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2005 3th QUARTER GROUNDWATER MONITORING REPORT

FOR

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

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1.0) INTRODUCTION

Clean Soil, Inc. (CSI) 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 3rd quarter monitoring episode performed on September 19, 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 has 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 advanced eight borings from 5' below grade surface (bgs) to 50' bgs. Soil samples collected and analyzed identified 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 performed an additional site investigation at the site by advancing six additional borings advanced from 20.5' bgs to 60' bgs. A monitoring well (MW-1) was also installed. Soil sample analysis identified 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 performed 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 performed separate soil vapor extraction pilot tests using several treatment technologies on extraction well E-1 screened from 7' bgs and 22' 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 performed a soil vapor survey at the site. Soil vapor samples were collected at twenty-three locations at 5' bgs. In addition, soil vapor samples were collected at 15' bgs in five of the twelve sampling points. The soil vapor survey identified maximum VOC concentrations near the railroad tracks located on the northern portion of the site.

Blakely Environmental Investigations, Inc. (BEII) performed a soil vapor gas survey 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' bgs and one at 20' bgs. SV1 was an exception since the first soil vapor sample was collected at 10' bgs instead of 8' bgs. Based on the soil vapor sample results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 8' bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20' bgs. Results were submitted to the DTSC by BEII in a Report of Findings dated January 10, 2001 with laboratory reports (BEII Report of Findings dated January 10, 2001).

BEII performed an additional soil gas survey on the ACC site from January 14 to January 17, 2002. The purpose of the soil gas survey 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 a SGS 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 gas survey results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 5' bgs, 7'bgs, 8' bgs, 10' bgs, and 12' bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20' bgs, which are more permeable and conducive to soil vapor migration. Furthermore, VOC soil gas 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 a Report of Findings dated October 15, 2002 with laboratory reports.

BEII advanced 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 advanced to 50' bgs and 30' bgs, respectively. Monitoring wells MW-8 and MW-9 were installed to 40.5' bgs and 45.5' bgs, respectively. Soil sample results identified elevated VOC concentrations from

monitoring well MW-8 at depth between 29' and 40' bgs. Results were submitted by BEII to the DTSC in a Report of Findings dated October 15, 2002 with laboratory reports.

BEII advanced eight soil borings (BSB-3 through BSB-10) and eleven cone penetrometer testing locations (CPT-1 though CPT-11) in August 2002 to help determine the extent of impacted soil and subsurface geology. In November and December of 2002, BEII advanced seven additional borings (BSB-11 through BSB-17), fifteen additional cone penetrometer locations (CPT-12 through CPT-26) and installed twelve additional monitoring wells (MW-10 through MW-21) to help further define the extent of VOC impacted soil/groundwater and the subsurface geology. 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. Surficial 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 surficial 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 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 horizons beneath the ACC site. Uppermost is an "overburden" unit comprising 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) horizon designated as "unit B". Following is a fine-grained predominantly silt zone designated as "unit C1" which is underlain by a coarser 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 (clay) at the top, and coarser (sandy silt) with depth. Finally, "unit E" is a clean coarse 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' 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, MW-14, MW-15, MW-17, MW-20 and MW-21 will be noted as upper A1 zone monitoring wells and MW-23, MW-24 and MW-25 as lower A1 zone monitoring wells. Monitoring wells MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-16, MW-18, MW-19, MW-22, and MW-26 will be noted as the first water zone monitoring wells. Monitoring well MW-4 is noted as a first water zone well, but was dry during the recent sampling event.

The groundwater gradient flowed historically to the southwest as identified by SCS. In September 2005, the first water was identified at depths between 32.02' bgs to 39.37' bgs beneath the site. A potentiometric groundwater gradient map of the first water is included as Figure 3. Groundwater in the A1 zone was identified at depths between 36.98' bgs to 41.70' bgs beneath the site. A potentiometric groundwater gradient map of the 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 indicates a seasonal recharge in both hydrologic zones. Groundwater levels generally declined from June 2003 to December 2004, due to limited rainfall, which supplies seasonal recharge. The most recent groundwater elevations measured in September 2005 coincide with recent seasonal changes with an increase in water elevations in all wells except for the southern most first water wells MW-12, MW-18, MW-22, and MW-26, which showed a decrease.

6.0) GROUNDWATER MONITORING PROTOCOL

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

The depth to groundwater was measured in each well using a decontaminated water level indicator capable of measuring to with 1/100th of a foot. Prior to and following collection of measurements from each well, the portions of the water level indicator entering groundwater were 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 contaminated to the most contaminated based on past analysis. For the FACC wells, the following order of wells was followed: MW-23, MW-24, MW-25, MW-20, MW-17, MW-13, MW-14, MW-15, MW-12, MW-22, MW-9, MW-26, MW-11, MW-8, MW-21, MW-16, MW-10, MW-4, MW-6, MW-18 and MW-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 result 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 was indicated as light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL).

Groundwater purging was conducted immediately following the sounding of all monitoring wells. Groundwater samples were analyzed for the following constituents (new wells for TPH-gas and VOCs only):

- Volatile organic compounds (VOCs) using EPA Method 8260B to include all Tentatively Identified Compounds (TICs).
- Total Petroleum Hydrocarbons as gasoline (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-12, MW-13, MW-17, MW-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 has 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 was presented in the Field Sampling Plan as Appendix A in the Groundwater Monitoring Work Plan dated October 23, 2001 and submitted to the DTSC.

Prior to purging, casing volumes was 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 drum for disposal at a later date.

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 within the well from purging. 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 episode.

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 column. 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 and 7 with expiration dates of June 2006. Conductivity was calibrated to a 3900 µs standard and 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, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-20, MW-22 and MW-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, MW-24 and MW-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 analysis.

Groundwater samples were collected in the following order: MW-20, MW-13, MW-17, MW-15, MW-14, MW-12, MW-22, MW-26, MW-11, MW-9, MW-10, MW-16, MW-8, MW-23, MW-24 and MW-25. Monitoring wells MW-4 and MW-6 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, 0.12-feet, respectively. MW-21 initially identified 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. An equipment blank was collected per 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

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

Free product (FP) was identified as LNAPL in monitoring wells MW-18 and MW-19 at thicknesses of 0.01-feet, 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 (gallons)
• MW-4	0.76
• MW-6	2
• MW-8	12.81
• MW-10	5.29
• MW-16	1.15
• MW-18	54.95
• MW-19	10.61
• MW-21	0.41
TOTAL	**87.98**

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 compared to the FP from MW-19.

8.0) GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from the first water zone monitoring wells MW-8, MW-9, MW-10, MW-11, MW-12, MW-16, MW-22 and MW-26 in September 2005 contained dissolved TPH-gas at 52,000 µg/L, 3,390 µg/L, 144,000 µg/L, 991,000 µg/L, 1,540 µg/L, 45,700 µg/L, 2,700 µg/L and 40,300 µg/L, respectively. Monitoring wells MW-8 and MW-16 could be sampled again since no product was present. 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 concentrations from MW-18 and MW-19 represent the LNAPL that is now present in those first water wells. MW-8, MW-10 and MW-16 previously contained free product and currently display high levels of dissolved TPH-gas.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, MW-14, MW-15, MW-17 and MW-20 in March 2005 contained TPH-gas ranging from 111 µg/L in MW-20 to 1,250 µg/L in MW-14. The lower A1 zone monitoring wells MW-23, MW-24 and MW-25 identified dissolved TPH-gas as 153 µg/L, 150 µg/L and 113 µg/L, respectively. See Table 3 and Figure 10 for dissolved TPH-gas concentrations. Generally, contaminant graphs for the A1 zone identified lower dissolved TPH-gas concentrations in most wells during the month of September.

Concentrations of dissolved BTEX in the first water zone ranged from 23,050 µg/L in MW-26 to 39 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. In general, most first water wells contained their respective maximum dissolved benzene and toluene concentrations during the 1st or 3rd quarter.

Dissolved BTEX in the upper A1 zone ranged between 580.9 µg/L in MW-14 to <5 µg/L in MW-13, MW-17 and MW-20 (See Tables 4 and 5 and Figure 10 for dissolved BTEX concentrations). Unlike the first water zone, the upper A1 zone contains mostly xylenes 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, MW-24, and MW-25 identified no detectable concentrations of dissolved BTEX.

Groundwater sample results from the first water zone identified high VOC concentrations 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 1,070 µg/L from MW-26. Dissolved TCE was identified at a maximum of 2,540 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 whose concentrations fluctuated greatly. Maximum concentrations of dissolved PCE and TCE in the upper A1 zone were detected as 89.6 µg/L in MW-15 and 120 µg/L in MW-13, respectively (See Figure 12). The lower A1 zone contained maximum concentrations of dissolved PCE as 124 µg/L in MW-23 and TCE as 100 µg/L from MW-24. Wells in the upper and lower A1 zones exhibited a general increase in dissolved PCE and TCE (See Appendix B).

Dissolved concentrations of 1,1,1-TCA were identified in the first water zone at a maximum of 3,980 µg/L in MW-26 (See Figure 11). Contaminant graphs for the first water identified that in most wells with elevated dissolved 1,1,1-TCA (<100 µg/L) the maximum concentrations were detected during the month of December 2003 and most

wells with low level dissolved 1,1,1-TCA the maximum concentrations were detected in June 2003. Dissolved 1,1,1-TCA was non-detect (<4 µg/L in MW-14 and <2 µg/L in all other wells) in the A1 zone (See Figure 12), except for MW-13 (2.3 µg/L). Graphs of dissolved 1,1,1-TCA over time in the A1 zone June 2004 as the first episode where concentrations were all below 14 µg/L. Only concentrations in MW-21 rose above that level during September 2004.

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 28,700 µg/L and <2 µg/L. Dissolved concentrations in most wells have decreased over time (See Appendix B). A1 zone monitoring identified dissolved 1,4-Dioxane concentrations between 701 µg/L and 2 µg/L. Contaminant graphs display that dissolved 1,4-Dioxane has remained relatively stable except for MW-9, MW-14 and MW-16, which identified maximum concentrations during September 2005.

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 compared to the deeper A1 zone.

1,1-DCA is a daughter product from reductive dehalogenation of 1,1,1-TCA and from carbon-carbon double bond reduction of 1,1-DCE, another daughter product. Dissolved 1,1-DCA concentrations were identified between 46,600 µg/L and 63.1 µg/L in the first water zone (See Figure 11). The greatest dissolved 1,1-DCA concentration was observed in MW-10. 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 151 µg/L and <1 µg/L (See Figure 12). Dissolved 1,1-DCA concentrations identified in the lower A1 zone were between 8.9 µg/L and <1 µg/L. Most wells in the A1 zone identified a slight decrease or stable levels of dissolved 1,1-DCA concentrations since the previous episode.

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 11,100 µg/L to 526 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 452 µg/L and 15.2 µg/L (See Figure 12). Concentrations of detected dissolved 1,1-DCE were identified at a maximum of 57.8 µg/L in the lower A1 zone from MW-23. Most wells in the A1 zone identified elevated dissolved 1,1-DCE concentrations in June 2004 and

September 2005, except for MW-14, MW-15 and MW-21, which were elevated in March and September 2004.

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 11,200 µg/L (in MW-26) and 3.01 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 3.6 µg/L to a maximum of 176 µg/L identified from MW-15 (See Figure 12). The lower A1 zone contained dissolved cis-1,2-DCE at a maximum of 6.1 µg/L from MW-23. Contaminant graphs from the A1 zone identified a general decrease in dissolved cis-1,2-DCE over time with the exception of MW-15 and MW-21. MW-21 identified elevated concentrations (<2,500 µg/L) in March and September 2004 and MW-15 identified 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 1,530 µg/L (in MW-22) and 8.8 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 174 µg/L to <1 µg/L (See Figure 12). The maximum dissolved VC concentration was located along the southwest property line in monitoring well MW-15. Dissolved VC was non-detect in the lower A1 zone. The A1 zone wells identified fluctuations of dissolved VC concentrations with no discernable pattern.

Dissolved methylene chloride was identified in the first water zone at 8,500 µg/L (in MW-16) to <2 µg/L (See Figure 11). Methylene chloride was non-detect (<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 23,800 µg/L. Dissolved MEK concentrations ranged from 1,800 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 limit in both the upper and lower A1 zone (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 4,190 µg/L to <5 µg/L in the first water wells sampled this quarter (See Figure 13). No detectable concentrations were identified in all upper and lower A1 zone monitoring wells (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-13, MW-14, MW-17, MW-20 and MW-22. Lower oxygen levels and higher nitrate levels in MW-9, MW-11, MW-12 and MW-15 point to nitrate reduction as a principal electron-accepting process.

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

9.0) CONCLUSIONS

Based on groundwater elevation data, CSI concludes 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, CSI concludes 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 phase VOCs were identified in first water monitoring wells MW-8, MW-9,MW-10, MW-11, MW-16, MW-22 and MW-26. Dissolved VOC concentrations, however, were detected at higher concentrations in the first water zone compared to the A1 zone by one order of magnitude.

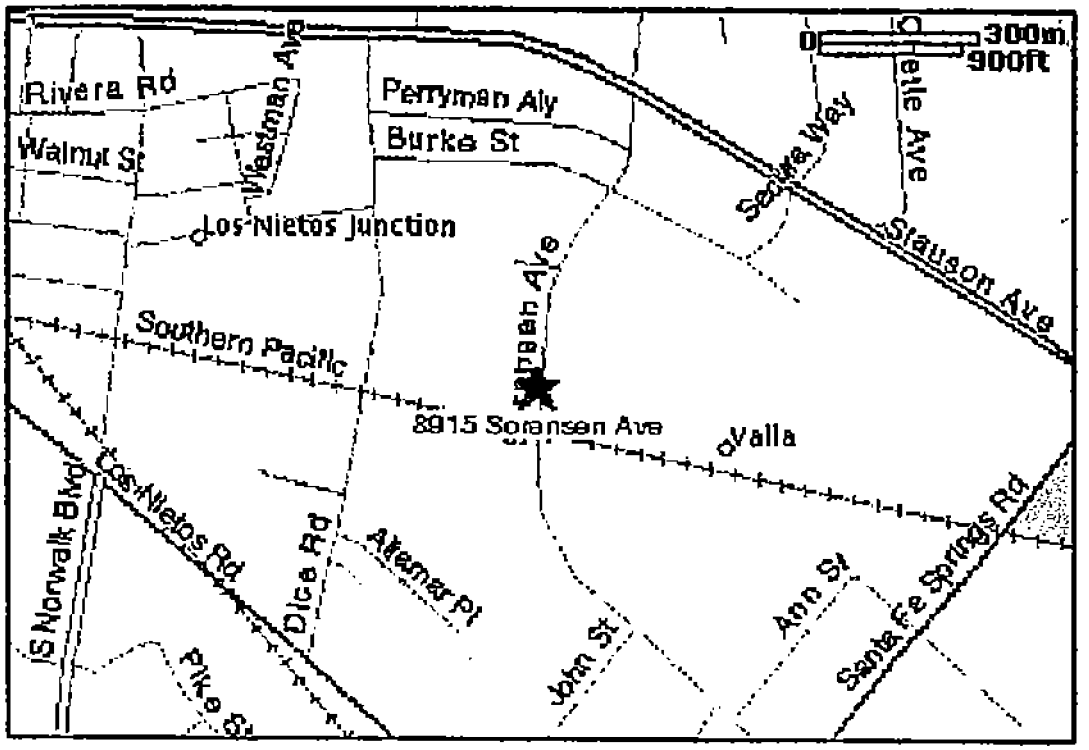
CSI also concludes that the recent groundwater sampling data provides preliminary support that the site has potential for intrinsic biodegradation. Dissolved parent VOC (PCE, TCE and 1,1,1-TCA) concentrations were identified at concentrations less than 500 µg/L, except in MW-10 and MW-26 where concentration 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 identified dissolved concentrations of up to 46,600 µg/L. The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

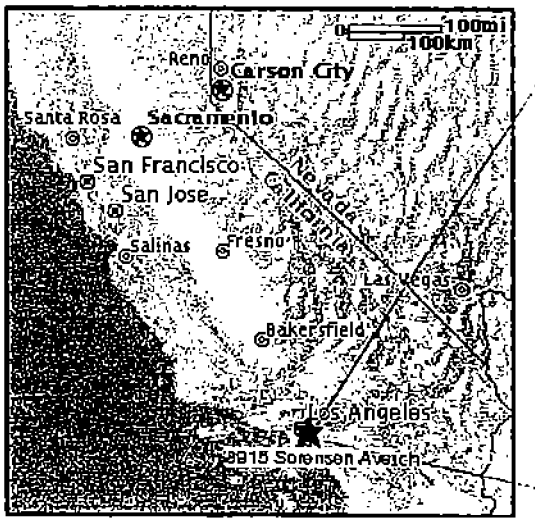
10.0) RECOMMENDATIONS

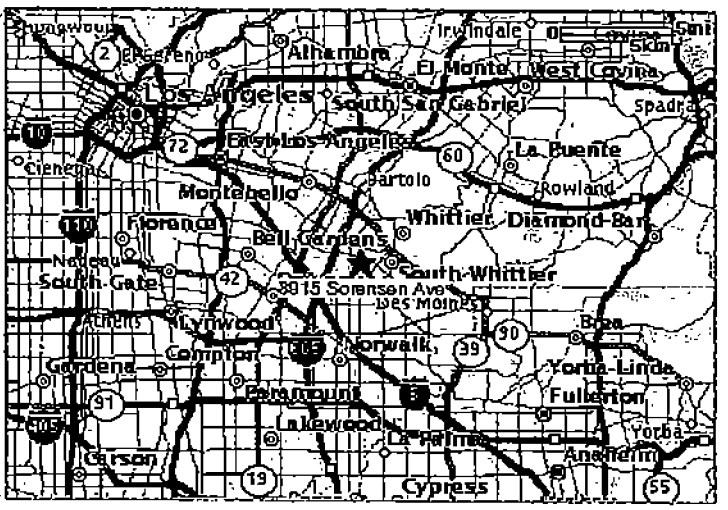
CSI recommends the following:

- Continued quarterly groundwater monitoring for VOC's and TPH-gas
- Continued free product removal on a monthly basis
- Continued Soil Vapor extraction (Began operation in October 2005)

FIGURES



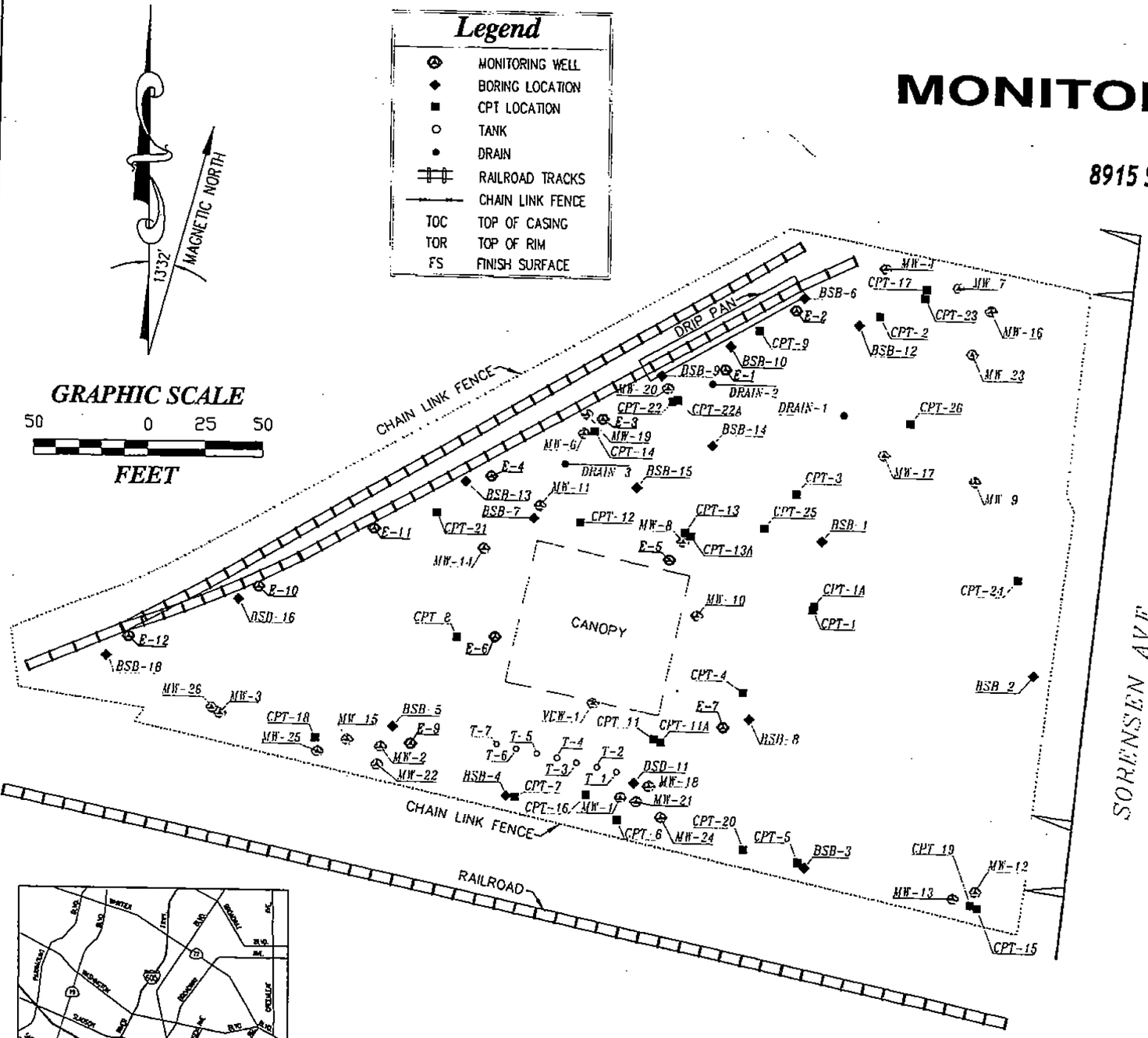




Clean Soil, Inc.	Site Location Map	FIGURE
	Former Angeles Chemical Company 8915 Sorensen Ave., Santa Fe Springs, CA 90670	1

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	1807356.04	6542521.64	149.89	150.20	150.19	
MW-1	1807314.87	6542534.25			150.43	
MW-2	1807333.60	6542429.89	150.42	150.87	150.62	
MW-3	1807348.37	6542359.32	150.79	151.20	151.12	
MW-4	1807545.62	6542845.37	148.27	148.97	148.79	
MW-6	1807471.20	6542518.25	149.39	149.87		149.56
MW-7	1807537.94	6542675.85	149.62	148.94	148.98	
MW-8	1807425.61	6542538.80	149.83	150.00	149.97	
MW-9	1807454.48	6542686.12	149.16	149.40	149.35	
MW-10	1807393.65	6542585.31	149.41	149.91		149.33
MW-11	1807432.71	6542498.73	149.12	149.87		149.41
MW-12	1807276.03	6542690.00	150.09	150.46	150.40	
MW-13	1807274.77	6542679.87	150.22	150.54	150.47	
MW-14	1807420.66	6542472.42	150.66	151.01	150.93	
MW-15	1807336.40	6542415.51	150.60	150.94	150.86	
MW-16	1807528.58	6542691.54	148.32	148.73	148.65	
MW-17	1807465.01	6542846.05	149.03	149.37	149.32	
MW-18	1807319.64	6542548.37	149.63	150.29		150.03
MW-19	1807479.88	6542516.45	149.20	149.81		149.84
MW-20	1807491.81	6542551.27	149.14	149.59	149.32	
MW-21	1807312.93	6542540.88	150.02	150.31	150.25	

NOTE:
MW-1 ABANDONED

CPT LOCATION			
CPT	NORTH	EAST	ELEVATION
CPT-1	1807397.80	6542616.06	149.62
CPT-1A	1807388.60	6542615.61	149.62
CPT-2	1807525.30	6542843.10	149.82
CPT-3	1807447.81	6542607.92	149.21
CPT-4	1807381.33	6542586.36	149.50
CPT-5	1807284.84	6542611.76	150.29
CPT-6	1807305.15	6542532.68	150.41
CPT-7	1807314.00	6542488.46	150.60
CPT-8	1807392.23	6542461.42	150.55
CPT-9	1807518.02	6542590.51	149.49
CPT-11	1807340.22	6542446.10	150.08
CPT-11A	1807338.96	6542451.05	150.02
CPT-12	1807433.13	6542514.41	149.83
CPT-13	1807429.72	6542559.75	149.98
CPT-13A	1807428.33	6542562.17	149.95
CPT-14	1807472.63	6542519.90	149.49
CPT-15	1807271.16	6542691.02	150.55
CPT-16	1807315.54	6542519.40	150.36
CPT-17	1807537.43	6542662.70	149.81
CPT-18	1807337.20	6542401.27	150.67
CPT-19	1807272.39	6542697.81	150.53
CPT-20	1807290.83	6542587.98	150.47
CPT-21	1807435.62	6542461.62	150.15
CPT-22	1807486.25	6542553.23	149.29
CPT-22A	1807488.91	6542558.36	149.00
CPT-23	1807530.81	6542652.19	148.81
CPT-24	1807412.88	6542705.42	149.32
CPT-25	1807432.56	6542584.28	149.53
CPT-26	1807479.30	6542657.04	149.91

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-1	1807427.49	6542619.40	149.39
BSB-2	1807371.72	6542713.07	149.60
BSB-3	1807298.78	6542814.74	150.47
BSB-4	1807314.44	6542484.53	150.88
BSB-5	1807342.93	6542434.75	150.69
BSB-6	1807532.47	6542609.80	149.53
BSB-7	1807434.40	6542484.13	149.48
BSB-8	1807349.73	6542580.33	149.82
BSB-9	1807467.41	6542548.37	149.72
BSB-10	1807510.81	6542578.95	149.47
BSB-11	1807321.16	6542540.03	150.11
BSB-12	1807522.18	6542634.06	149.73
BSB-13	1807449.49	6542463.97	149.56
BSB-14	1807457.59	6542570.90	149.50
BSB-15	1807448.74	6542538.69	149.64
BSB-16	1807395.27	6542366.39	150.00

TANK LOCATION			
TANK	NORTH	EAST	ELEVATION
T-1	1807325.78	6542532.37	150.27
T-2	1807327.50	6542521.86	150.33
T-3	1807329.32	6542514.87	150.38
T-4	1807331.17	6542506.36	150.40
T-5	1807332.80	6542497.52	150.47
T-6	1807334.89	6542488.85	150.55
T-7	1807336.47	6542479.83	150.53

DRAIN LOCATION			
DRAIN	NORTH	EAST	ELEVATION
DRAIN-1	1807462.12	6542627.64	149.12
DRAIN-2	1807494.35	6542570.48	149.06
DRAIN-3	1807458.22	6542507.30	149.09

LICENSED LAND SURVEYOR
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STATE OF CALIFORNIA

SURVEYED: MAY 27, 2003

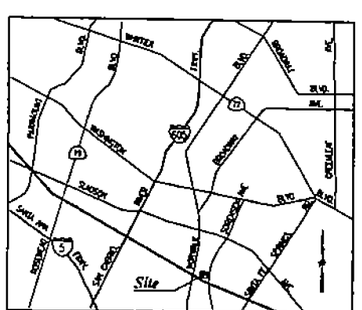
MONITORING WELLS				
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)
E-1	1807500.70	6542575.93	148.89	149.17
E-2	1807527.00	6542606.37	149.75	149.31
E-3	1807478.00	6542523.40	149.15	149.43
E-4	1807452.12	6542475.18	149.13	149.35
E-5	1807417.50	6542553.23	149.51	149.99
E-6	1807392.72	6542478.20	150.09	150.33
E-7	1807348.09	6542578.05	149.81	149.83
E-8	1807335.77	6542442.42	149.71	150.61
E-10	1807401.97	6542375.29	149.81	149.85
E-11	1807379.04	6542319.30	149.01	149.81
E-12	1807428.32	6542425.21	149.23	150.07

SURVEYED: JULY 25, 2003

MONITORING WELLS					
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)
MW-22	1807326.51	6542426.35	150.67	150.90	150.89
MW-23	1807510.02	6542653.05	149.42	149.85	149.89
MW-24	1807305.78	6542551.71	149.60	150.33	150.25
MW-25	1807331.43	6542402.36	150.64	151.05	151.04
MW-26	1807349.30	6542365.88	150.83	151.04	151.02

SURVEYED: JULY 25, 2003

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-18	1807396.50	6542386.10	150.02



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. DY0238. ELEVATION = 118.5828 (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. DY0238

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(909) 989-9556 Fax

NO.	DATE	REVISIONS	BY
0	12-23-02	SUBMITTAL	DG
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	DG

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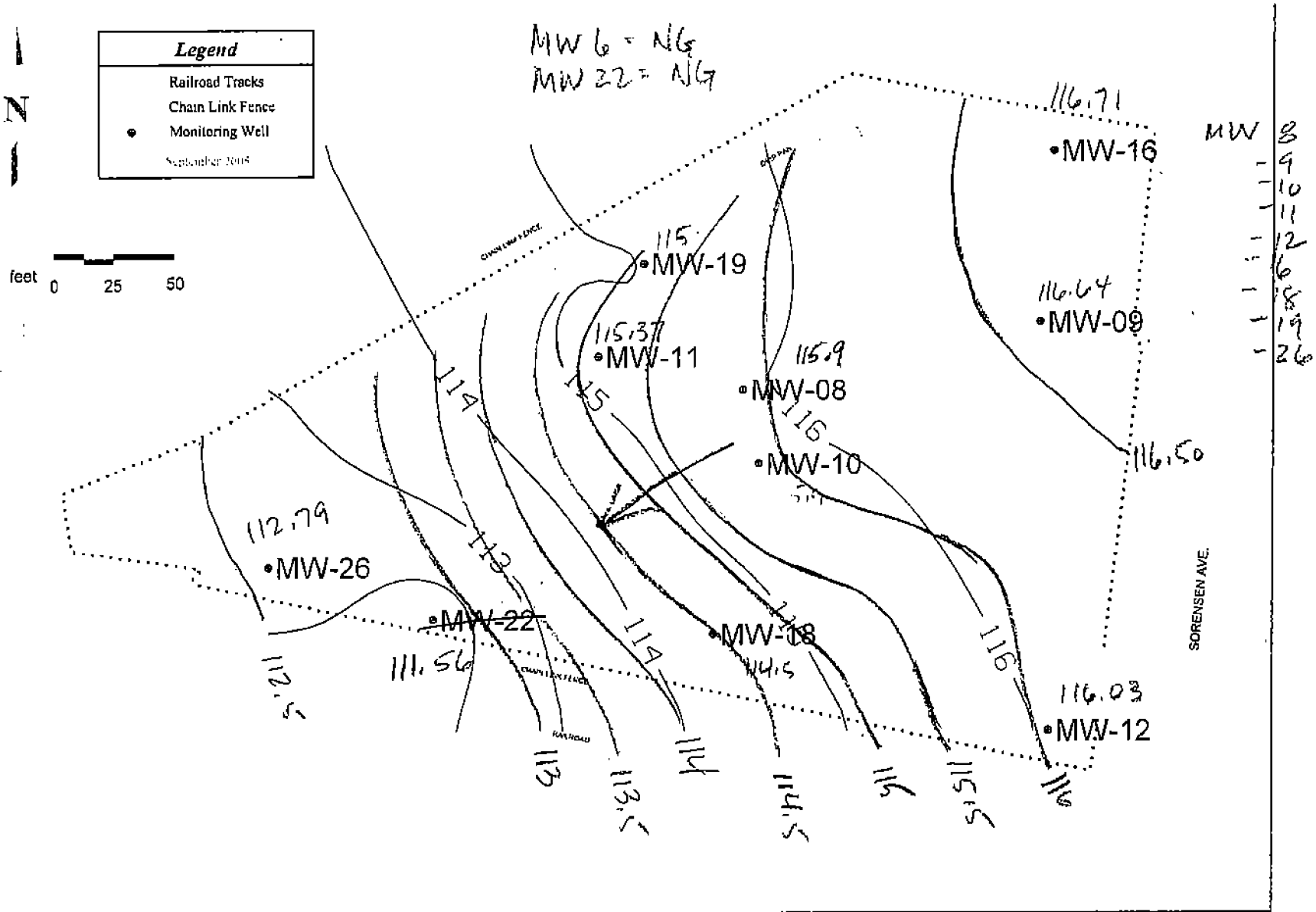
SHEET 1 OF 1



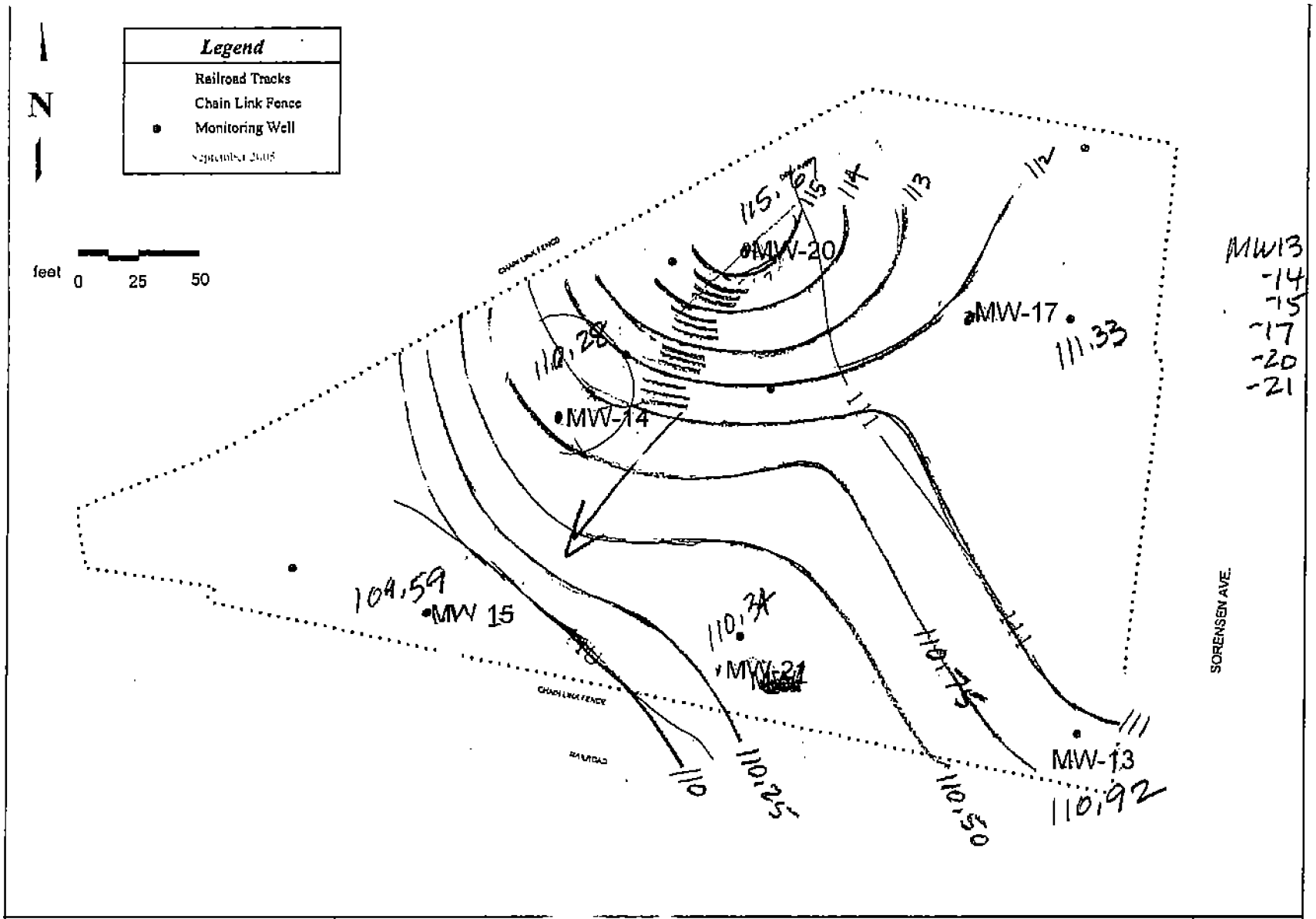
Prepared by

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



Prepared by	Upper 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

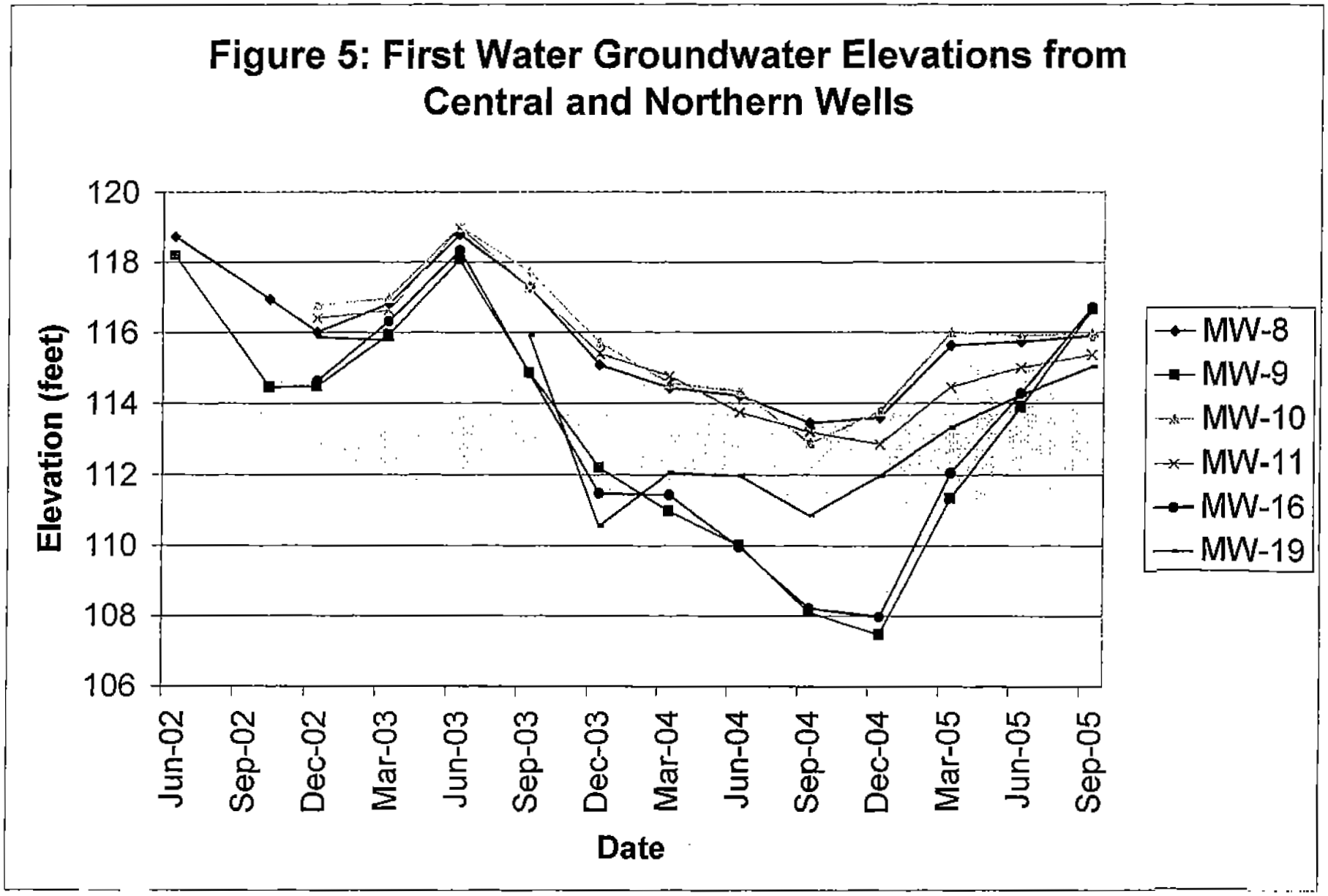


Figure 5: First Water Groundwater Elevations from Central and Northern Wells
Elevation (feet)
120
118
116
114
112
110
108
106
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-8
MW-9
MW-10
MW-11
MW-16
MW-19

