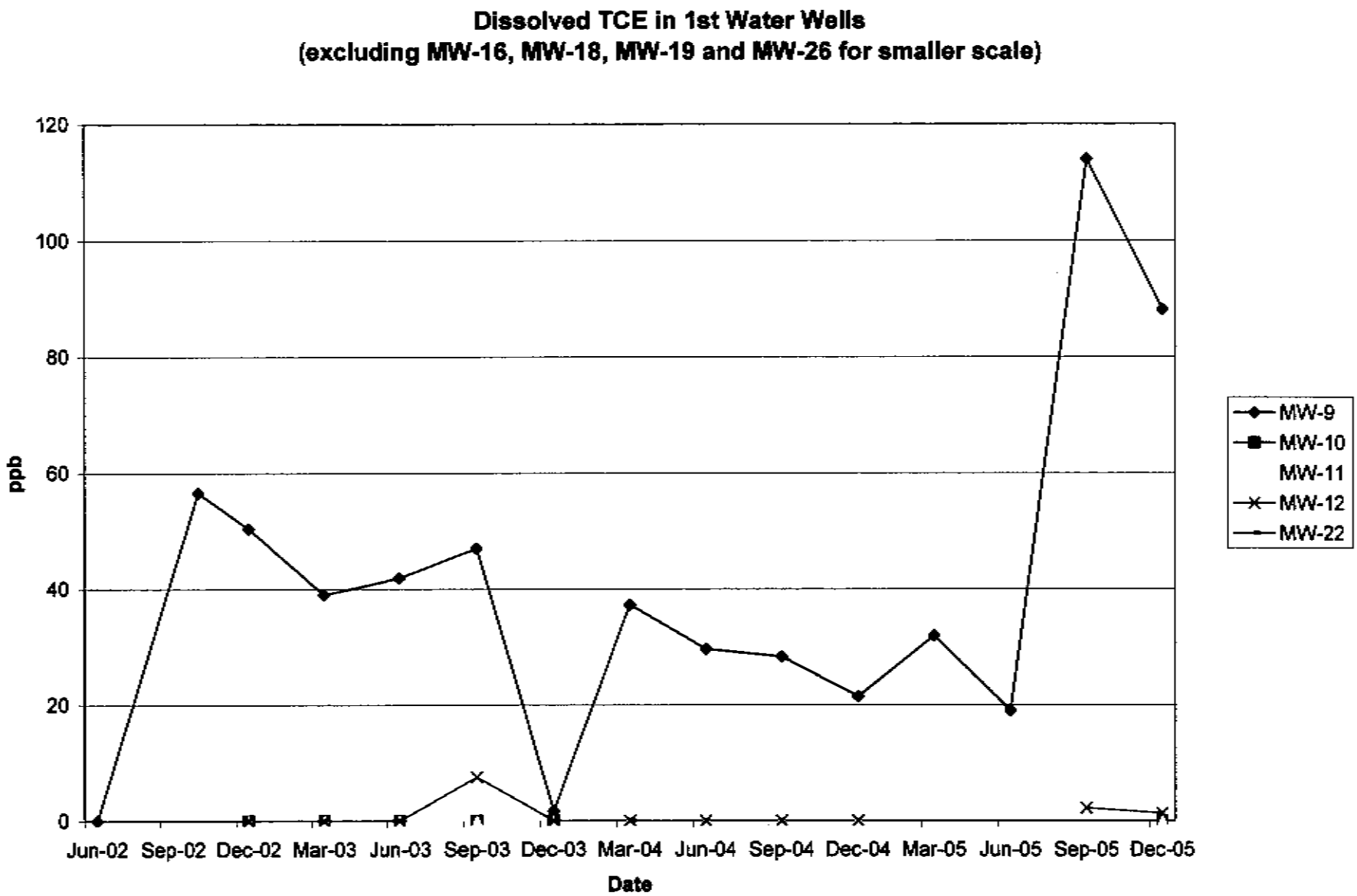

Dissolved PCE in A1 Wells
500
450
400
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


Dissolved PCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)
140
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-14
MW-17
MW-20
MW-23
MW-24

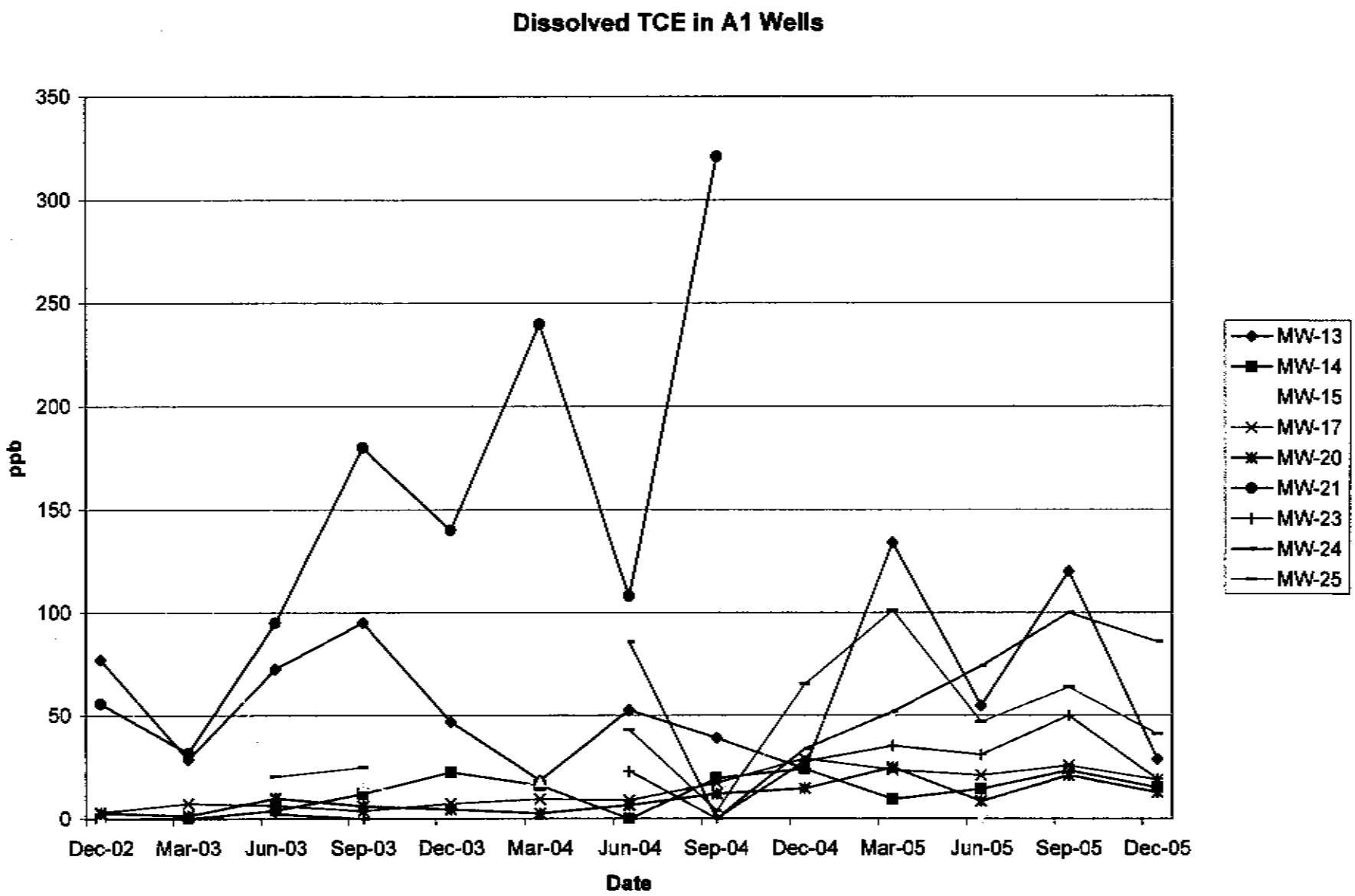
ANCHEM1426


Dissolved TCE in 1st Water Wells
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

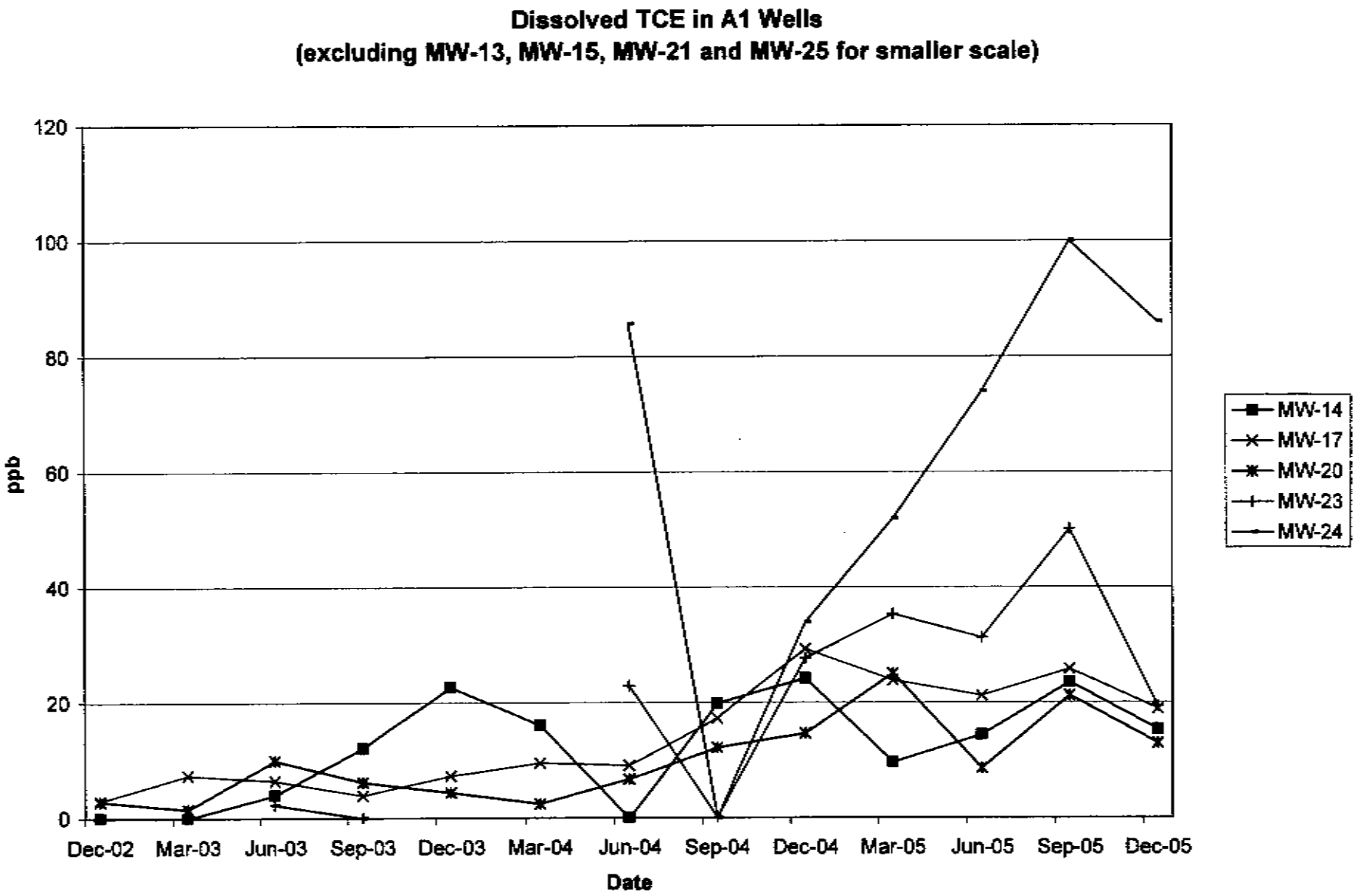
ANCHEM1427



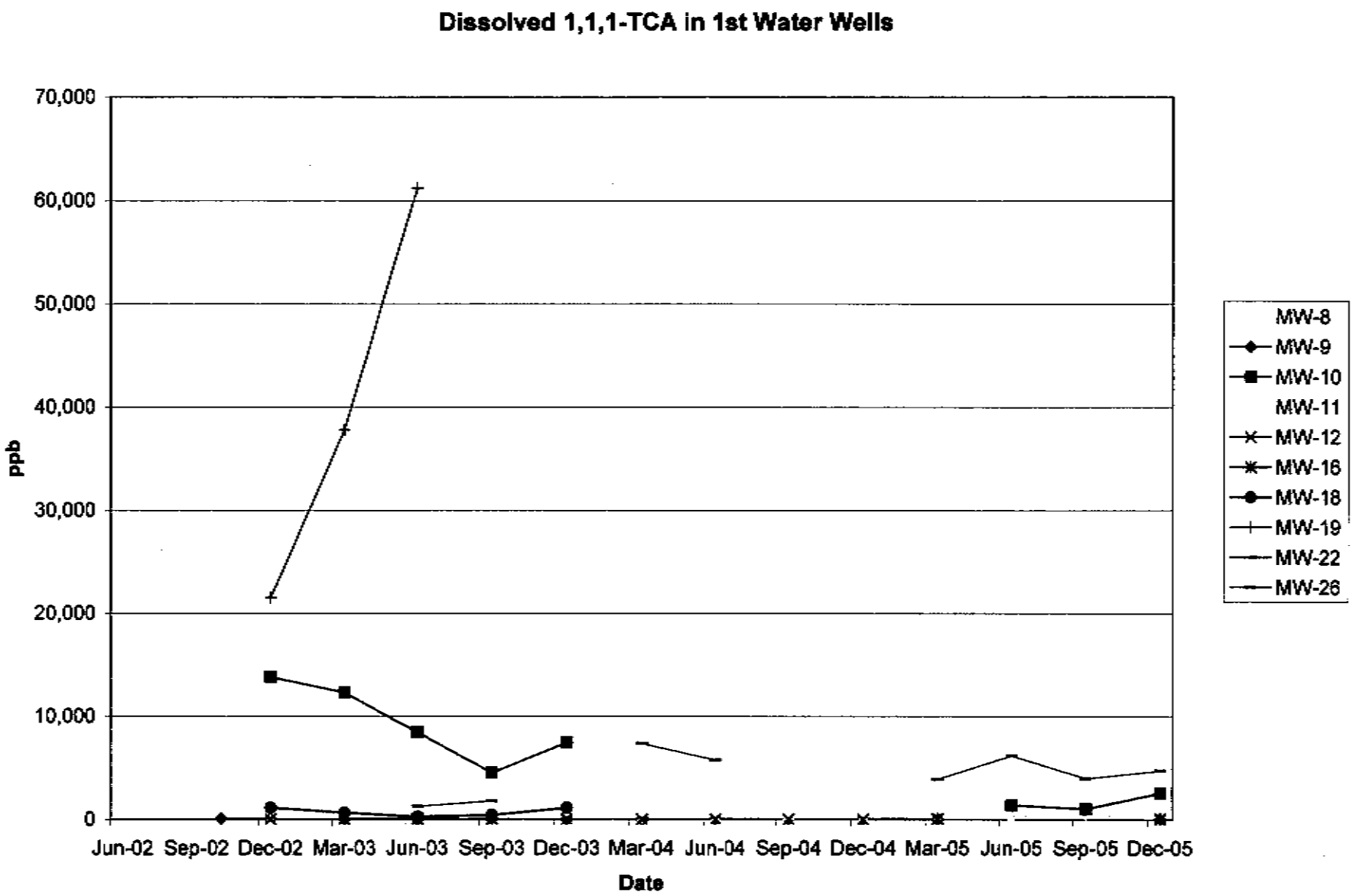
ANCHEM11428


Dissolved TCE in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

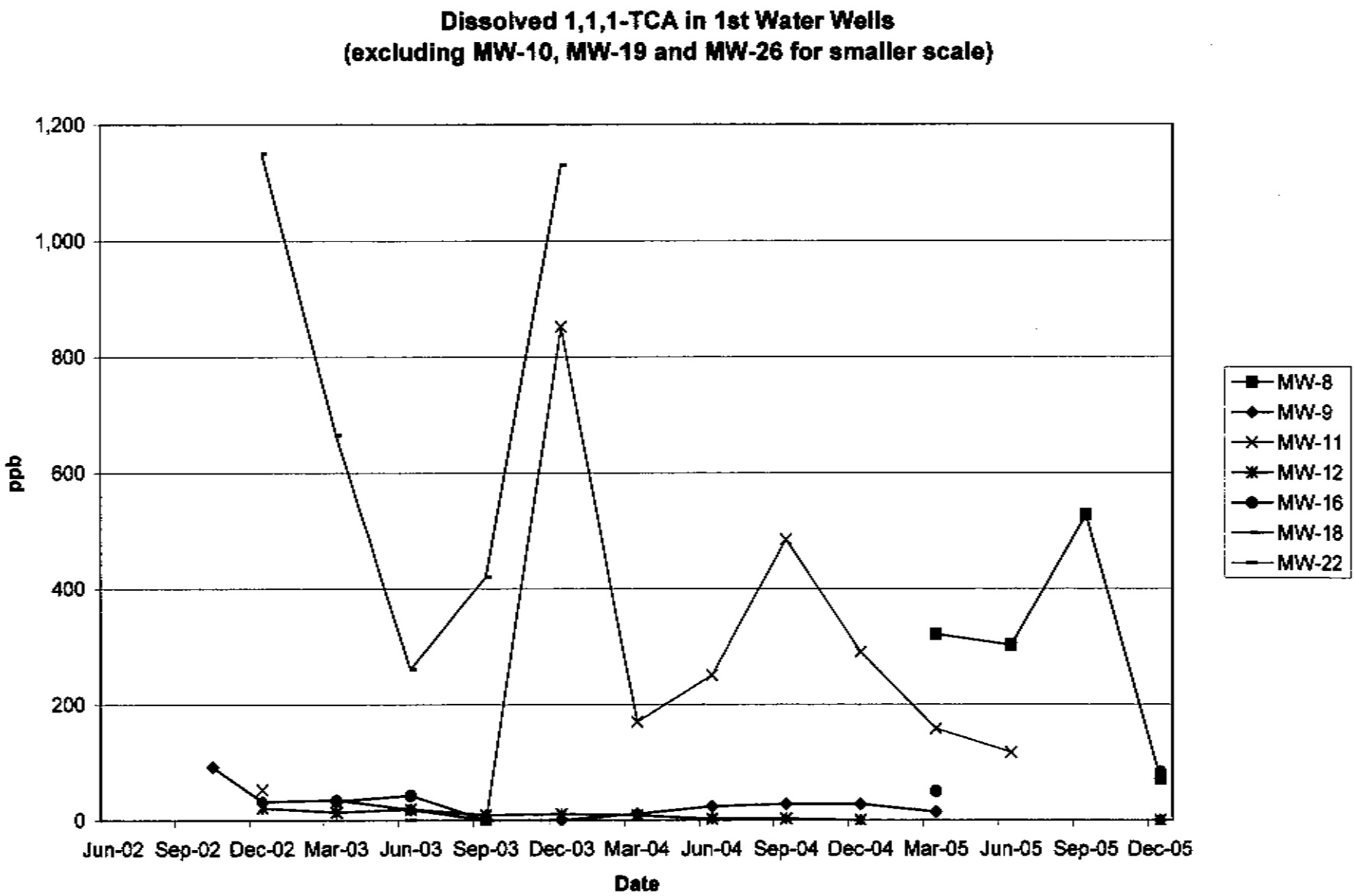
ANCHEM1429


Dissolved TCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-14
MW-17
MW-20
MW-23
MW-24