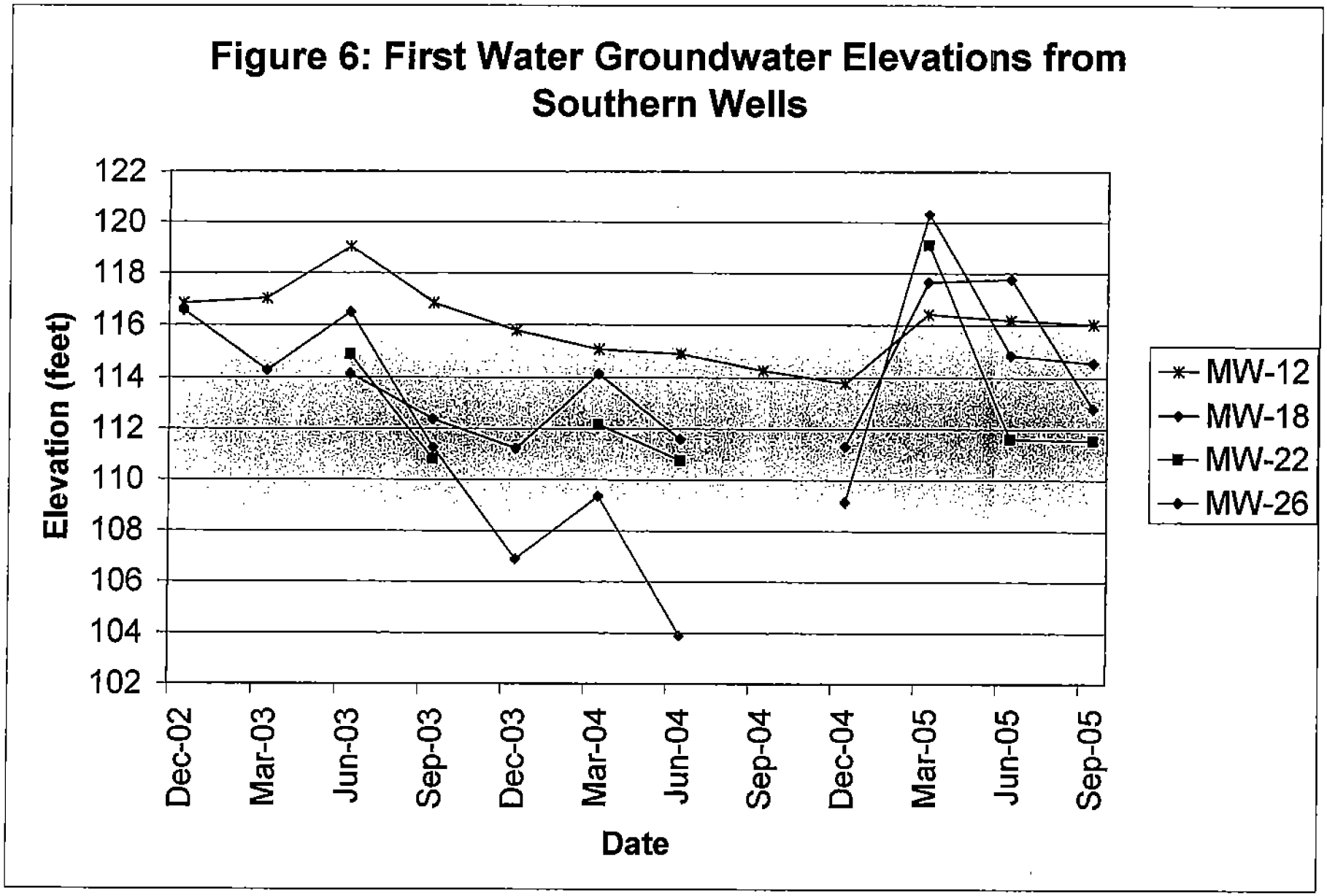


Figure 6: First Water Groundwater Elevations from Southern Wells
Elevation (feet)
122
120
118
116
114
112
110
108
106
104
102
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-12
MW-18
MW-22
MW-26

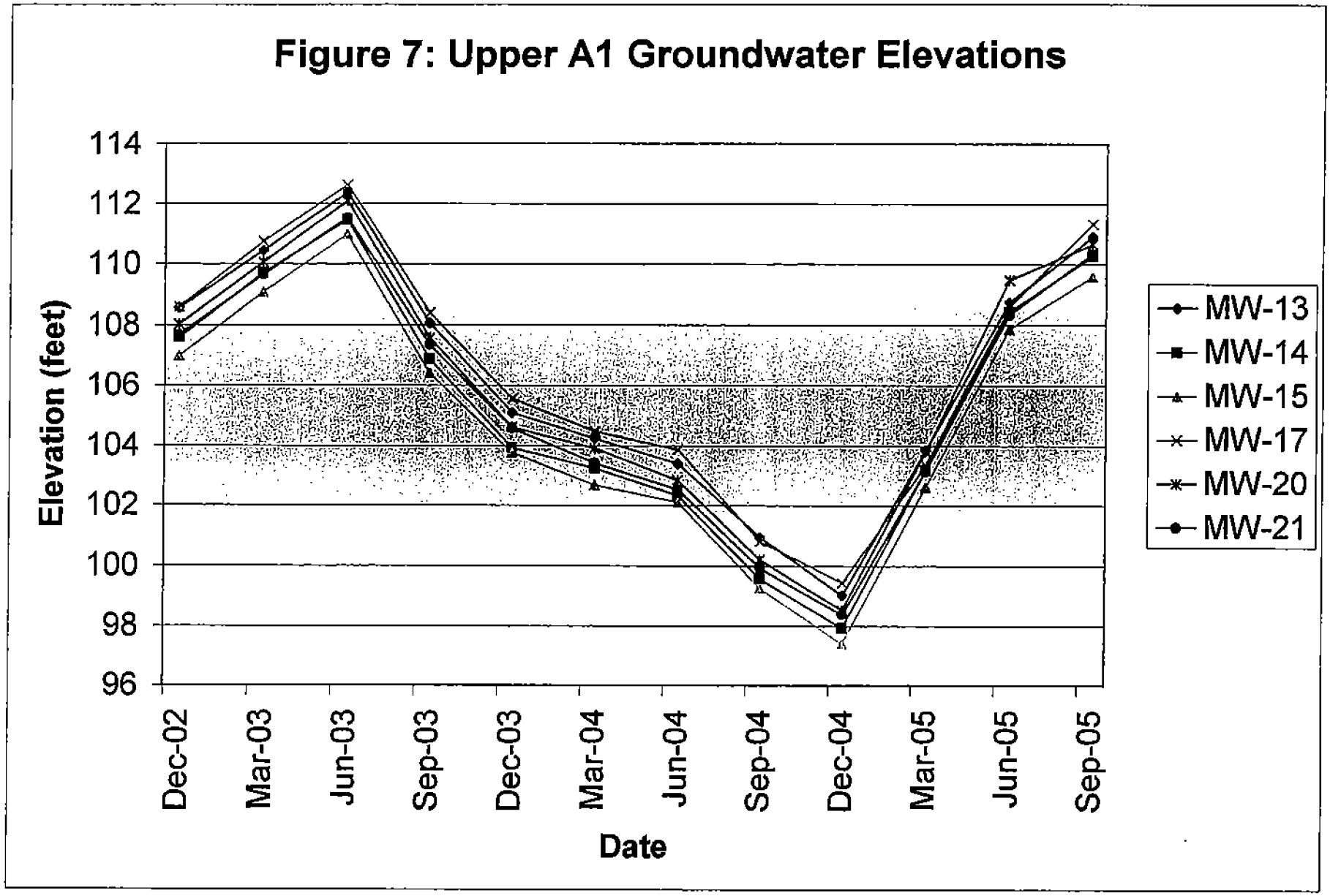


Figure 7: Upper A1 Groundwater Elevations
Elevation (feet)
114
112
110
108
106
104
102
100
98
96
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21

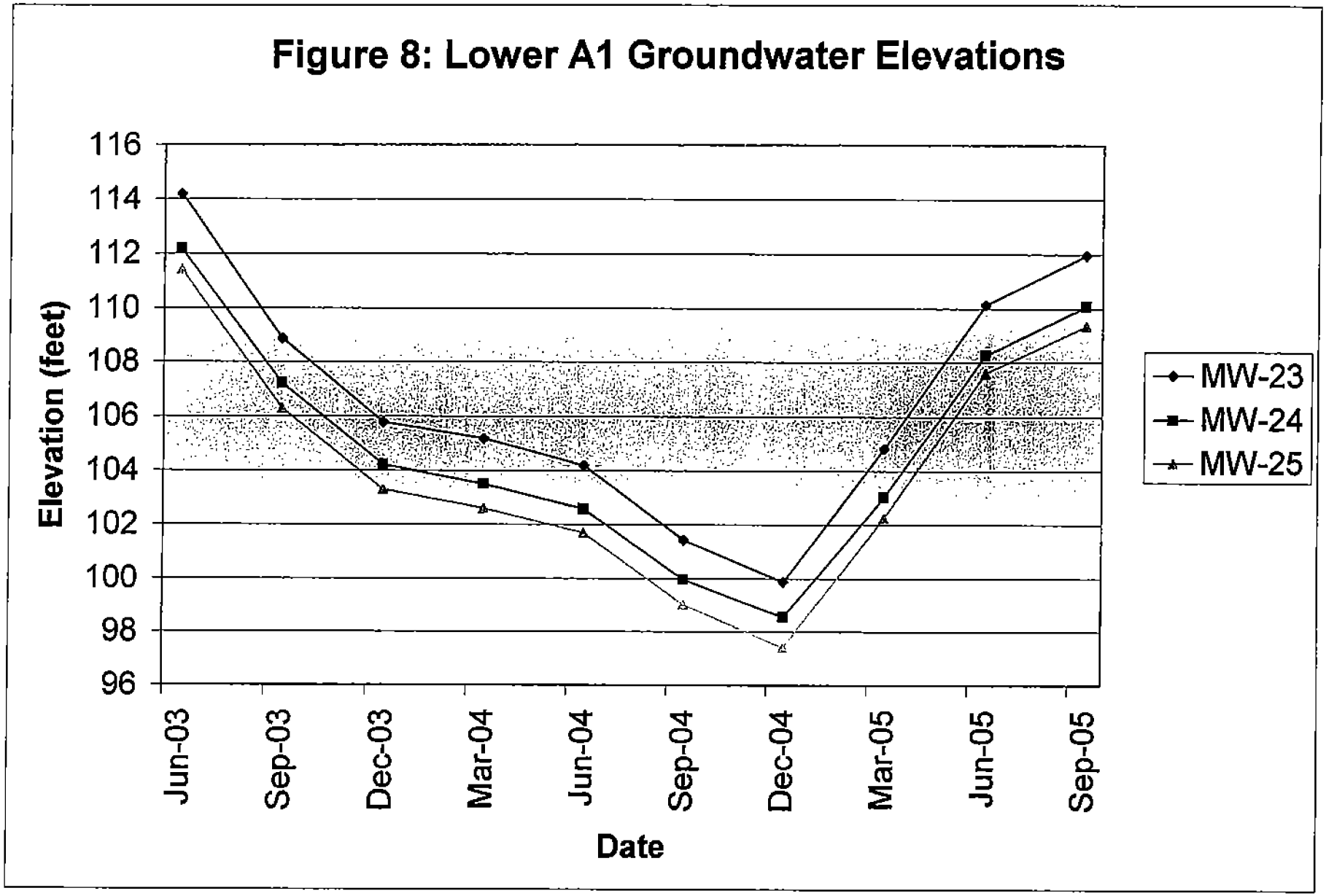
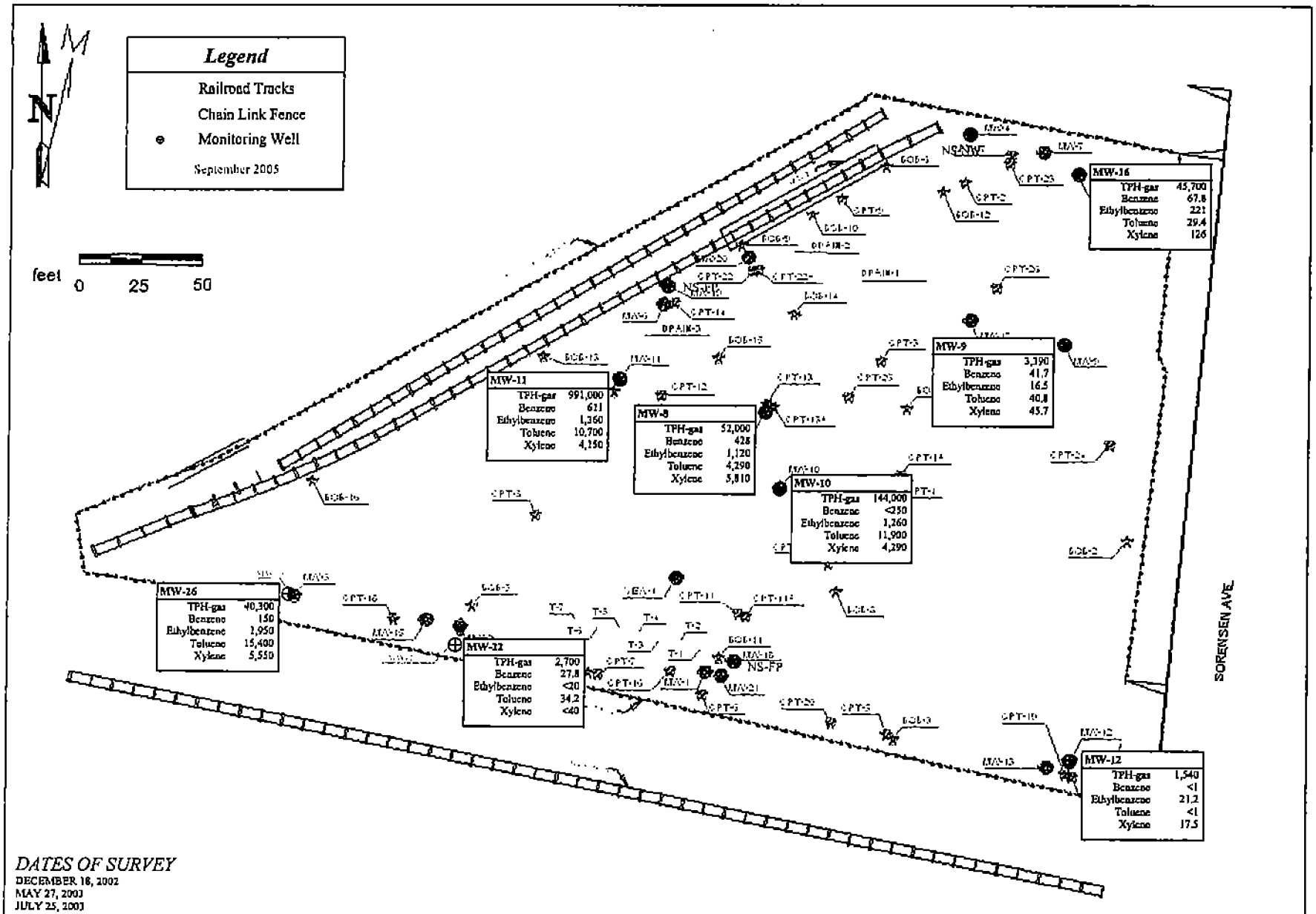


Figure 8: Lower A1 Groundwater Elevations
Elevation (feet)
116
114
112
110
108
106
104
102
100
98
96
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-23
MW-24
MW-25



DATES OF SURVEY
DECEMBER 18, 2002
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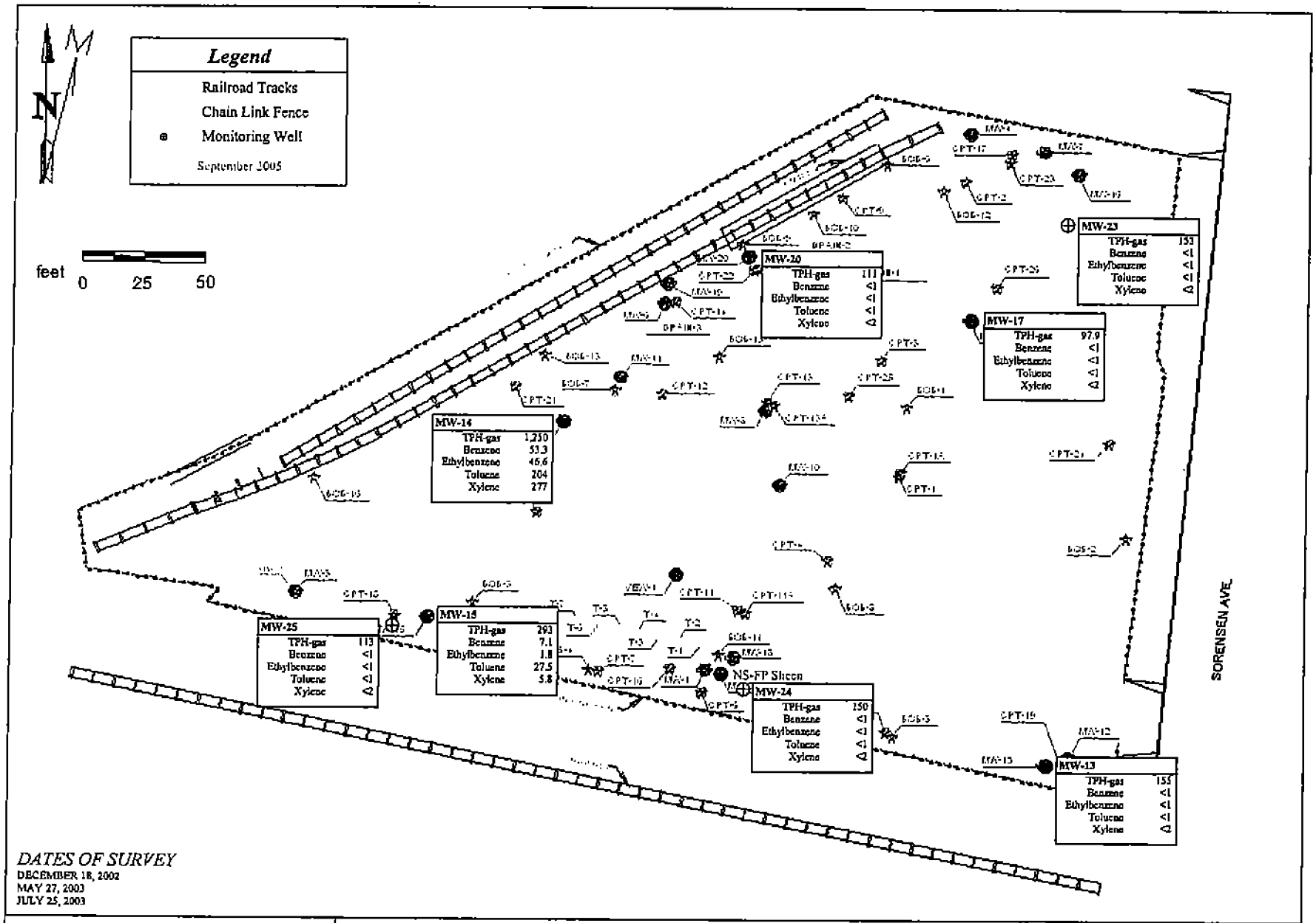
TPH-gas and BTEX Concentrations in First Water (µg/L)

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

FIGURE
9



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DECEMBER 18, 2002
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JULY 25, 2003

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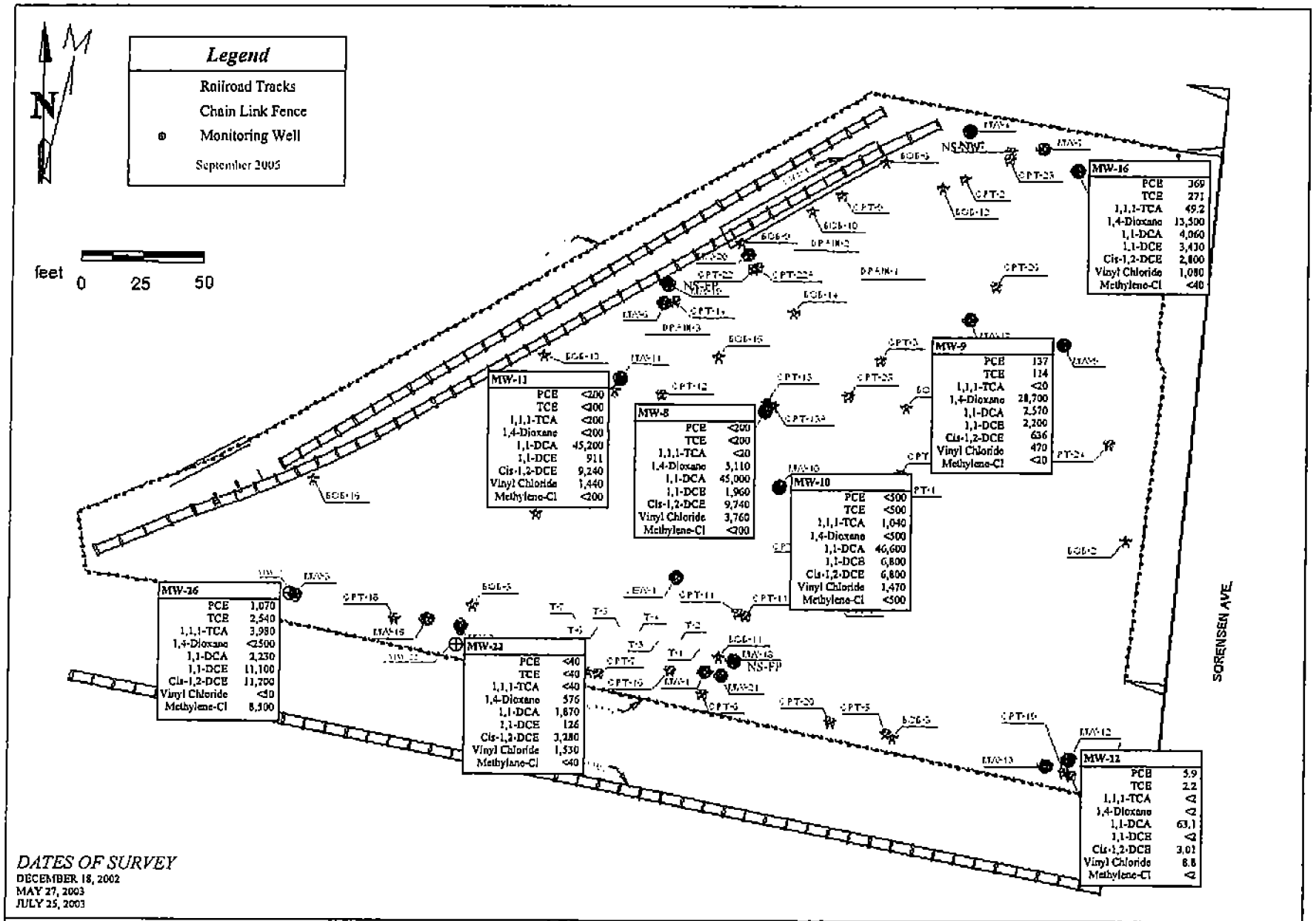
TPH-gas and BTEX Concentrations in Upper and Lower A1 Zones (µg/L)

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

FIGURE
10



DATES OF SURVEY
DECEMBER 18, 2002
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JULY 25, 2003

Prepared by

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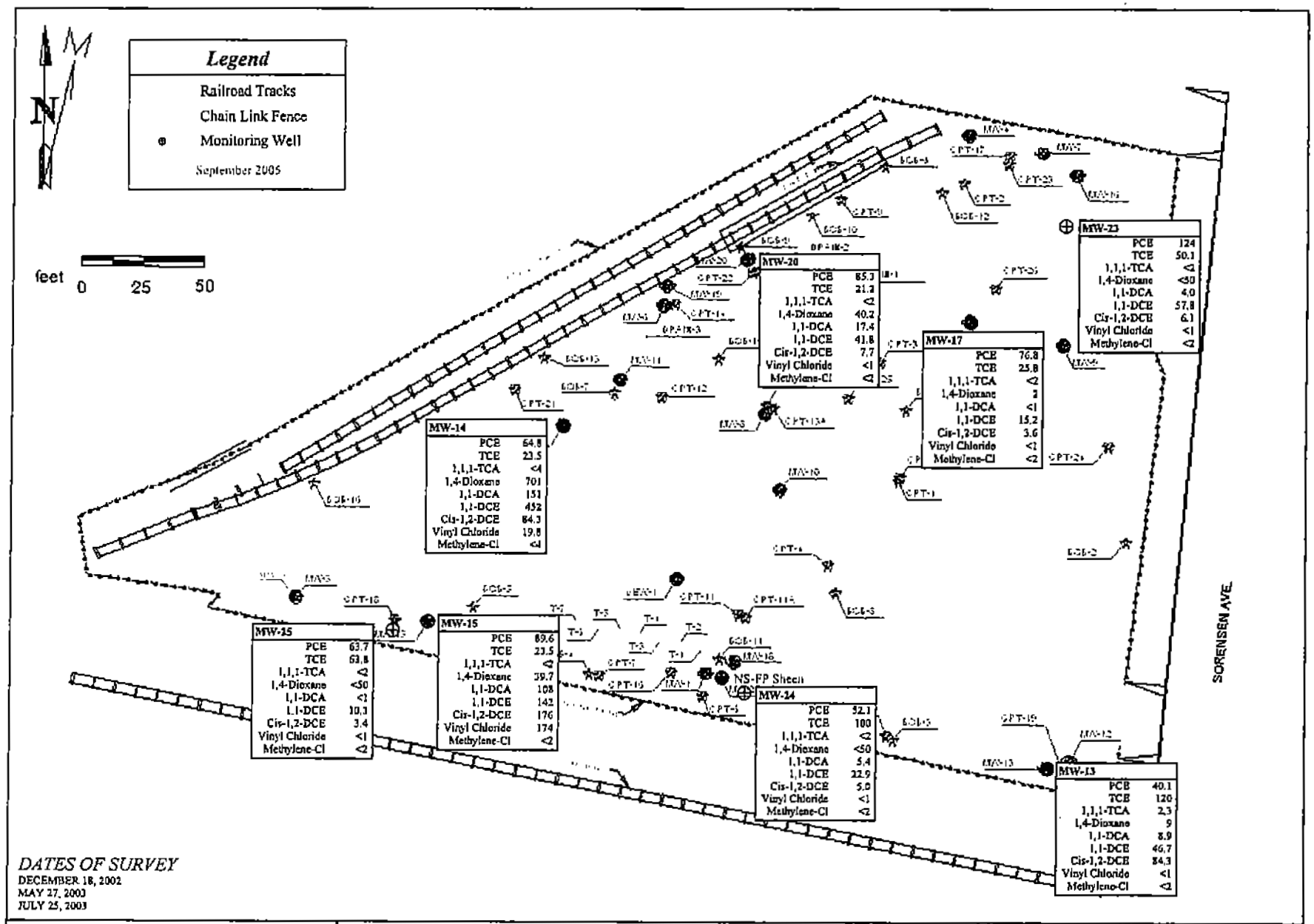
Chlorinated VOC's and 1,4 Dioxane Concentrations in First Water (µg/L)

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

FIGURE
11



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

Prepared by

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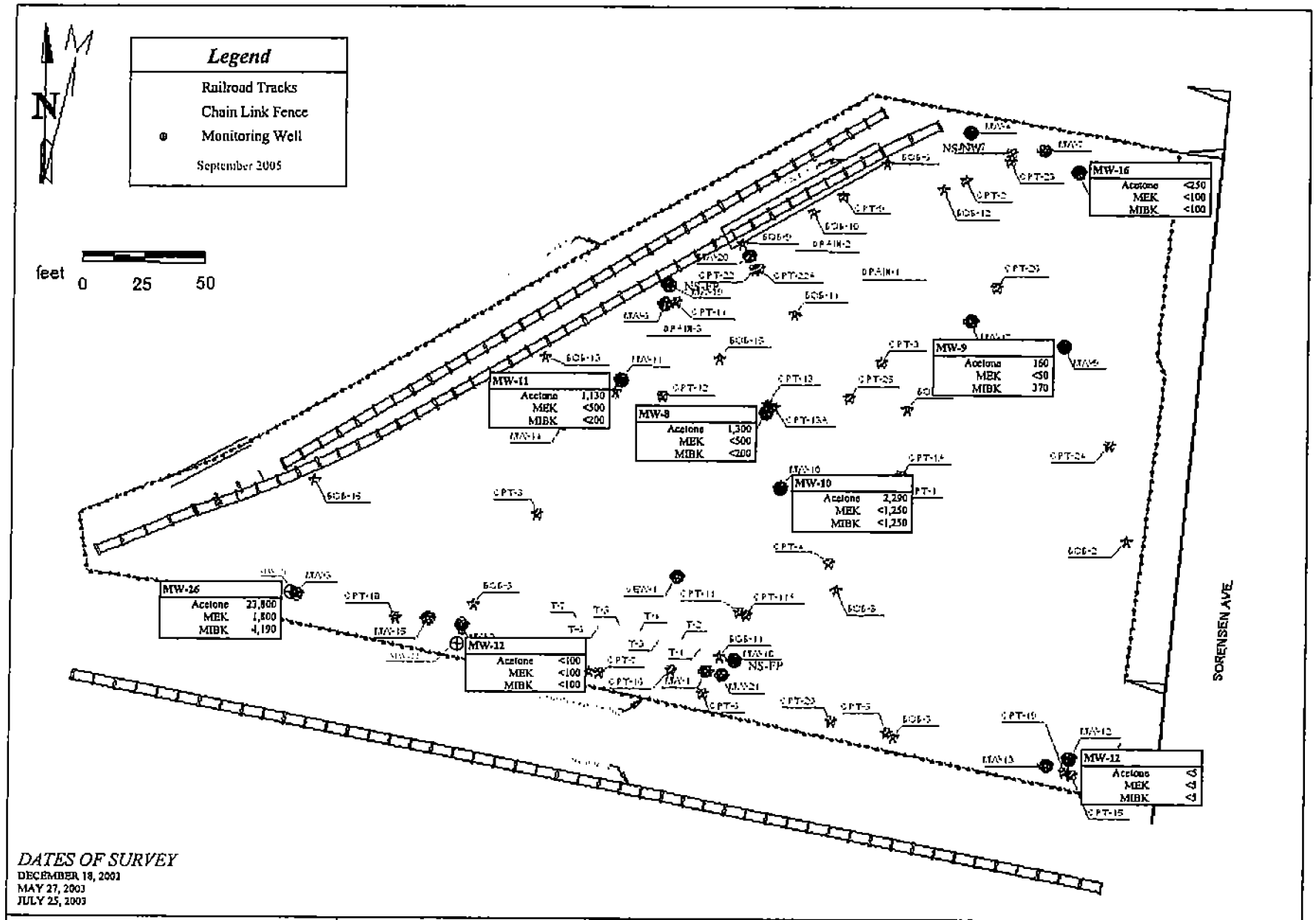
Chlorinated VOC's and 1,4 Dioxane Concentrations in Upper and Lower A1 Zones (µg/L)

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

FIGURE
12



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

Prepared by

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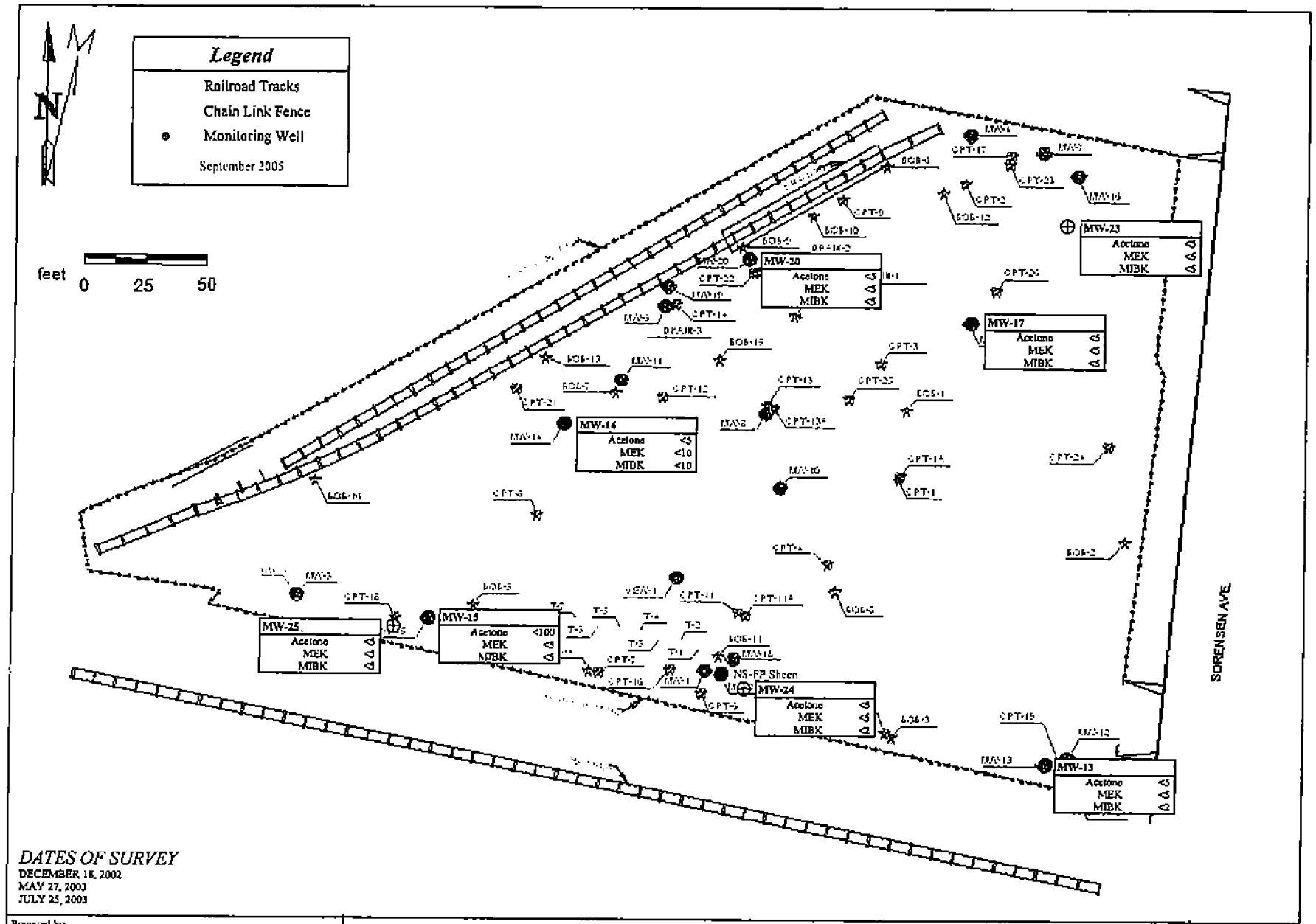
Acetone, MEK and MIBK Concentrations in First Water (µg/L)

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

FIGURE
13



DATES OF SURVEY
DECEMBER 18, 2002
MAY 27, 2003
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Prepared by

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Acetone, MEK and MIBK Concentrations in Upper and Lower A1 Zones (µg/L)

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

FIGURE
14

TABLES

TABLE 1

Table W: 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	96.6	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'	28.8	29.7	23.35	24.85	24.53																			
	Nov-00	35.62'	35.25	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	44.66	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	39.2	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	42.16	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.87	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	39.92	44.24	47.32	48.95	39.25
	Sep-04	NA	NA	NA	26.42	FP only	NA	36.18	41.05	36.53	35.92	35.82	49.27	51.06	51.32	40.1	48.21	FP only	38.34	48.92	50.09	Dry	46.98	49.93	51.62	NA
	Dec-04	NA	NA	NA	26.47	29.8	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	51.62	Dry	48.54	51.35	53.22	39.52
	Mar-05	NA	NA	NA	26.43	29.9	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	46.88	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	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
		*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	111.6	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	111.6	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	116.78	116.41	116.83	108.57	107.6	106.97	114.63	108.59	116.57	115.67	108.03	107.68					
	Mar-03	NA	109.35	109.44	121.91	NA	115.44	116.82	115.94	116.97	116.63	117.02	110.45	109.71	109.07	116.31	110.75	114.27	115.78	110.06	109.66					
	Jun-03	NA	110.44	110.84	121.92	NA	116.18	118.78	118.06	119	118.97	119.04	112.37	111.46	110.98	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	108.06	106.87	106.41	114.84	108.38	111.26	115.91	107.57	107.34	110.8	108.87	107.21	106.29	112.38
	Dec-03	NA	NA	NA	121.88	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	102.66	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	111.56
	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	107.98	99.46	109.13	111.97	98.55	98.4		99.88	98.55	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	104.82	103.02	102.25	117.66
	Jun-05					119.49		115.74	113.90	115.92	115.00	116.18	108.74	108.43	107.85	114.27	108.58	114.85	114.22	109.47	108.33	111.60	110.14	108.27	107.59	117.76
	Sep-05					119.48		115.90	116.64	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

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) (cont)							
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	1866	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	1763	1981	NA	NA	2882	NA	2406	4439	3245	1192	1832	1871	1851	1931	1913	2602	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	1954	NS-FP	NS-FP	2166	2080	1663	NA	NA	NA	2302
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2474	NS-FP	2502	1270	1812	1764	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	2981	1906	2170	NS-FP	NS-FP	1796	NS-FP	2528	NA	NA	NA	3679
	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
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	6.68	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	5.8
	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	8.34	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	8.3	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
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	98	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	1,460	<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	1,690	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	48,600	1,580	326,000	41,000	1,880	259	433	3,890	73,000	126	NS-FP	NS-FP	79.4	NS-FP	3,360	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

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[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
Screened Interval (feet bgs)		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
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	44.66	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	39.2	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	42.16	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.87	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	39.92	44.24	47.32	48.95	39.25
	Sep-04	NA	NA	NA	26.42	FP only	NA	36.18	41.05	36.53	35.92	35.82	49.27	51.06	51.32	40.1	48.21	FP only	38.34	48.92	50.09	Dry	46.98	49.93	51.62	NA
	Dec-04	NA	NA	NA	26.47	29.8	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	51.62	Dry	48.54	51.35	53.22	39.52
	Mar-05	NA	NA	NA	26.43	29.9	NA	34	37.82	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	48.39	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	34.18	38.49	39.68	39.14	36.45	39.82	41.29	38.04
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	888	<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 [SM]	<5 [SM]	<5 [SM]	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 [SM]	<5 [SM]	<5 [SM]	7,170
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	8,950	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 [SM]	<5 [SM]	<5 [SM]	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 [SM]	<5 [SM]	<5 [SM]	23,800
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	63.2																			
	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	14.6	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	82.7	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 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	150

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
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	1,160	<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	5,580	<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	4,080	<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 [SM]	<5 [SM]	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	18,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 [SM]	<5 [SM]	<5 [SM]	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 [SM]	<5 [SM]	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 [SM]	<5 [SM]	1,800
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	2,860	<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	3,080	<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 [SM]	<2 [SM]	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	126	<2	NS-FP	NS-FP	<2	NS-FP	104	<2 [SM]	<2 [SM]	<2 [SM]	<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 [SM]	<2 [SM]	<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 [SM]	<2 [SM]	<100
1,1-Dichloroethane (1,1-DCA)	Feb-94	649	1,130	85	1410	2,260	2,130																			
	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	18,900	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	505	<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	219	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	45.9	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	496	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 [SM]	<1 [SM]	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	22,300	1,230	NS-FP	34,800	191	15.5	63.6	693	3,030	<1	NS-FP	NS-FP	7.7	NS-FP	1,390	9.4 [SM]	2.3 [SM]	<1 [SM]	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 [SM]	<1 [SM]	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	4,060	<1	NS-FP	NS-FP	17.4	NS-FP	1,870	4.0 [SM]	5.4 [SM]	<1 [SM]	2,230

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
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 SM	<2 SM	<2 SM	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 SM	<2 SM	<2 SM	<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 SM	<2 SM	<2 SM	<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 SM	<2 SM	<2 SM	<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	38.6*	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
Ethylbenzene	Feb-94	333	1,720	115	1,180	1,910	45																			
	Nov-00	960	120	1,000	NS-FP	NS-FP	62																			
	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	884	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	957	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	1,620
	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 SM	<1 SM	<1 SM	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 SM	<1 SM	<1 SM	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 SM	<1 SM	<1 SM	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 SM	<1 SM	<1 SM	1,950

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	438	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	95.2	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	108	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 [SM]	33.9 [SM]	65.2 [SM]	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 [SM]	51.9 [SM]	101 [SM]	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 [SM]	74.0 [SM]	46.9 [SM]	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 [SM]	100 [SM]	63.8 [SM]	2,540
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	618	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	378	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	1,582	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 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	984
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	2,760	<20	6,840	1,720	143	<2	<2	<40	2,210	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	332
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	57.8	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	675	785	<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 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	<100

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
Toluene	Feb-94	560	7,390	579	12,700	15,300	398																			
	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	16,300	<1	<1	<2	33.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	16,900
	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 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	15,400
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	7,870	NS-FP	NS-FP	200	NS-FP	92	3,690	1,180	66.6	2.6	<50	77.8	387	<2	<1,000	630	<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	3.6	<1	<2	34.7	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	1.8 [SM]	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 [SM]	<1 [SM]	<1 [SM]	<50
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	3,760	470	1,470	1,440	8.8	<1	19.8	174	1,080	<1	NS-FP	NS-FP	<1	NS-FP	1,530	<1 [SM]	<1 [SM]	<1 [SM]	<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	3,760	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	3,940	<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	8.4					
	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	8.3	<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	6,870
	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	2,810	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	9,320
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	18.9	<1	<1	9.6	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 [SM]	<1 [SM]	<1 [SM]	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 [SM]	<1 [SM]	<1 [SM]	8,530
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	4,850	<20	7,600	2,890	35.6	<2	<2	24	297	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 [SM]	<2 [SM]	<2 [SM]	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 [SM]	<2 [SM]	<2 [SM]	5,550

NA= Not Analyzed. [t] = Abandoned Well. [SM] = 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

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. (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
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
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
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
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

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-9	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
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
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	1620	1410	696	962	1180	1060	1180	577	NS-FP
	Sep-05	796	825	659	1060	1230	1200	1200	1210	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
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

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
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
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
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

APPENDIX A

WELL GAUGING DATA

Project # 050919-F31 Date 09-19-05 Client ~~CLEAR~~ CLEAN SOILS WATER

Site 8915 DORENSON 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		26.50			—	26.63	TOC	
MW-6	4					29.91	30.19		
MW-8	4					33.73	40.37		
MW-9	4					32.52	45.85		
MW-10	4					33.46	40.56		
MW-11	2					33.75	39.95		
MW-12	2					34.06	43.99		
MW-13	2					39.30	62.41		
MW-14	2					39.45	62.25		
MW-15	2					41.01	64.65		
MW-16	2					31.61	45.05		
MW-17	2					37.70	66.03		
MW-20	2					38.47	67.15		
MW-21	2					39.68	63.10		TRANS
MW-22	2					39.19	40.00		
MW-23	4					36.45	—		
MW-24	4					39.82	76.92		

WELL GAUGING DATA

Project # 050919-751 Date 09-19-05 Client ~~CLEARWATER~~ CLEAN SOILS

Site 8915 SORENSON 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					41.29	81.17	TOC	
MW-26	2					38.04	39.86	↓	
MW-18	2					35.04	45.89	↓	
MW-19						34.19	—	↓	

WELL MONITORING DATA SHEET

Project #: 050919-F31	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 40.37	Depth to Water (DTW): 33.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 731 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.05	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / (Reditlo pump) / Extraction Pump / Other _____

START PURGE

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

Flow Rate= 1613 @ 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	5"	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
1623	23.6	7.2	1715	7	0.27	-135	5	
1627	23.3	7.2	1579	6	0.28	-149	9	
—	WELL	DEWATERED			AT	9	GALS	

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

Sampling Date: 09-19-05 Sampling Time: 1720 Depth to Water: 34.20

Sample I.D.: MW-8 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 45.85	Depth to Water (DTW): 32.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 751 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.18	

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= START PURGE @ 1432 @ 0.5 GPM

8.7 (Gals.) X 3 = 26.1 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 (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1450	23.9	7.0	2208	54	0.23	-65	9	ODOR
1502	23.5	7.0	2378	6	0.09	-59	18	1450- PUMP SPED TO 0.75 GPM
1513	23.6	7.0	2501	7	0.11	-28	27	

Did well dewater? Yes (No) Gallons actually evacuated: 27

Sampling Date: 09-19-05 Sampling Time: 1600 Depth to Water: 35.10

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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 9-19-05
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 40.56	Depth to Water (DTW): 33.46
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]: 34.88	

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

47 (Gals.) X 3 = 14.1 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 (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1540	23.57	6.84	1464	5	1.52	-378.6	5.0	
1545	23.61	6.87	1457	6	0.7	-415.2	10.0	
	+ well dewatered @ 11 gallons							
1650	23.74	6.96	1432	67	4.04	-229.6	—	

Did well dewater? (Yes) No Gallons actually evacuated: 11

Sampling Date: 9-19-05 Sampling Time: 1650 Depth to Water: 34.85

Sample I.D.: MW-10 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 39.95	Depth to Water (DTW): 33.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 731 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.99	

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

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

Flow Rate= START PURGE @ 1541 @ 0.5 GPM

1.0 (Gals.) X 3 = 3.0 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
1543	24.6	7.0	1684	66	0.16	-127	1	
1545	24.4	7.0	1592	39	0.30	-132	2	
1547	24.4	7.0	1566	22	0.30	-134	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 09-19-05 Sampling Time: 1600 Depth to Water: 34.42

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

WELL MONITORING DATA SHEET

Project #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: ES	Date: 9-19-05
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 43.98	Depth to Water (DTW): 34.06
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]: 36.04	

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

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

Flow Rate= 0.5 gpm

1.6 (Gals.) X 3 = 4.8 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
1248	23.42	6.99	1163	77	0.53	-337.6	2.0	
1252	23.44	6.93	1164	29	0.51	-342.2	3.5	
1255	23.66	6.94	1165	25	0.51	-371.5	5.0	

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Date: 9-19-05 Sampling Time: 1300 Depth to Water: 34.06

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

Analyzed for: SVOC 8260B 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: ES	Date: 9-19-05
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 62.41	Depth to Water (DTW): 39.30
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]: 43.92	

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

3.7 (Gals.) X 3 = 11.1 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
058	23.17	7.07	1698	660	4.23	-236.7	4.0	
1106	23.19	7.05	1719	570	4.94	-229.5	7.5	
1113	23.21	7.05	1726	260	4.71	-229.7	11.5	

Did well dewater? Yes (No) Gallons actually evacuated: 11.5

Sampling Date: 9-19-05 Sampling Time: 1120 Depth to Water: 39.30

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 #: 050919-FJ1	Site: Angeles Chemical Co.
Sampler: FJ	Date: 09-19-05
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 62.25	Depth to Water (DTW): 39.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 451 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 44.01	

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:_____

START PURGE 1243 @ ~1 gpm

Flow Rate=_____

3.7 (Gals.) X 3 = 11.1 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.17
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
1247	23.1	7.0	1844	244	3.36	39	4	
1251	22.9	7.0	1840	38	4.01	38	8	
1255	22.9	7.1	1840	10	4.01	35	12	

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Date: 09-19-05 Sampling Time: 1305 Depth to Water: 39.45

Sample I.D.: MW-14 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: ES	Date: 9-19-05
Well I.D.: MW-15	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): 64.65	Depth to Water (DTW): 41.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type VS1
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.73	

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= 1gpm

3.5 (Gals.) X 3 = 11.4 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 (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1201	23.59	7.14	1816	135	0.97	-330.6	4	
1205	23.32	7.02	1967	16	0.69	-333.3	8	
1209	23.33	7.01	1969	7	0.77	-353.7	12	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Date: 9-19-05 Sampling Time: 1220 Depth to Water: 41.01

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

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WELL MONITORING DATA SHEET

Project #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-16	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 45.03	Depth to Water (DTW): 31.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.38	

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

START PURGE @ 1642 @ 0.5 GPM

Flow Rate=

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

2.3 (Gals.) X 3 = 6.9 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
1647	24.5	7.0	1902	>1000	0.72	-60	2.5	
1652	24.7	6.9	1947	166	0.36	-75	5	
1656	24.8	6.9	1977	46	0.24	-69	7	

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

Sampling Date: 09-19-05 Sampling Time: 1701 Depth to Water: 33.30

Sample I.D.: MW-16 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: RS	Date: 09-19-05
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 66.08	Depth to Water (DTW): 37.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 43.37	

Purge Method: START PURGE 1159

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

4.6 (Gals.) X 3 = 13.8 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 x 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1204	23.0	7.0	1812	66	3.70	40	5	
1209	23.0	7.0	1813	21	4.01	43	10	
1213	23.0	7.0	1815	8	4.02	42	14	

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

Sampling Date: 09-19-05 Sampling Time: 1220 Depth to Water: 39.77

Sample I.D.: MW-17 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-20	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 67.15	Depth to Water (DTW): 38.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 44.20	

Purge Method: START PURGE 1101

Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible

Waterra
(~~Rediflo pump~~)
Extraction Pump
Other ___

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

Flow Rate= 1 GPM

4.6 (Gals.) X 3 = 13.8 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
1106	23.0	7.1	1870	>1000	1.82	27	5	
1111	23.1	7.1	1886	191	2.61	36	10	
1115	23.1	7.1	1862	11	2.34	36	14	

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

Sampling Date: 09-19-05 Sampling Time: 1125 Depth to Water: 38.90

Sample I.D.: MW-20 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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: ES	Date: 9-9-05
Well I.D.: MW-21	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 63.10	Depth to Water (DTW): 39.65
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]: 44.36	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / (1" Rediflo pump) / Extraction Pump / Other ___

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

Flow Rate= 1 GPM

3.8 (Gals.) X 3 = 11.4 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 (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
~~1450~~ 1452	22.79	6.92	1871	53	1.64	-223.1	4.0	
1454	22.70	6.86	1814	15	2.96	-265.7	8.0	
1458	22.64	6.87	1794	14	4.04	-259.4	12.0	
1501	22.64	6.87	1785	8	4.33	-255.2	16.0	
	After purging, a sheen was noticed when bailer							
	was lifted out of well.							
	NO SAMPLE TAKEN							

Did well dewater? Yes (No) Gallons actually evacuated: 16.0

Sampling Date: 9-19-05 Sampling Time: — Depth to Water: 39.70

Sample I.D.: MW-21 Laboratory: —

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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: FS	Date: 09-19-05
Well I.D.: MW-22	Well Diameter: (2) 3 ~~4~~ 6 8 ___
Total Well Depth (TD): 90.00	Depth to Water (DTW): 39.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type _____
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
1327	23.70	7.0	1426	694	2.30	-15	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 09-19-05 Sampling Time: 1327 Depth to Water: 39.14

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 #: 050919-FS1	Site: Angeles Chemical Co.
Sampler: CS	Date: 9-19-05
Well I.D.: MW-26	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 39.86	Depth to Water (DTW): 38.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type ___
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, Grab sample

___ (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
— No Purge; Grab Sample						—	—	
1425	24.14	6.69	2190	397	1.47	-272.9	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 9-19-05 Sampling Time: 1425 Depth to Water:

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

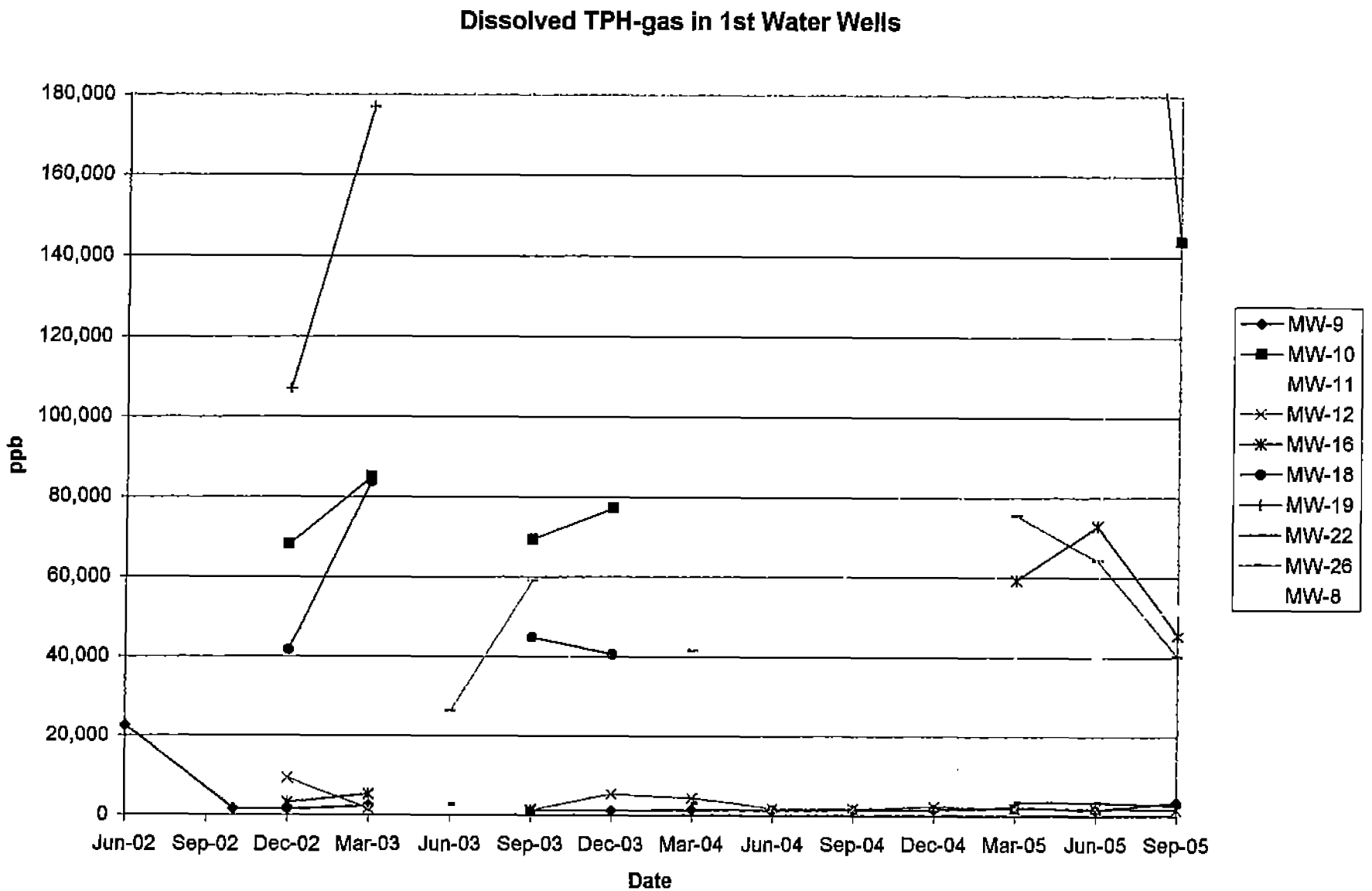
Analyzed for: See scope Other:

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

APPENDIX B


Dissolved TPH-gas in 1st Water Wells
180,000
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
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MW-12
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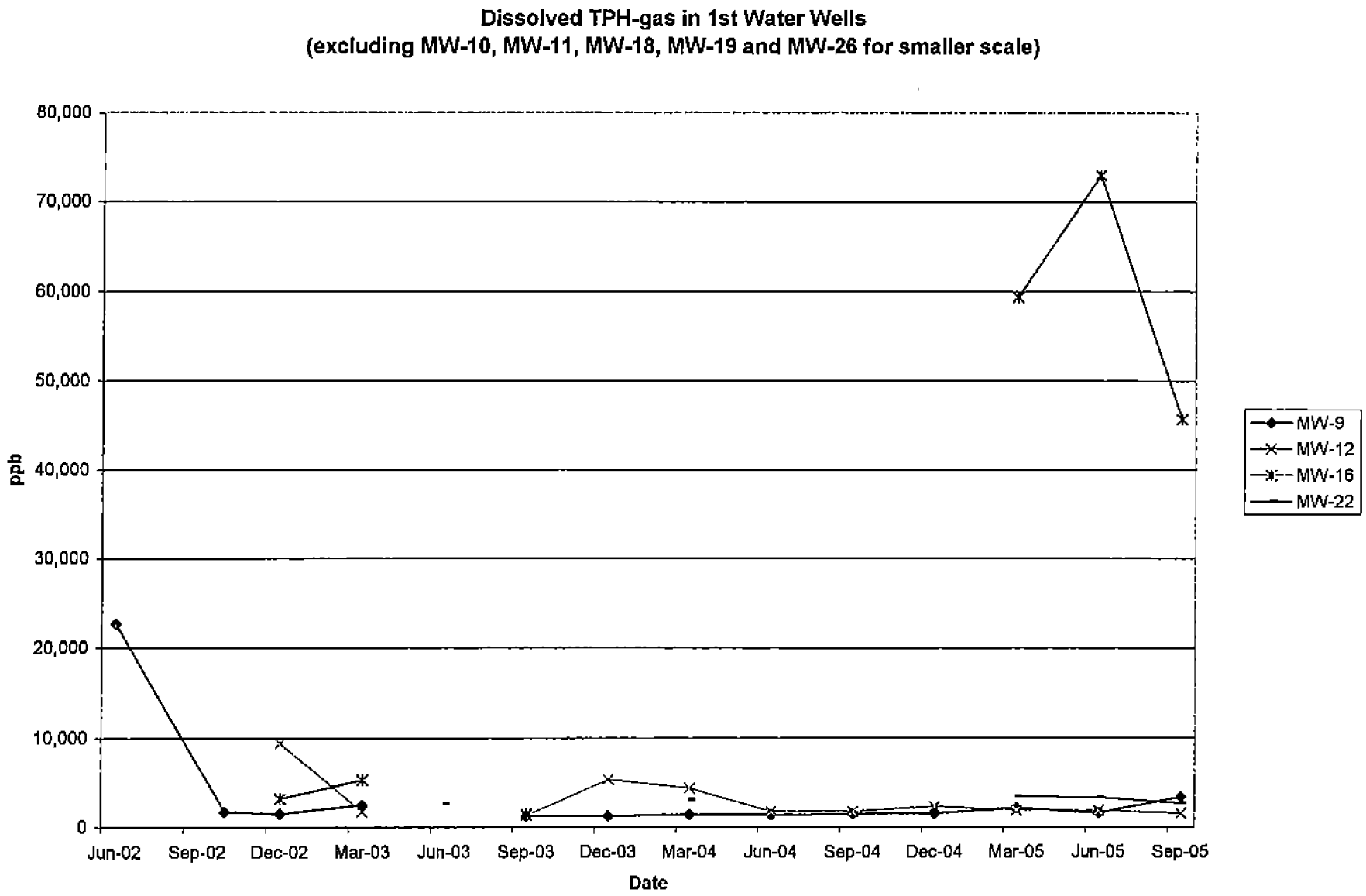
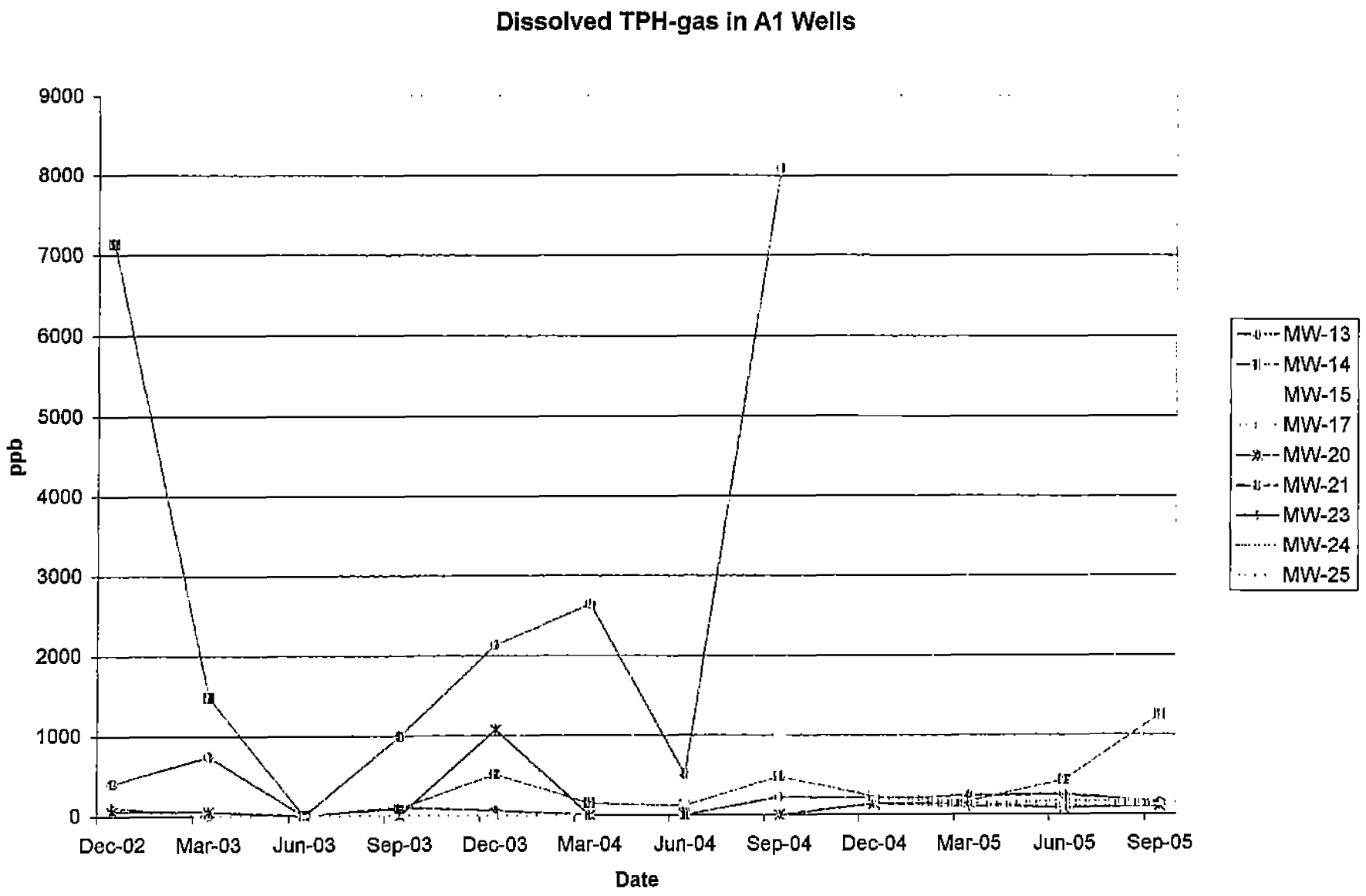
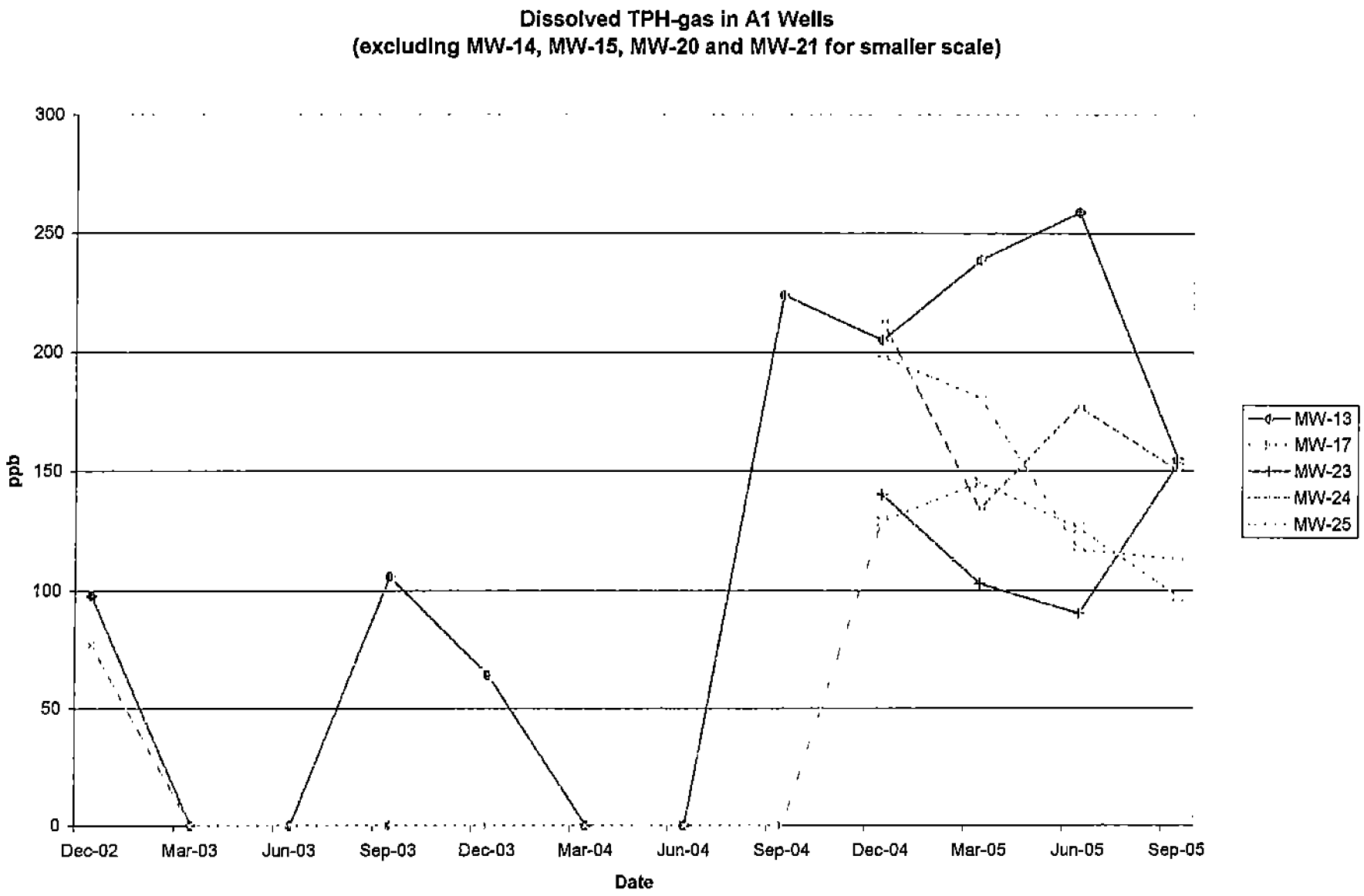
MW-18
MW-19
MW-22
MW-26
MW-8


Dissolved TPH-gas in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
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
Date
MW-9
MW-12
MW-16
MW-22


Dissolved TPH-gas in A1 Wells
9000
8000
7000
6000
5000
4000
3000
2000
1000
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
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


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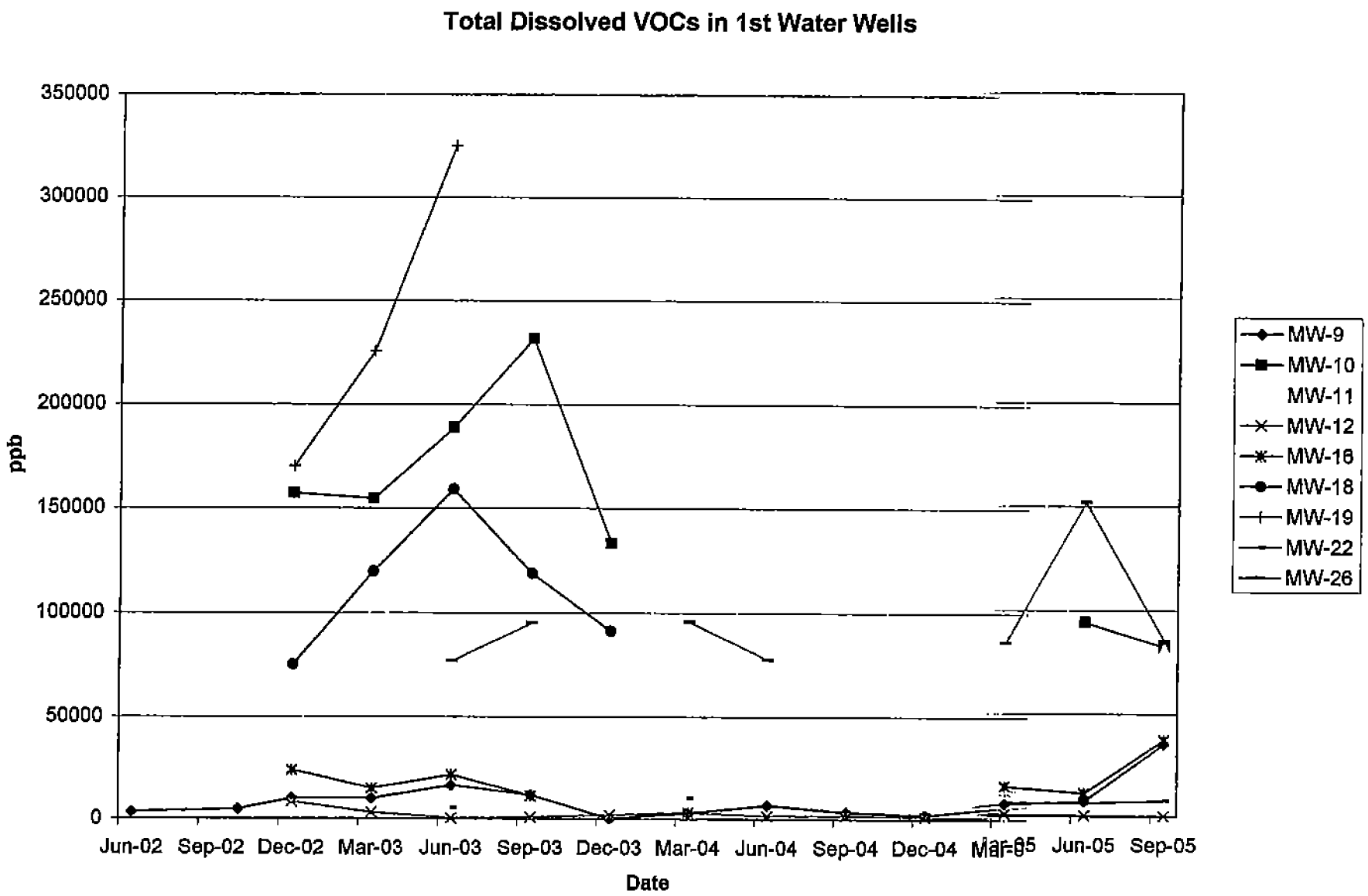
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-23
MW-24
MW-25