ANCHEM1430

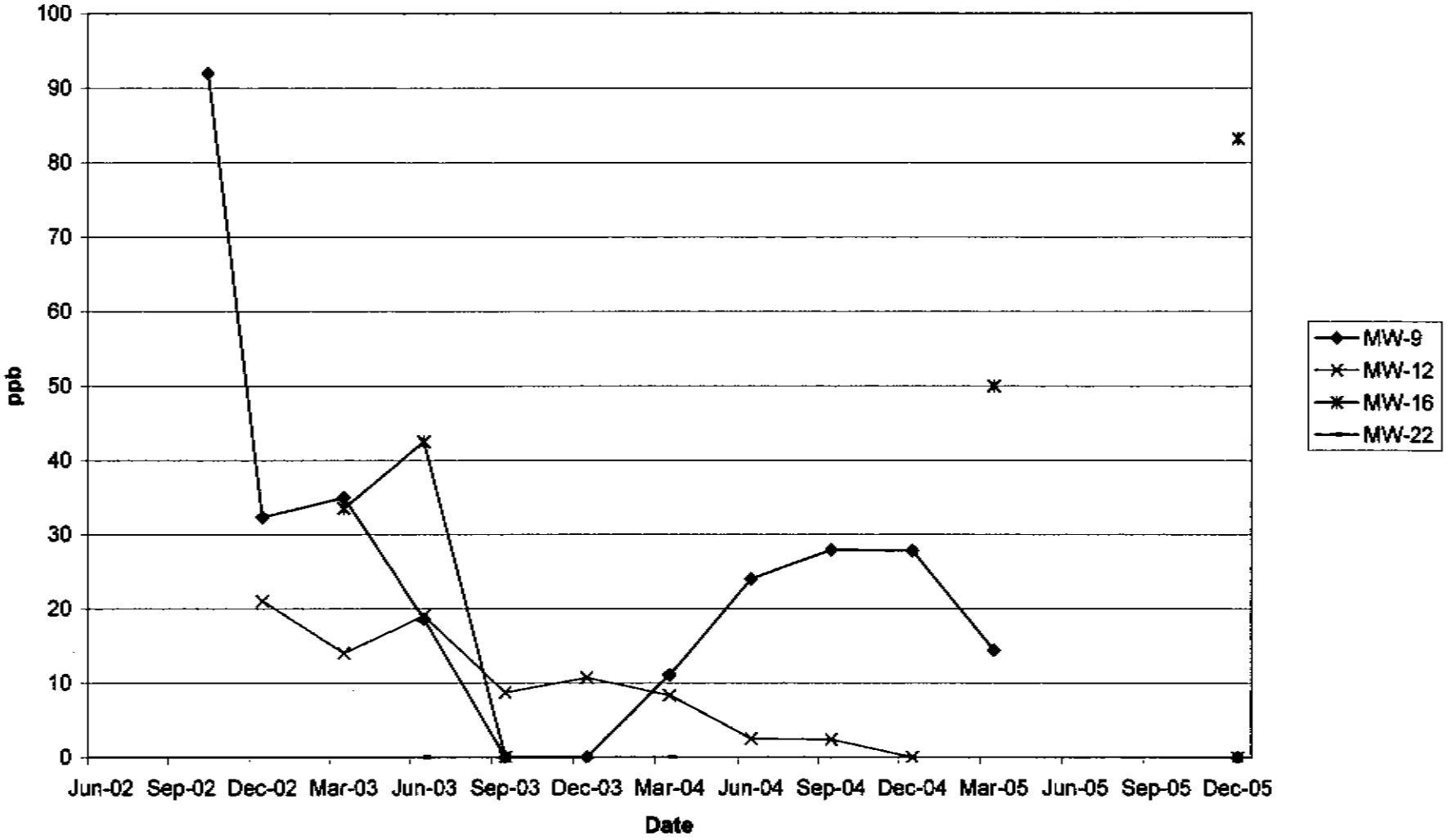

Dissolved 1,1,1-TCA in 1st Water Wells
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1431

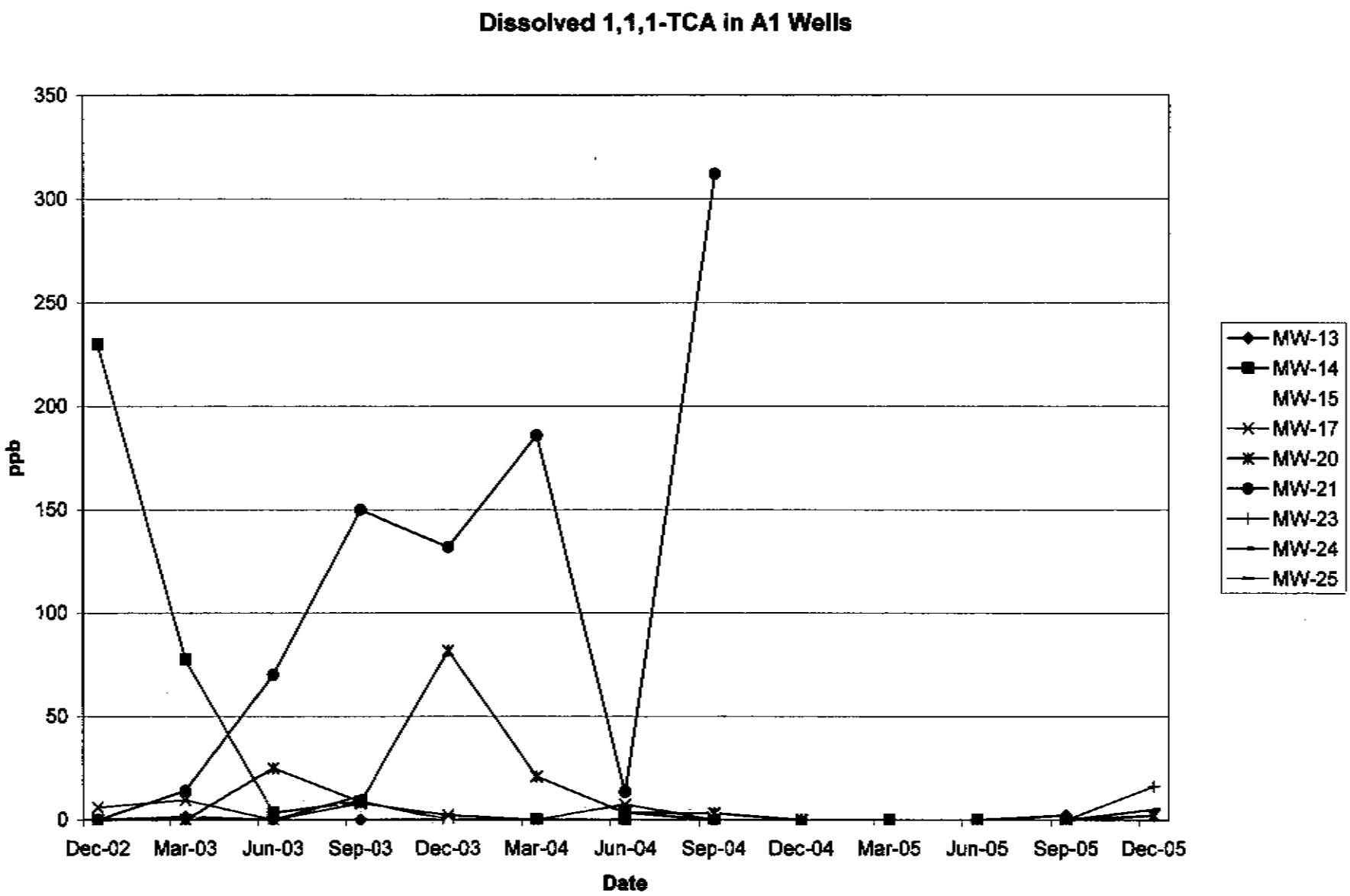

Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-19 and MW-26 for smaller scale)
1,200
1,000
800
600
400
200
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-11
MW-12
MW-16
MW-18
MW-22

ANCHEM1432

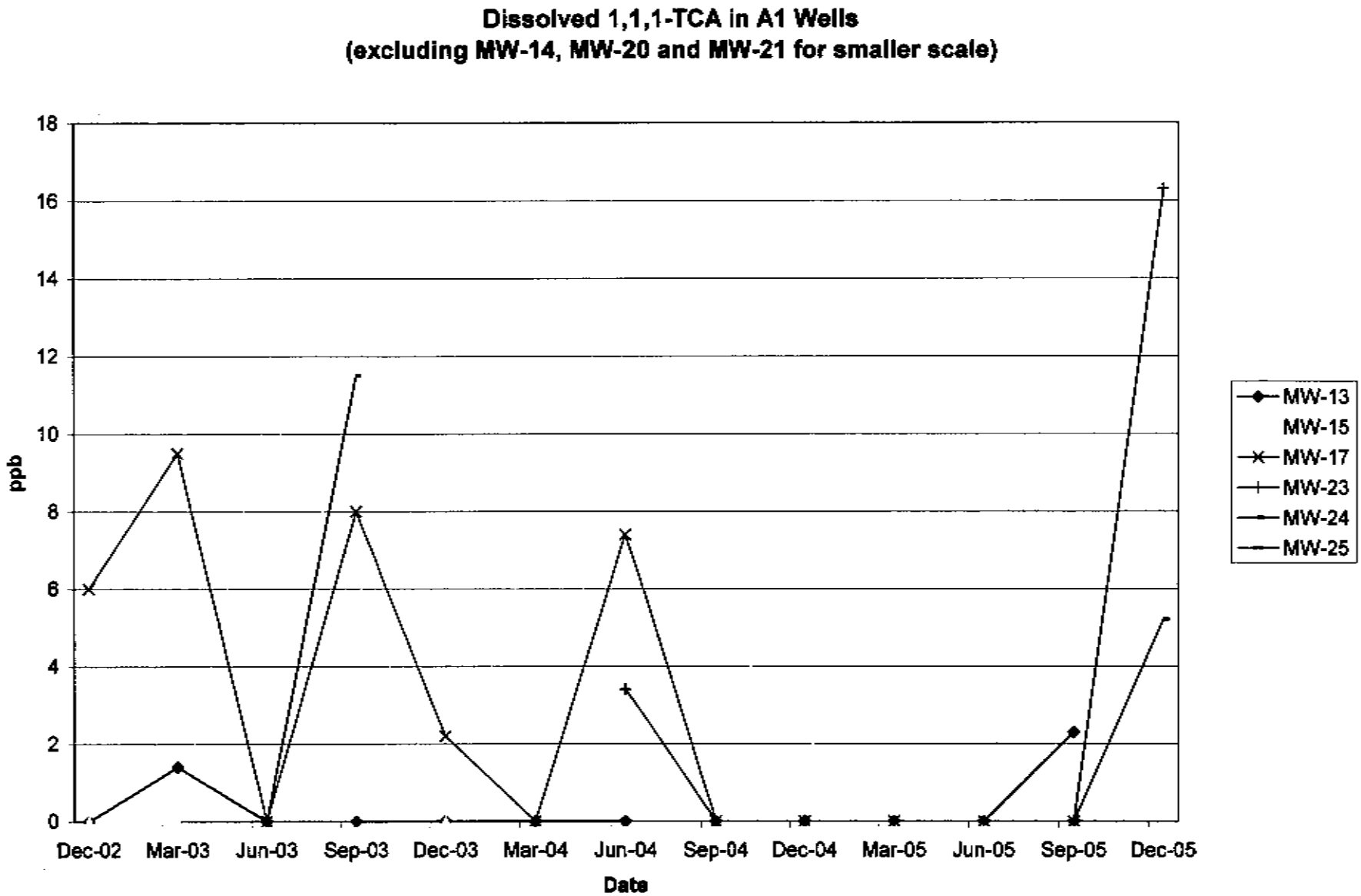
Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)



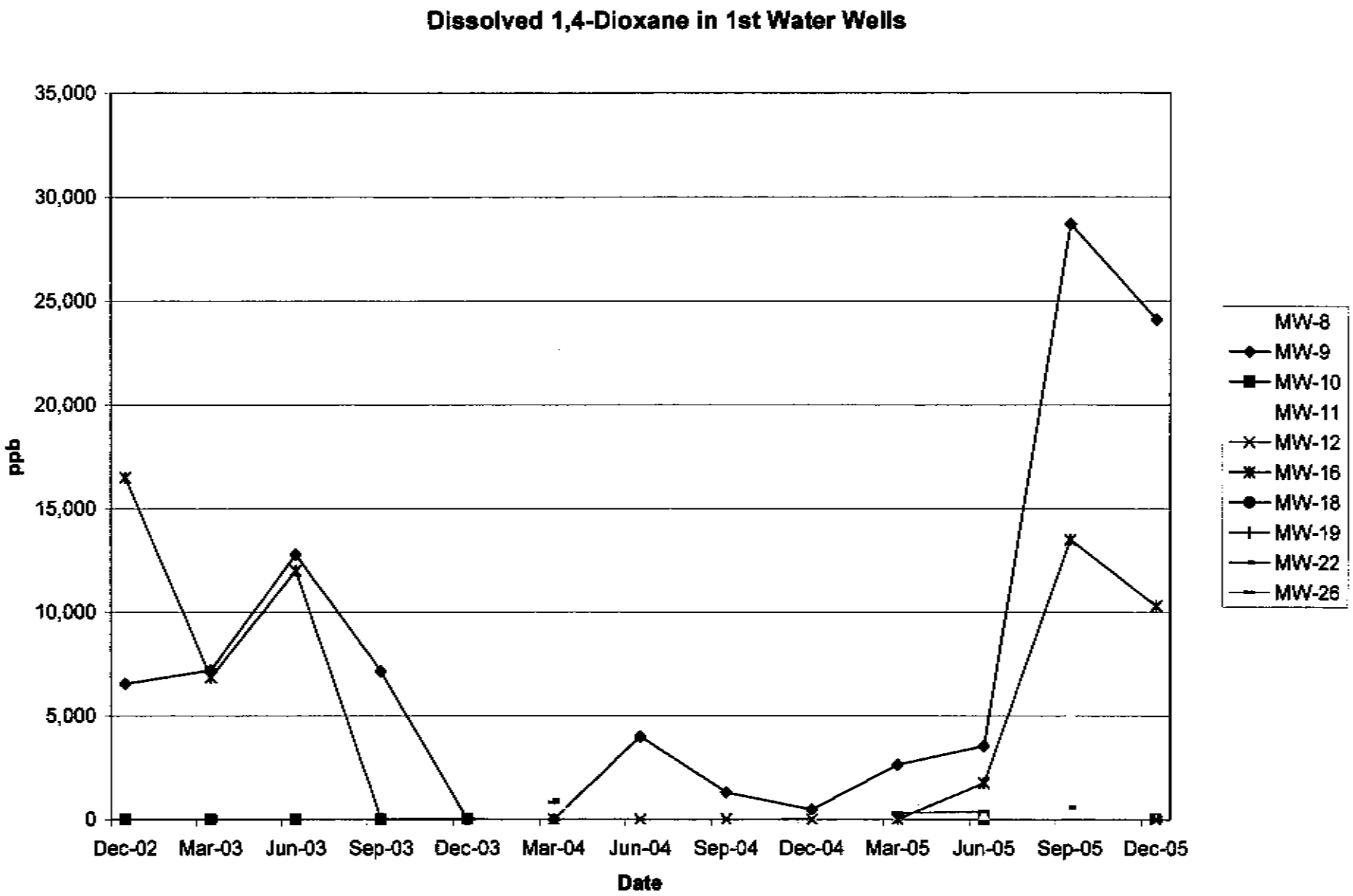
ANCHEM1433


Dissolved 1,1,1-TCA in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

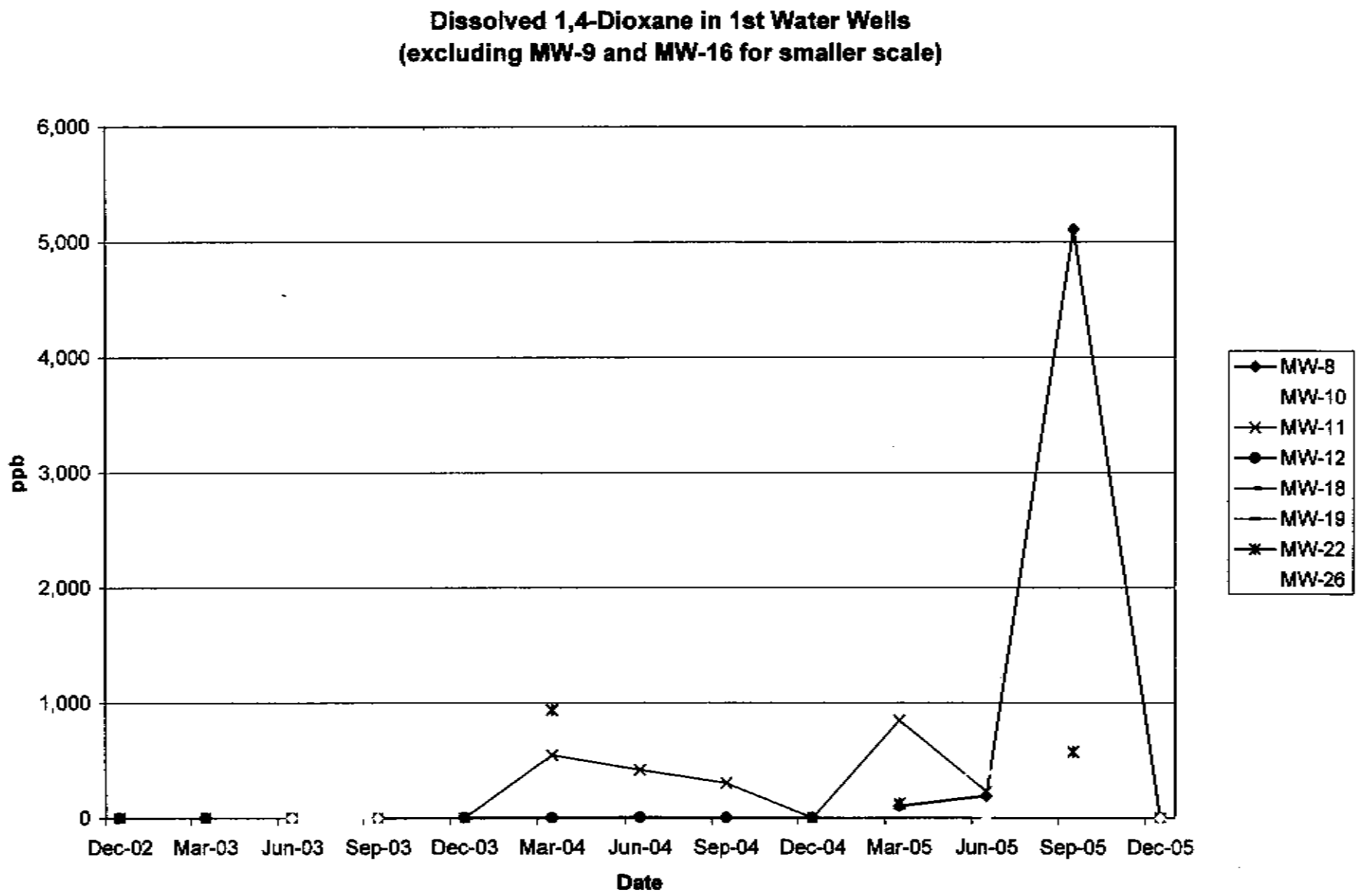
ANCHEM1434


Dissolved 1,1,1-TCA in A1 Wells
(excluding MW-14, MW-20 and MW-21 for smaller scale)
ppb
18
16
14
12
10
8
6
4
2
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-15
MW-17
MW-23
MW-24
MW-25

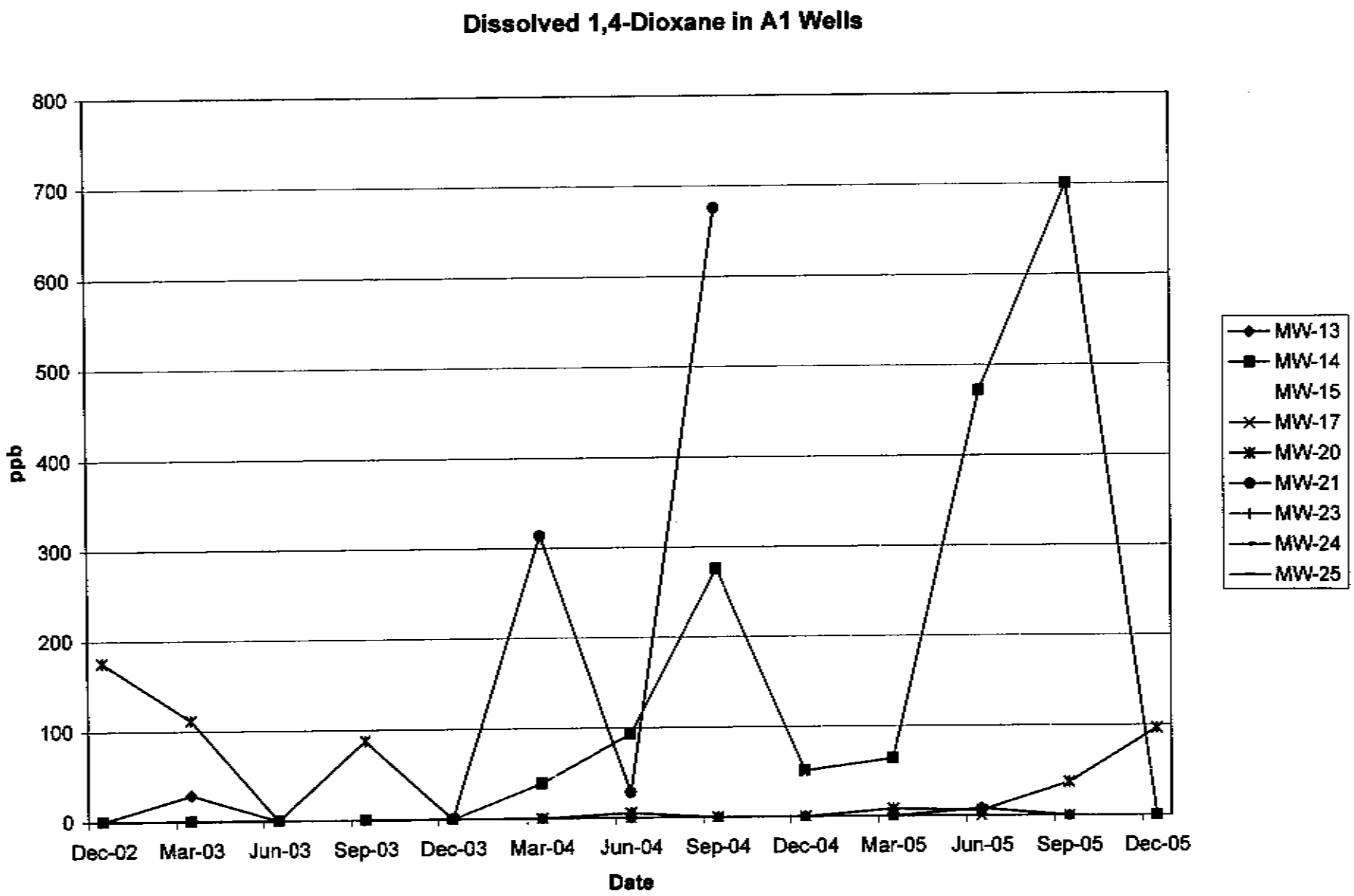
ANCHEM1435

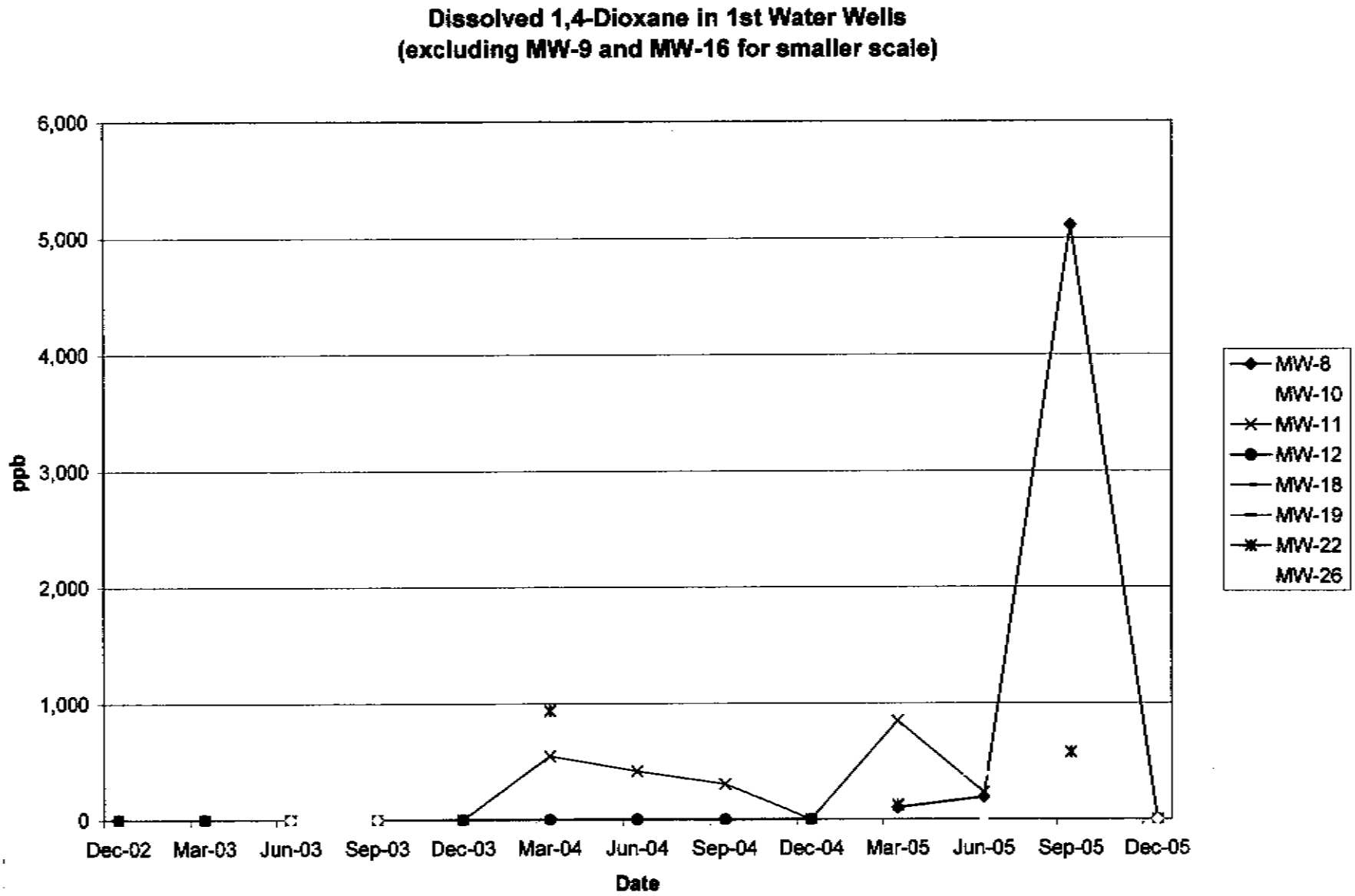

Dissolved 1,4-Dioxane in 1st Water Wells
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1436

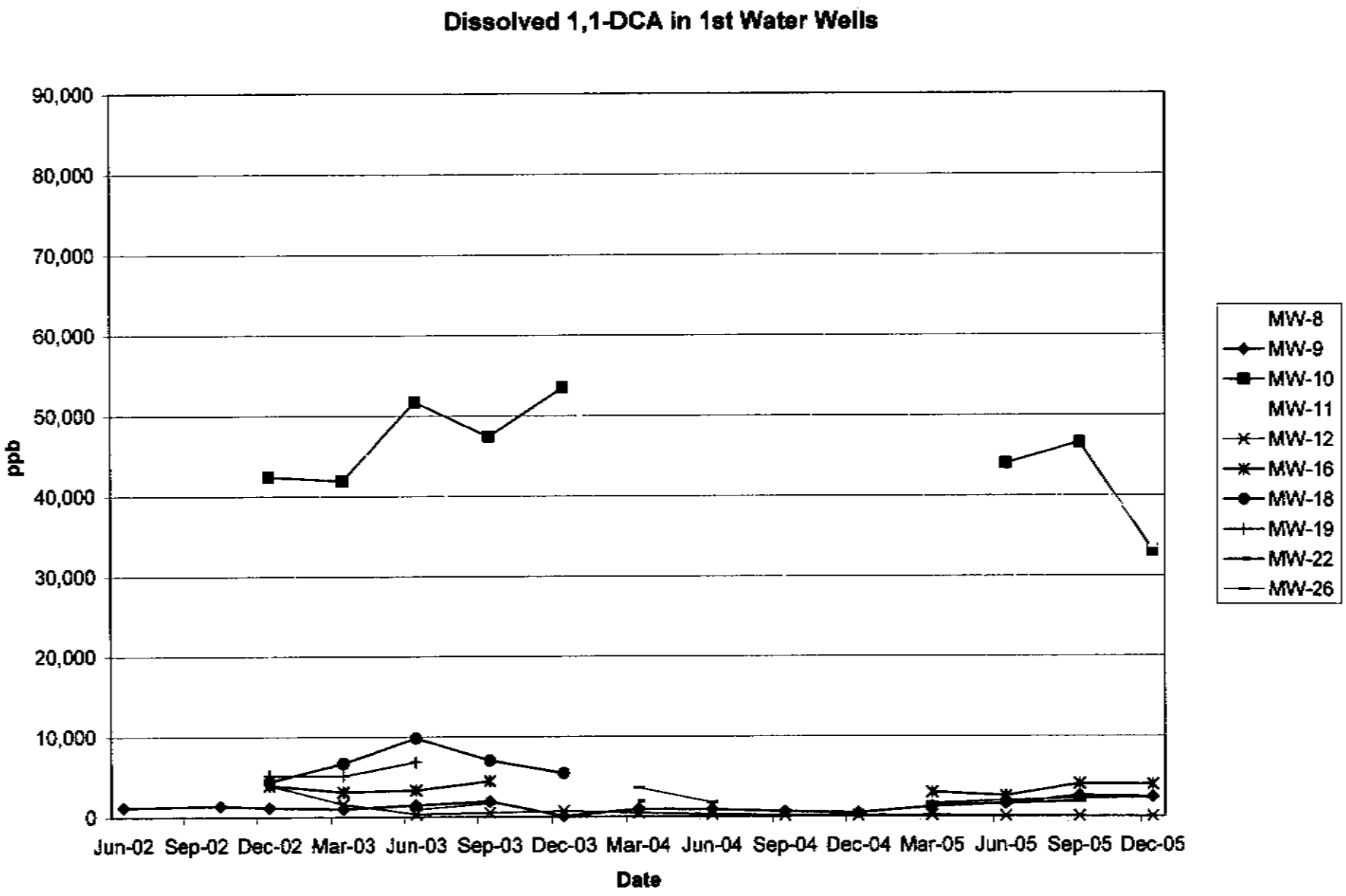

Dissolved 1,4-Dioxane in 1st Water Wells
(excluding MW-9 and MW-16 for smaller scale)
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-10
MW-11
MW-12
MW-18
MW-19
MW-22
MW-26

ANCHEM1437

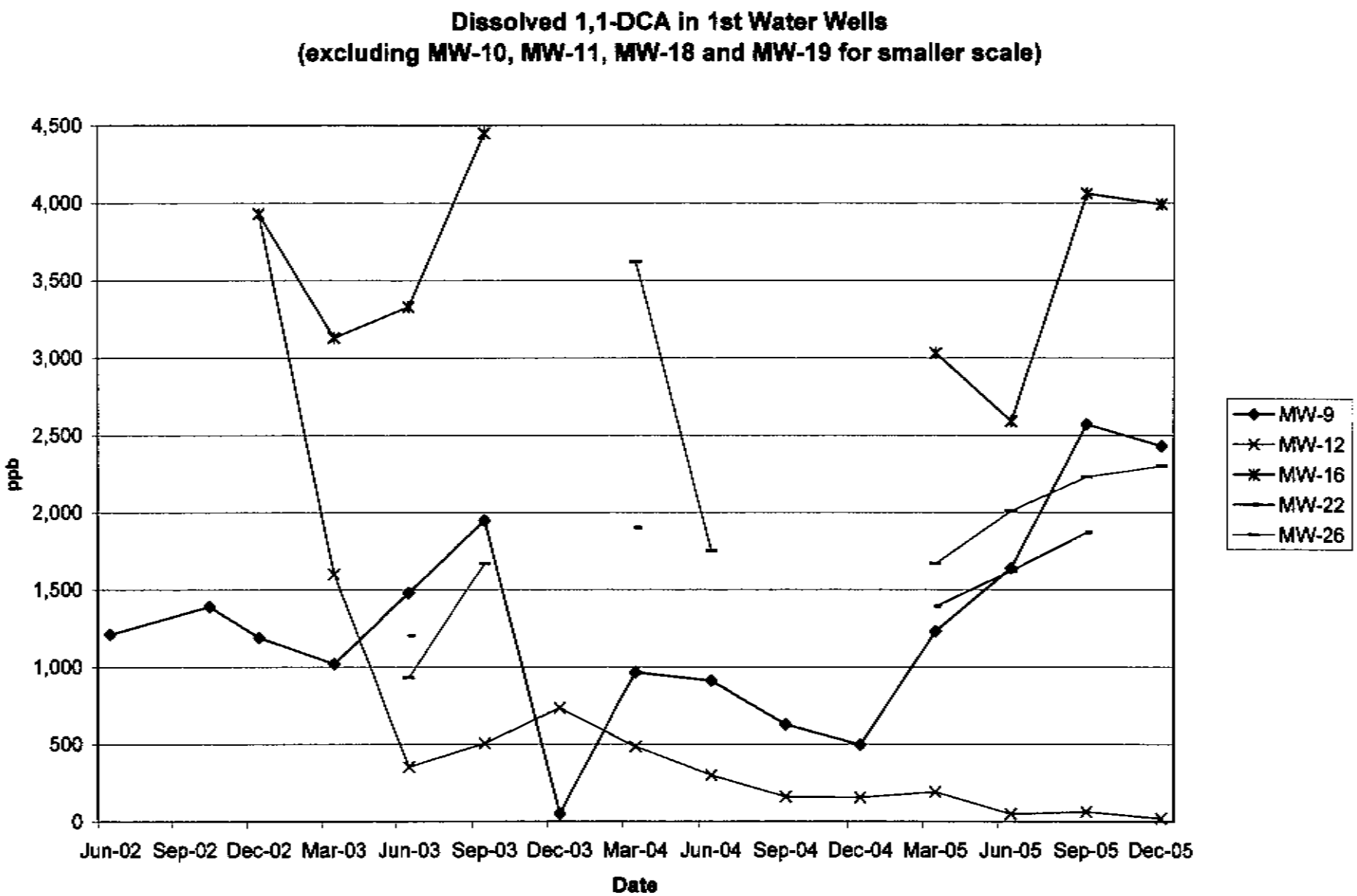

Dissolved 1,4-Dioxane in A1 Wells
800
700
600
500
400
300
200
100
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


Dissolved 1,4-Dioxane in 1st Water Wells
(excluding MW-9 and MW-16 for smaller scale)
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-10
MW-11
MW-12
MW-18
MW-19
MW-22
MW-26

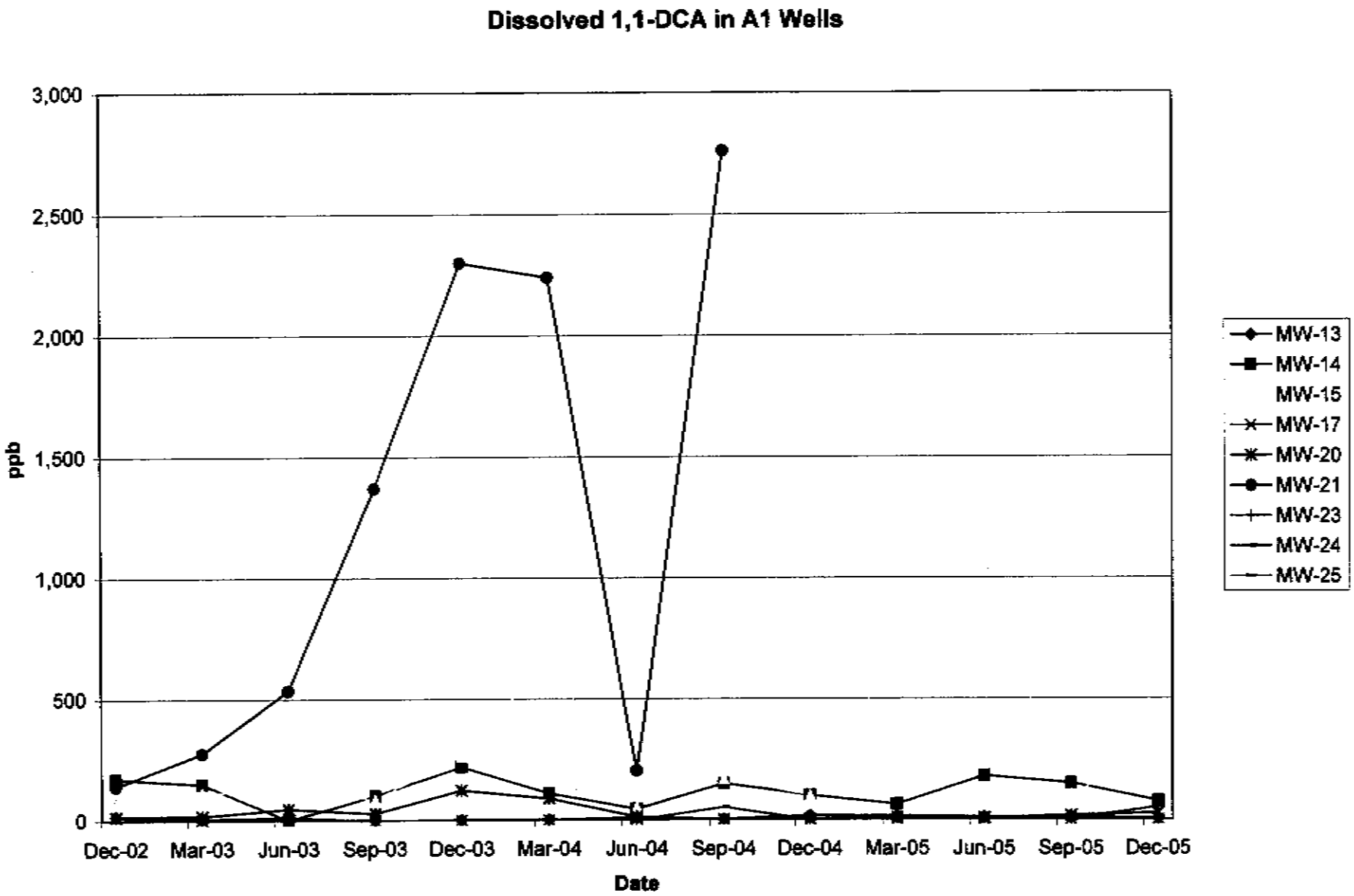
ANCHEM1439


Dissolved 1,1-DCA in 1st Water Wells
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1440