Total Dissolved VOCs in 1st Water Wells
350000
300000
250000
200000
150000
100000
50000
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
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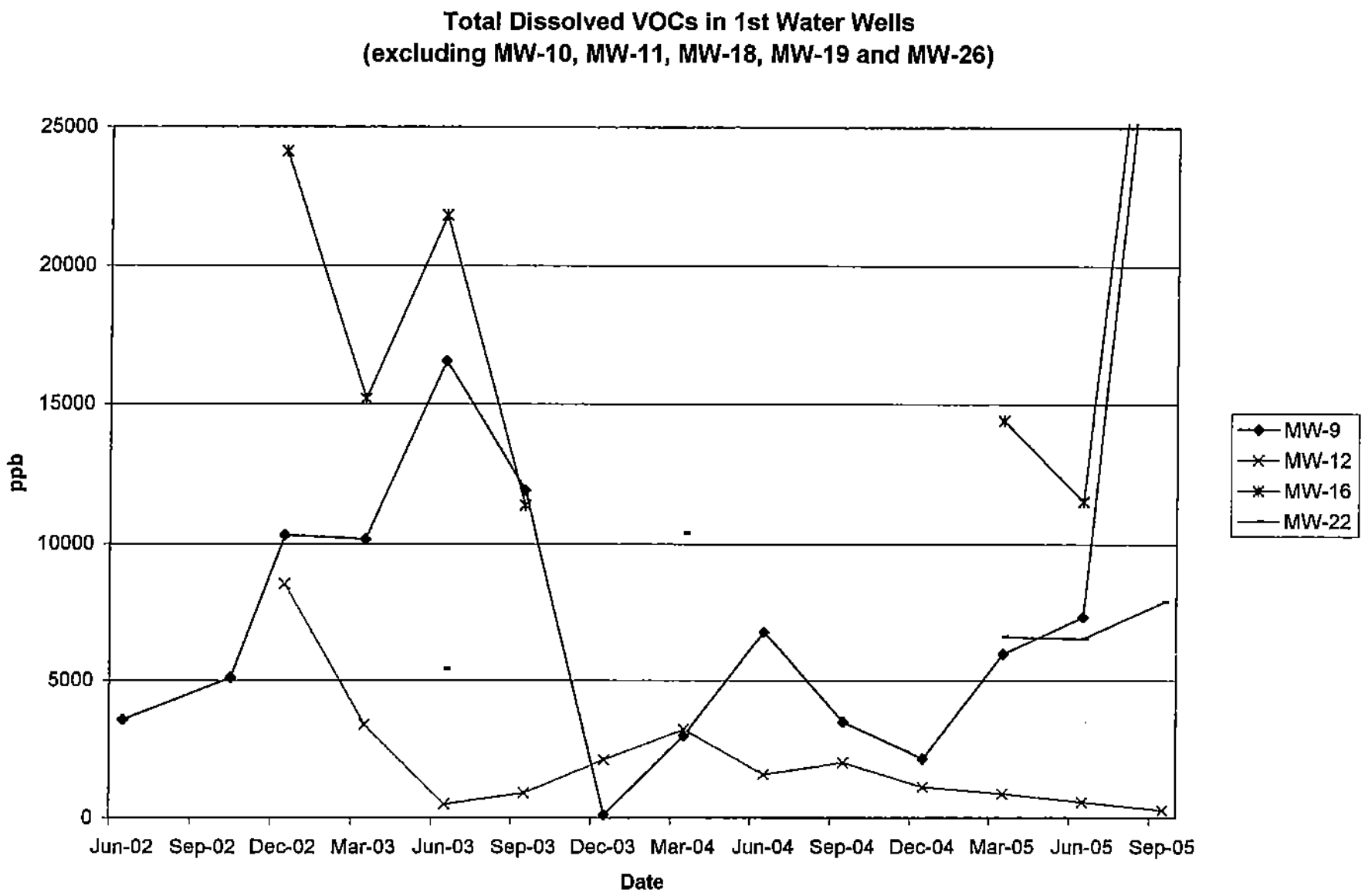
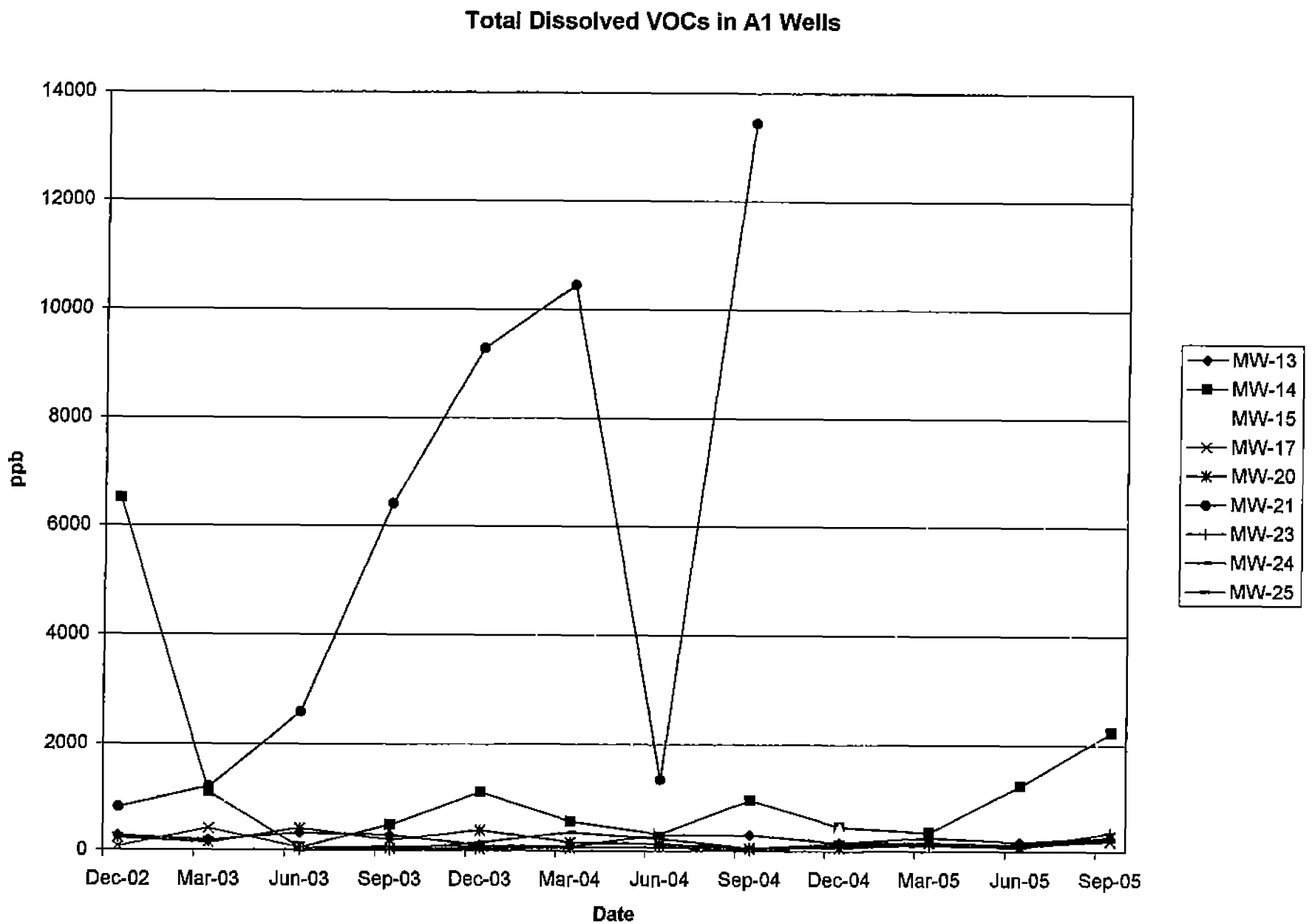
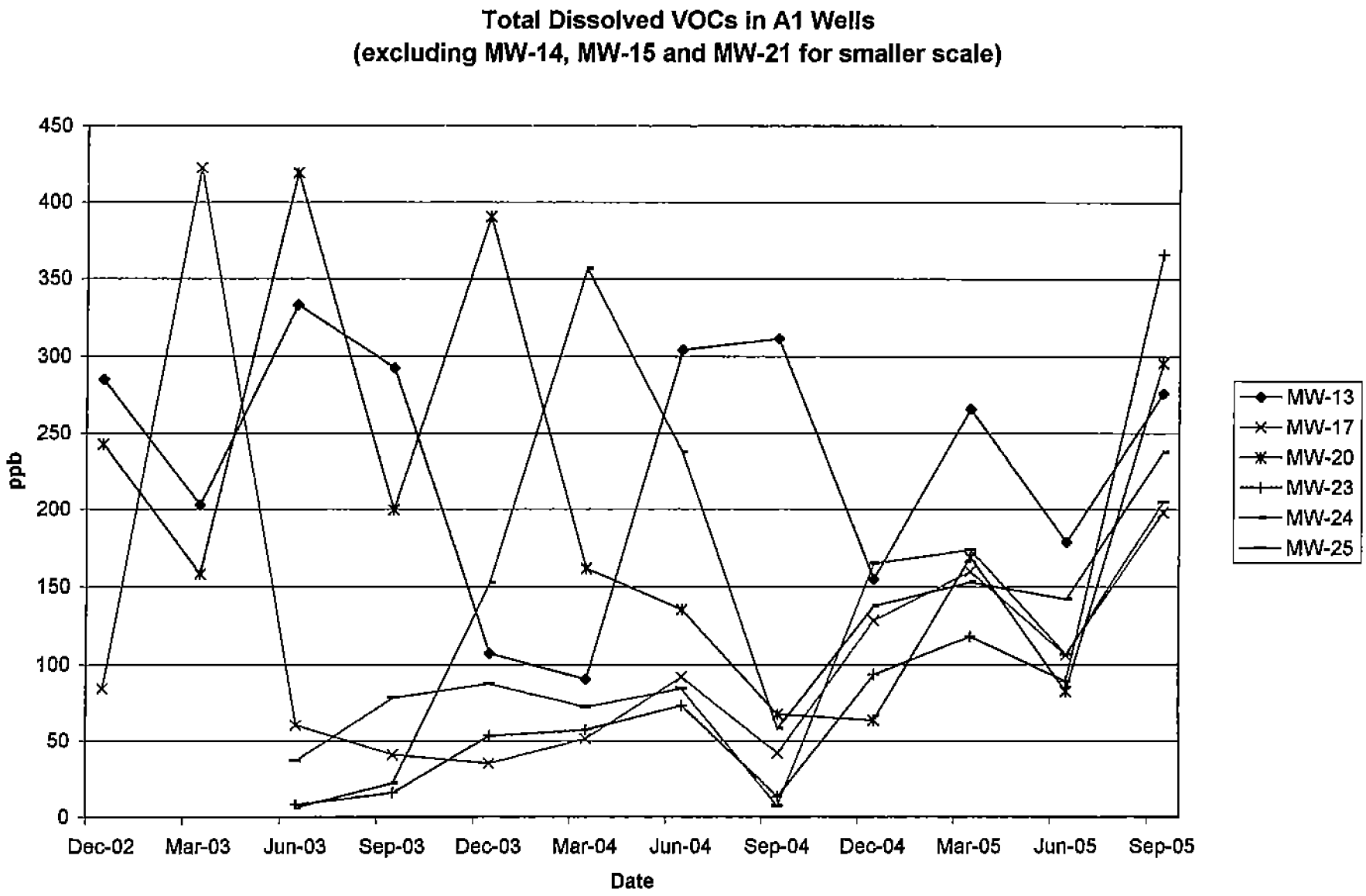
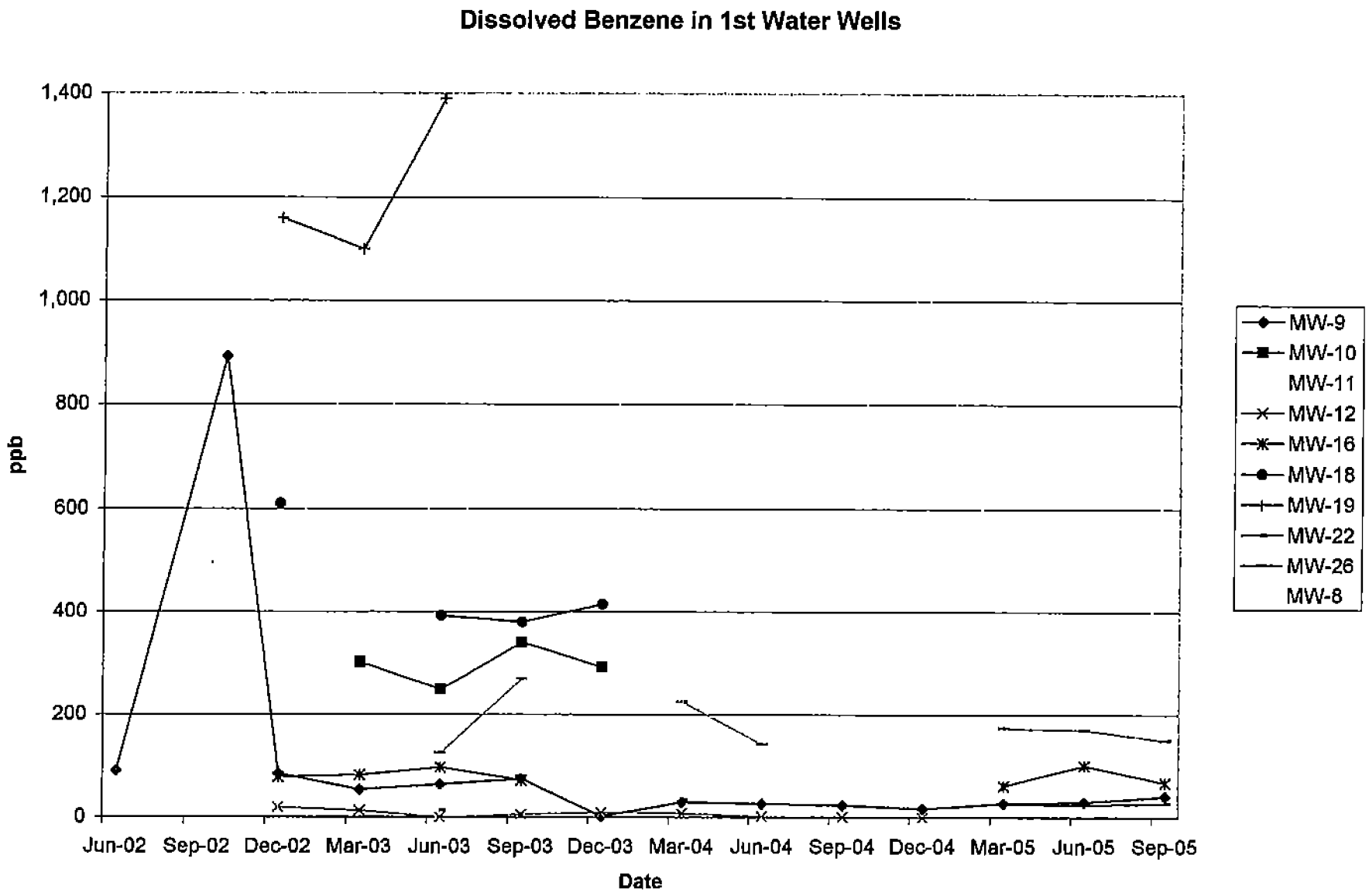
MW-18
MW-19
MW-22
MW-26


Total Dissolved VOCs in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26)
25000
20000
15000
10000
5000
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
Date
MW-9
MW-12
MW-16
MW-22


Total Dissolved VOCs in A1 Wells
14000
12000
10000
8000
6000
4000
2000
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
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


Total Dissolved VOCs in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
ppb
450
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
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25


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
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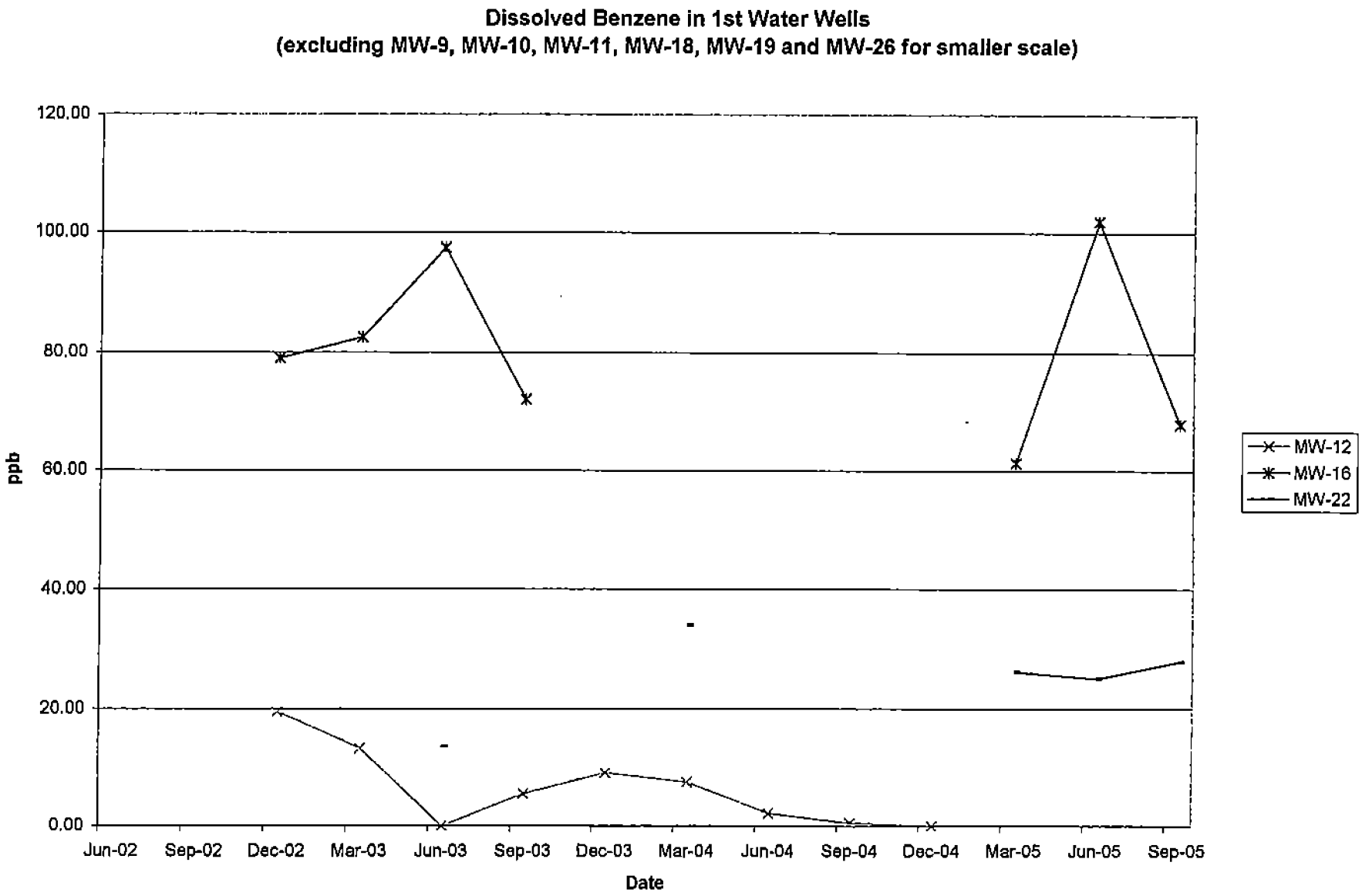
MW-19
MW-22
MW-26
MW-8


Dissolved Benzene in 1st Water Wells
(excluding MW-9, MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
120.00
100.00
80.00
60.00
40.00
20.00
0.00
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
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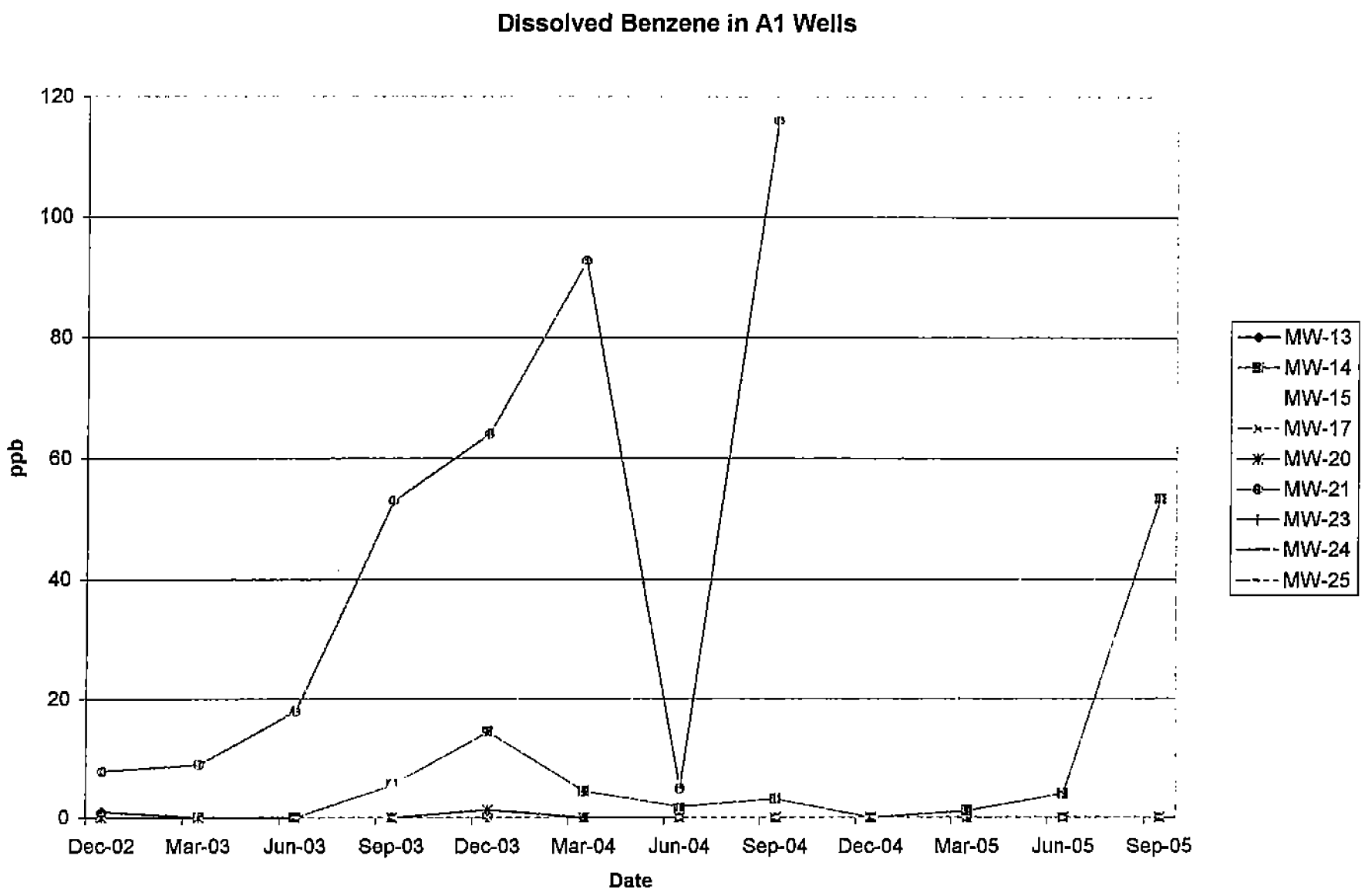
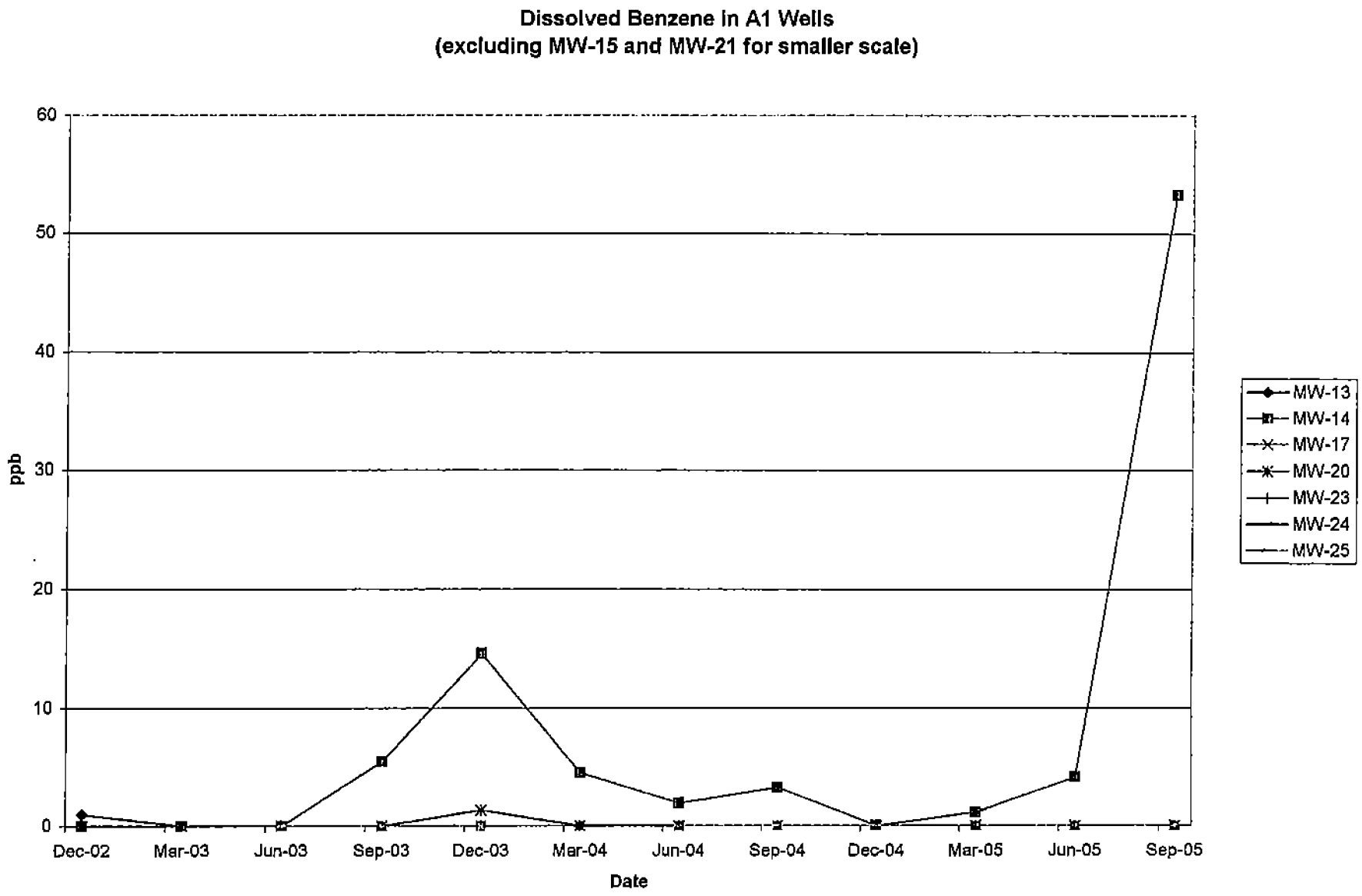
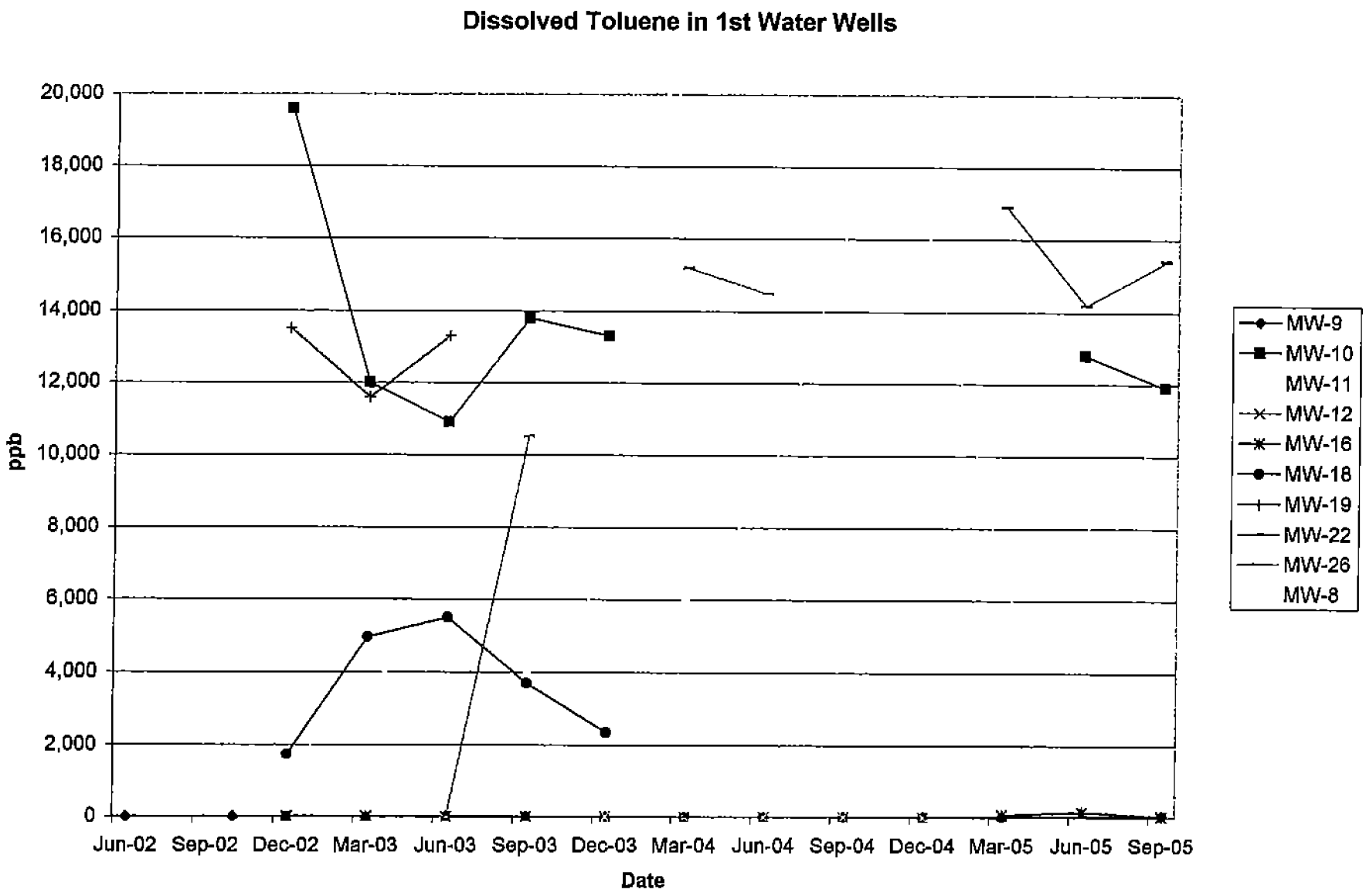
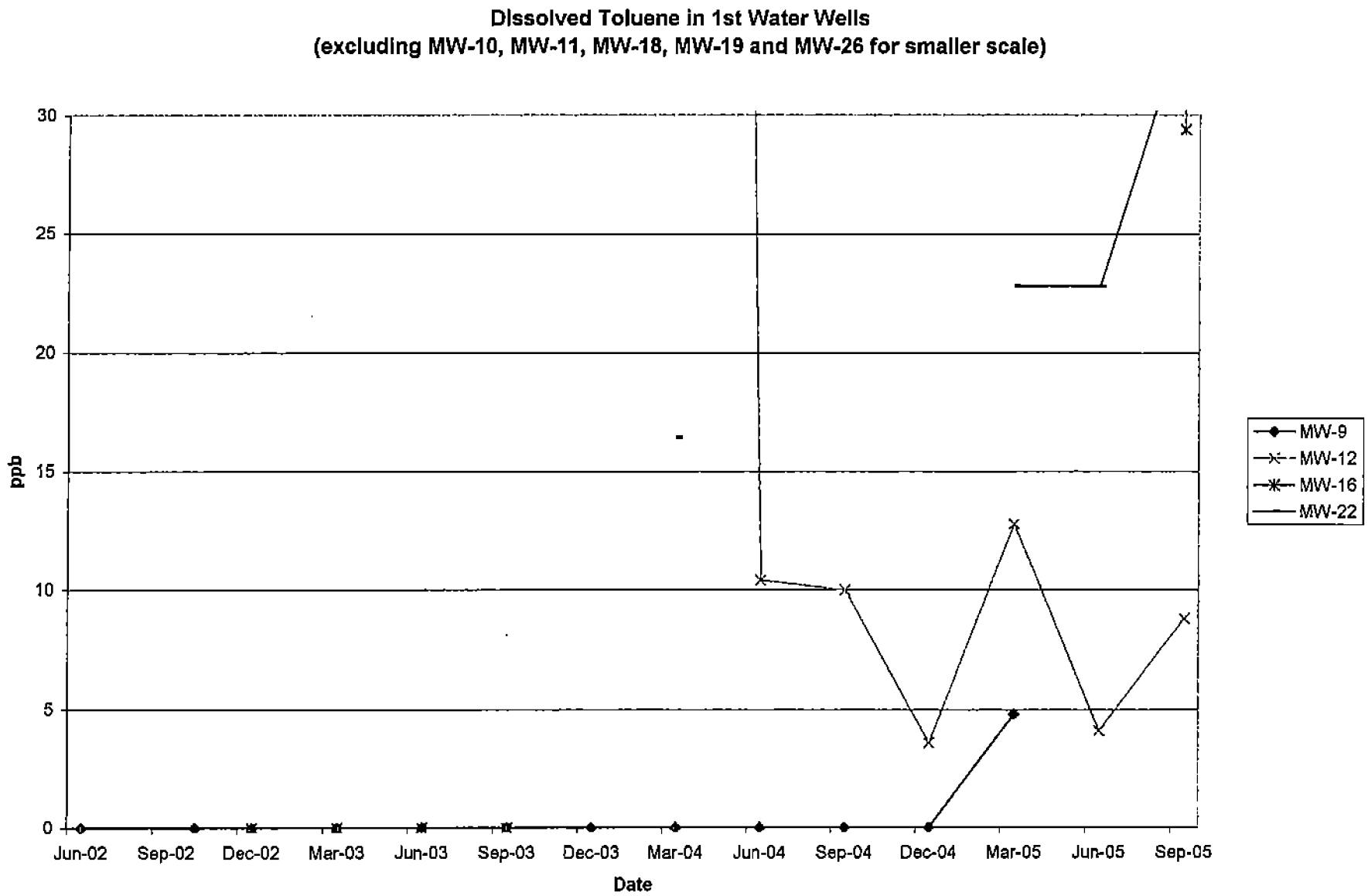
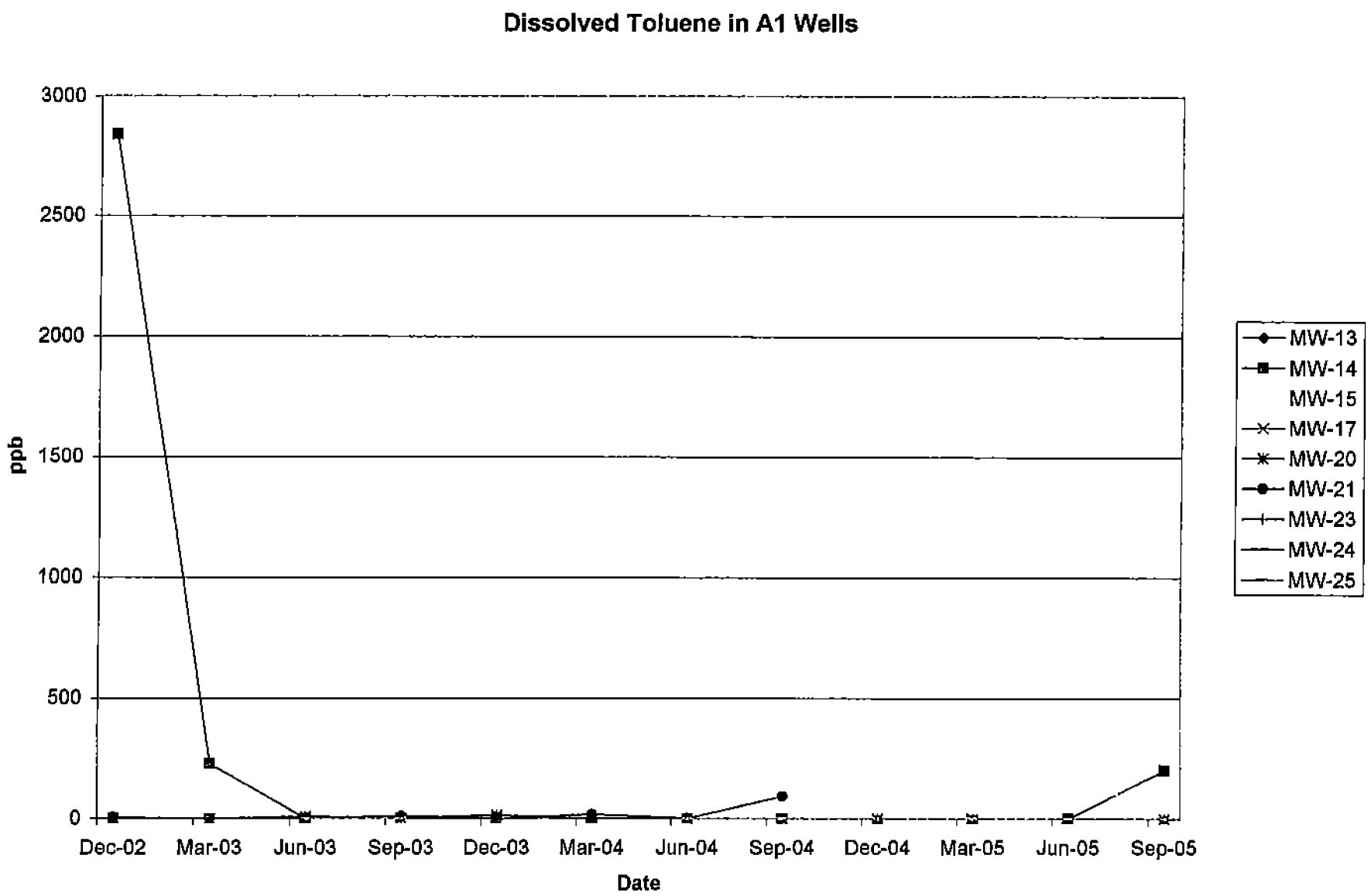
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-12
MW-16
MW-22

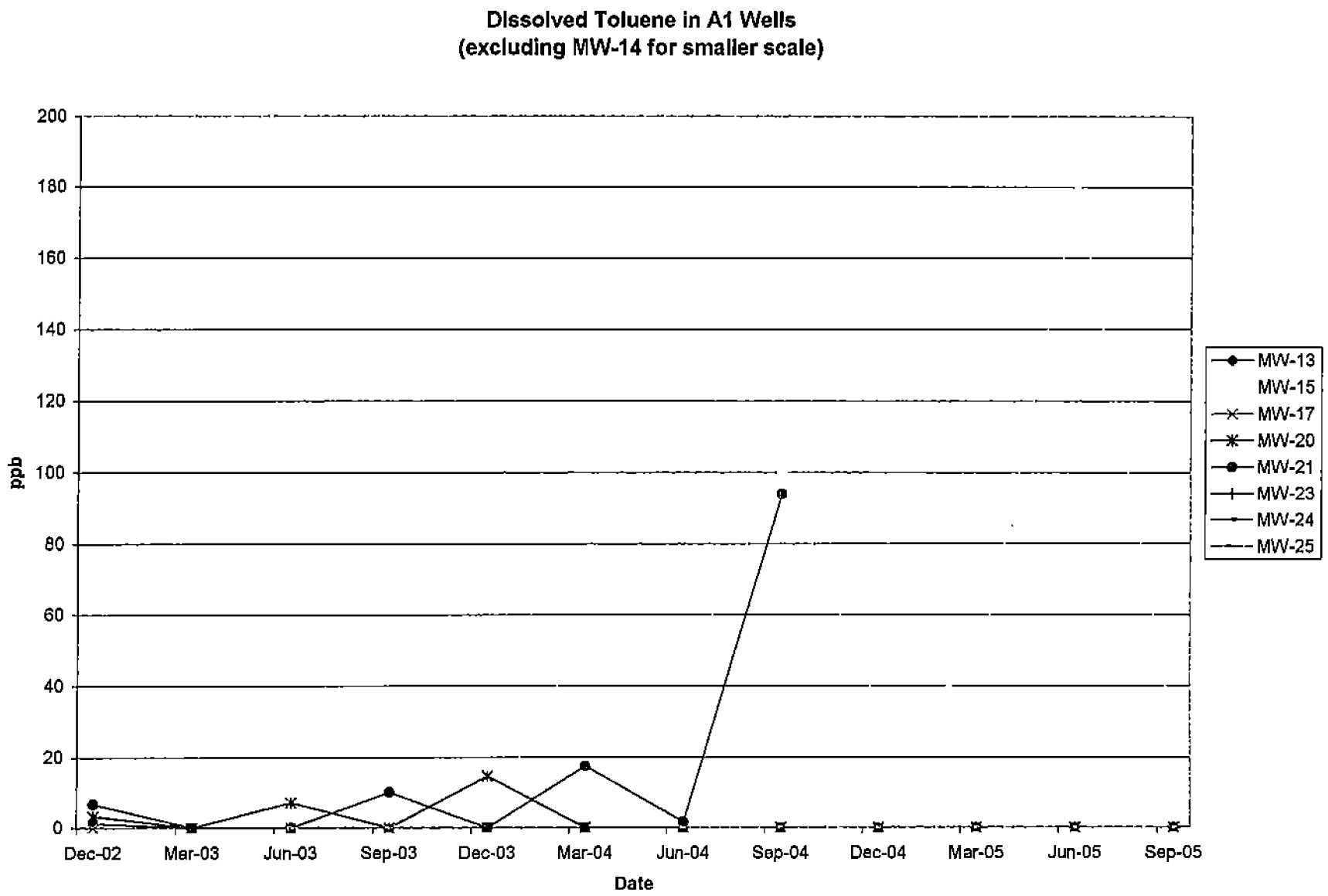

Dissolved Benzene in A1 Wells
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