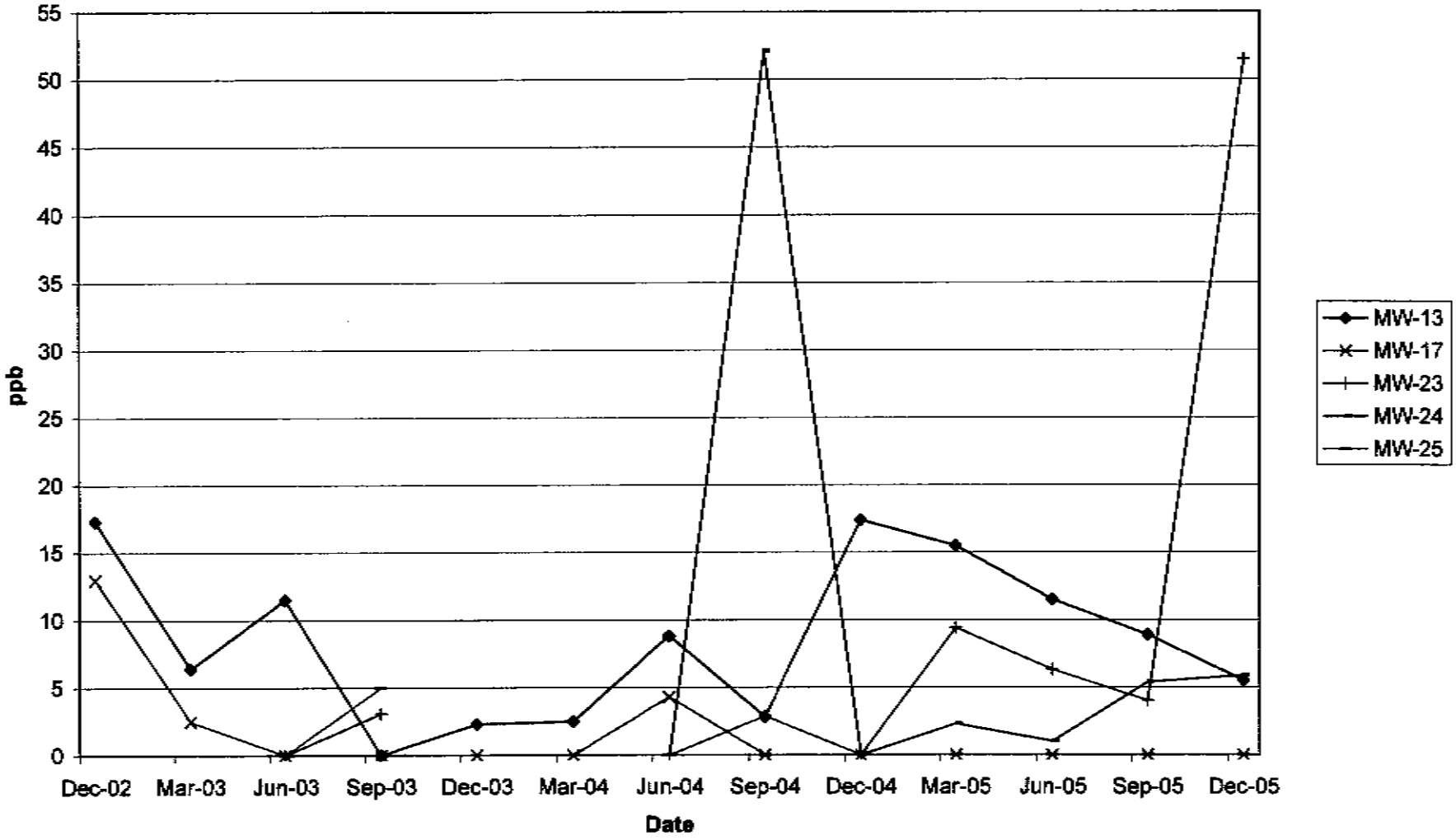

Dissolved 1,1-DCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18 and MW-19 for smaller scale)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-12
MW-16
MW-22
MW-26

ANCHEM1441


Dissolved 1,1-DCA in A1 Wells
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

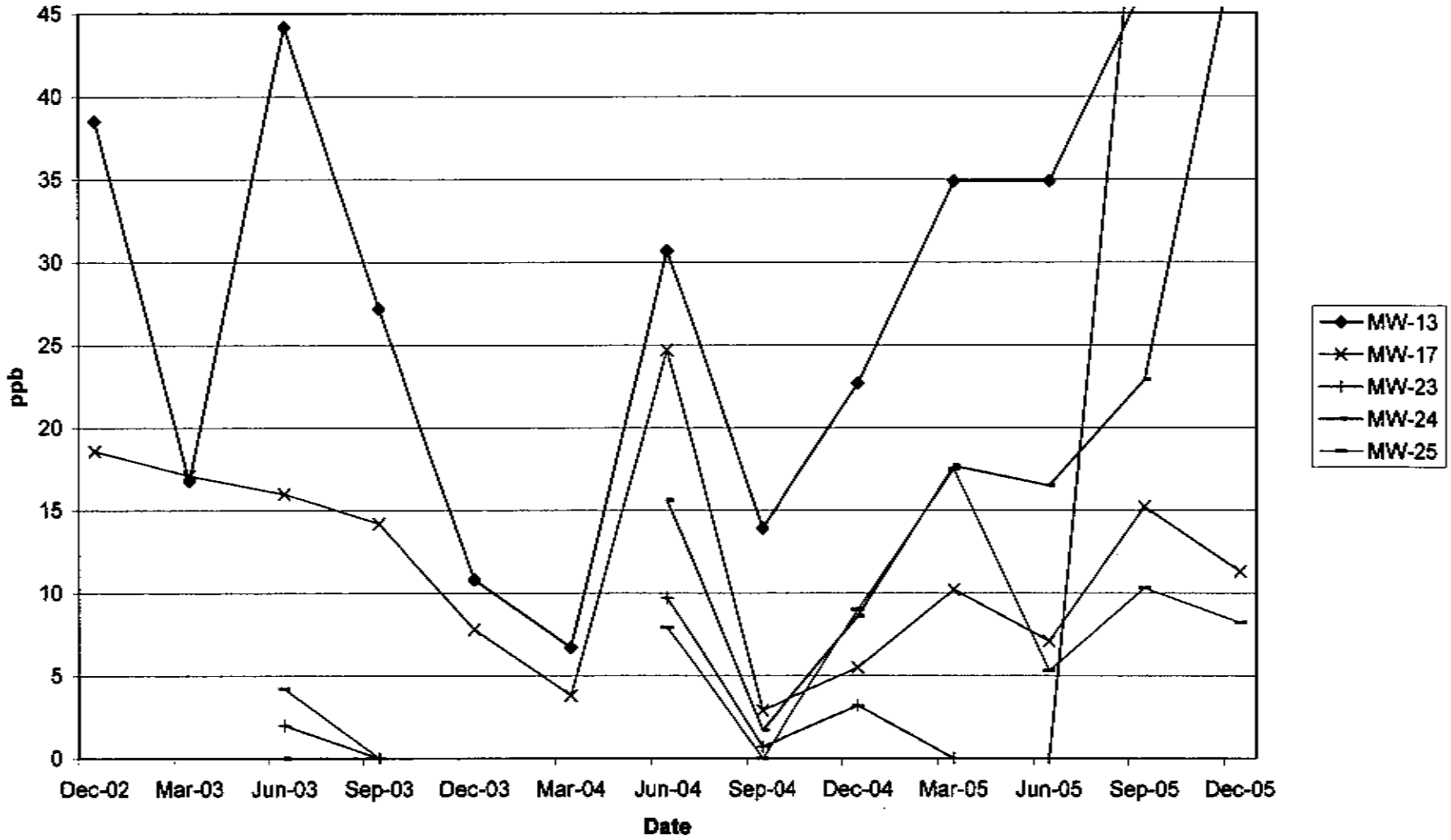
ANCHEM1442

Dissolved 1,1-DCA in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)

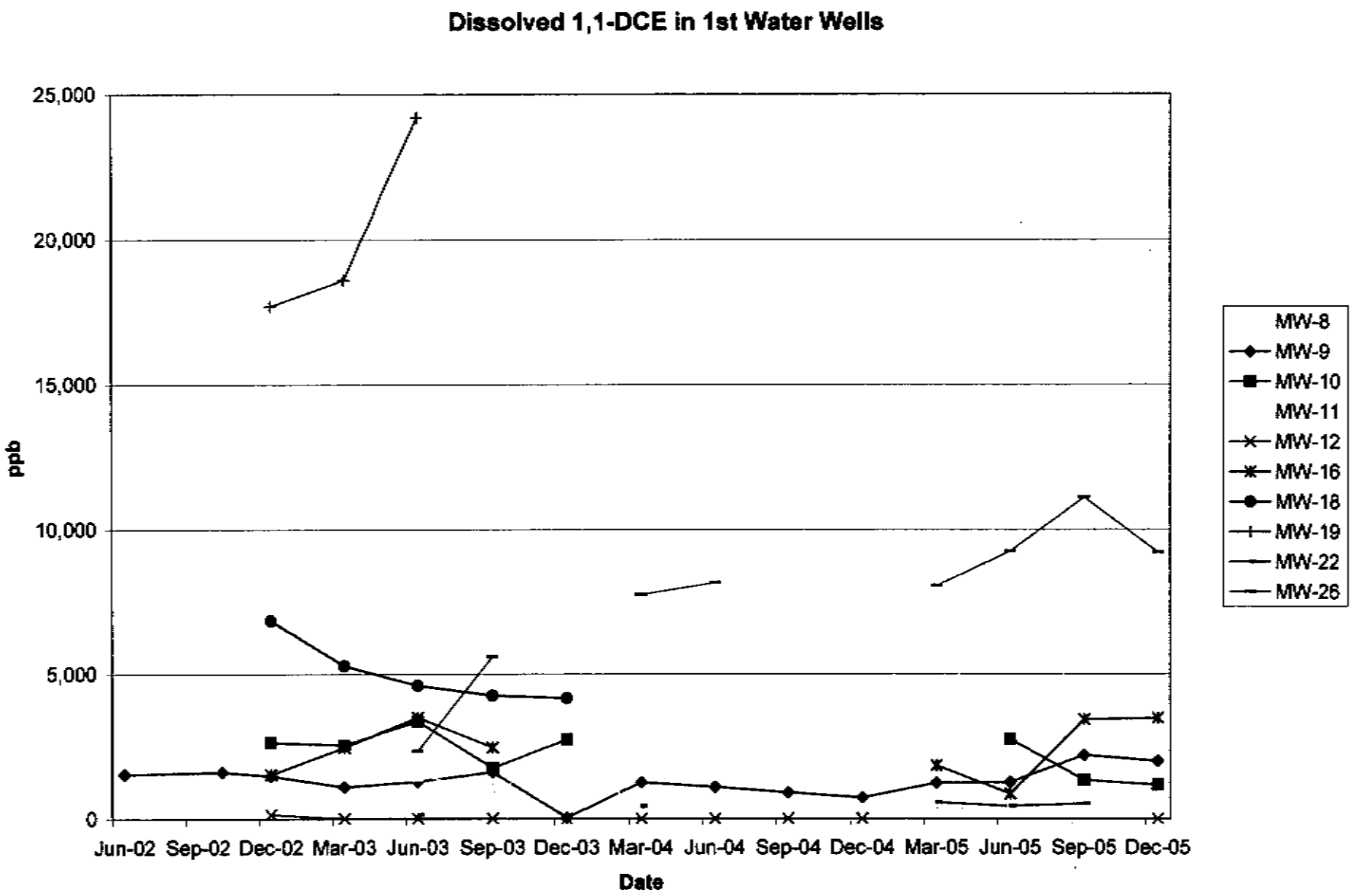


ANCHEM1443

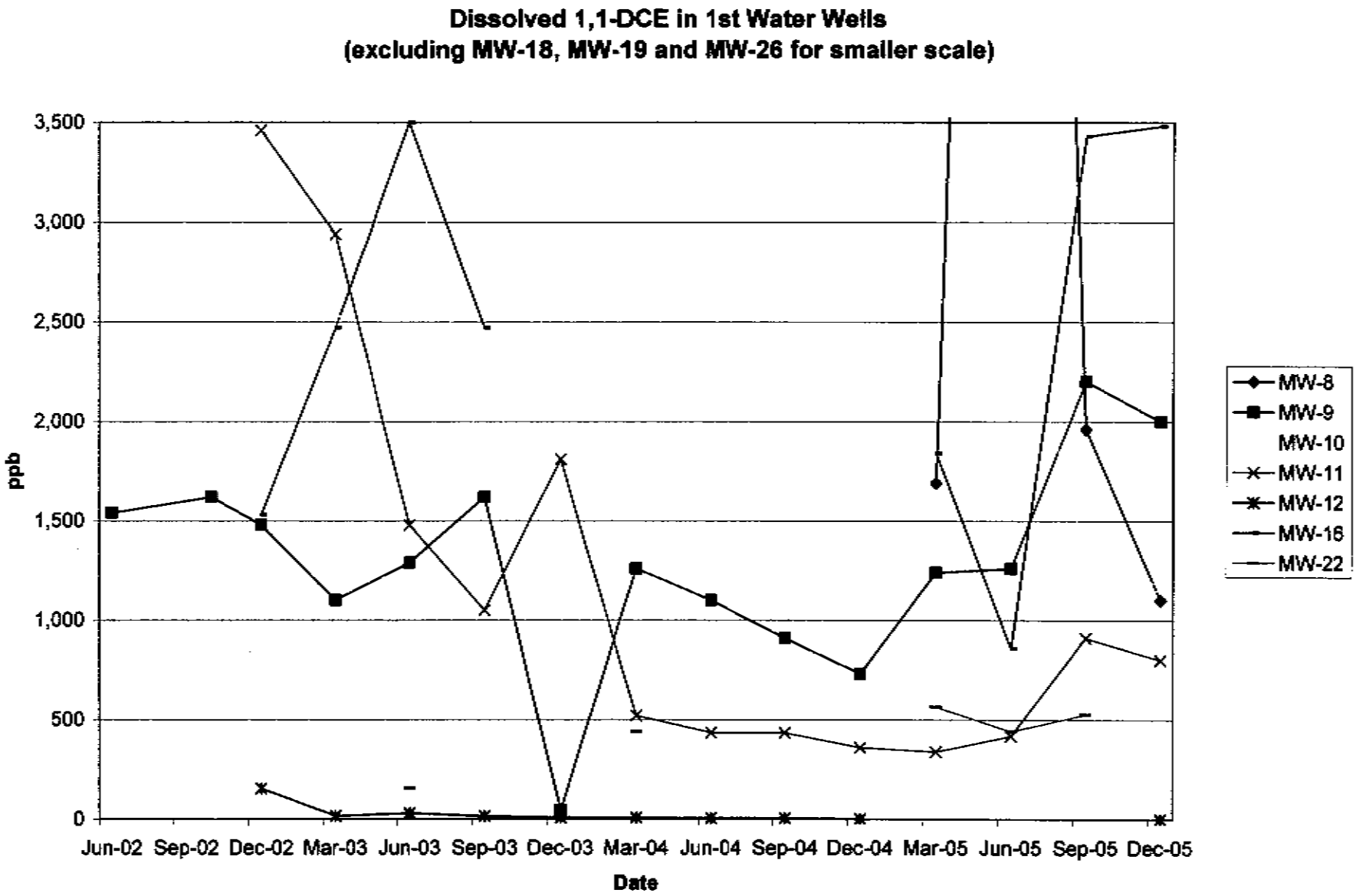
Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



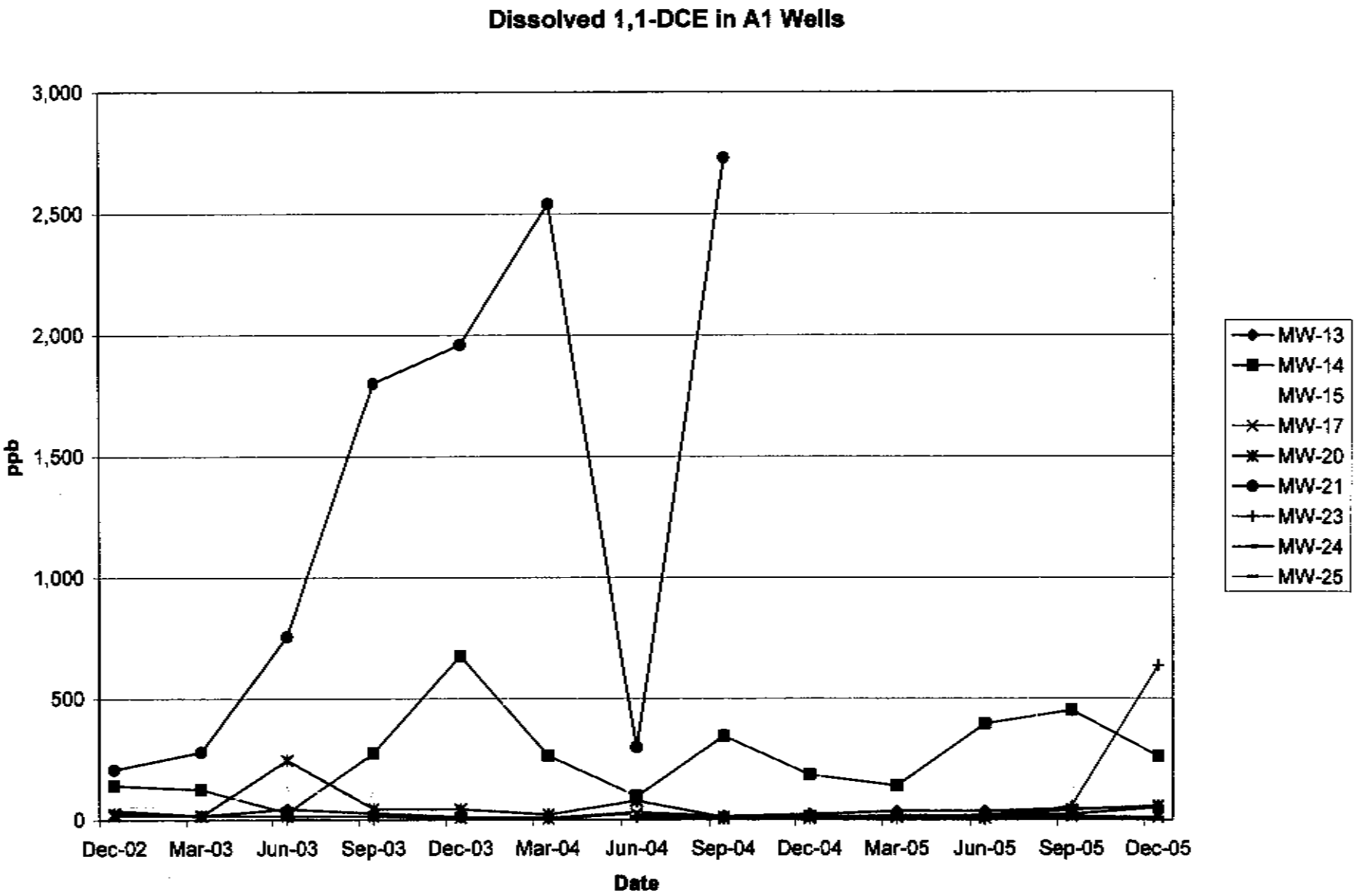
ANCHEM1444


Dissolved 1,1-DCE in 1st Water Wells
25,000
20,000
15,000
10,000
5,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1445