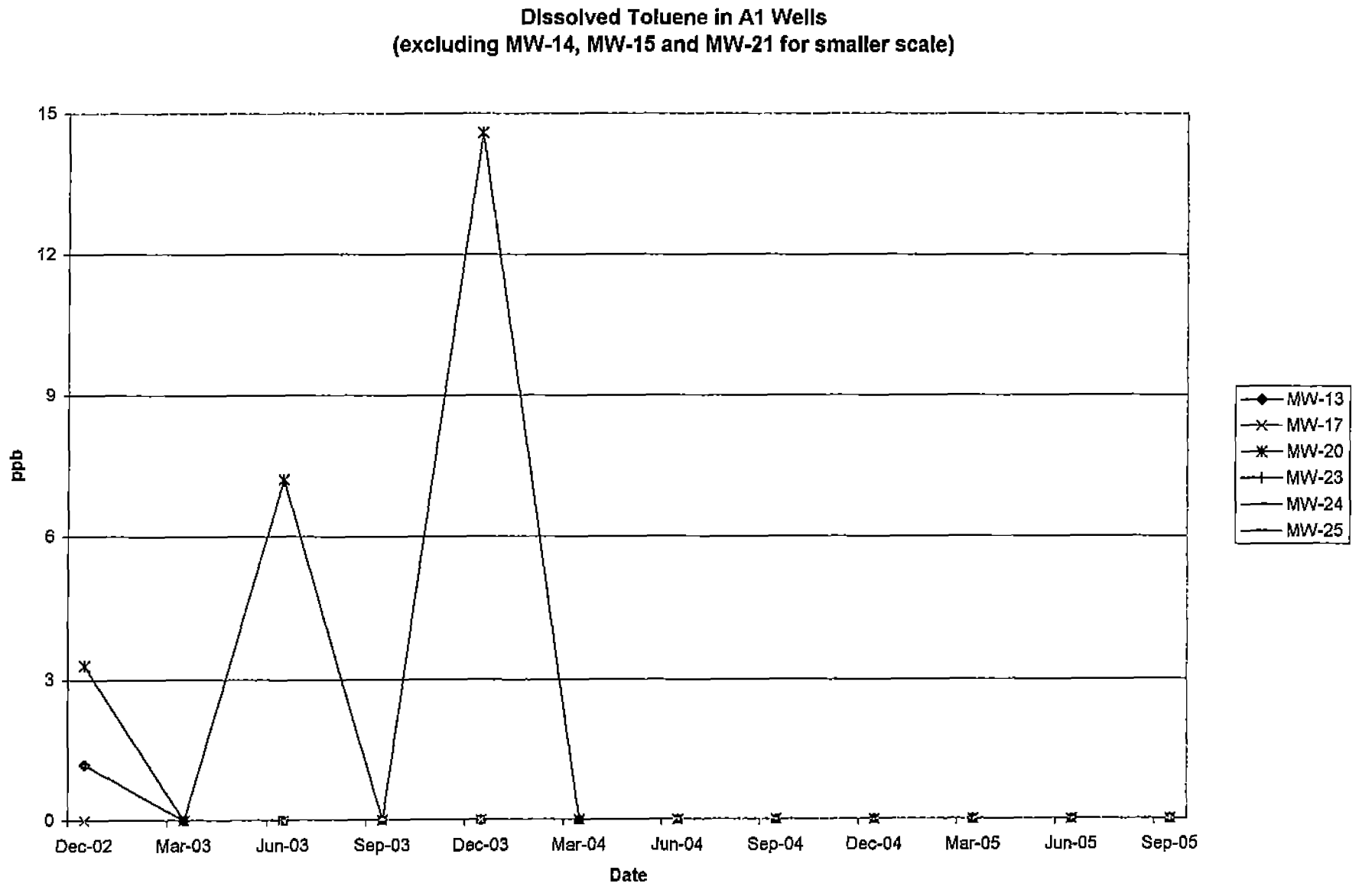

Dissolved Benzene in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)
60
50
40
30
20
10
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

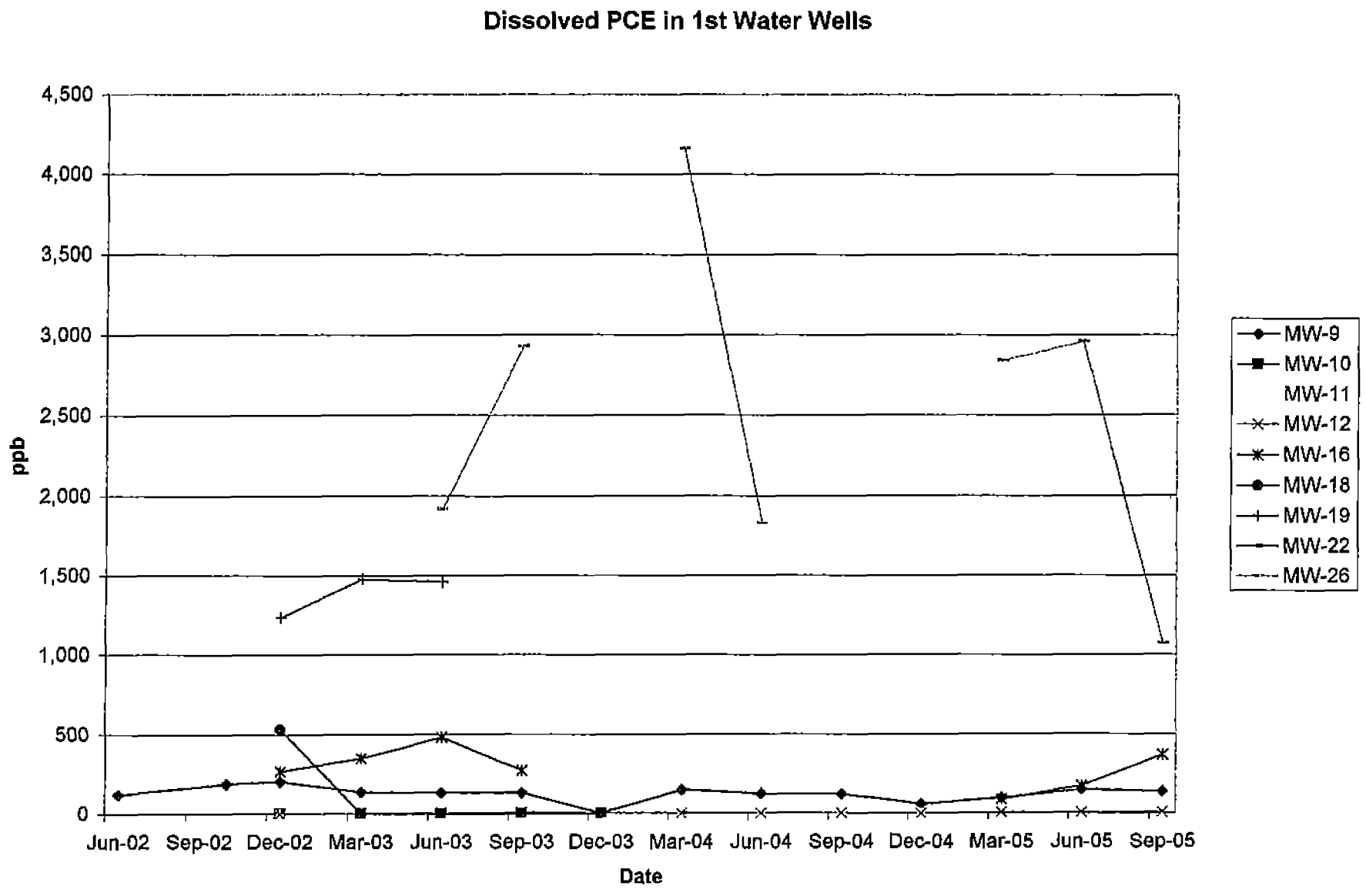

Dissolved Toluene in 1st Water Wells
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8

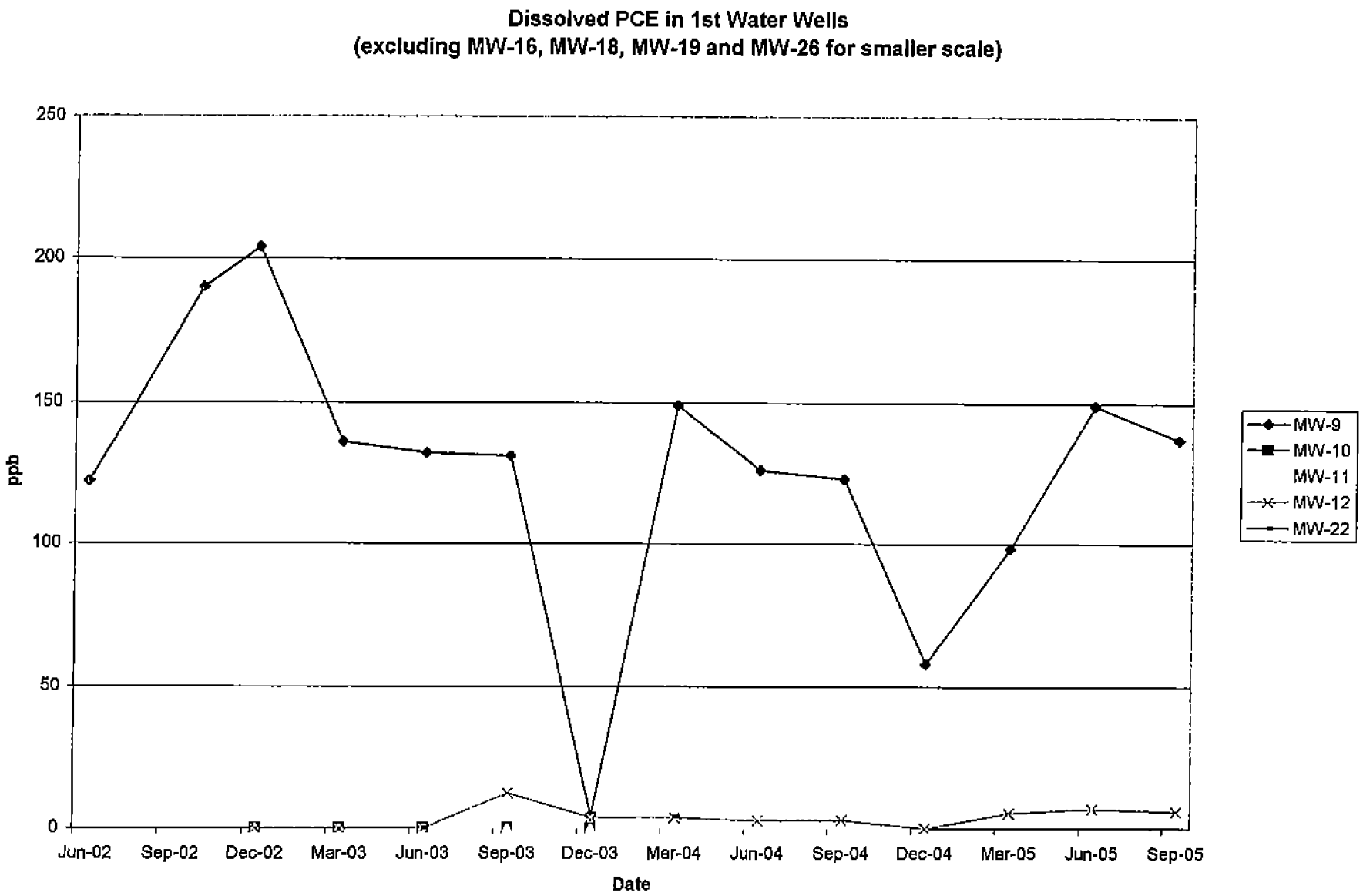

Dissolved Toluene in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
ppb
30
25
20
15
10
5
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-12
MW-16
MW-22

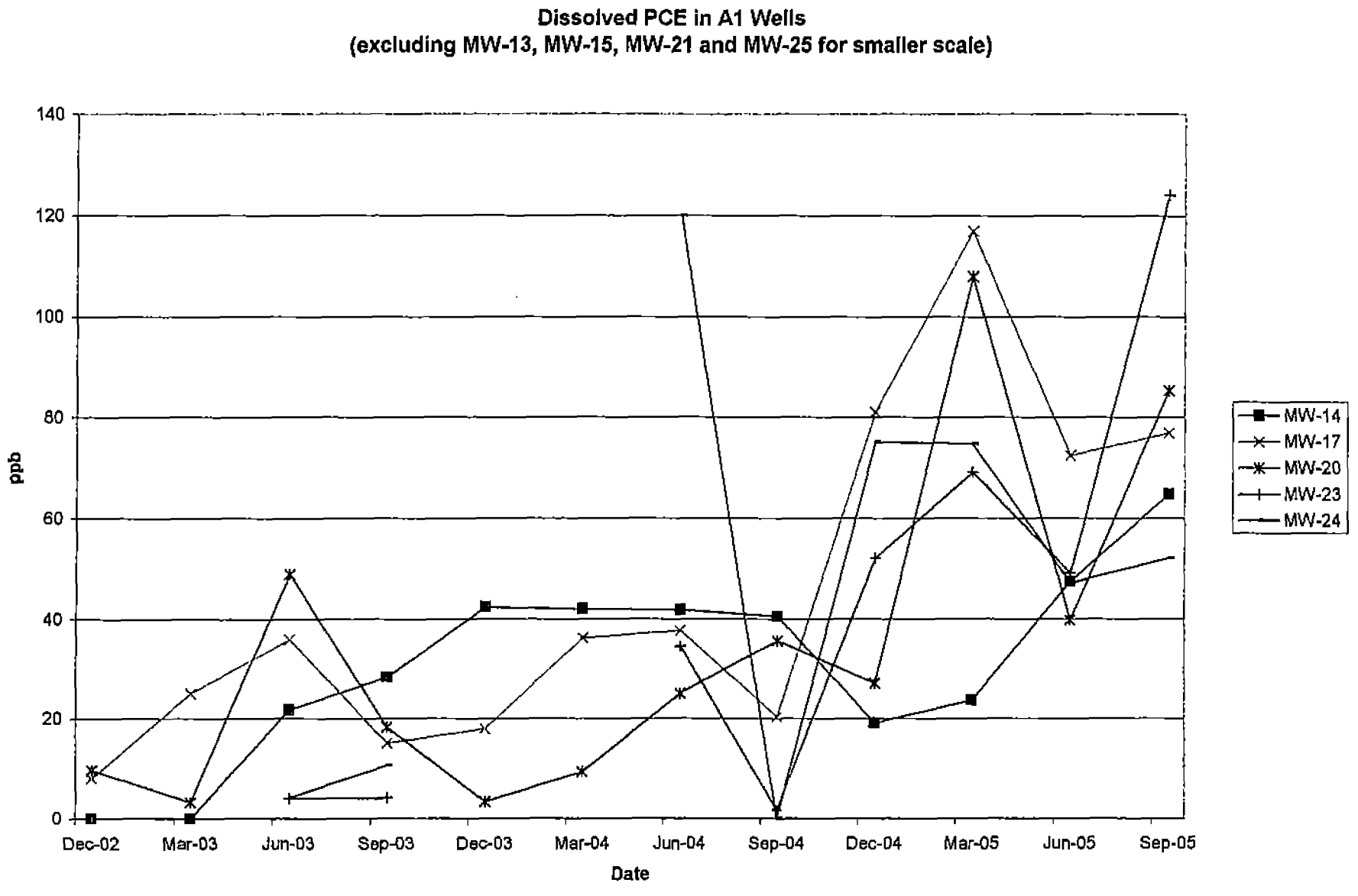

Dissolved Toluene in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

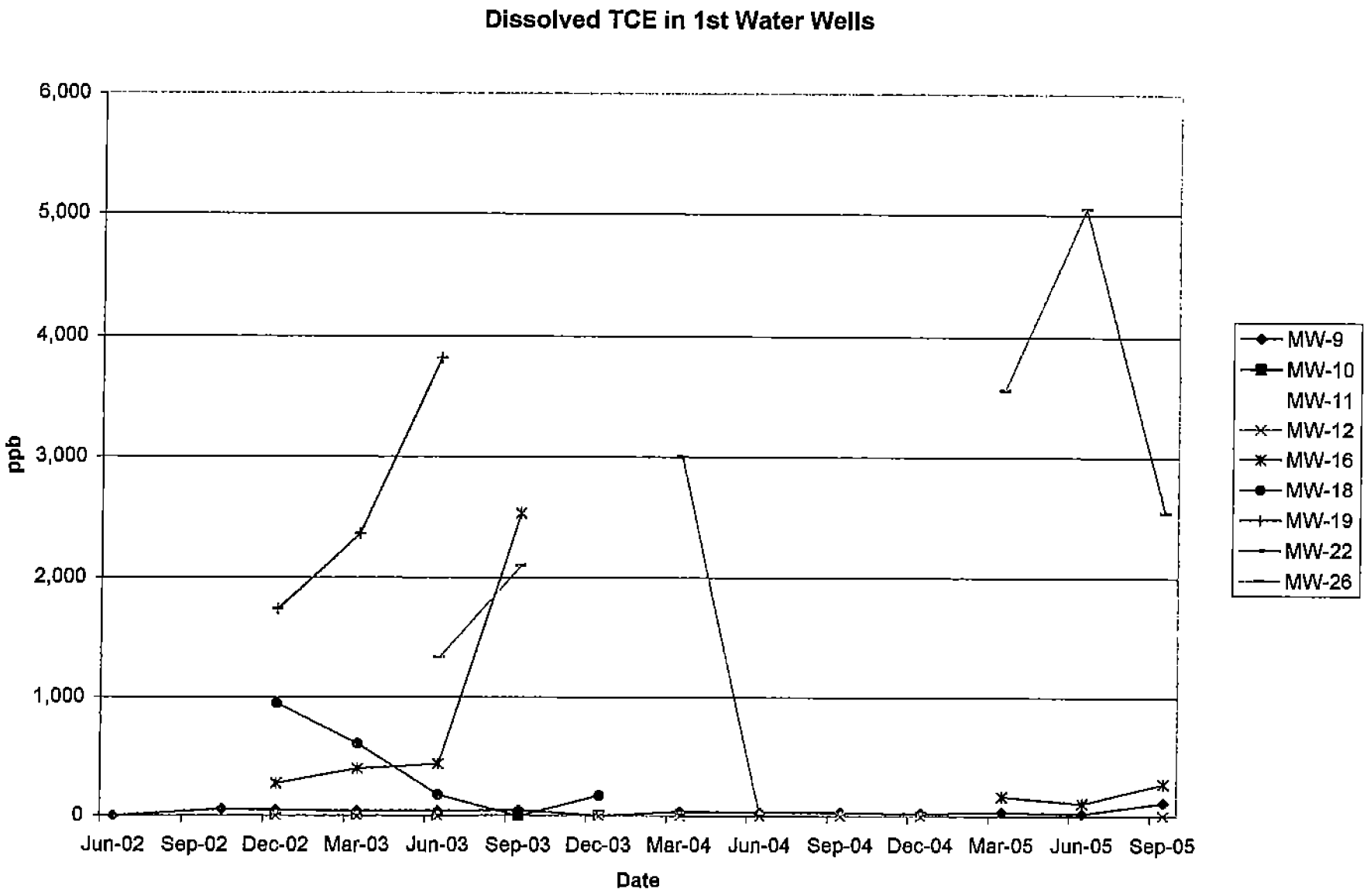

Dissolved Toluene in A1 Wells
(excluding MW-14 for smaller scale)
ppb
200
180
160
140
120
100
80
60
40
20
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

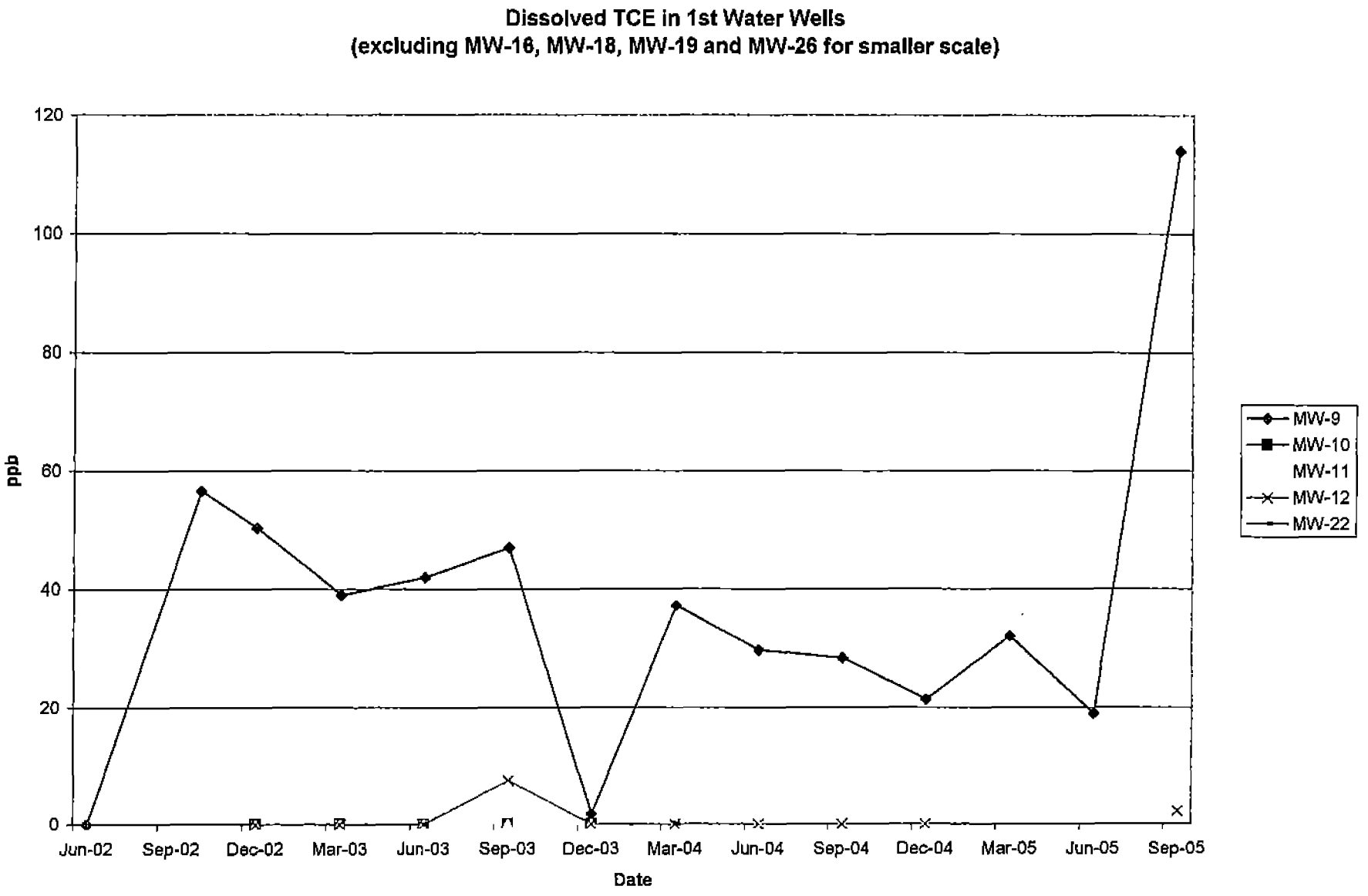

Dissolved Toluene in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
15
12
9
6
3
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25

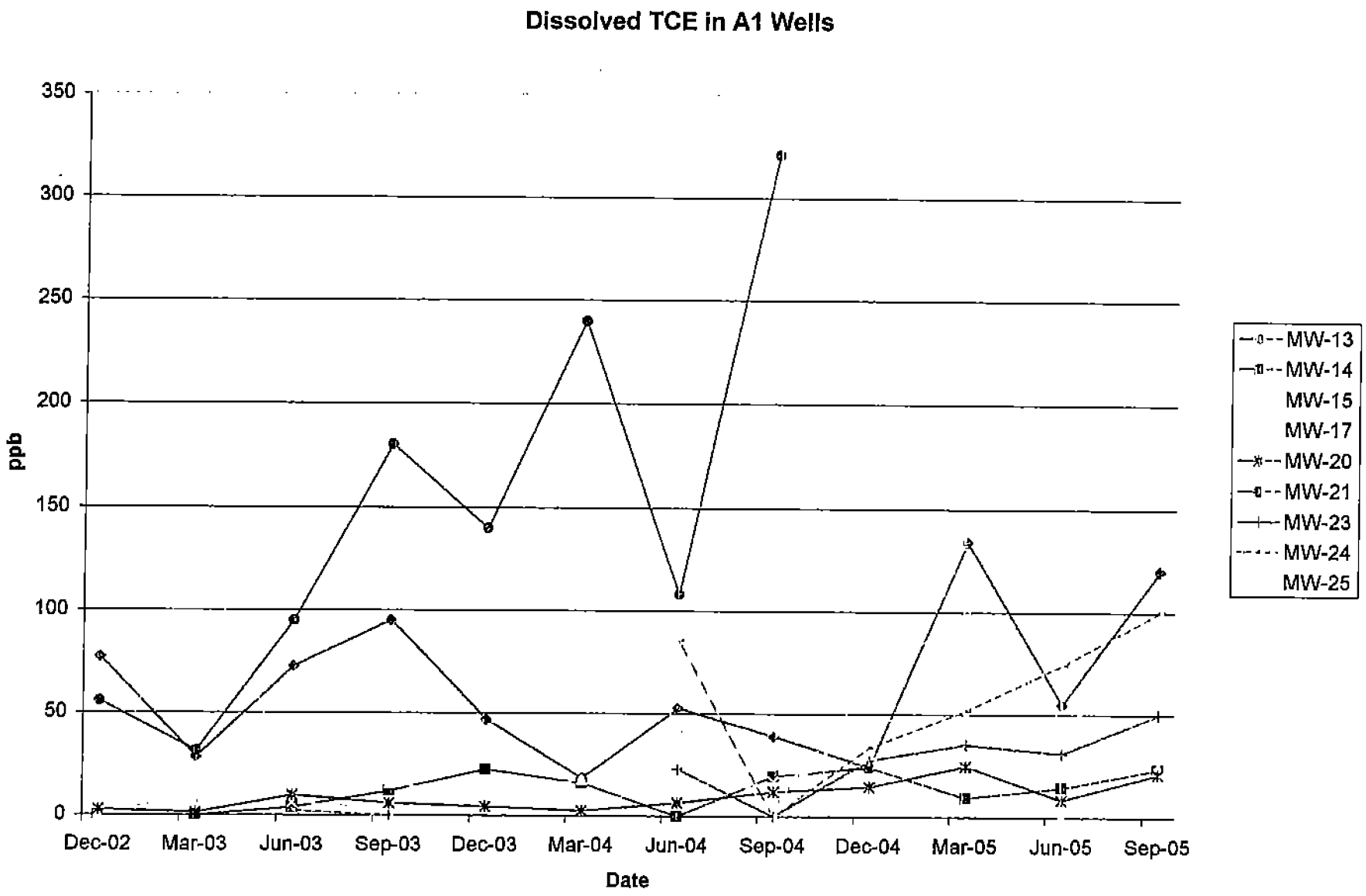

Dissolved PCE in 1st Water Wells
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

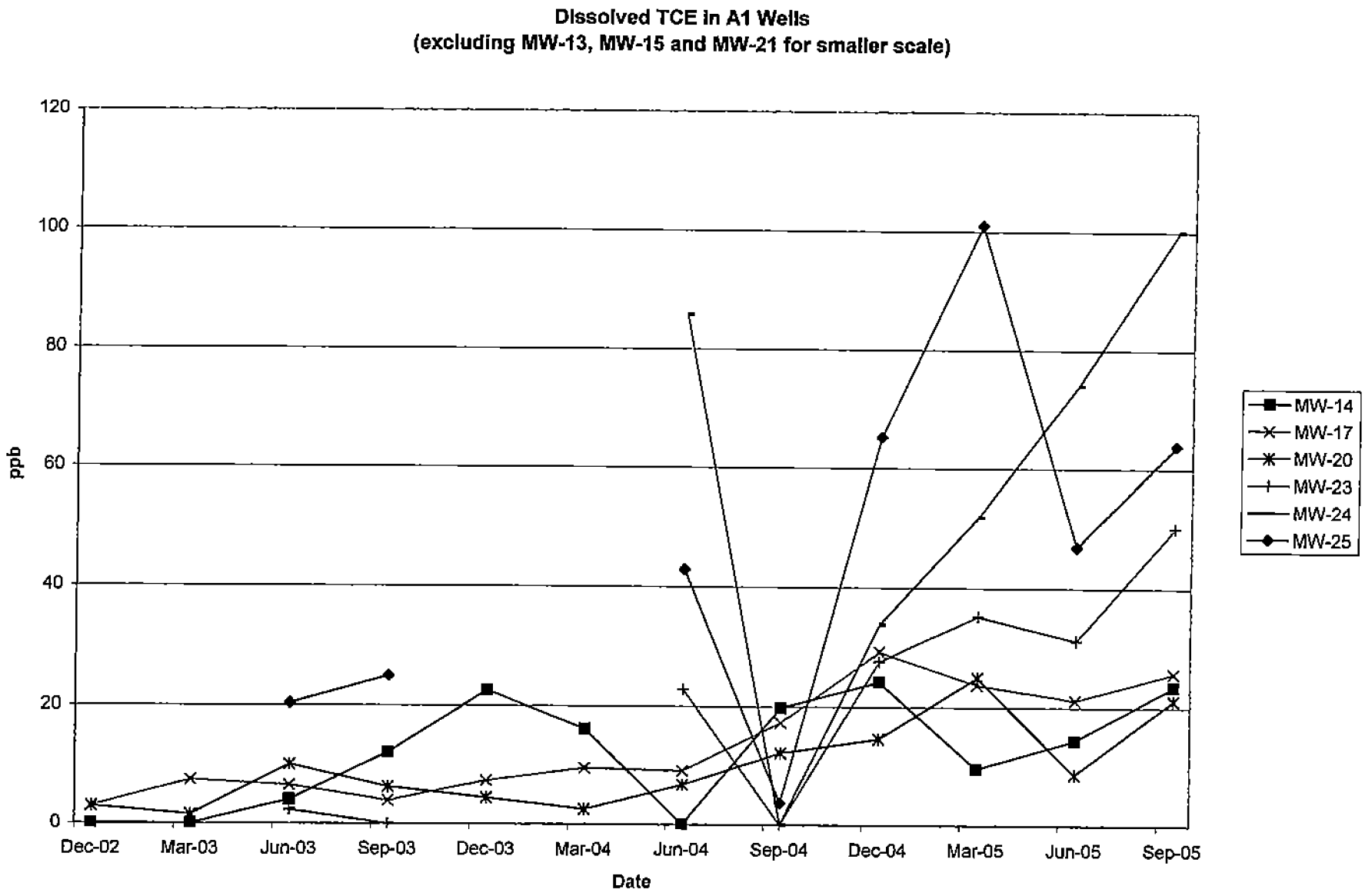

Dissolved PCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)
250
200
150
100
50
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-22

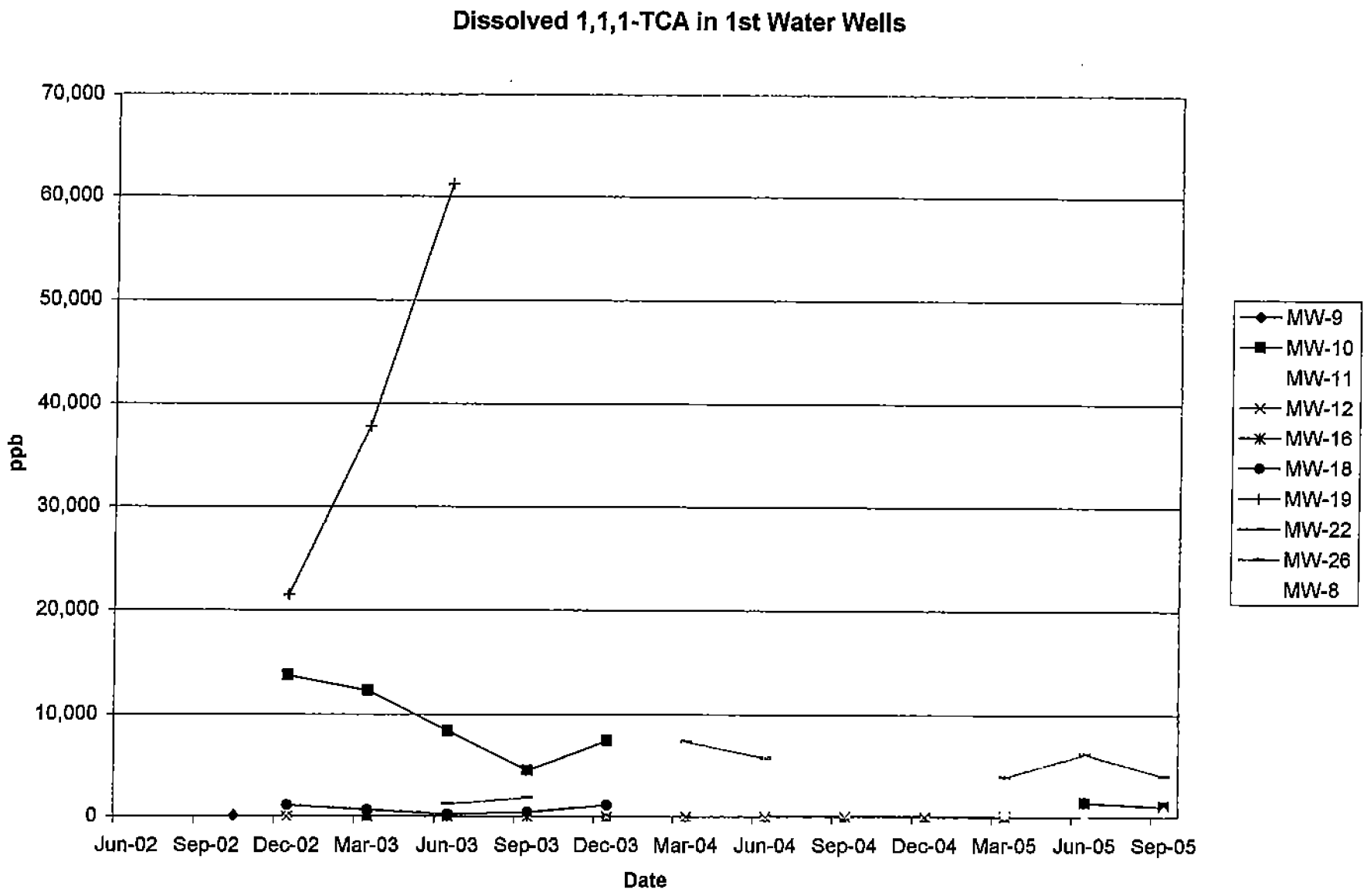

Dissolved PCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)
140
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-14
MW-17
MW-20
MW-23
MW-24

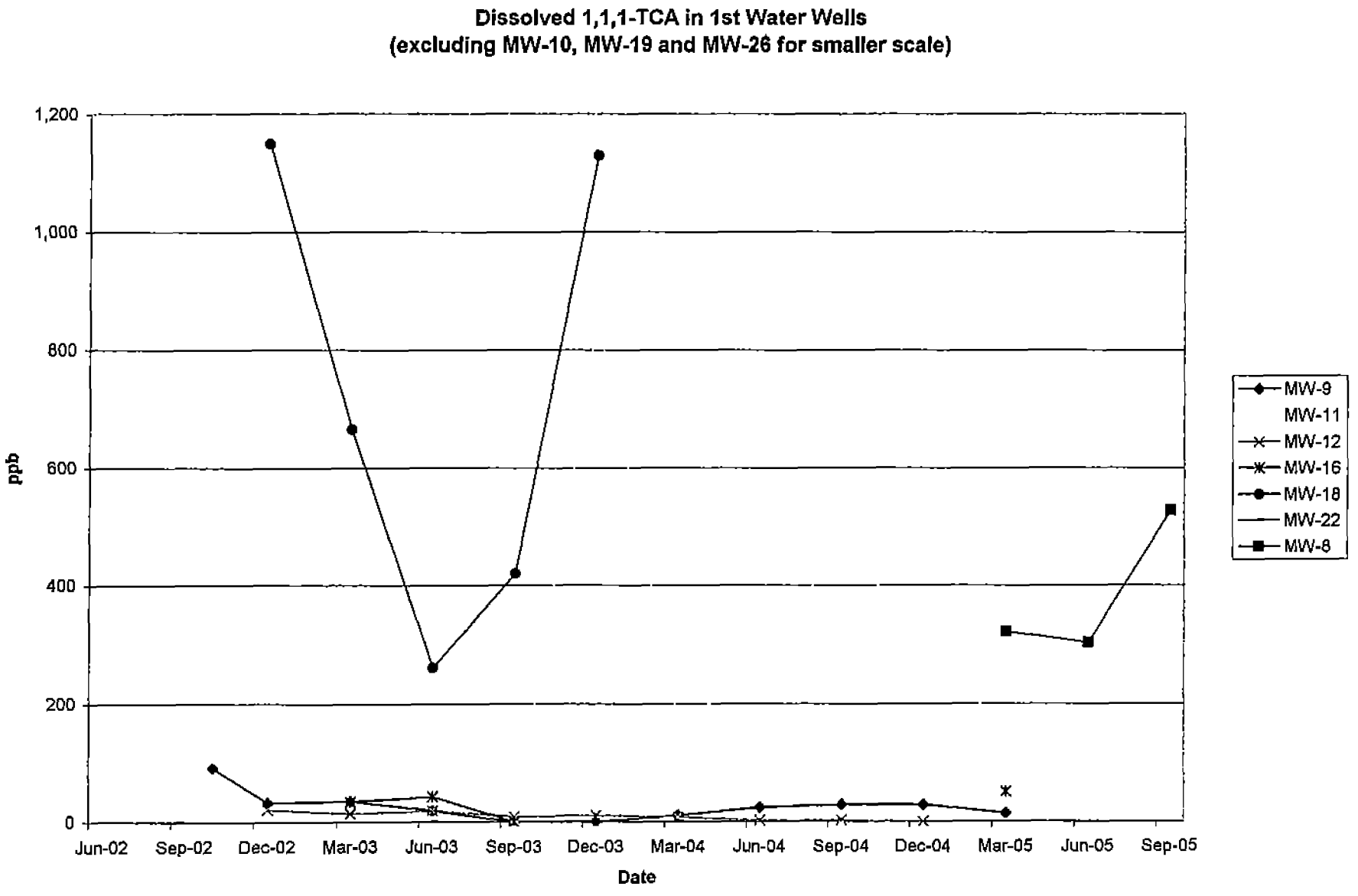

Dissolved TCE in 1st Water Wells
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