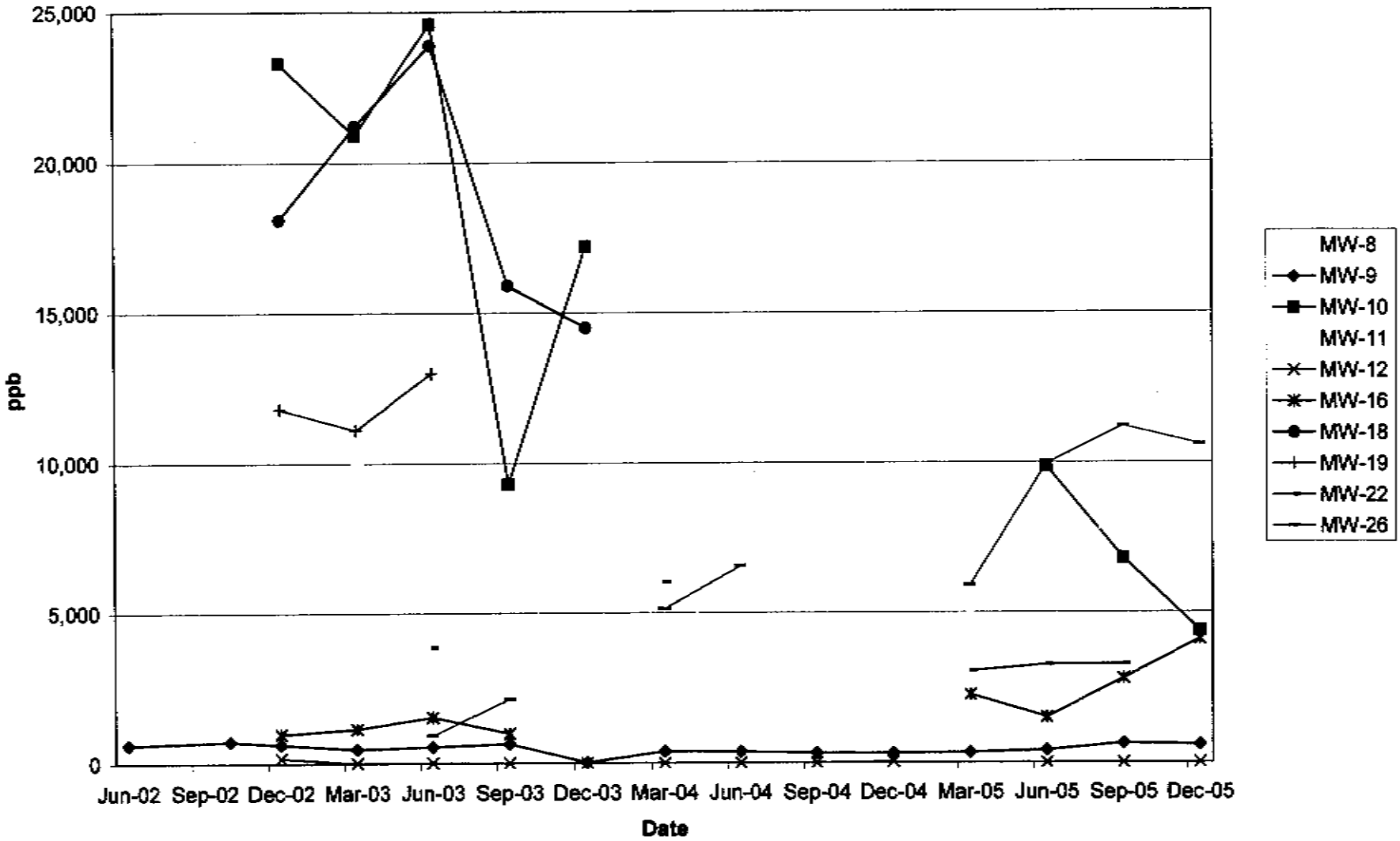

Dissolved 1,1-DCE in 1st Water Wells
(excluding MW-18, MW-19 and MW-26 for smaller scale)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-22

ANCHEM1446

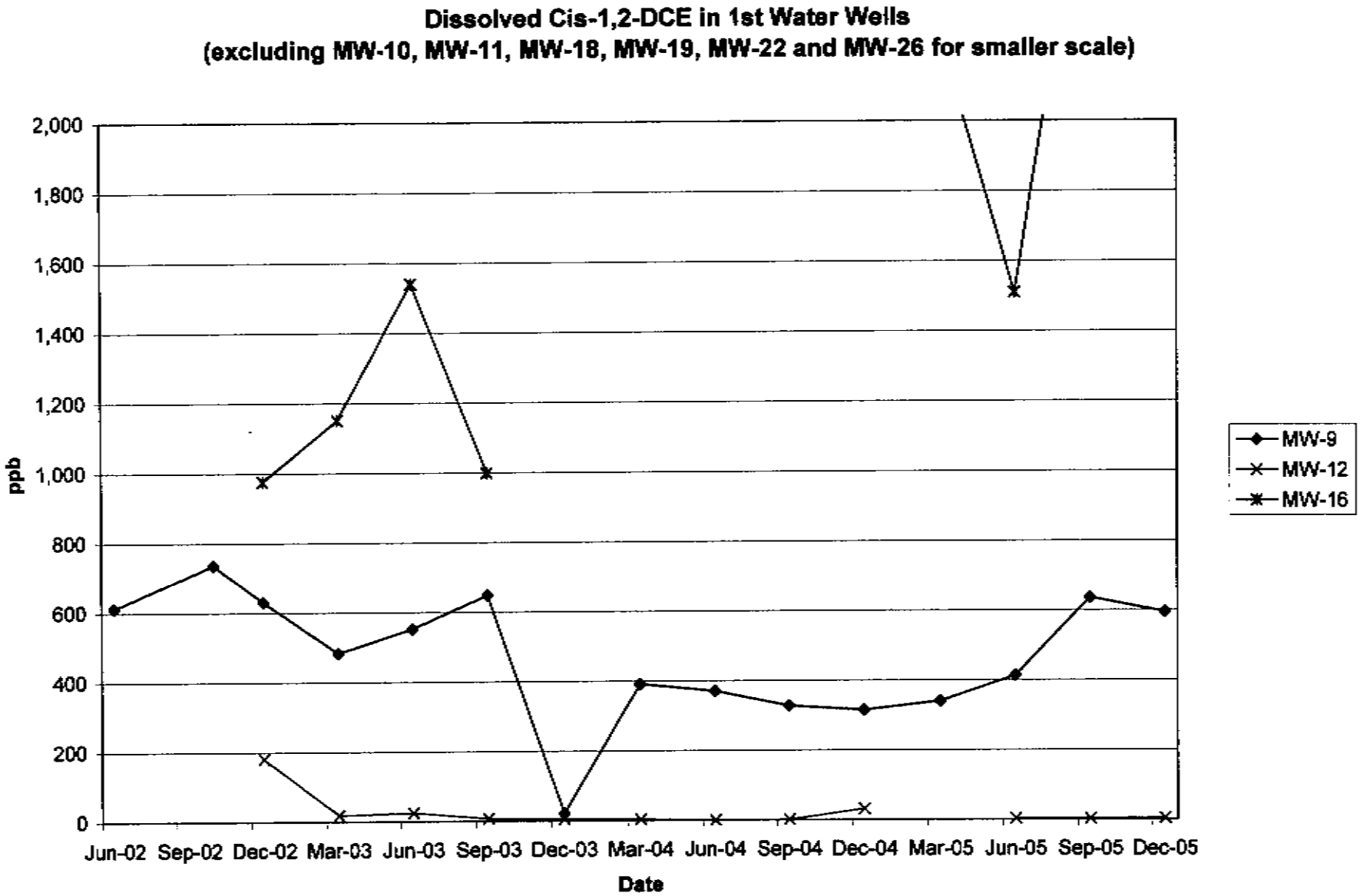

Dissolved 1,1-DCE in A1 Wells
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

ANCHEM1447

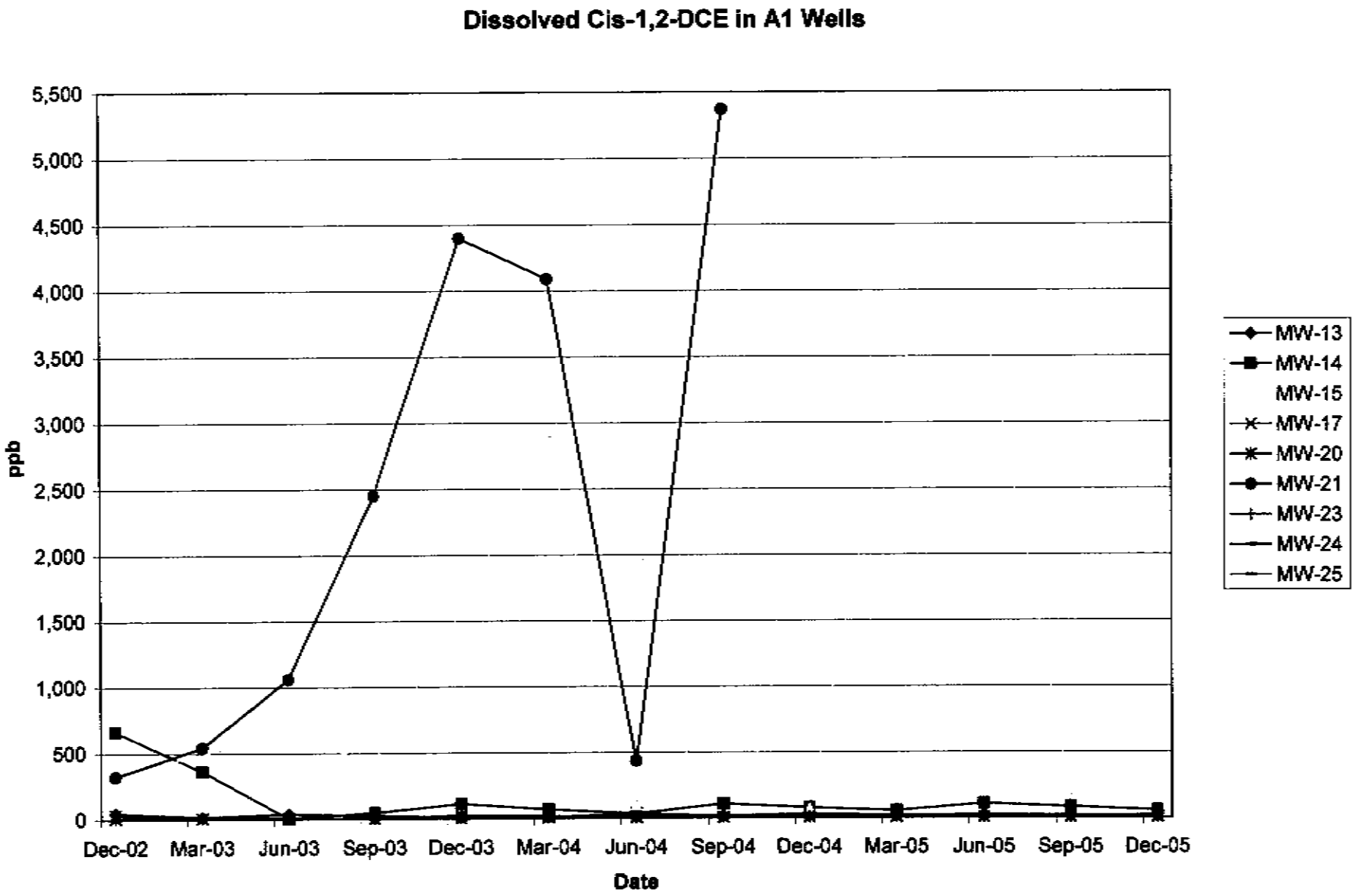
Dissolved Cis-1,2-DCE in 1st Water Wells



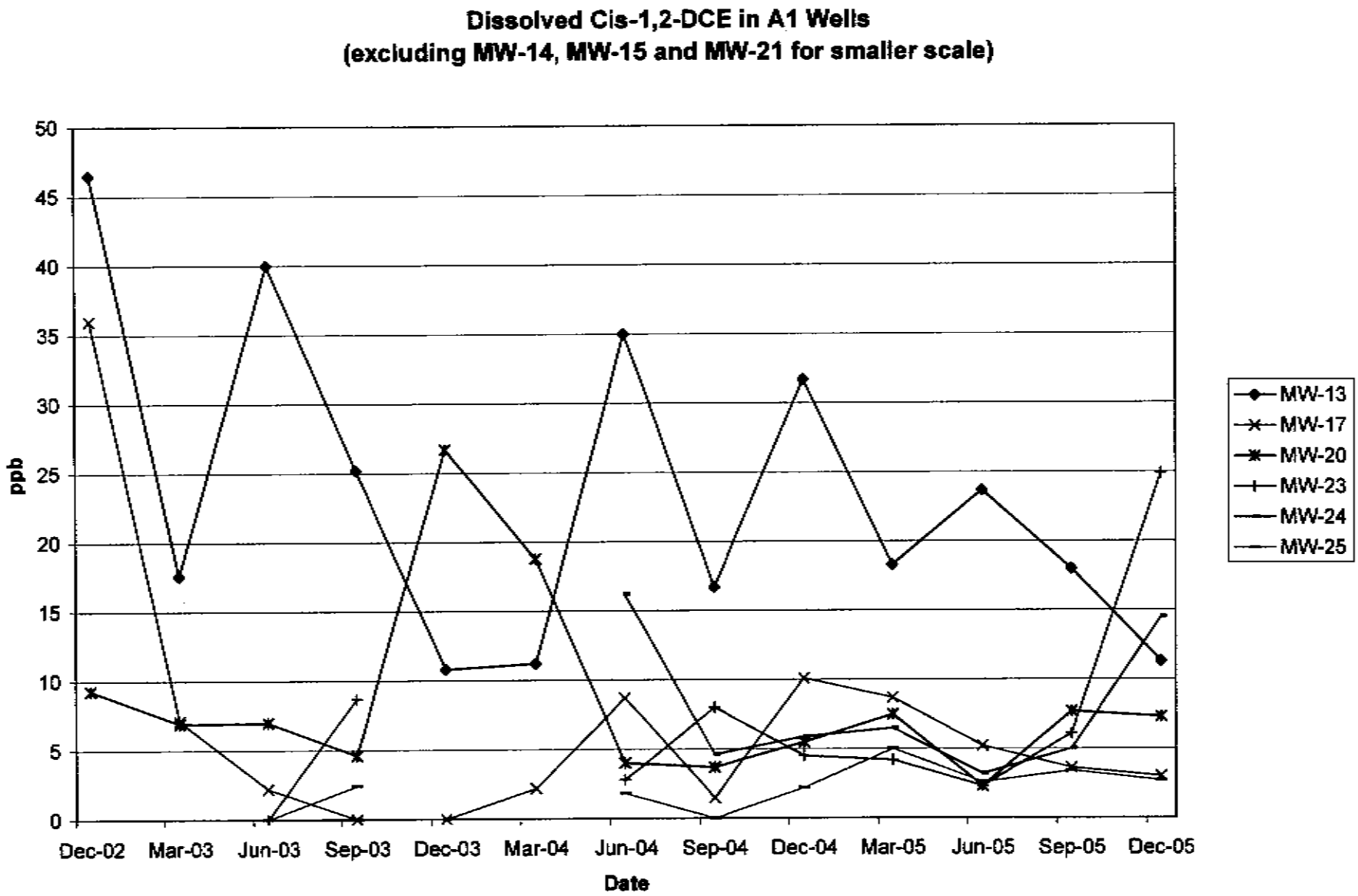
ANCHEM1448


Dissolved Cis-1,2-DCE in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19, MW-22 and MW-26 for smaller scale)
ppb
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-12
MW-16

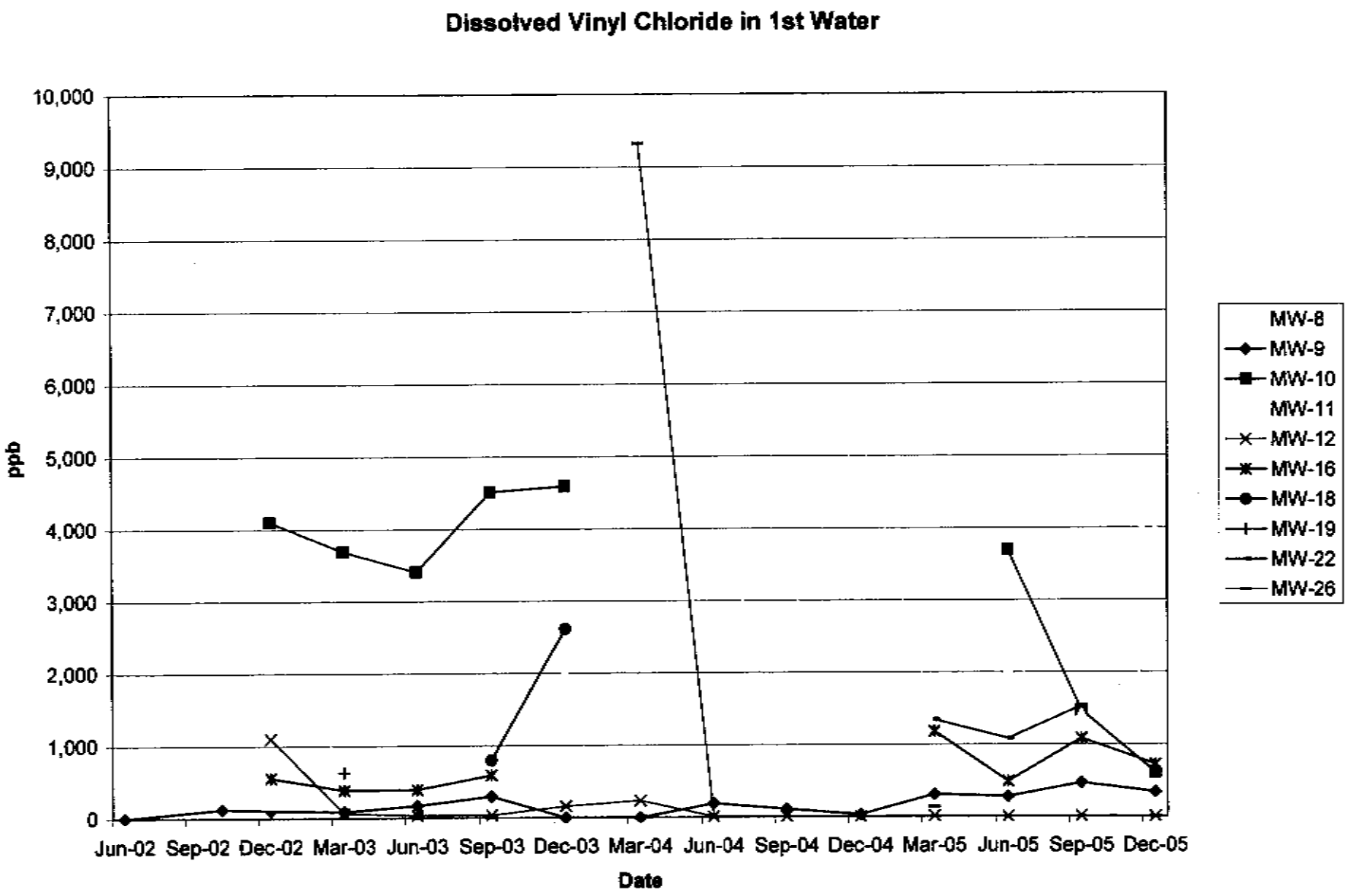
ANCHEM1449


Dissolved Cis-1,2-DCE in A1 Wells
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

ANCHEM1450

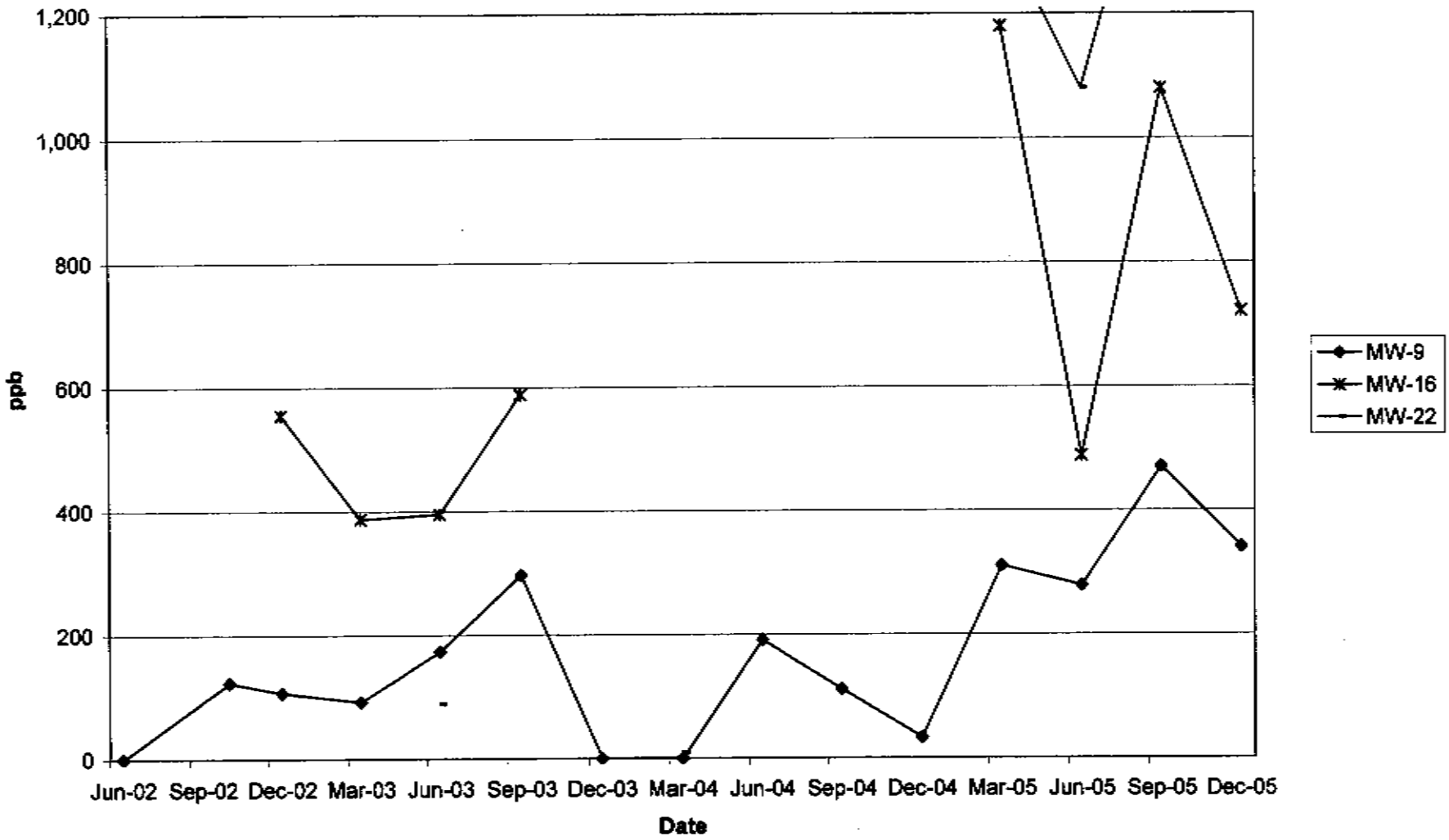

Dissolved Cis-1,2-DCE in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
ppb
50
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25

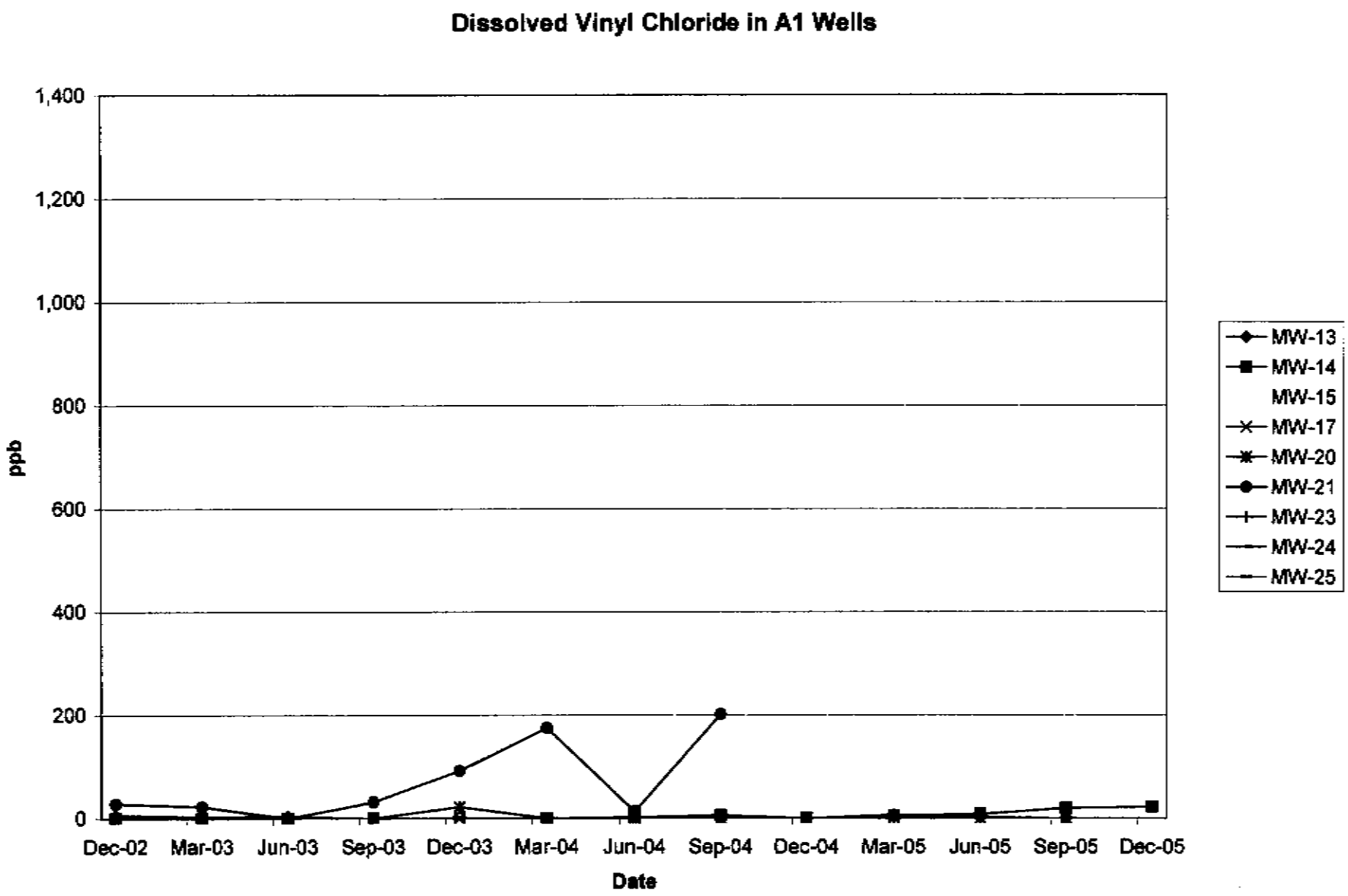
ANCHEM1451


Dissolved Vinyl Chloride in 1st Water
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

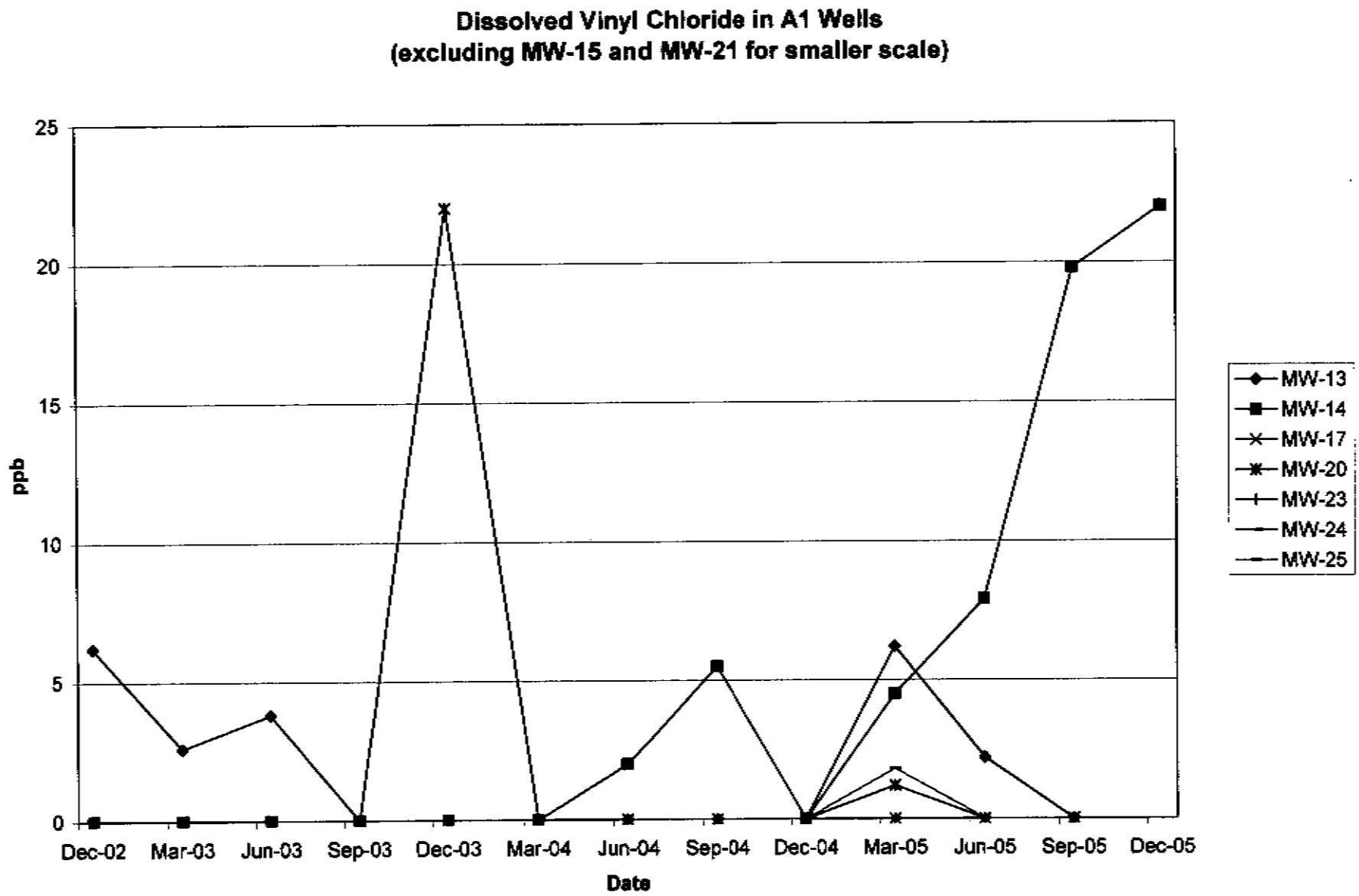
ANCHEM1452

Dissolved Vinyl Chloride in 1st Water
(excluding MW-10, MW-11, MW-12, MW-18, MW-19 and MW-26 for smaller scale)

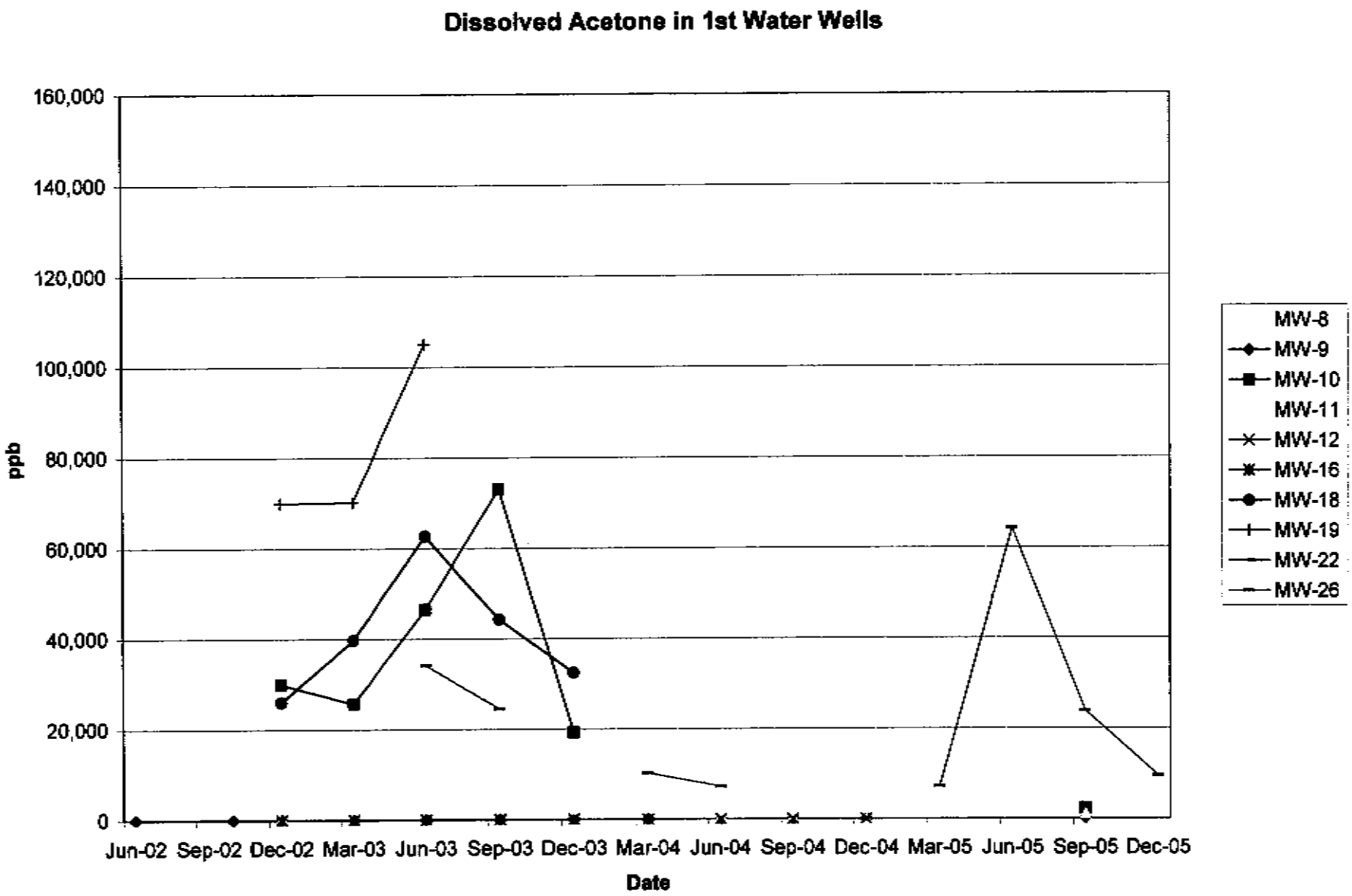



Dissolved Vinyl Chloride in A1 Wells
1,400
1,200
1,000
800
600
400
200
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