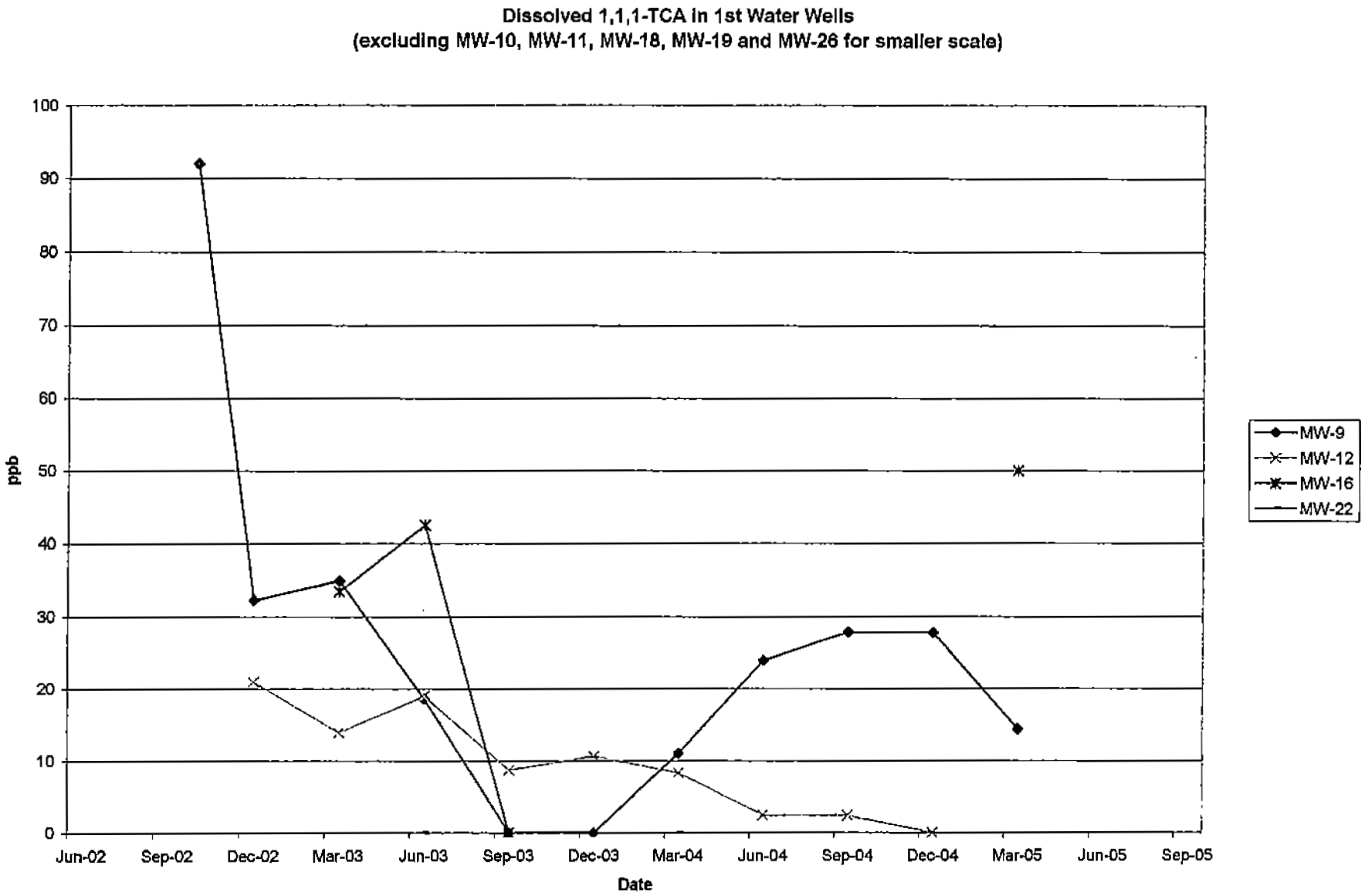

Dissolved TCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)
120
100
80
60
40
20
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-22

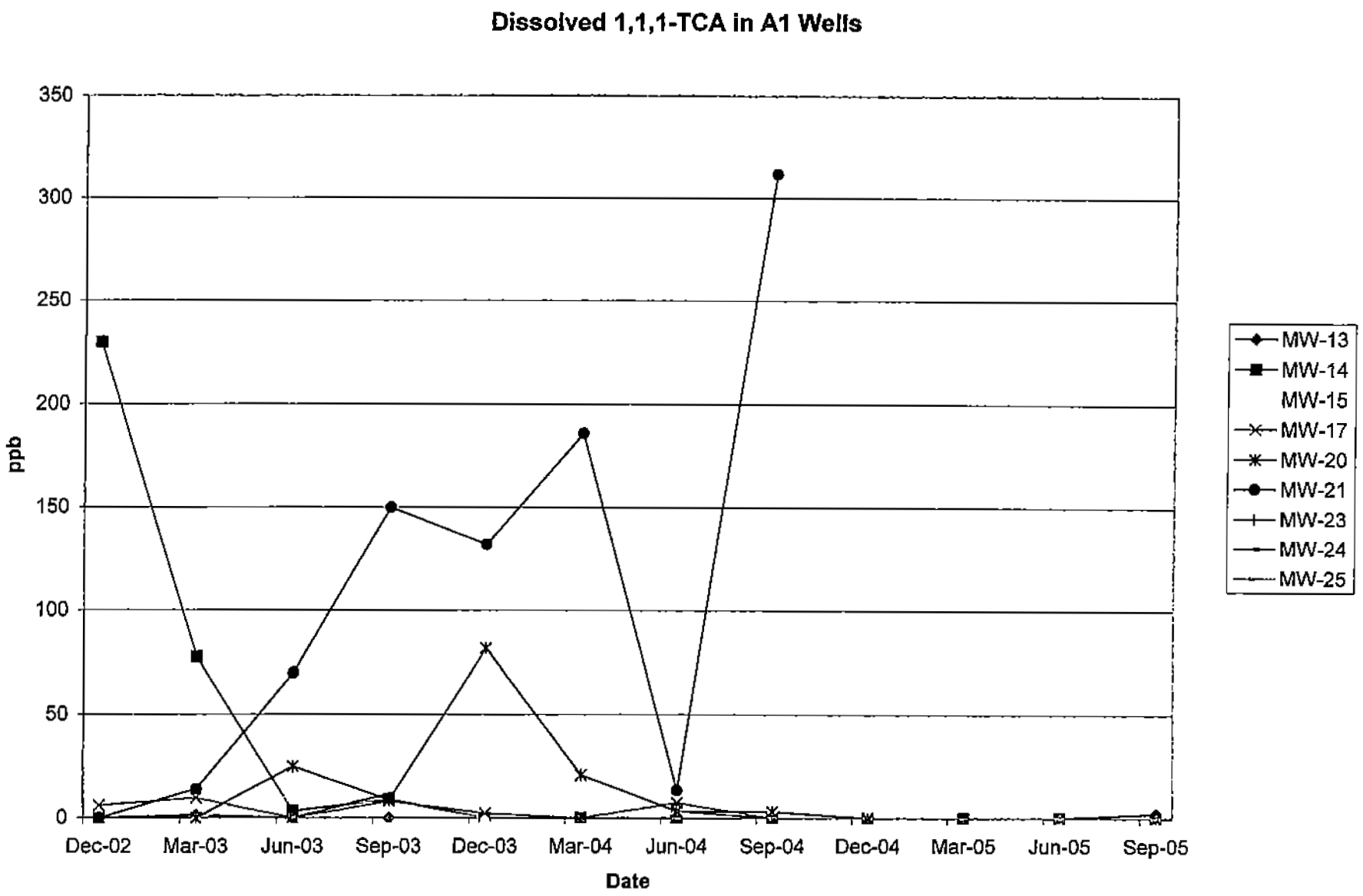

Dissolved TCE in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

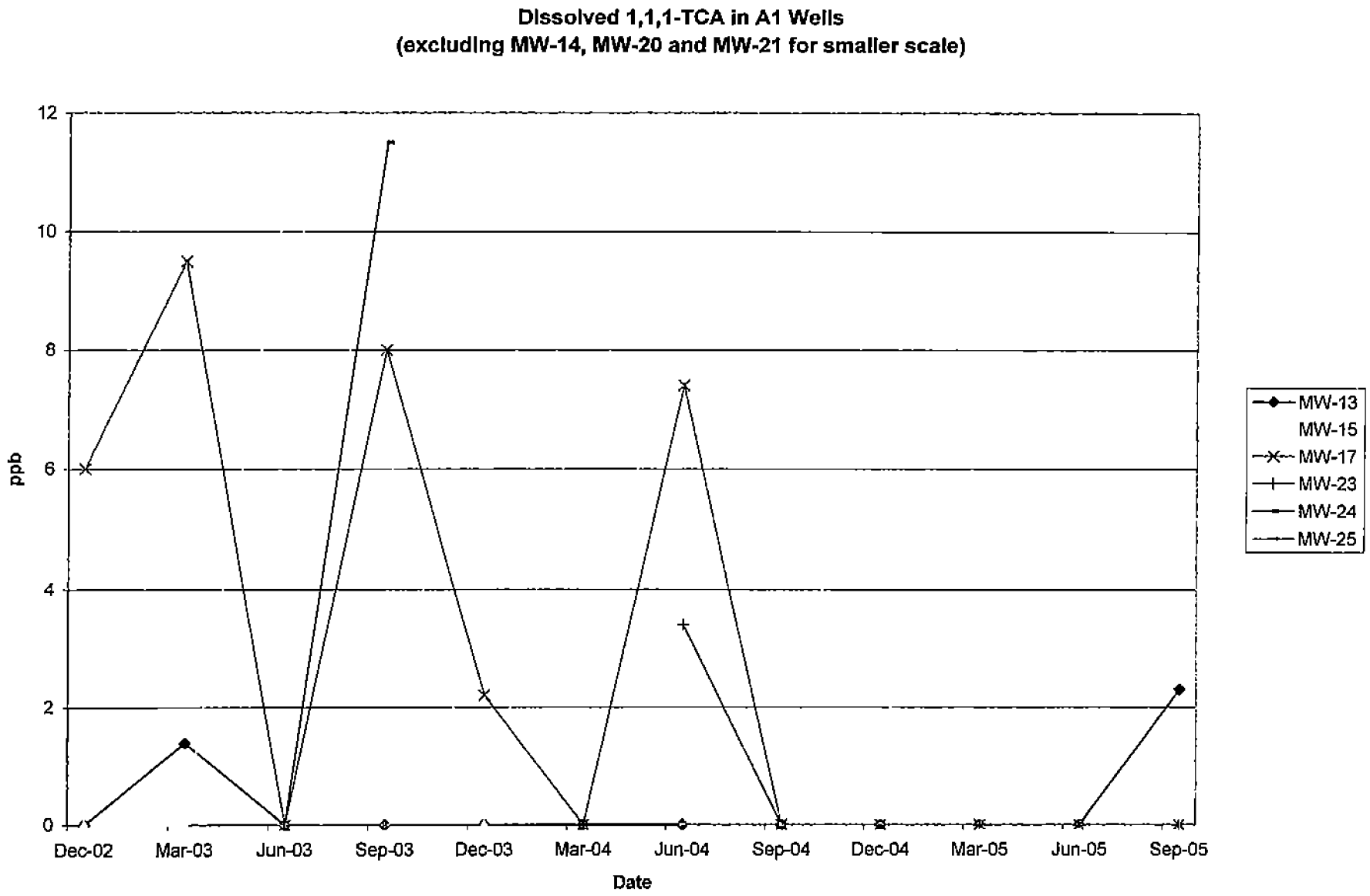

Dissolved TCE in A1 Wells
(excluding MW-13, MW-15 and MW-21 for smaller scale)
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

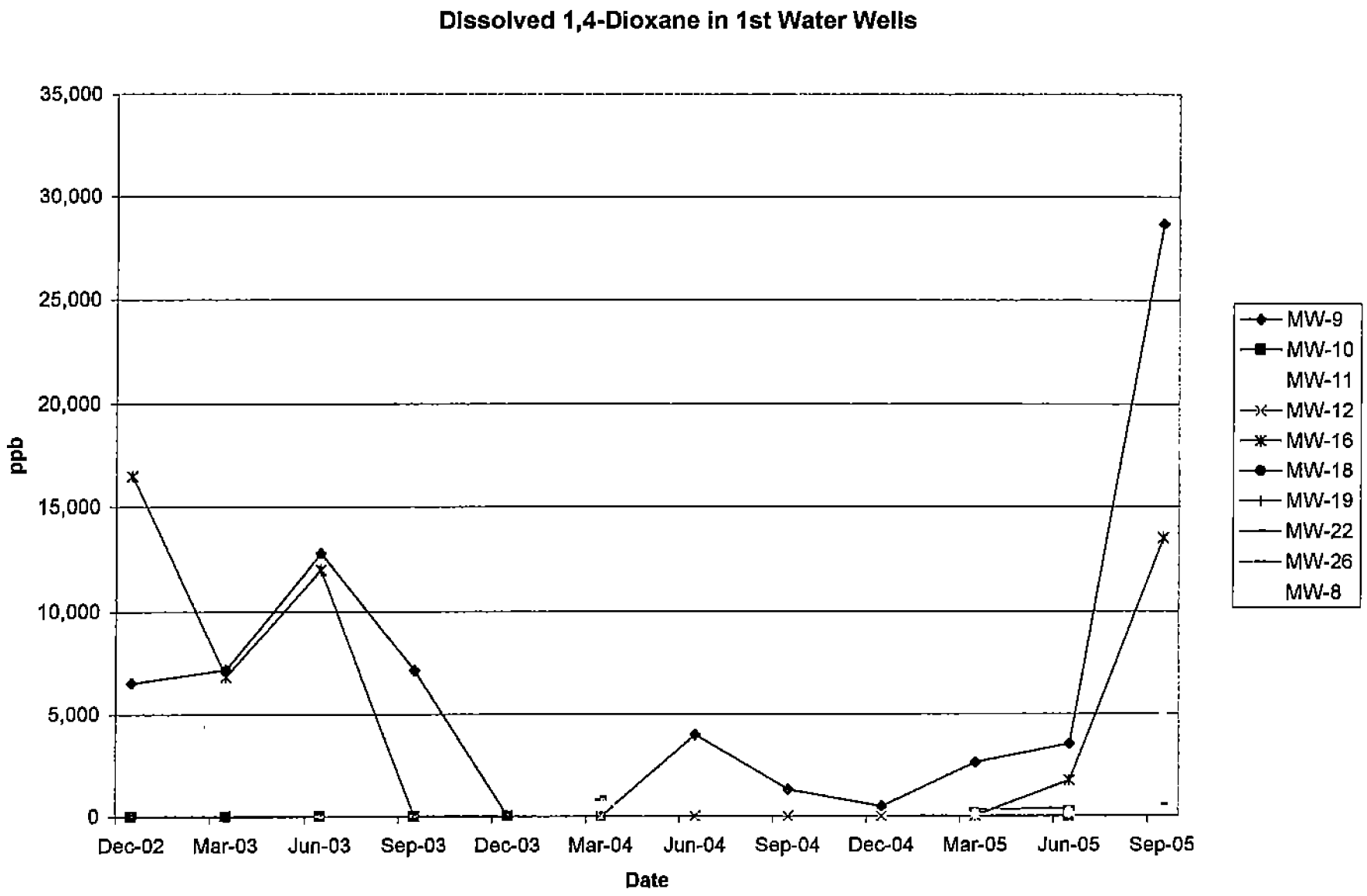

Dissolved 1,1,1-TCA in 1st Water Wells
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8


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
Date
MW-9
MW-11
MW-12
MW-16
MW-18
MW-22
MW-8

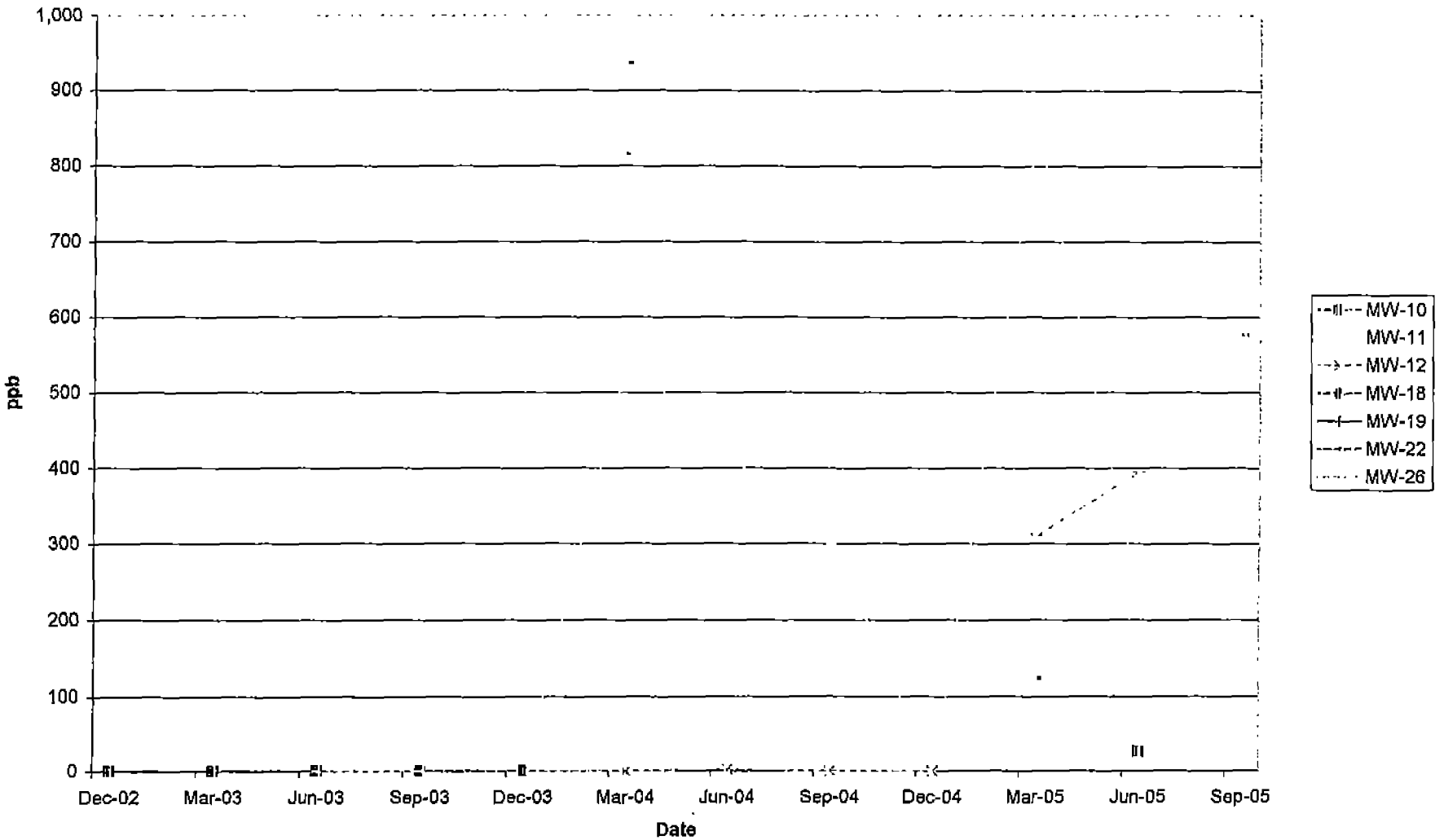

Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
ppb
100
90
80
70
60
50
40
30
20
10
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-12
MW-16
MW-22

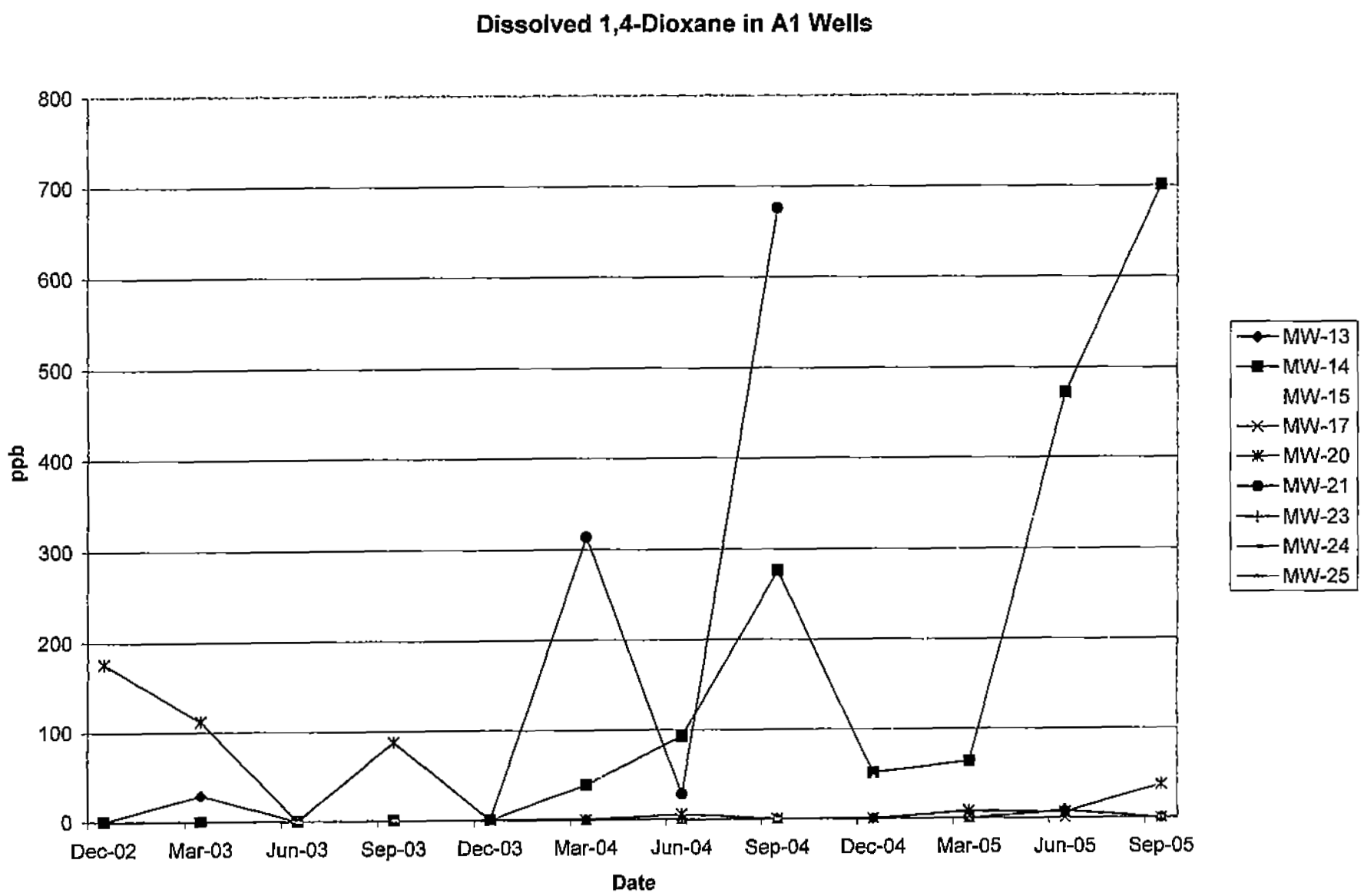

Dissolved 1,1,1-TCA in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

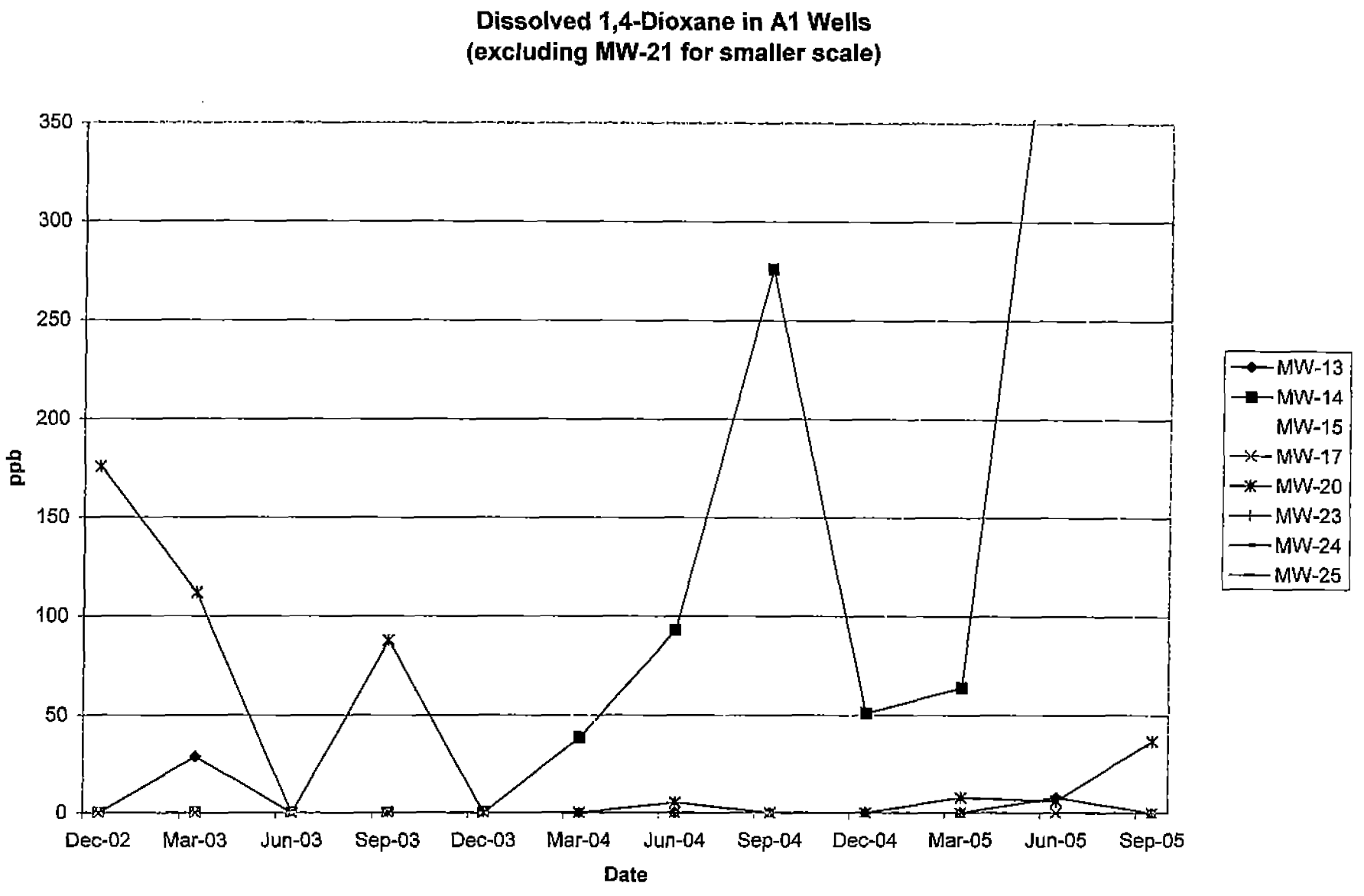

Dissolved 1,1,1-TCA in A1 Wells
(excluding MW-14, MW-20 and MW-21 for smaller scale)
ppb
12
10
8
6
4
2
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-15
MW-17
MW-23
MW-24
MW-25

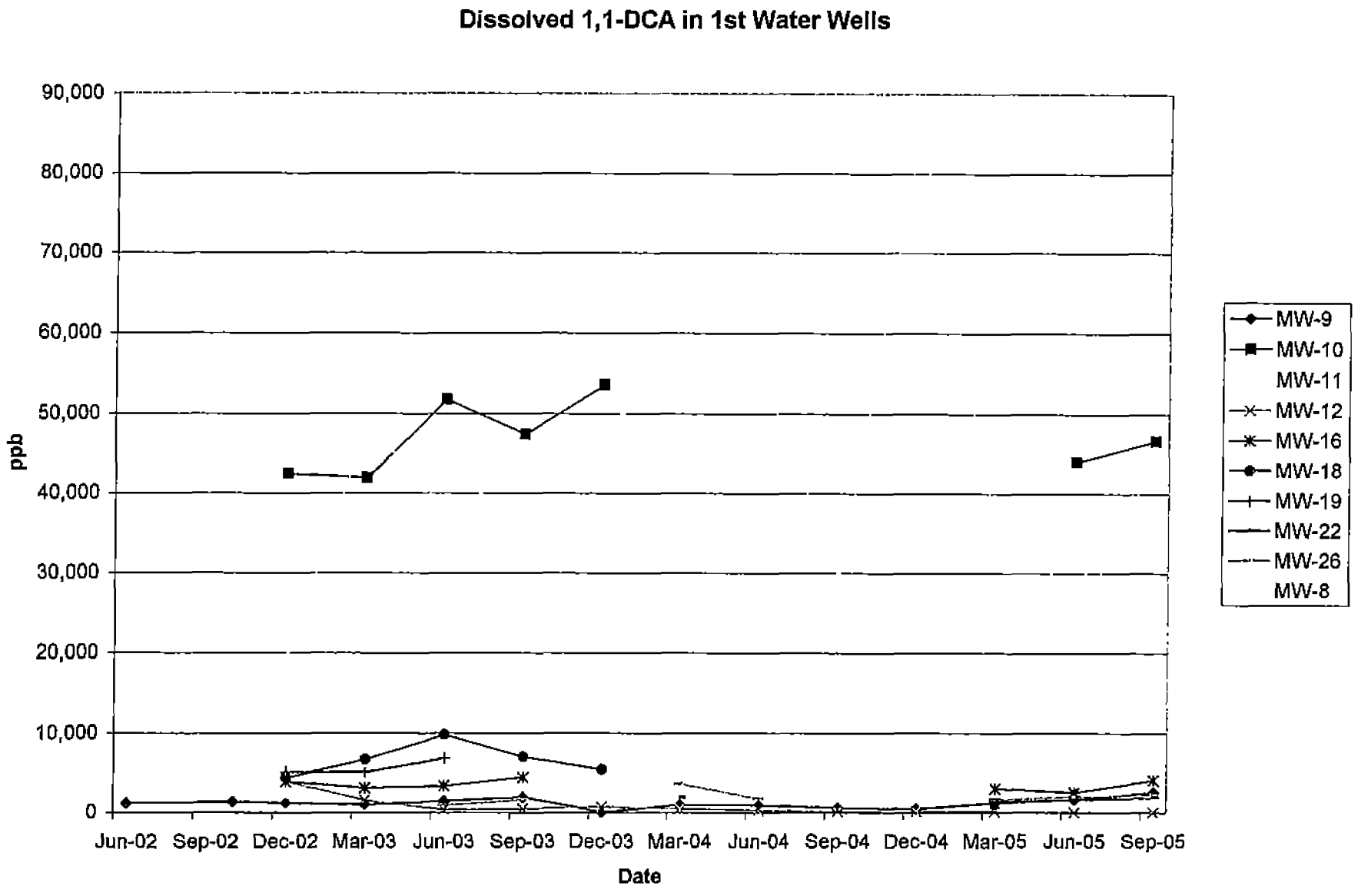

Dissolved 1,4-Dioxane in 1st Water Wells
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8

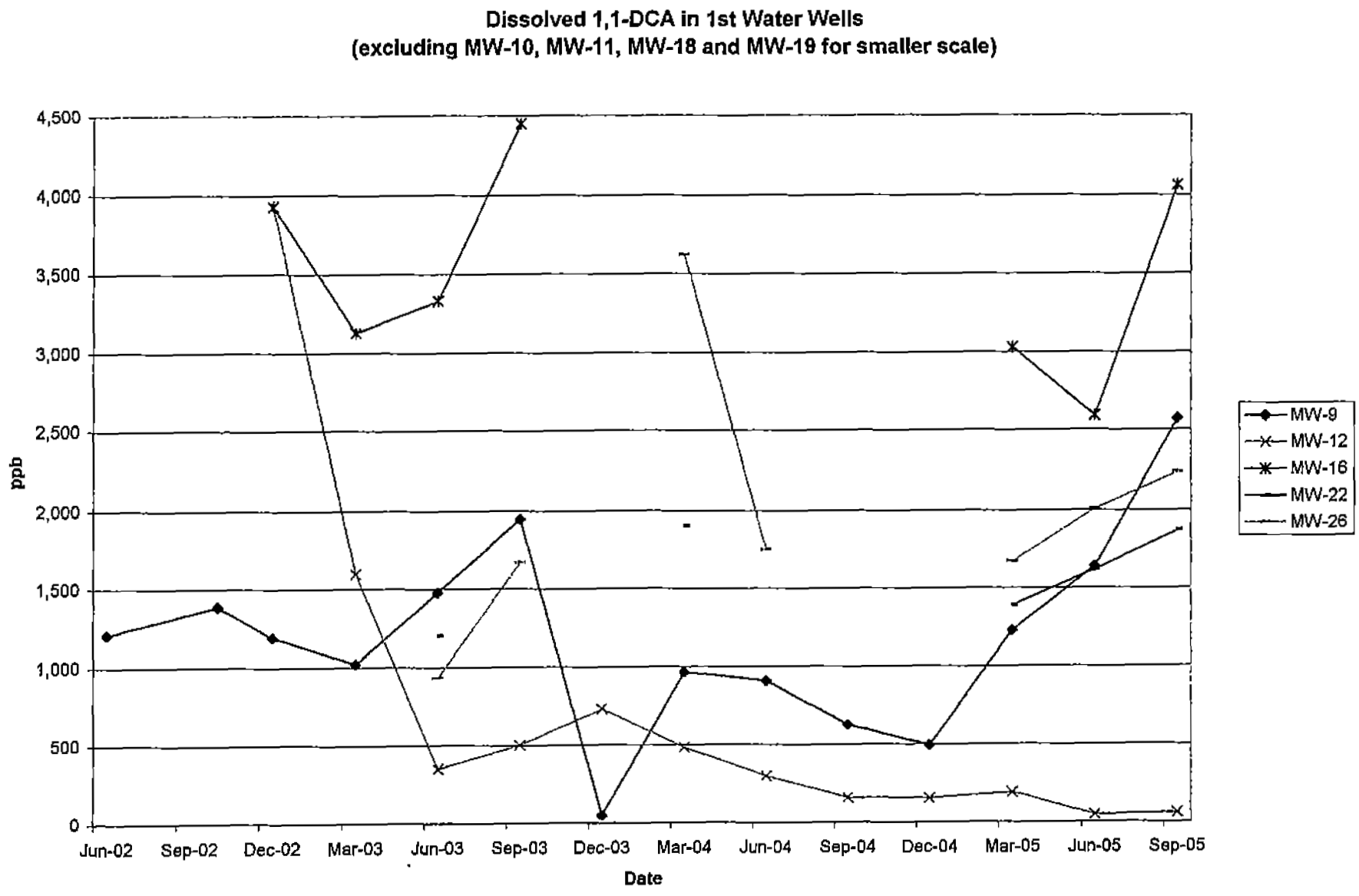
Dissolved 1,4-Dioxane in 1st Water Wells
(excluding MW-8, MW-9 and MW-16 for smaller scale)

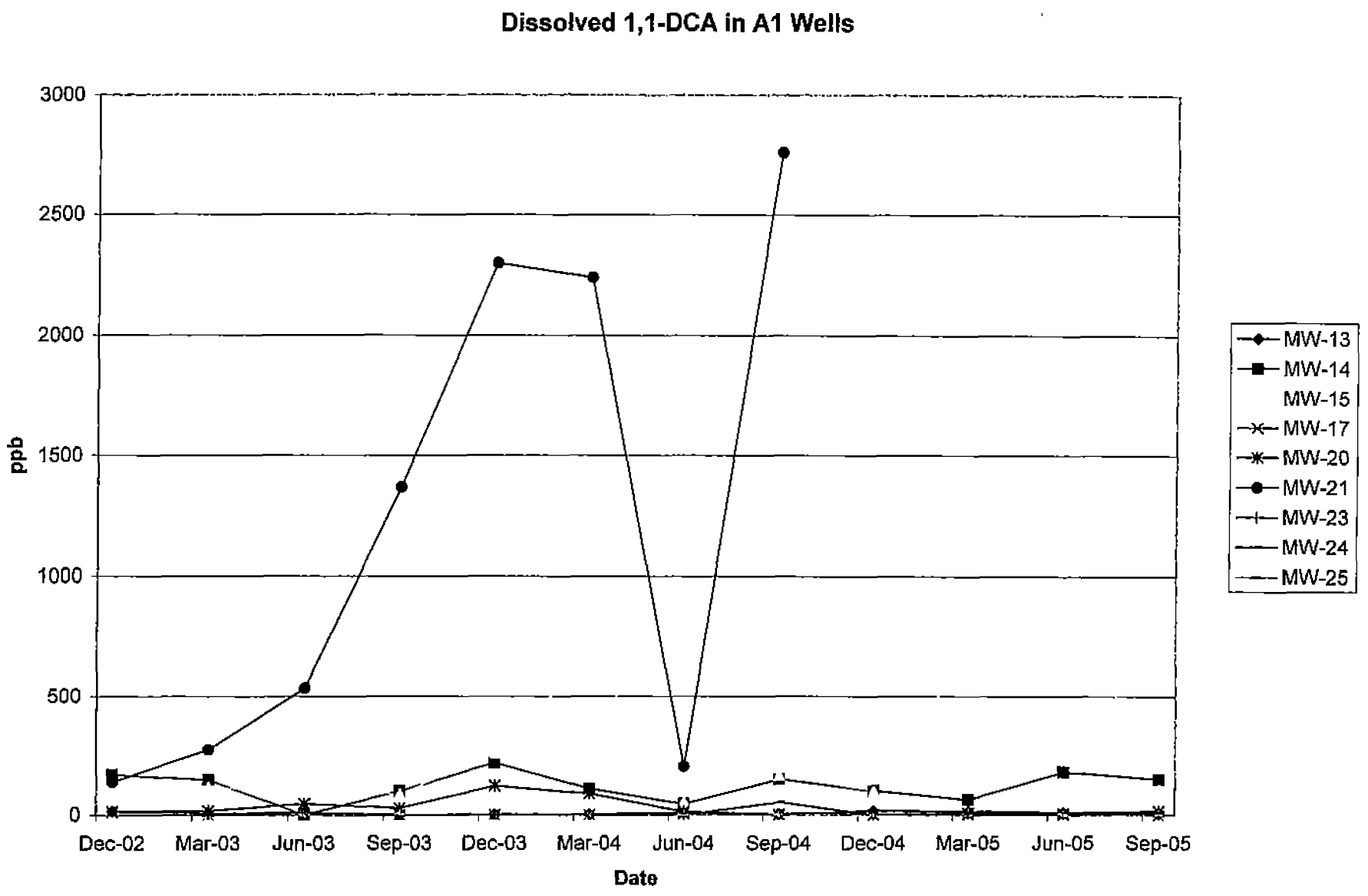


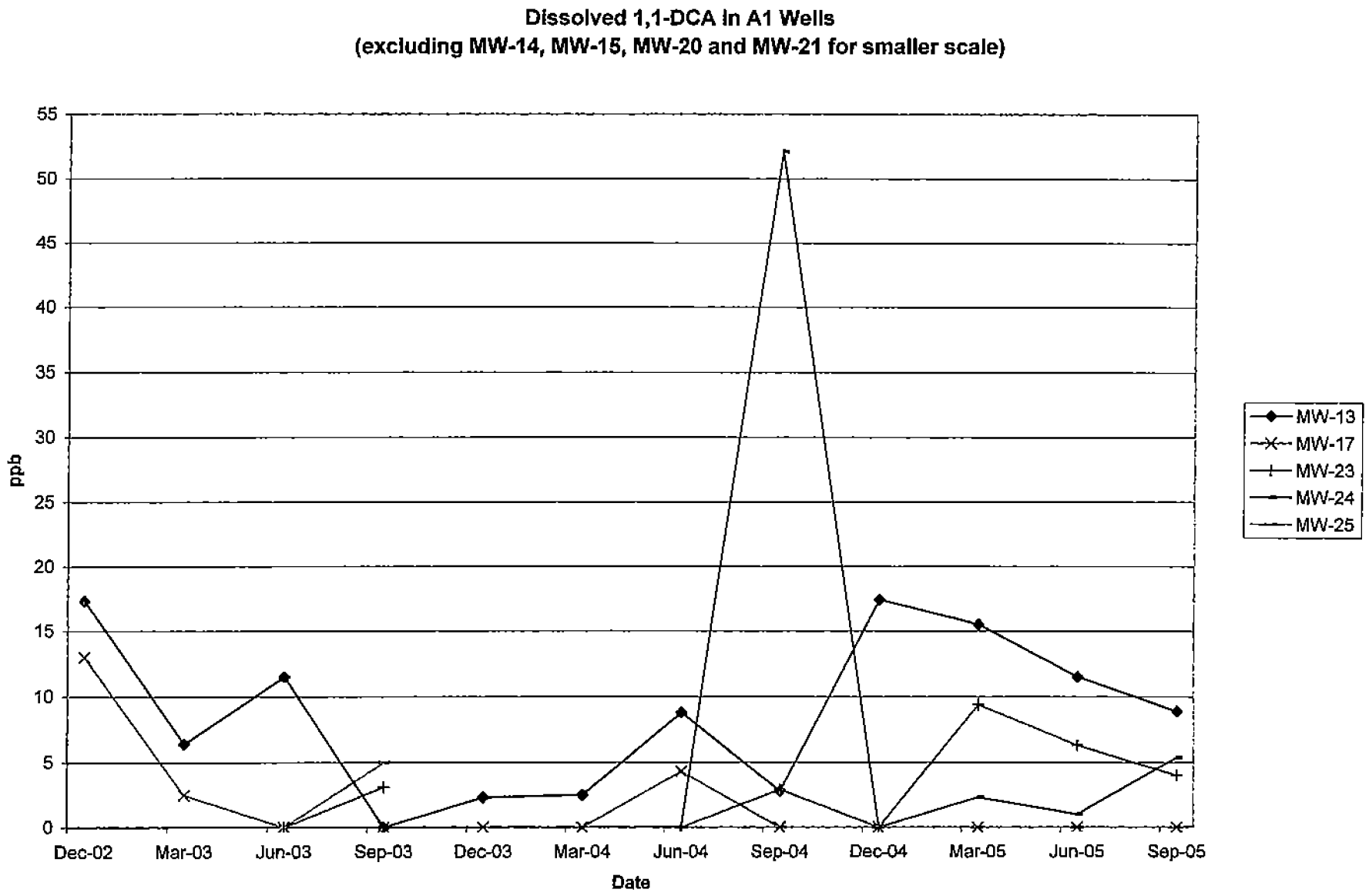

Dissolved 1,4-Dioxane in A1 Wells
800
700
600
500
400
300
200
100
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