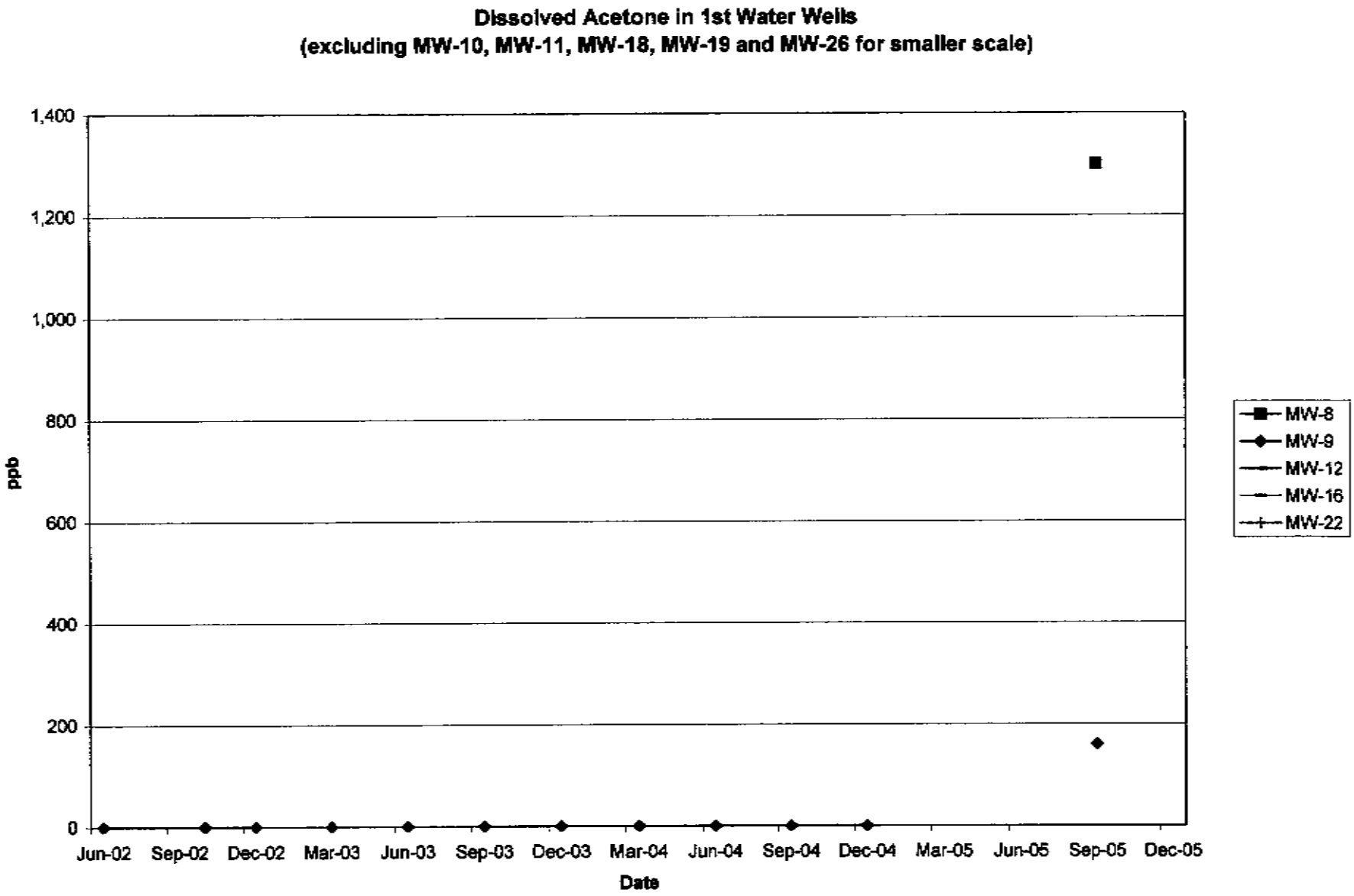
ANCHEM1454


Dissolved Vinyl Chloride in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)
25
20
15
10
5
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

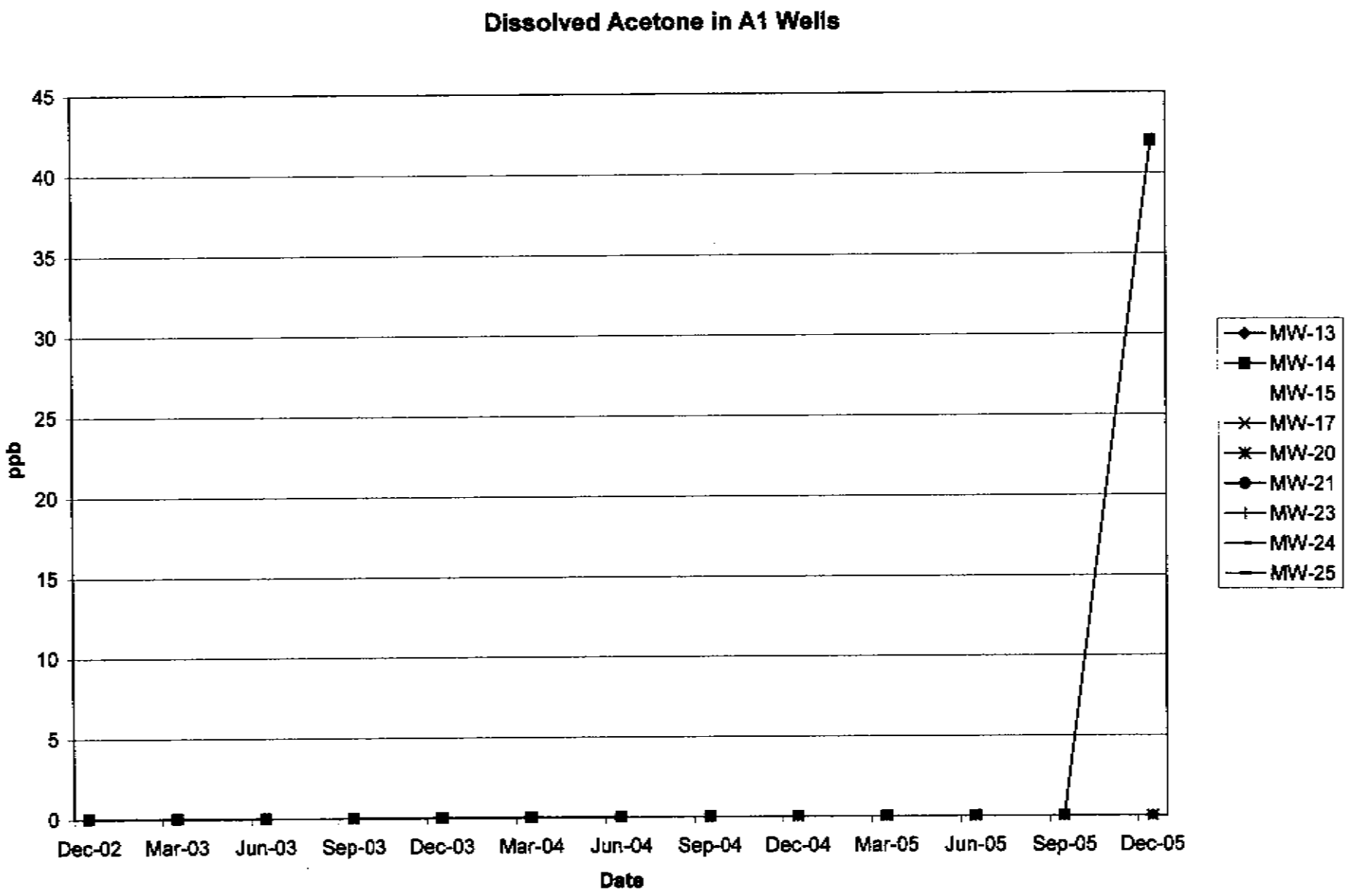
ANCHEM1455


Dissolved Acetone in 1st Water Wells
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

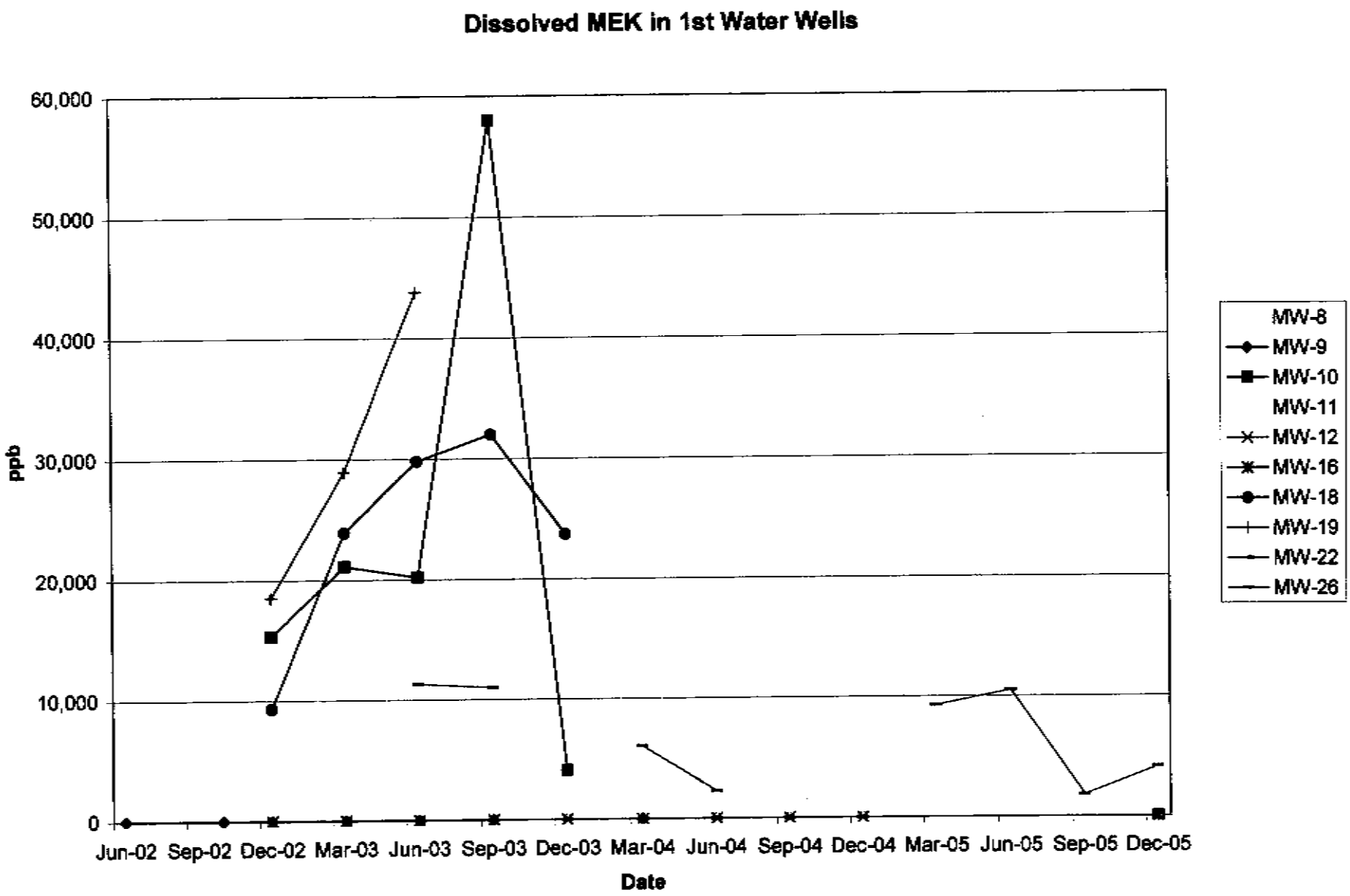
ANCHEM1456


Dissolved Acetone in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
1,400
1,200
1,000
800
600
400
200
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-12
MW-16
MW-22

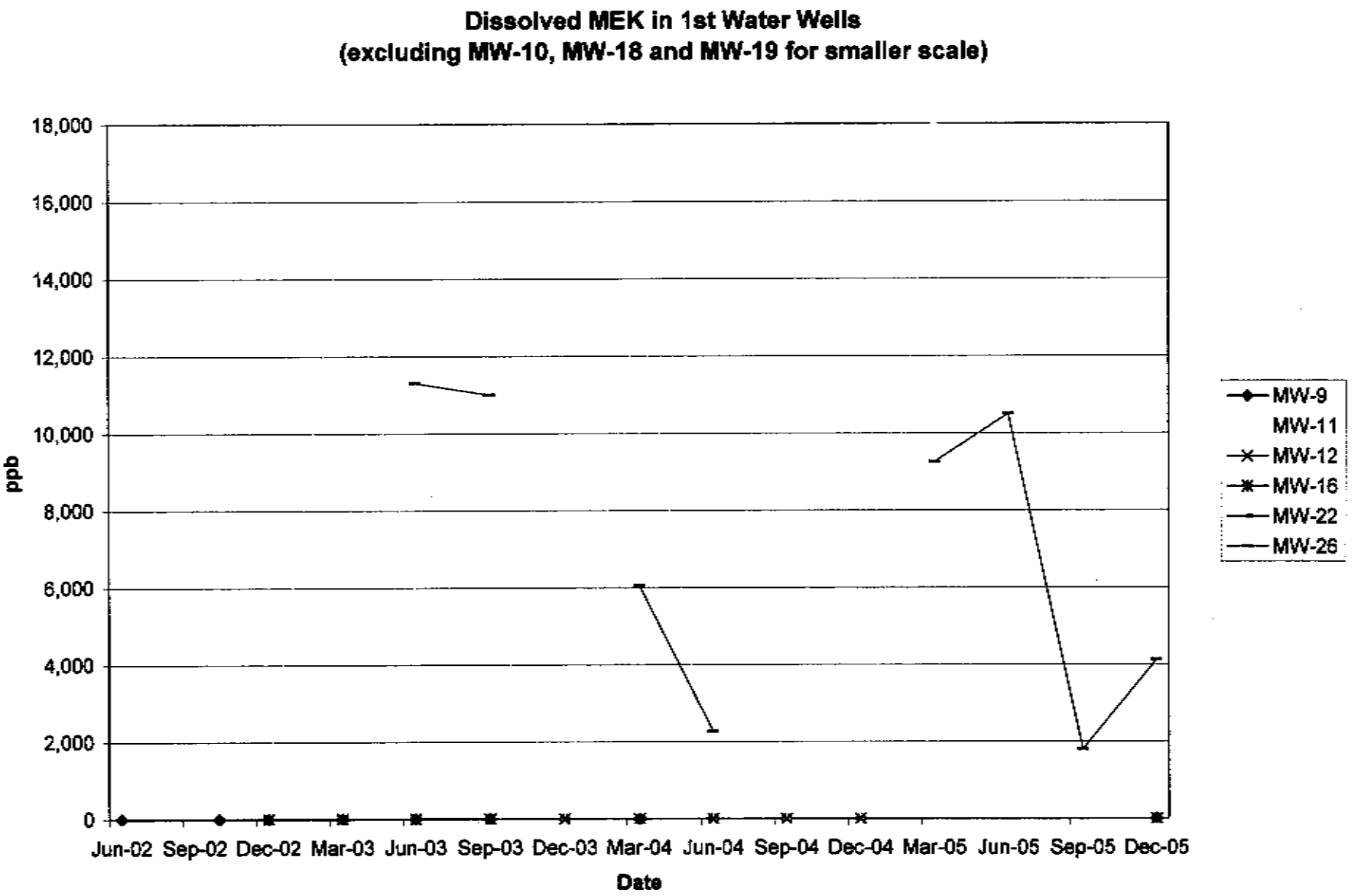
ANCHEM1457


Dissolved Acetone in A1 Wells
ppb
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

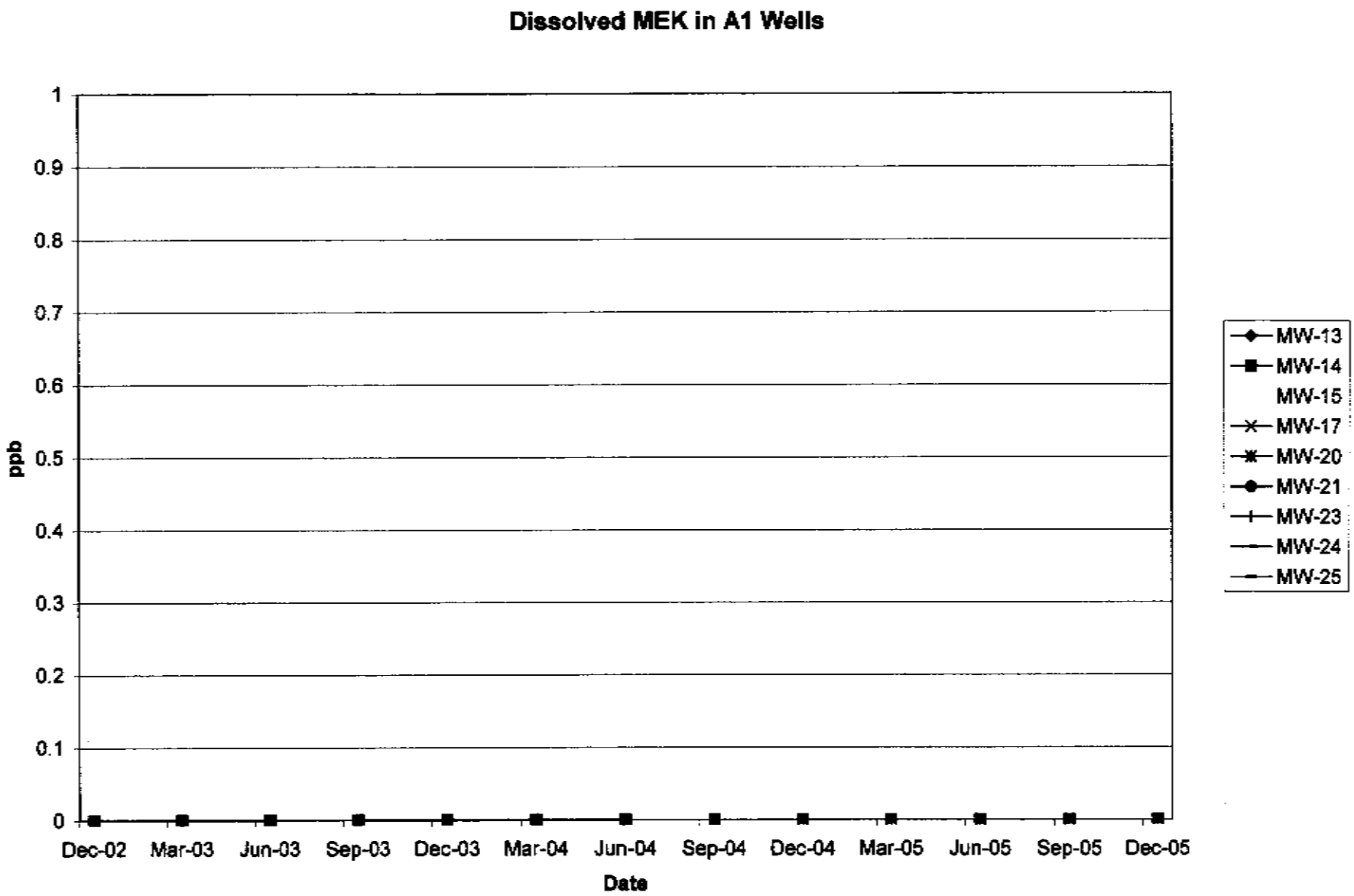
ANCHEM1458


Dissolved MEK in 1st Water Wells
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM1459


Dissolved MEK in 1st Water Wells
(excluding MW-10, MW-18 and MW-19 for smaller scale)
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-9
MW-11
MW-12
MW-16
MW-22
MW-26

ANCHEM1460


Dissolved MEK in A1 Wells
ppb
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

APPENDIX C

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED			12-22	12-22-05	12-22-05			12-22-05	12-22-05
DILUTION FACTOR				10	10	250	100	1	1
LAB SAMPLE I.D.				BL512108-1	BL512108-2	BL512108-3	BL512108-4	BL512108-5	BL512108-6
CLIENT SAMPLE I.D.				MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
COMPOUND	**MDL**	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	4,050*	340	608	2,160*	4.4	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	111	ND	668	2,810	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND	2.4J
1,1-Dichloroethene	2	5	ND	1,100	2,000	1,170	800	ND	49.8
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	33,000*	2,430	33,100	34,100*	20.5	5.5
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	5,890*	594	4,380	5,350	4.4J	11.3
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	71.1	ND	2,570	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	286	36.4	ND	524	ND	ND
Trichloroethene	2	2	ND	ND	88.1	ND	ND	1.3J	28.9
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	145	14.7J	ND	ND	46.1	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 2 of 2)

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
Toluene	1	1	ND	4,080*	ND	15,000	7,400	ND	ND
Tetrachloroethene	2	2	ND	ND	152	ND	ND	4.2	28.4
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	1,780	ND	1,820	1,650	10.3	ND
Total Xylenes	2	2	ND	5,690*	ND	6,490	4,470	8.4	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	232	ND	1,690	248	105	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	859	ND	680J	764	30.6	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	4,200*	ND	2,680	2,240	49.6	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	4.4J	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	2.2J	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	41.1J	ND	ND	ND	5.9	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	282	ND	395J	172J	15.1	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	50	100	ND	ND	24,100	ND	ND	ND	ND
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

* Obtained from a higher dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: ppb

DATE ANALYZED			12-22	12-22-05	12-22-05	12-22-05	12-22-05	
DILUTION FACTOR			2	1	20	1	1	
LAB SAMPLE I.D.			BL512108-7	BL512108-8	BL512108-9	BL512108-10	BL512108-11	
CLIENT SAMPLE I.D.			MW-14	MW-15	MW-16	MW-17	MW-20	
COMPOUND	**MDL**	PQL						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	
Chloromethane	2	5	ND	ND	ND	ND	ND	
Vinyl Chloride	1	2	22	418	721	ND	ND	
Bromomethane	2	5	ND	ND	ND	ND	ND	
Chloroethane	2	5	ND	30.4	ND	ND	ND	
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	2	5	262	89.1	3,480	11.3	57.4	
Iodomethane	2	5	ND	ND	ND	ND	ND	
Methylene Chloride	2	5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1	2	77.2	262	3,990	ND	27.1	
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2	5	56.9	265	4,110	3.0J	7.3	
Bromochloromethane	2	5	ND	ND	ND	ND	ND	
Chloroform	2	5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	2	5	ND	ND	42.6J	ND	ND	
1,1,1-Trichloroethane	2	5	ND	ND	83.2	ND	2.2J	
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	
Benzene	1	1	ND	27.5	87.2	ND	ND	
Trichloroethene	2	2	15.3	5.5	180	18.9	12.9	
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	
Dibromomethane	2	5	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	
Bromoform	2	5	ND	ND	ND	ND	ND	
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	
Bromobenzene	2	5	ND	ND	ND	ND	ND	

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 2 of 2)
Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MW-14	MW-15	MW-16	MW-17	MW-20	
Toluene	1	1	ND	54.5	ND	ND	1.7	
Tetrachloroethene	2	2	25.7	26.6	209	36.3	21.3	
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	
Chlorobenzene	2	5	ND	9.4	ND	ND	ND	
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	
Ethylbenzene	1	1	ND	7.2	242	ND	ND	
Total Xylenes	2	2	ND	30.8	90.2	ND	ND	
Styrene	2	5	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	
n-Propylbenzene	2	5	ND	ND	30.6J	ND	ND	
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	2	5	ND	ND	92.0J	ND	ND	
tert-Butylbenzene	2	5	ND	ND	217	ND	ND	
1,2,4-Trimethylbenzene	2	5	ND	5.7	1,450	ND	ND	
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
n-Butylbenzene	2	5	ND	ND	77.6J	ND	ND	
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	
Naphthalene	2	5	ND	ND	349	ND	ND	
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	
Acetone	5	25	42.0 J	ND	ND	ND	ND	
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	
Carbon disulfide	5	25	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	
2-Hexanone	5	25	ND	ND	ND	ND	ND	
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	
1,4-Dioxane	50	100	ND	51.1	10,300	ND	ND	
MTBE	2	2	ND	ND	ND	ND	ND	
ETBE	2	2	ND	ND	ND	ND	ND	
DIPE	2	2	ND	ND	ND	ND	ND	
TAME	2	2	ND	ND	ND	ND	ND	
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED			12-22	12-22-05	12-22-05	12-22-05	12-22-05	12-22-05	
DILUTION FACTOR			1	1	1	50	50	1	
LAB SAMPLE I.D.			BL512108-13	BL512108-14	BL512108-15	BL512108-16	BL512108-17	BL512108-18	
CLIENT SAMPLE I.D.			MW-23@73.5	MW-24@69.5	MW-25@73.5	MW-26	DB-1	EB-1	
COMPOUND	**MDL**	**PQL**							
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND	
Chloromethane	2	5	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	1	2	ND	ND	ND	ND	2,110	ND	
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	
Chloroethane	2	5	ND	ND	ND	ND	2,870	ND	
Trichlorofluoromethane	2	5	2.2J	23.9	11.0	313J	ND	ND	
1,1-Dichloroethene	2	5	636*	50.6	8.2	9,210*	1,050	ND	
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	
Methylene Chloride	2	5	ND	ND	ND	10,000	ND	ND	
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1	2	51.5	5.9	ND	2,300	36,100*	ND	
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2	5	24.9	14.5	2.7	10,600*	5,770	ND	
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	
Chloroform	2	5	ND	5.5	ND	ND	ND	ND	
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	2	5	16.2	5.2	ND	4,710	ND	ND	
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	
Benzene	1	1	ND	ND	ND	257	400	ND	
Trichloroethene	2	2	19.3	86.0	41.0	2,160	ND	ND	
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND	
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND	
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND	
Bromoform	2	5	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND	
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	

Client: Clean Soils Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL512108 Date Reported: 01-03-2006
Matrix: Water Date Sampled: 12-16-2005

EPA 8260B (VOCs by GC/MS, Page 2 of 2)
Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MW-23@73.5	MW-24@69.5	MW-25@73.5	MW-26	DB-1	EB-1	
Toluene	1	1	ND	ND	ND	16,400*	6,000	ND	
Tetrachloroethene	2	2	142	70.0	59.4	1,080	ND	ND	
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	
Ethylbenzene	1	1	ND	ND	ND	2,070	1,400	ND	
Total Xylenes	2	2	ND	ND	ND	6,070	3,830	ND	
Styrene	2	5	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	
n-Propylbenzene	2	5	ND	ND	ND	ND	170J	ND	
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	614	ND	
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	594	1,920	ND	
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	
Naphthalene	2	5	ND	ND	ND	ND	140J	ND	
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	
Acetone	5	25	ND	ND	ND	9,440	ND	ND	
2-Butanone (MEK)	5	25	ND	ND	ND	4,120	ND	ND	
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	5	25	ND	ND	ND	7,120	ND	ND	
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	50	100	ND	ND	ND	ND	ND	ND	
MTBE	2	2	ND	ND	ND	ND	ND	ND	
ETBE	2	2	ND	ND	ND	ND	ND	ND	
DIPE	2	2	ND	ND	ND	ND	ND	ND	
TAME	2	2	ND	ND	ND	ND	ND	ND	
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	

01-03-2006

Client: Clean Soils Inc.

Lab Job No.: BL512108

Project: Angeles Chemical Co.

Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA

Date Sampled: 12-16-2005

Matrix: Water

Date Received: 12-16-2005

Batch No.: BML21-GW1

Date Analyzed: 12-21-2005

EPA 8015M (Gasoline)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	C4-C12 (Gasoline Range)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-8	BL512108-1	64,600	50	50
MW-9	BL512108-2	3,600	50	50
MW-10	BL512108-3	87,100	50	50
MW-11	BL512108-4	238,000	50	50
MW-12	BL512108-5	1,470	50	50
MW-13	BL512108-6	92.1	50	50
MW-14	BL512108-7	180	50	50
MW-15	BL512108-8	885	50	50
MW-16	BL512108-9	21,800	50	50
MW-17	BL512108-10	104	50	50
MW-20	BL512108-11	81.5	50	50
MW-23@73.5	BL512108-13	288	50	50
MW-24@69.5	BL512108-14	341	50	50
MW-25@73.5	BL512108-15	165	50	50
MW-26	BL512108-16	158,000	50	50
DB-1	BL512108-17	241,000	50	50
EB-1	BL512108-18	ND	50	50

PQL: Practical Quantitation Limit.

01-03-2006

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Matrix: Water

Lab Job No.: BL512108
Date Sampled: 12-16-2005
Date Received: 12-16-2005

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Unit	MW-8	MW-9	MW-10	MW-11	MW-12	Reporting Limit
				BL512108-1	BL512108-2	BL512108-3	BL512108-4	BL512108-5	
Ethylene	GC/FID	12-19-05	ug/L	804	46	193	1,803	ND	5
TDS	160.1	12-20-05	mg/L	136	1,550	509.4	630	374	2
Nitrate	352.1	12-16-05	mg/L	10.8	16.3	4.11	8.20	6.70	0.01
Sulfate	375.4	12-19-05	mg/L	4.82	224	11.4	ND	76.6	1.0
Total Iron	7380	12-19-05	mg/L	0.11	ND	0.59	0.61	ND	0.1
Manganese	7460	12-19-05	mg/L	2.07	0.23	2.49	6.05	2.62	0.05
Ferrous Iron	Colori-metry	12-16-05	mg/L	ND	ND	ND	0.10	ND	0.05

Analyte	EPA Method	Date Analyzed	Unit	MW-13	MW-15	MW-17	MW-20		Reporting Limit
				BL512108-6	BL512108-8	BL512108-10	BL512108-11		
Ethylene	GC/FID	12-19-05	ug/L	ND	121	ND	ND		5
TDS	160.1	12-20-05	mg/L	516	----	1,070	1,020		2
Nitrate	352.1	12-16-05	mg/L	12.2	6.86	13.9	17.6		0.01
Sulfate	375.4	12-19-05	mg/L	98.8	37.0	76.2	64.4		1.0
Total Iron	7380	12-19-05	mg/L	ND	ND	ND	ND		0.1
Manganese	7460	12-19-05	mg/L	0.25	0.20	ND	0.40		0.05
Ferrous Iron	Colori-metry	12-16-05	mg/L	ND	ND	ND	ND		0.05

ND: Not Detected (at the specified limit).

01-03-2006

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Matrix: Water
Batch No.: 1222-BNA

Lab Job No.: BL512108
Date Sampled: 12-16-2005
Date Received: 12-16-2005
Date Analyzed: 12-22-2005

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	1,4-Dioxane	Method Detection Limit	PQL
Method Blank		ND	2	3.0
MW-8	BL512108-1	167	2	3.0
MW-10	BL512108-3	124	2	3.0
MW-12	BL512108-5	ND	2	3.0
MW-13	BL512108-6	ND	2	3.0
MW-17	BL512108-10	ND	2	3.0
MW-20	BL512108-11	96.5	2	3.0

ND: Not Detected (at the specified limit)

01-03-2006

EPA 8015M

Batch QA/QC Report

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Matrix: Water
Batch No.: BML22-GW1

Lab Job No.: BL512108

Lab Sample ID: GP512115-1
Date Analyzed: 12-22-2005

I. MS/MSD Report

Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	988	1,010	98.8	101.0	2.2	30	70-130

II. LCS Result

Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
TPH-g	886	1,000	88.6	80-120

ND: Not Detected.

01-03-2006

Modified EPA 8270C (1,4-Dioxane by GC/MS)

Batch QA/QC Report

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Matrix: Water
Batch No.: 1222-BNA

Lab Job No.: BL512108

Lab Sample ID: ST1222-1
Date Analyzed: 12-22-2005

LCS/LCSD Result

Unit: ppb

Analyte	Sample Conc.	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,4-Dioxane	ND	10.0	10.8	10.5	108.3	104.7	3.4	30	70-130

ND:Not Detected

01-03-2006

EPA 8260B

Batch QA/QC Report

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Matrix: Water
Batch No: 1222-VOBW1

Lab Job No.: BL512108
Lab Sample ID: GP512115-1
Date Analyzed: 12-22-2005

I. MS/MSD Report

Unit: ppbAnalyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	20.5	15.9	102.5	79.5	25.3	30	70-130
Benzene	ND	20	21.8	17.4	109.0	87.0	22.4	30	70-130
Trichloro-ethene	ND	20	18.6	15.6	93.0	78.0	17.5	30	70-130
Toluene	ND	20	23.0	17.0	115.0	85.0	30.0	30	70-130
Chlorobenzene	ND	20	22.1	17.5	110.5	87.5	23.2	30	70-130

II. LCS Result

Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	46.3	50	92.6	80-120
Benzene	49.4	50	98.8	80-120
Trichloro-ethene	43.7	50	87.4	80-120
Toluene	51.0	50	102.0	80-120
Chlorobenzene	49.1	50	98.2	80-120

ND: Not Detected.

01-03-2006

Ethylene by GC/FID
Batch QA/QC Report

Client: Clean Soils Inc.
Project: Angeles Chemical Co.
Matrix: Water
Batch No.: FL19A

Lab Job No.: BL512108

Lab Sample ID: BL512108-6
Date Analyzed: 12-19-2005

I. Sample/Sample Dup Report
Reporting Units: µg/L

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	%RPD Accept. Limit
Ethylene	ND	ND	ND	2.1	30

II. LCS Result

Reporting Units: µg/L

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limi
Ethylene	4,249	4,170	101.9	80-120

ND: Not Detected.

AmeriChem Testing Laboratory

1761 N. Batavia St.
Orange, CA 92865

(714) 921-1550
FAX: (714) 921-4770

Analytical Report

REPORT NUMBER: AL-7443
CLIENT:
STS Environmental Lab.
7801 Telegraph Rd. suite J
Montebello, CA 90640

REPORT ON:
Water sample
BL-512108 , 12/16/05

DATE RECEIVED: 12/19/05
DATE REPORTED: 12/21/05

ANALYSIS : Chloride, DET. LIMIT: 0.1mg/l, METHOD: EPA 325.3
ANALYSIS : Sulfide, DET. LIMIT: 0.05mg/l, METHOD: EPA 376.1
ANALYSIS : Caronate, DET. LIMIT: 2.0mg/l, METHOD: Standard Method 4500
ANALYSIS : Bicarbonate, DET. LIMIT: 2.0mg/l, METHOD: Standard Method 4500
ANALYSIS : Alkalinity, DET. LIMIT: 1.0mg/l, METHOD: EPA 310.1

ANALYSIS	TEST RESULT, mg/l								
	-1	-2	-3	-4	-5	-6	-8	-10	-11
Chloride	125	294	65.3	98.0	45.6	65.3	144	125	114
Sulfide	0.48	ND	ND	0.16	ND	ND	ND	ND	ND
Carbonate	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bicarbonate	355	363	332	351	194	229	320	256	271
Total Alkalinity	583	595	545	573	318	375	525	420	445

Peter T. Wu
Lab Director

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number BL512108

Client: Southland Technical Services, Inc.

Address: 7801 Telegraph Rd #L Montebello, CA 90640

Report Attention: Roger Wang

Phone: 3238880728

Fax: 3238881509

Sampled by:

Project Name/No.: BL512108

Project Site:

T.A.T. Requested: ☐ Rush 8 12 24 hours ☐ 2-3 days ☐ Normal

Sample Condition: ☐ Chilled ☐ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	Chloride	Sulfide	Alkalinity	Standard Methods	Carbonate & Bicarbonate		Remarks
BL512108-1		12/16/05		H2O		1P							X	X	X	X			MW-8
-2		"		"		"							X	X	X	X			MW-9
-3		"		"		"							X	X	X	X			MW-10
-4		"		"		"							X	X	X	X			MW-11
-5		"		"		"							X	X	X	X			MW-12
-6		"		"		"							X	X	X	X			MW-13
-8		"		"		"							X	X	X	X			MW-15
-10		"		"		"							X	X	X	X			MW-17
-11		"		"		"							X	X	X	X			MW-20

Relinquished by	Company	Date	Time	Received by	Company
[illegible]	SLS	12/19/05	pm	[illegible]	12/19/05
Relinquished by	Company	Date	Time	Received by	Company

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Southland Technical Services (6304)
ATTN: Roger Wang
7801 Telegraph Rd.- Suite L
Montebello, CA 90640

LAB REQUEST 161813
REPORTED 12/31/2005
RECEIVED 12/19/2005

PROJECT BL512108

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
674927	BL512108-1
674928	BL512108-2
674929	BL512108-3
674930	BL512108-4
674931	BL512108-5
674932	BL512108-6
674933	BL512108-10
674934	BL512108-11
674935	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

ANCHEM1478

Order #: 674927 **Client Sample ID:** BL512108-1
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst
415.1 Total Organic Carbon (TOC)				
Total Organic Carbon	23	1.0	mg/L	12/23/05 QP
9060 Total Organic Carbon (TOC)				
Dissolved Organic Carbon	24	1.0	mg/L	12/23/05 QP

Order #: 674928 **Client Sample ID:** BL512108-2
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst
415.1 Total Organic Carbon (TOC)				
Total Organic Carbon	22	1.0	mg/L	12/23/05 QP
9060 Total Organic Carbon (TOC)				
Dissolved Organic Carbon	21	1.0	mg/L	12/23/05 QP

Order #: 674929 **Client Sample ID:** BL512108-3
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst
415.1 Total Organic Carbon (TOC)				
Total Organic Carbon	17	1.0	mg/L	12/23/05 QP
9060 Total Organic Carbon (TOC)				
Dissolved Organic Carbon	14	1.0	mg/L	12/23/05 QP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 674930 **Client Sample ID:** BL512108-4
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	30	1.0	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	29	1.0	mg/L	12/23/05	QP

Order #: 674931 **Client Sample ID:** BL512108-5
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	4.1	1.0	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	4.4	1.0	mg/L	12/23/05	QP

Order #: 674932 **Client Sample ID:** BL512108-6
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	3.7	1.0	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	5.0	1.0	mg/L	12/23/05	QP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 674933 **Client Sample ID:** BL512108-10
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	17	1.0	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	15	1.0	mg/L	12/23/05	QP

Order #: 674934 **Client Sample ID:** BL512108-11
Matrix: WATER
Date Sampled: 12/16/2005

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	9.8	1.0	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	8.7	1.0	mg/L	12/23/05	QP

Order #: 674935 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DLR	Units	Date/Analyst	
415.1 Total Organic Carbon (TOC)					
Total Organic Carbon	ND	0.5	mg/L	12/23/05	QP
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	ND	0.5	mg/L	12/23/05	QP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 161813-5

Matrix: WATER

Prep. Date: December 23, 2005

Analysis Date: December 23, 2005

ID#'s in Batch: LR 161813

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TOC	415.1 / 9060	4	10	13.6	14.7	96	107	8

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80 - 120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	9.7	10	97	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

CHAIN OF CUSTODY RECORD

Date 12/19/05 Page 1 of 1

CLIENT Southland Tech Services Inc
ADDRESS 7801 Telegraph Rd #L
Montebello, CA 90640

PROJECT NAME BL512108

PROJECT MANAGER

PHONE NUMBER 323 888 0728

SAMPLERS: (Signature)

Lab Use Only:
Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ____ Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular ____ 48 Hr. ____

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER	AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
BL512108-1		12/16/05		✓			2P		TOC , DOC
-2		"		"			"		" , "
-3		"		"			"		" , "
-4		"		"			"		" , "
-5		"		"			"		" , "
-6		"		"			"		" , "
~~-8~~		~~"~~		~~"~~			~~"~~		~~" , "~~
-10		"		"			"		" , "
-11		"		"			"		" , "

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature] L/AO	[signature]	12/19/05
Relinquished by: (Signature)	Received by Laboratory for analysis: (Signature)	Date/Time 14:35

Special Instructions:

I hereby authorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

12.20.05 2:20

ANCHEM1483