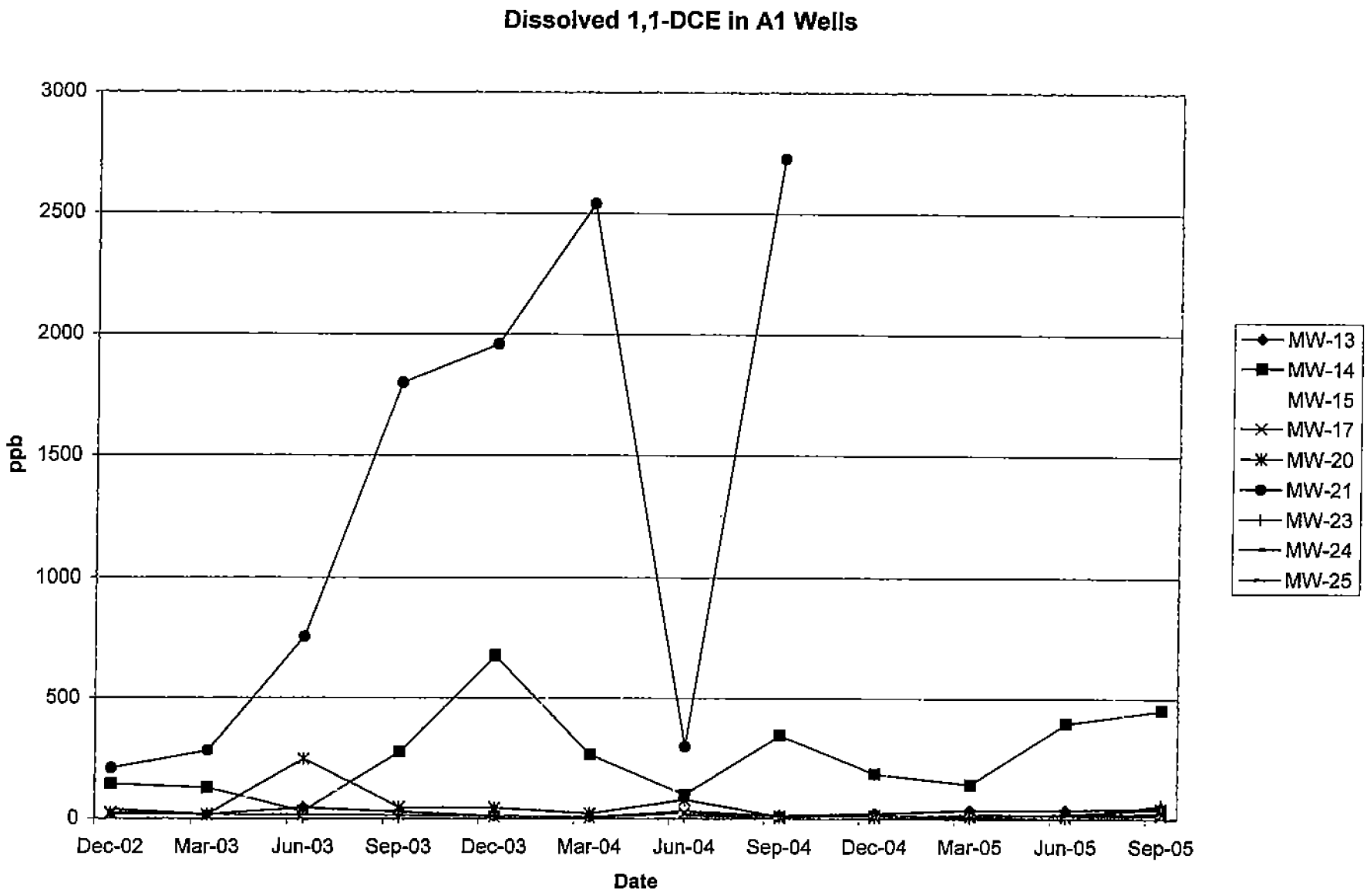

Dissolved 1,4-Dioxane in A1 Wells
(excluding MW-21 for smaller scale)
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-23
MW-24
MW-25

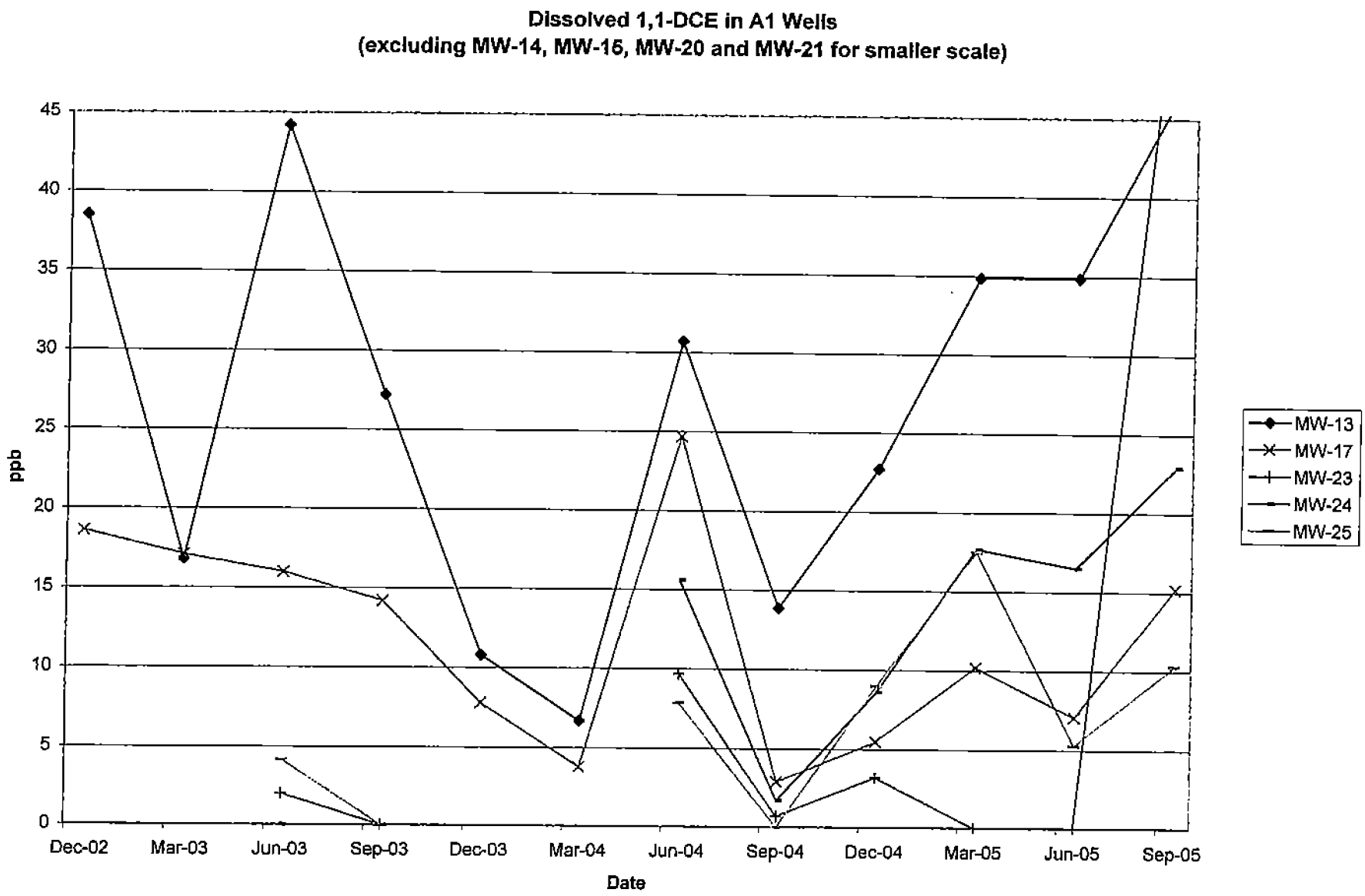

Dissolved 1,1-DCA in 1st Water Wells
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8

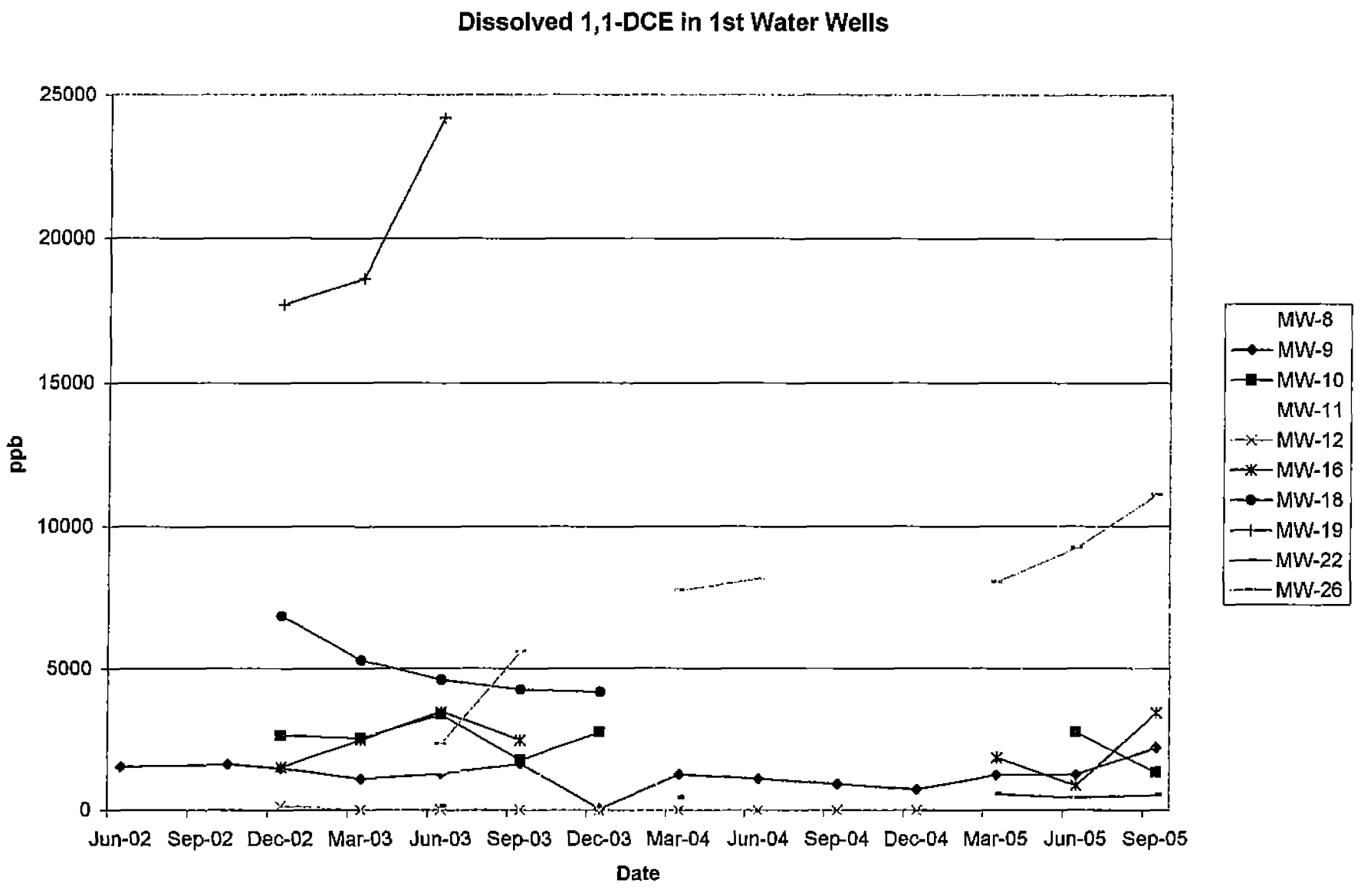

Dissolved 1,1-DCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18 and MW-19 for smaller scale)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-12
MW-16
MW-22
MW-26

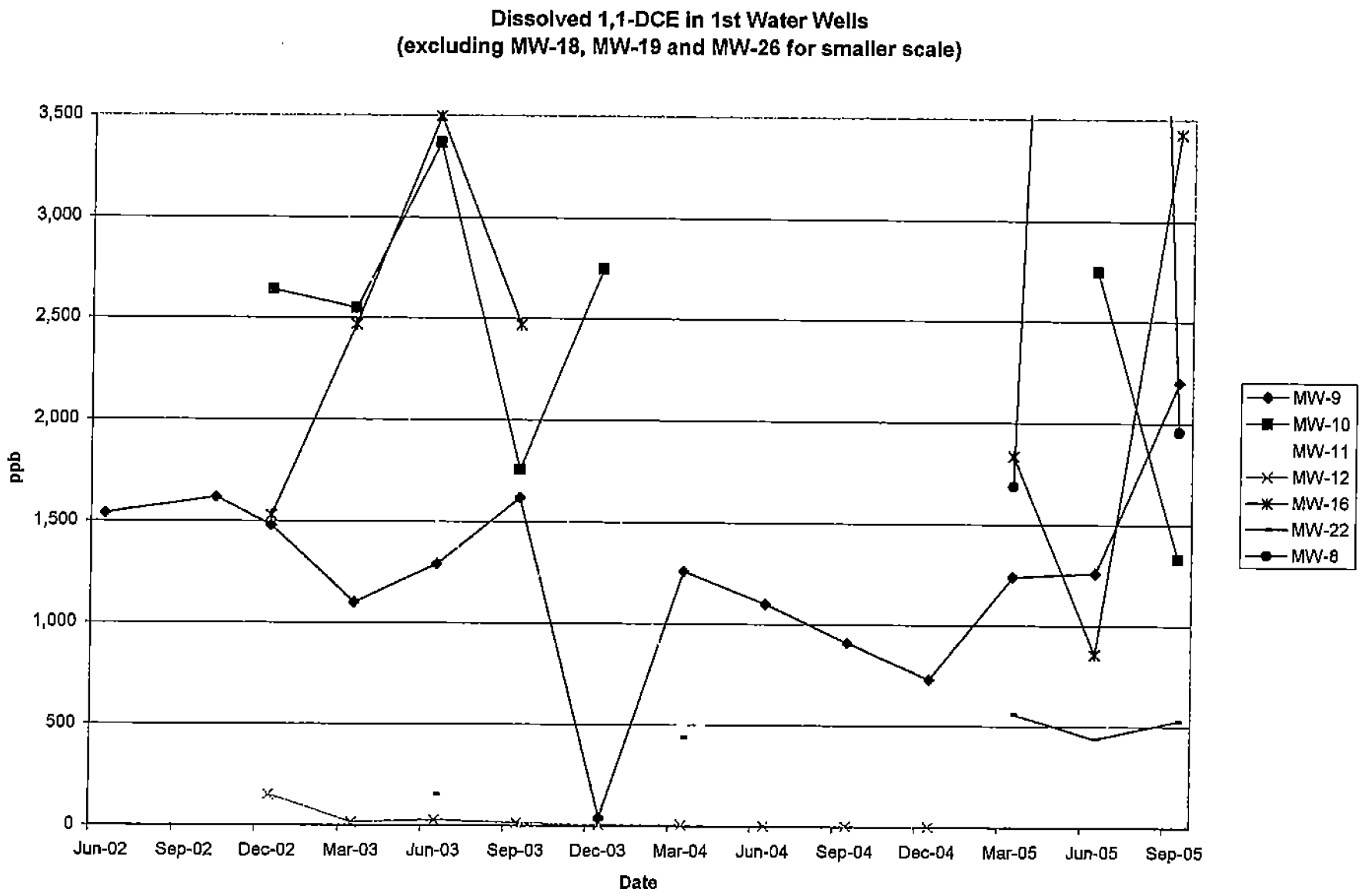

Dissolved 1,1-DCA in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

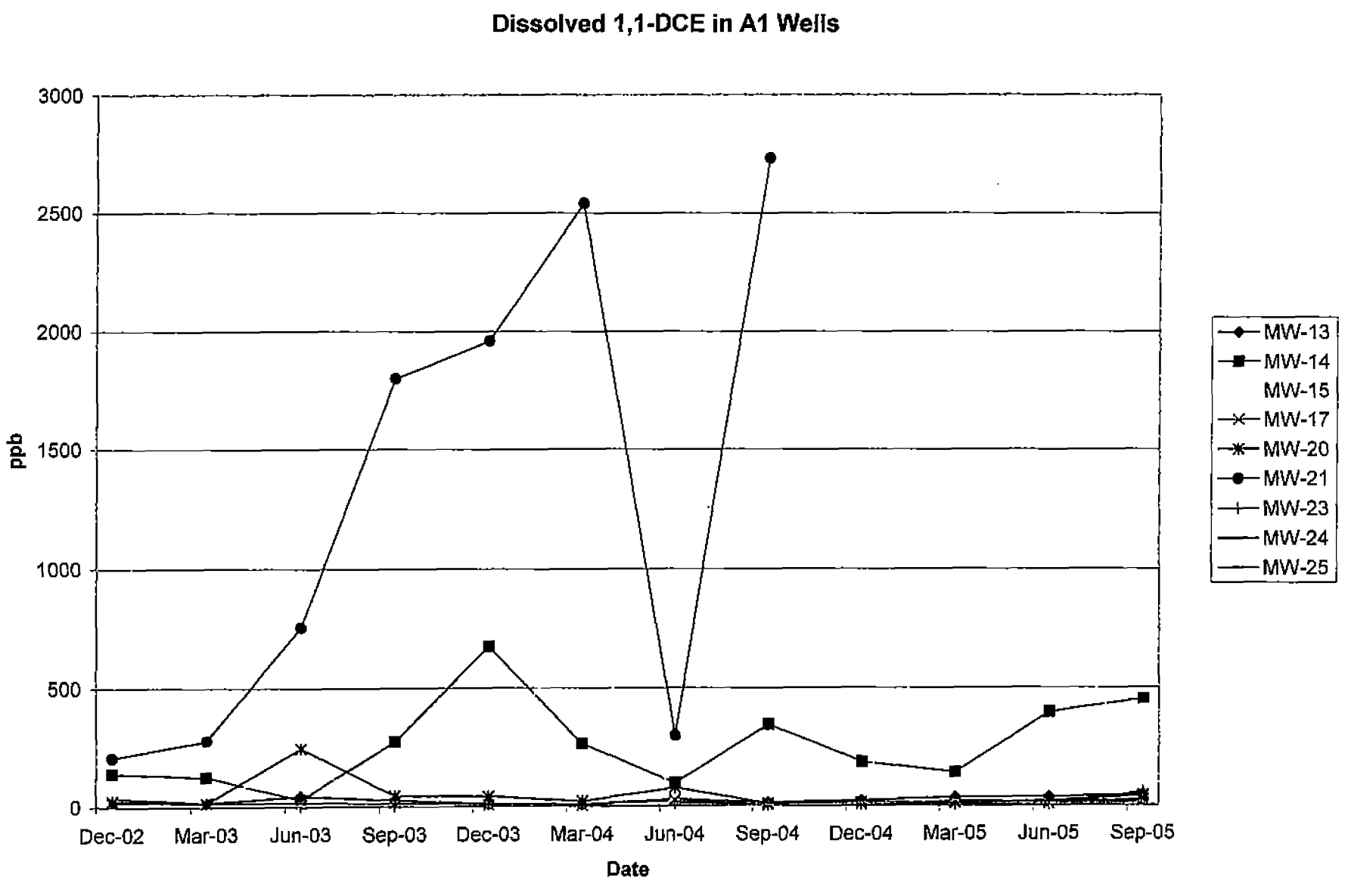

Dissolved 1,1-DCA in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
ppb
55
50
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-23
MW-24
MW-25

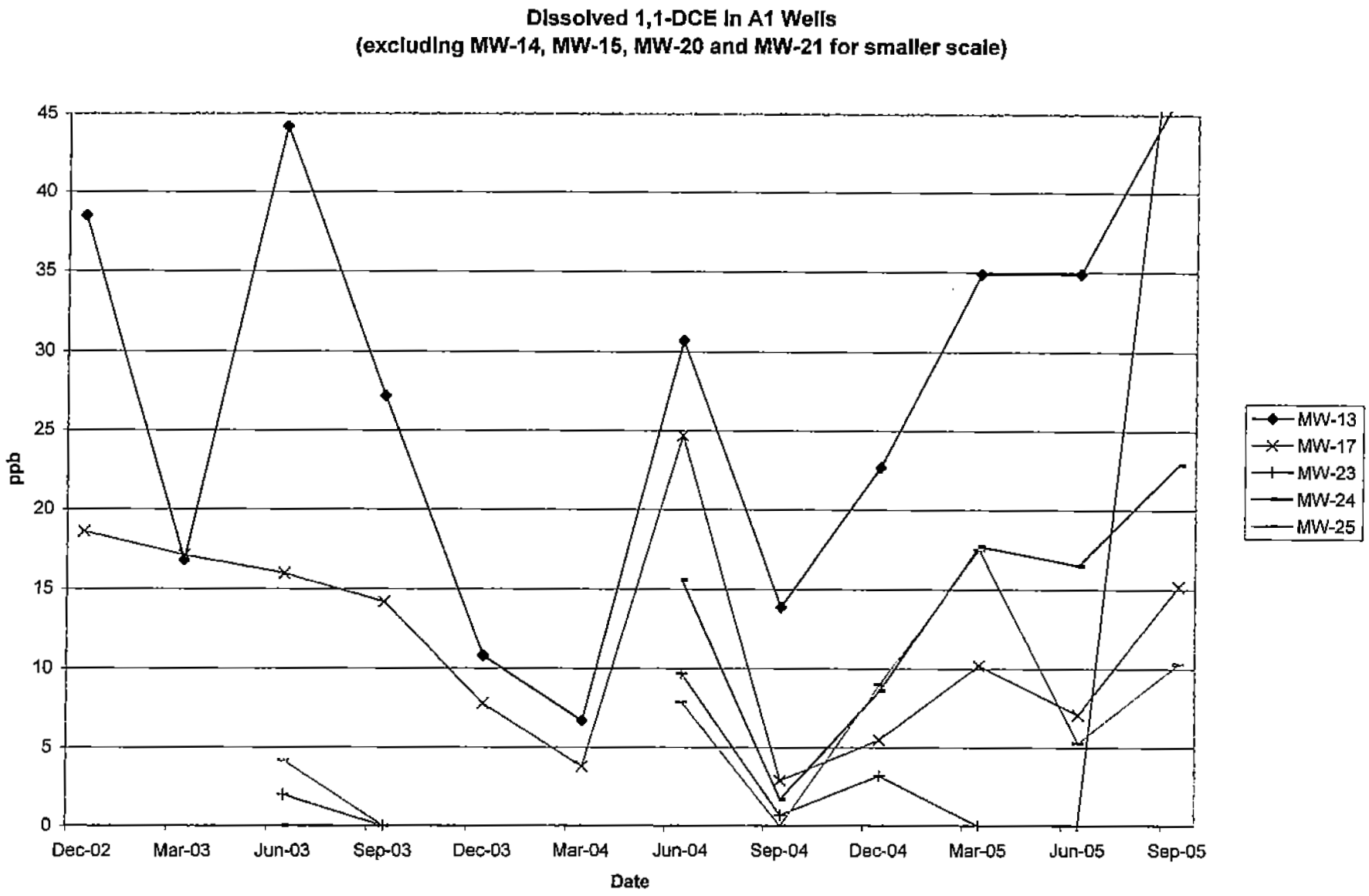

Dissolved 1,1-DCE in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

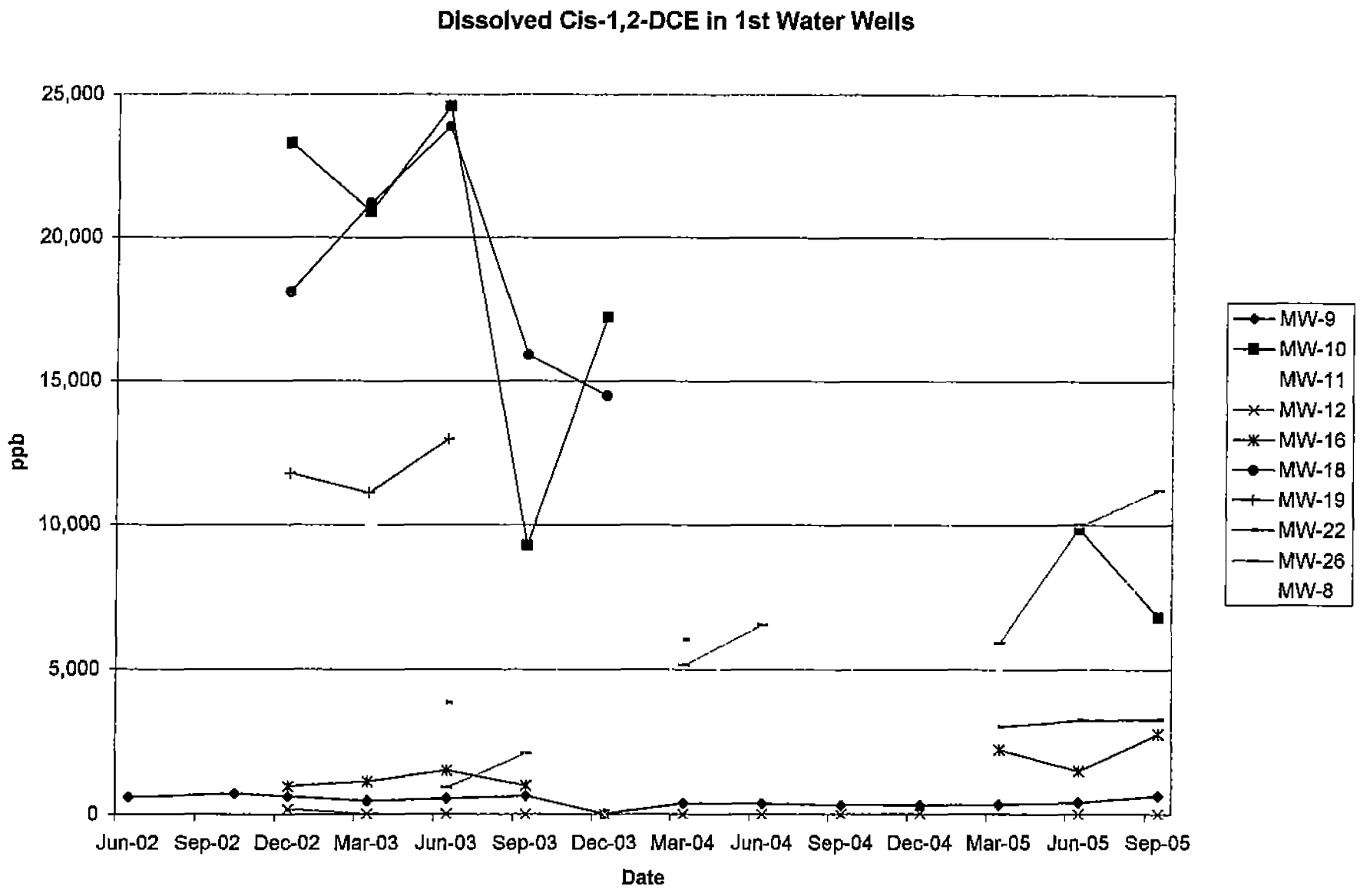

Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
ppb
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-23
MW-24
MW-25

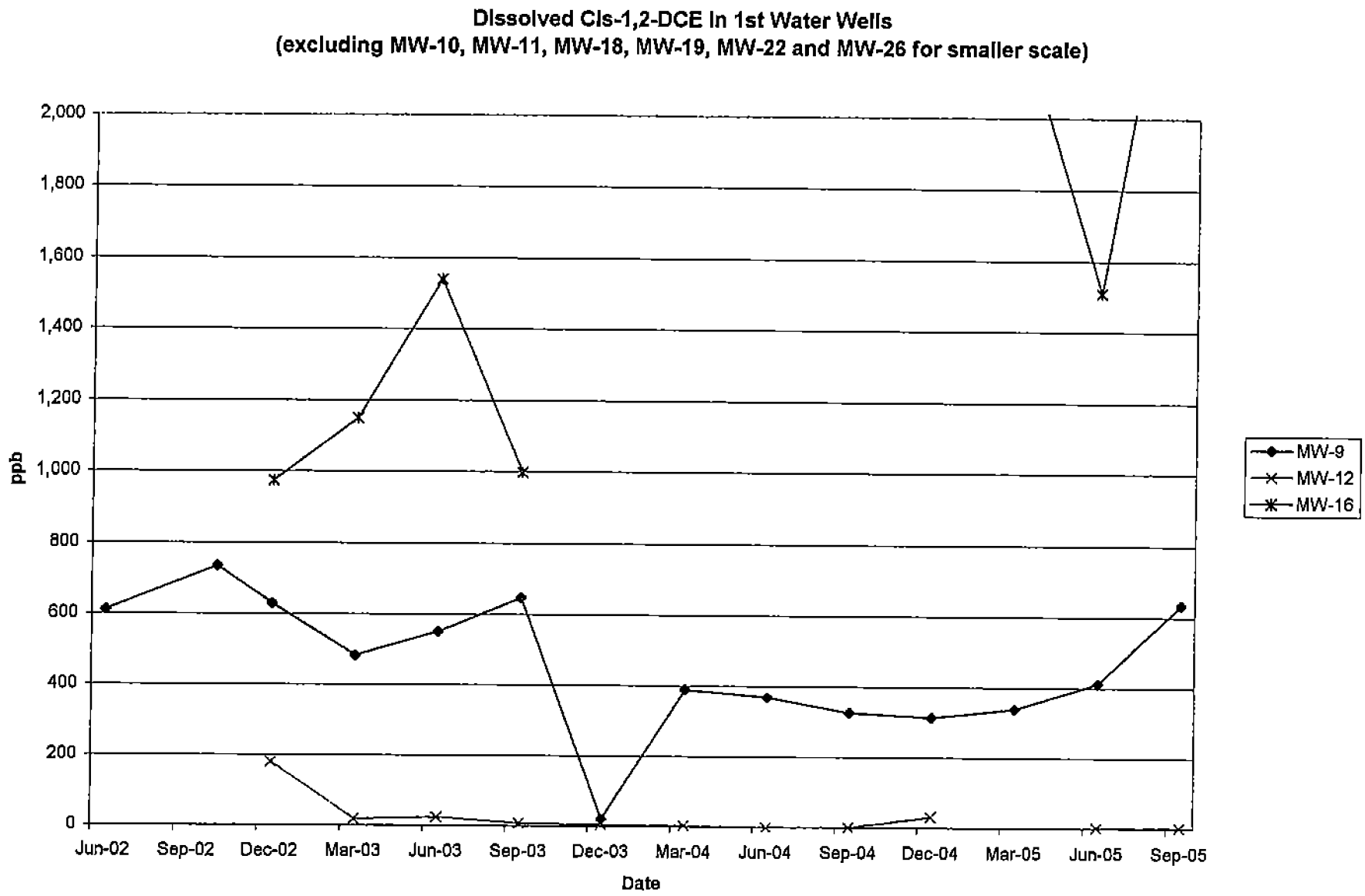

Dissolved 1,1-DCE in 1st Water Wells
25000
20000
15000
10000
5000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-8
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

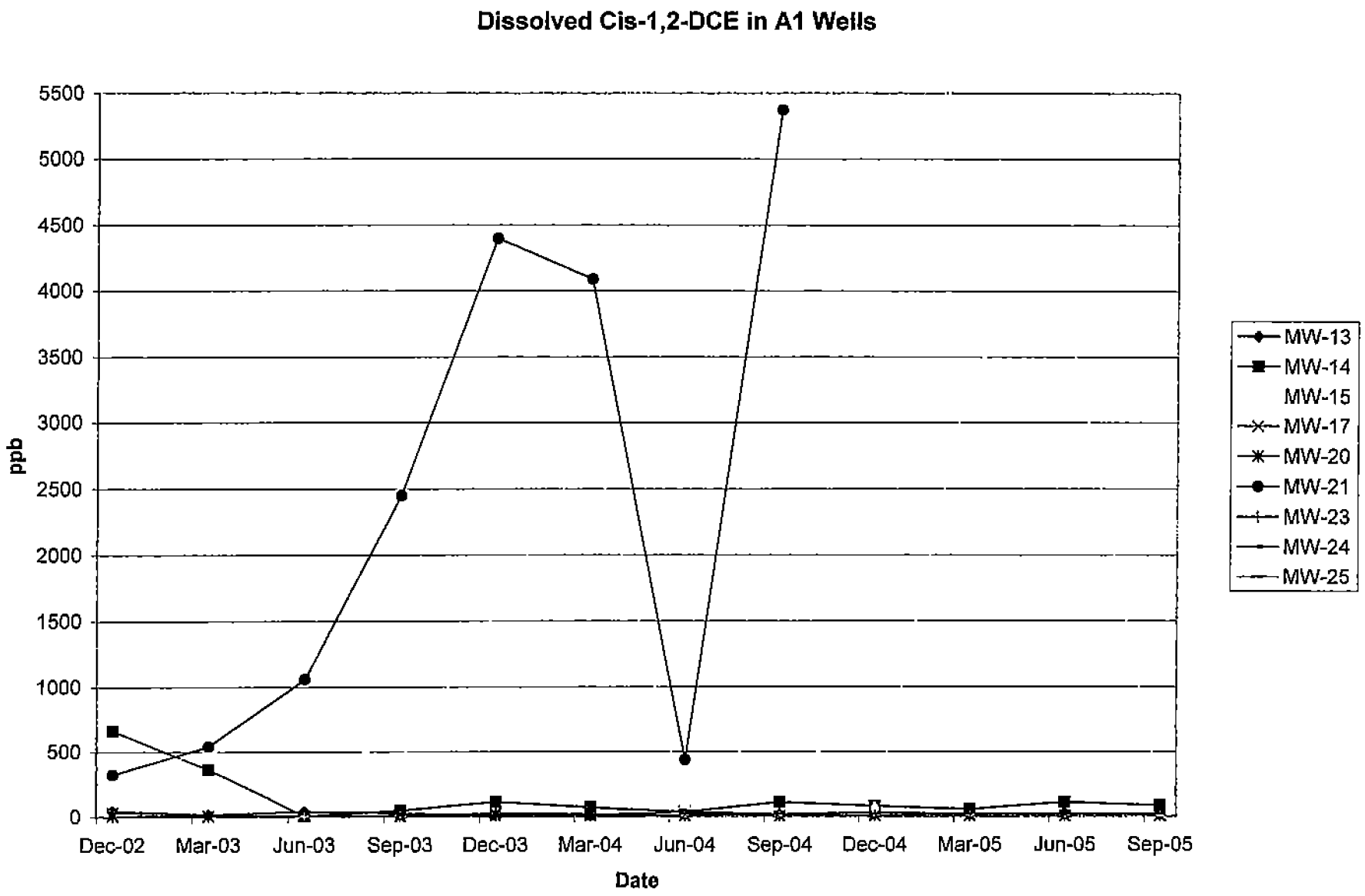

Dissolved 1,1-DCE in 1st Water Wells
(excluding MW-18, MW-19 and MW-26 for smaller scale)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-22
MW-8

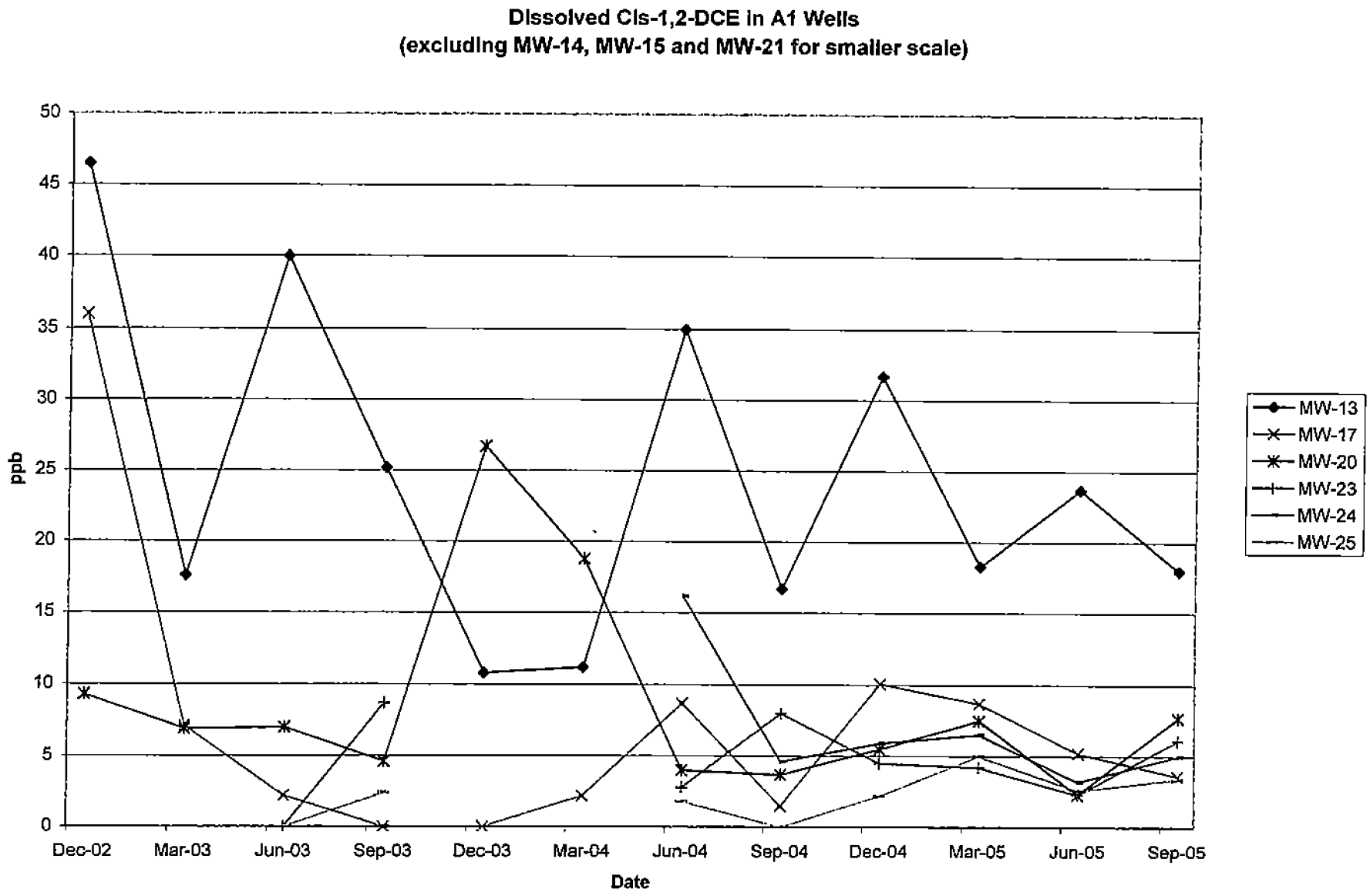

Dissolved 1,1-DCE in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

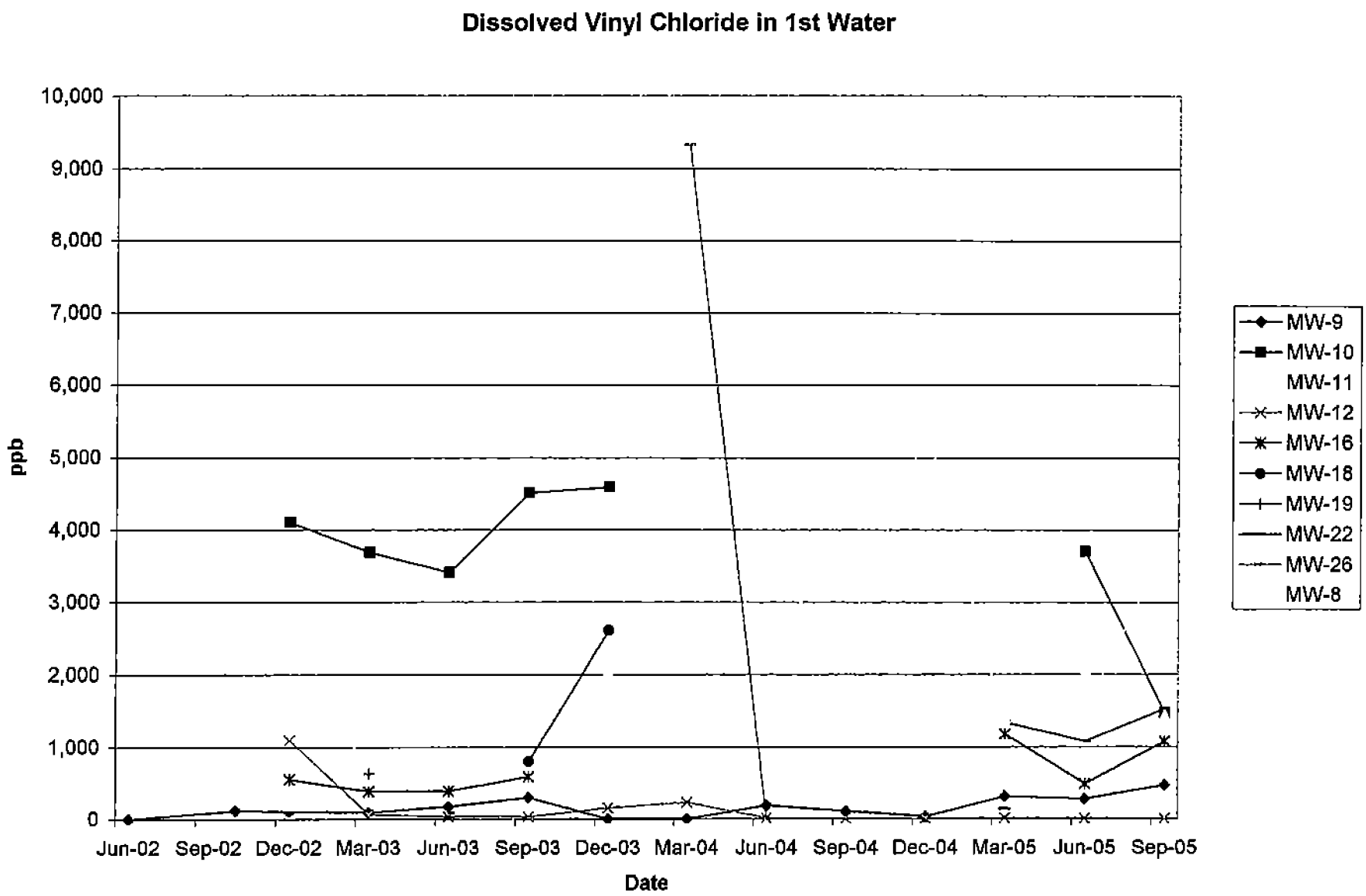

Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
ppb
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-23
MW-24
MW-25

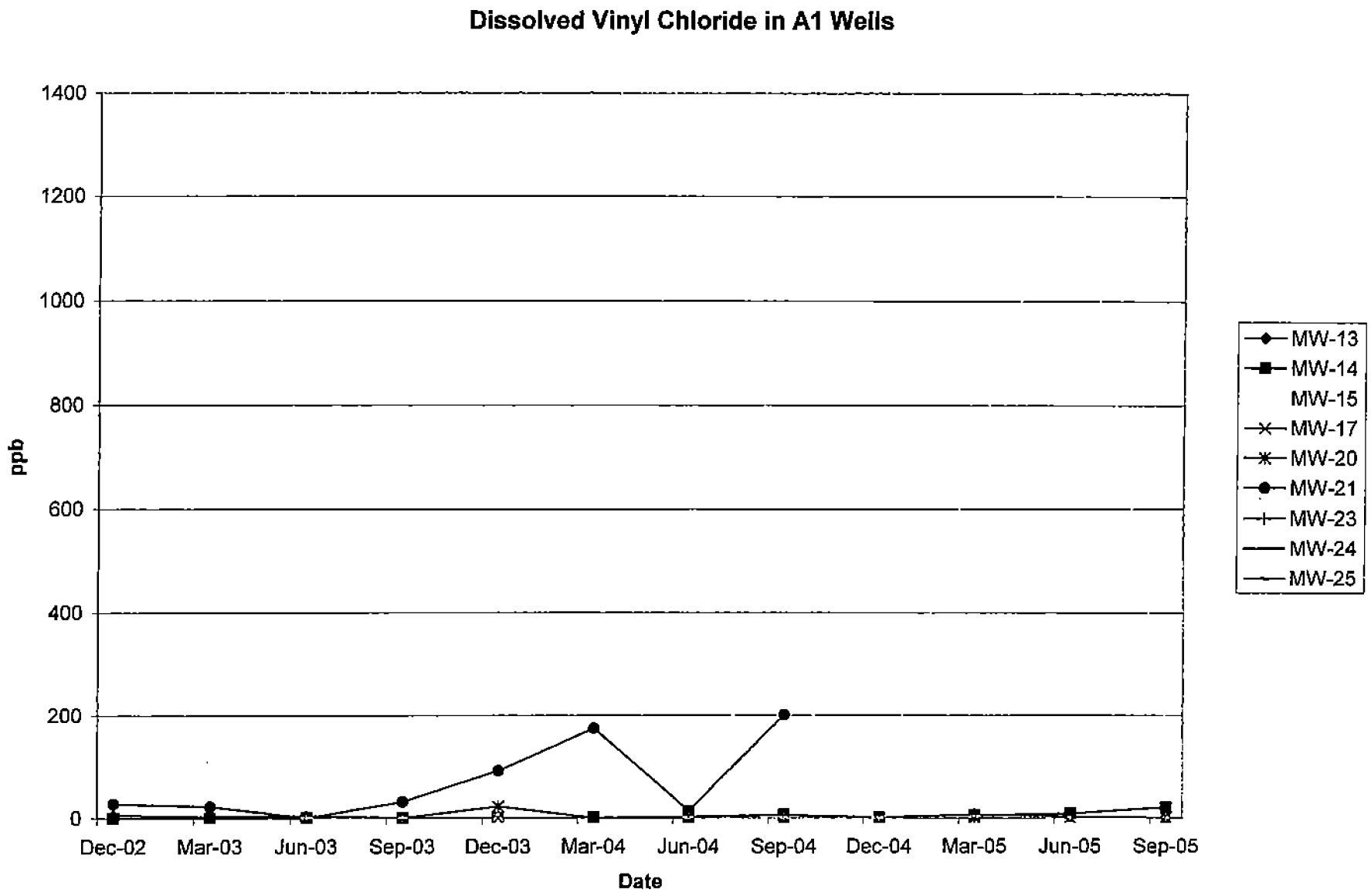

Dissolved Cis-1,2-DCE in 1st Water Wells
25,000
20,000
15,000
10,000
5,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8

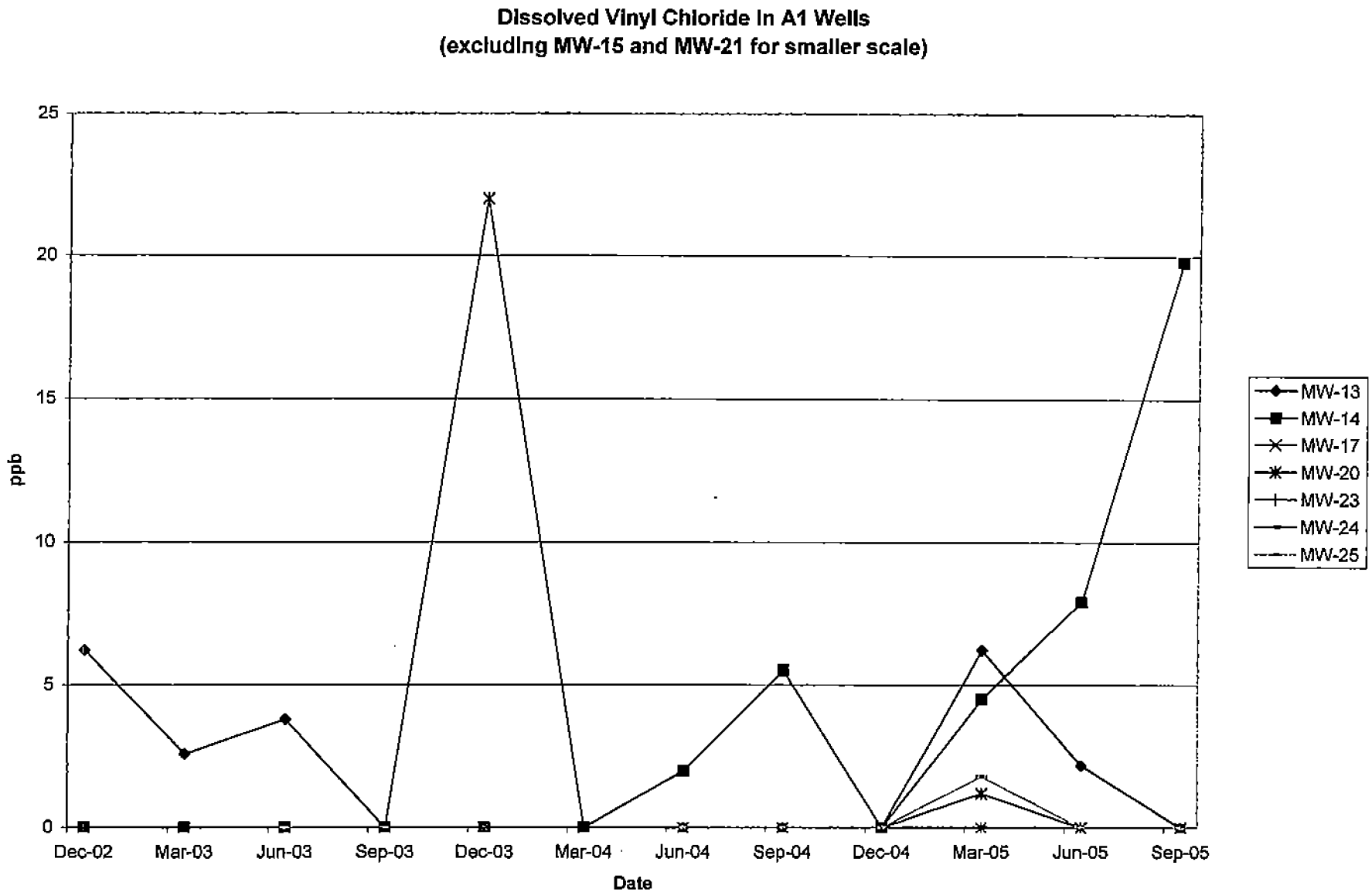

Dissolved Cis-1,2-DCE in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19, MW-22 and MW-26 for smaller scale)
ppb
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-12
MW-16

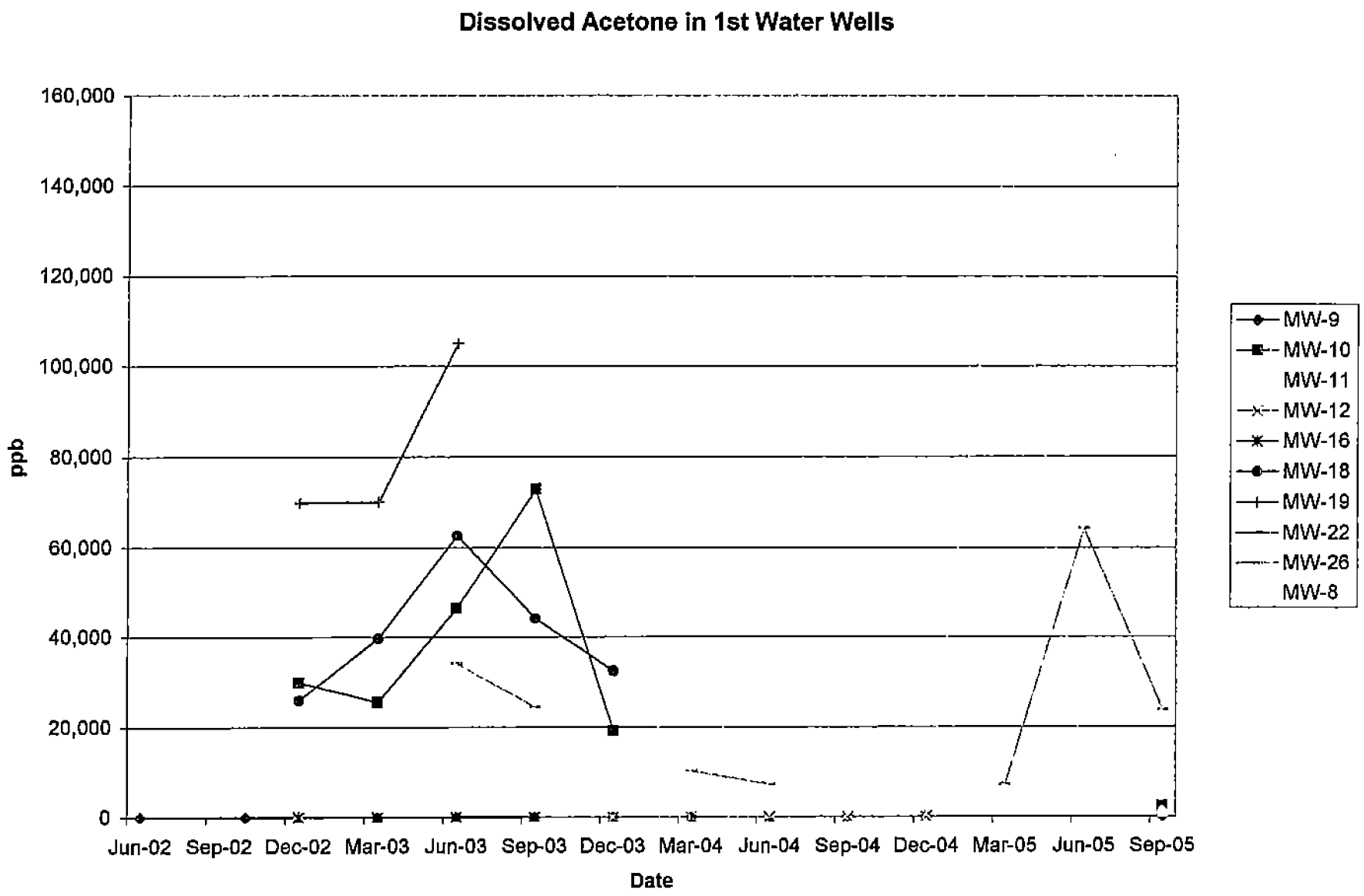

Dissolved Cis-1,2-DCE in A1 Wells
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

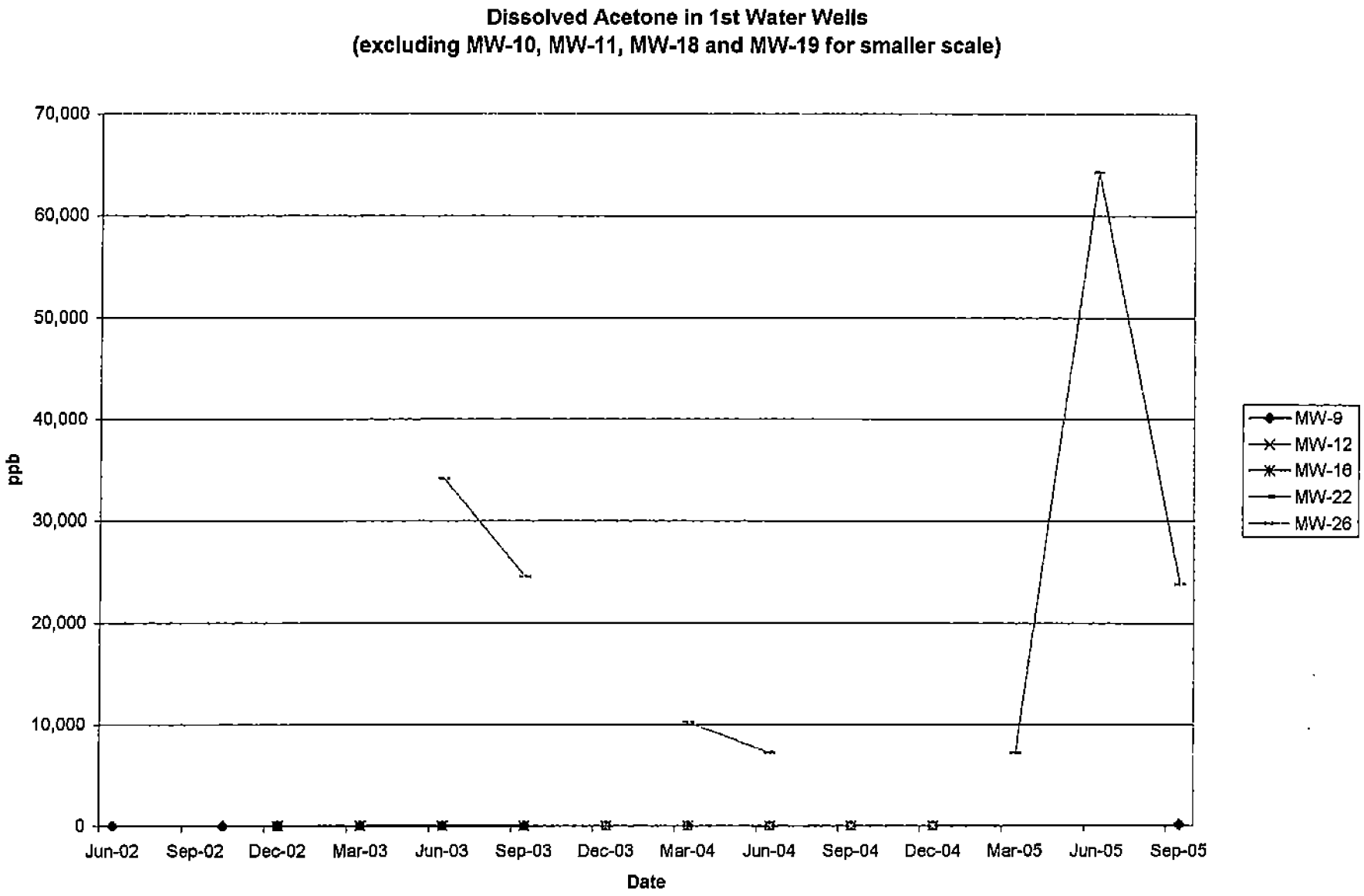

Dissolved Cis-1,2-DCE in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
ppb
50
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25

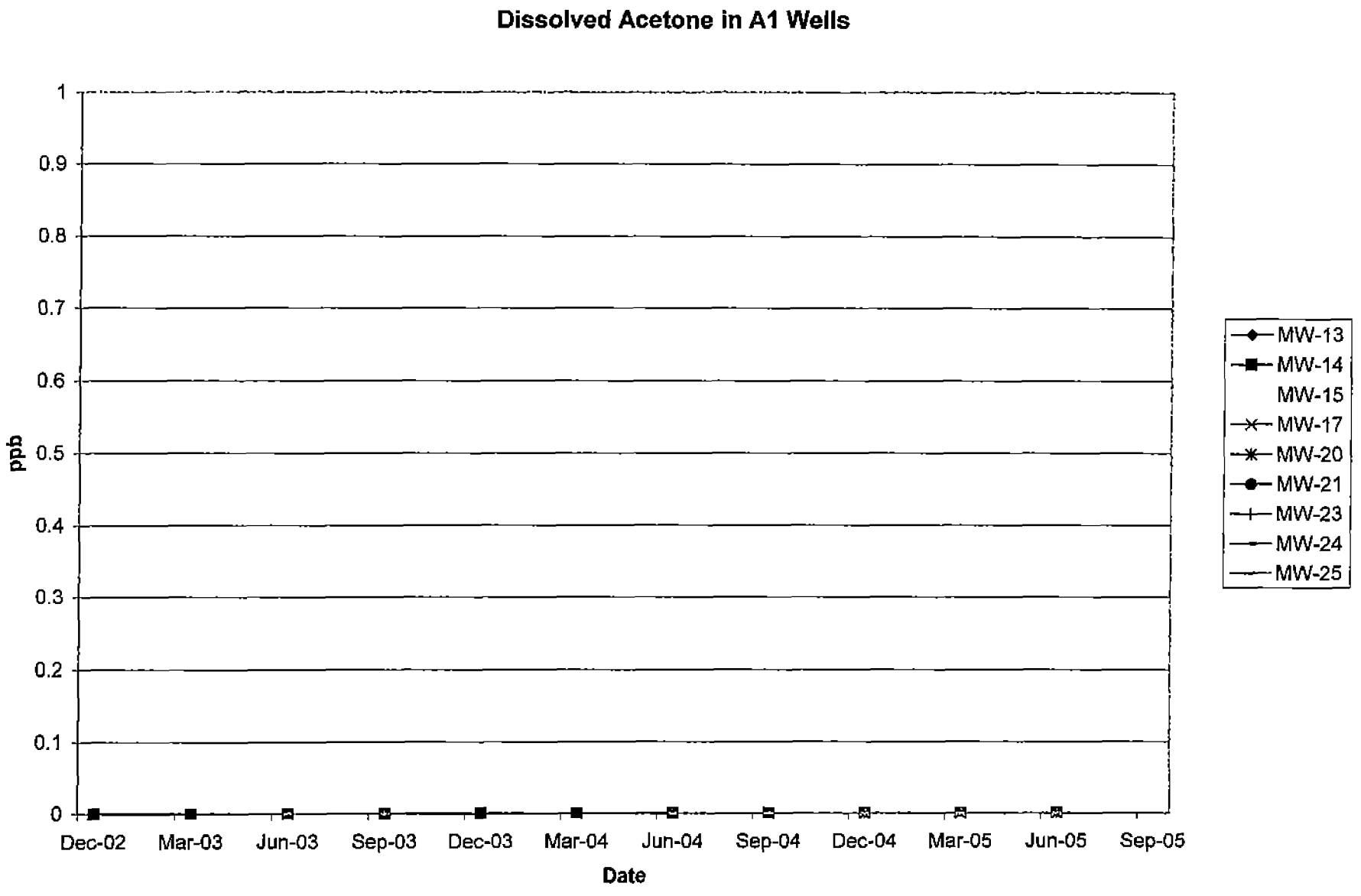

Dissolved Vinyl Chloride in 1st Water
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8

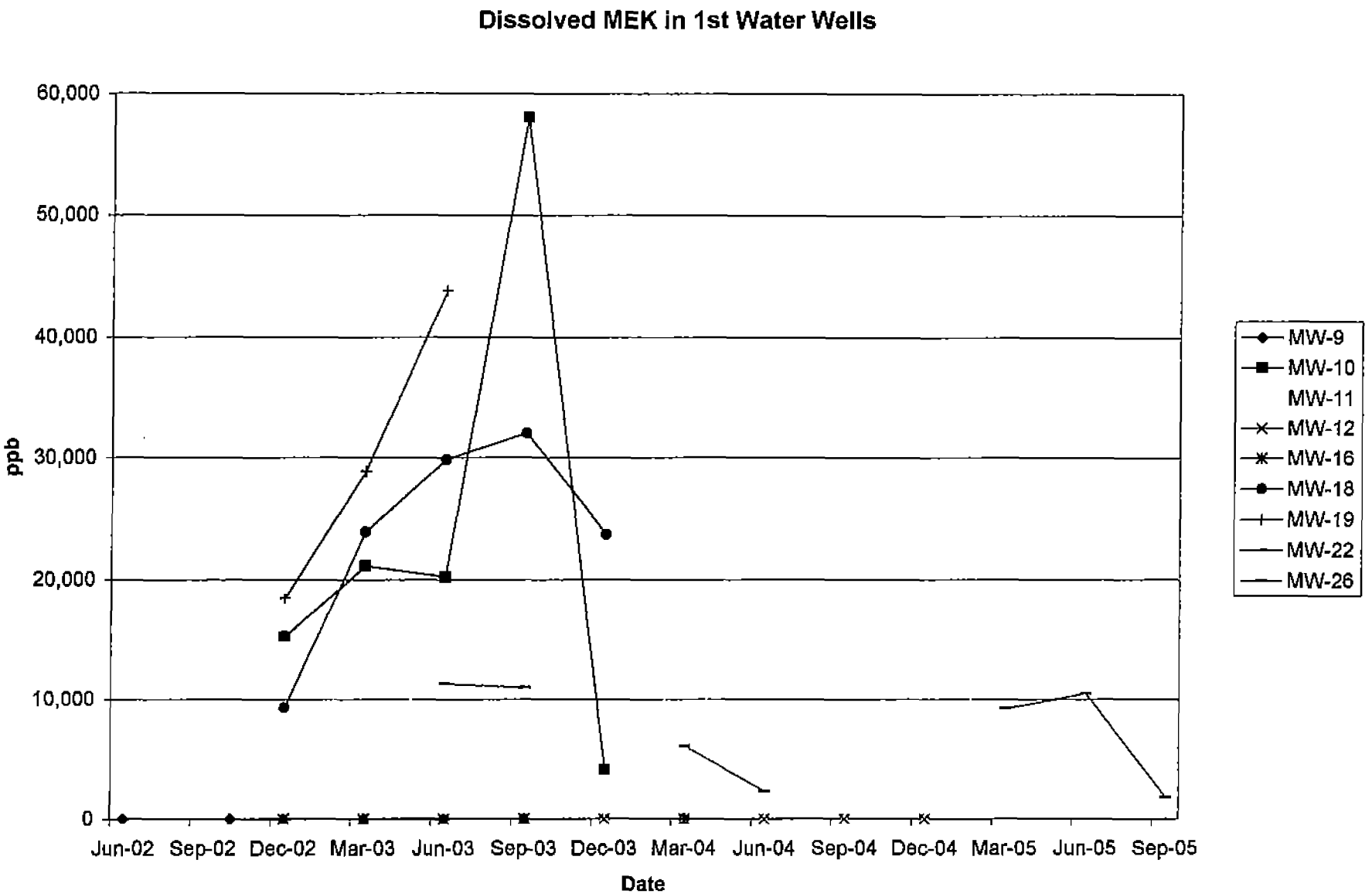

Dissolved Vinyl Chloride in A1 Wells
1400
1200
1000
800
600
400
200
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

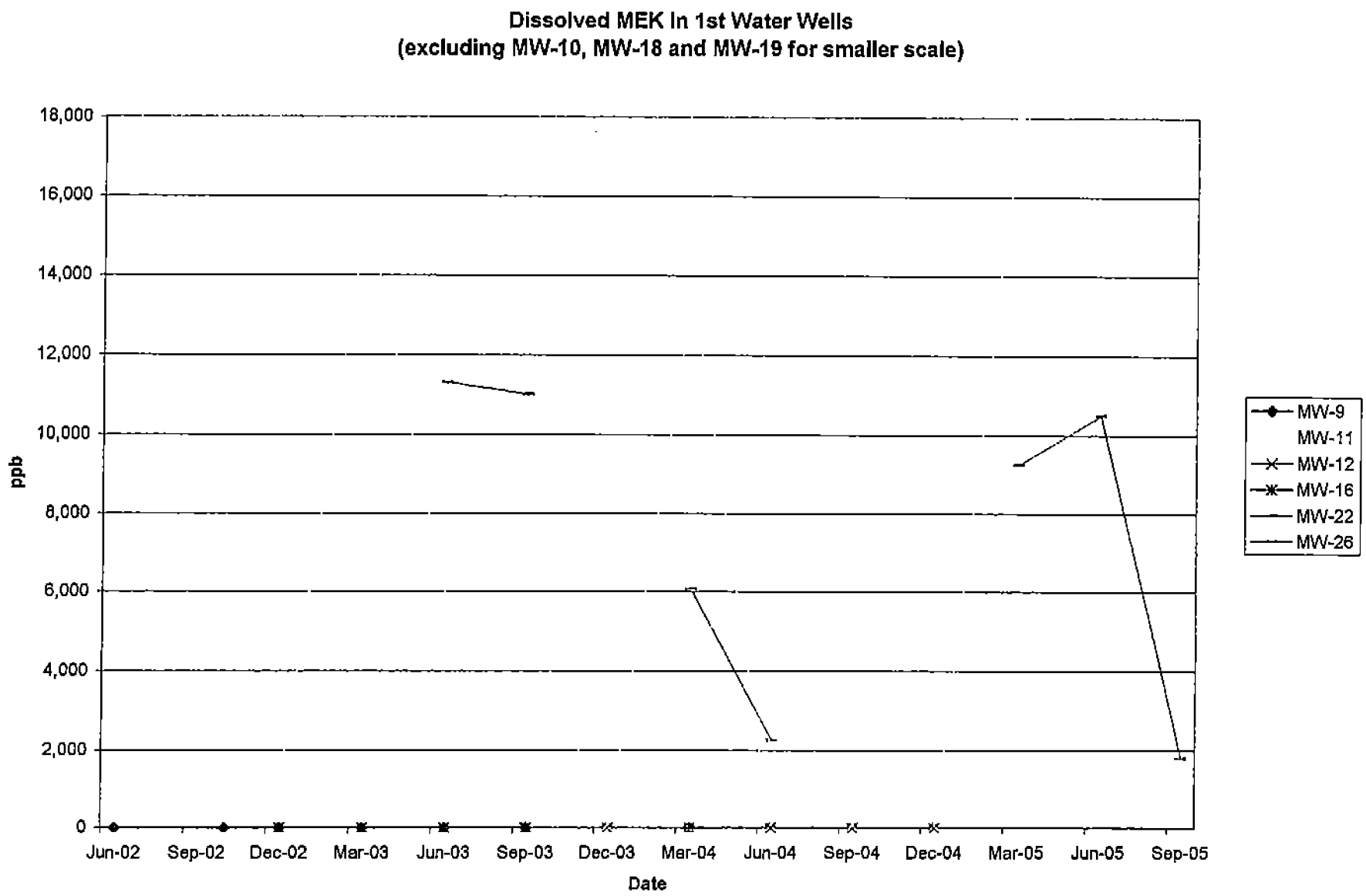

Dissolved Vinyl Chloride In A1 Wells
(excluding MW-15 and MW-21 for smaller scale)
25
20
15
10
5
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-13
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

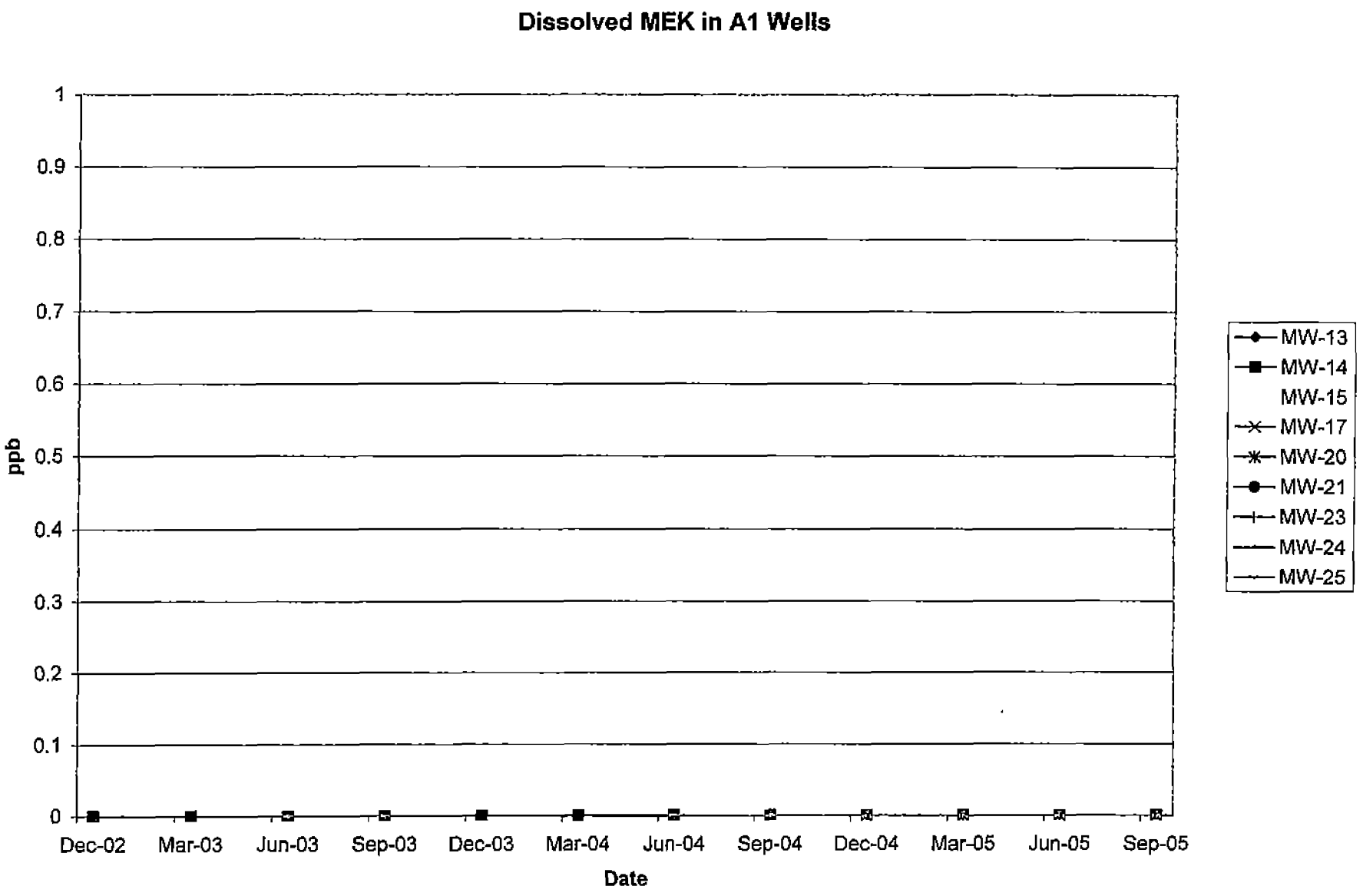

Dissolved Acetone in 1st Water Wells
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26
MW-8


Dissolved Acetone in 1st Water Wells
(excluding MW-10, MW-11, MW-18 and MW-19 for smaller scale)
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
Date
MW-9
MW-12
MW-16
MW-22
MW-26


Dissolved Acetone 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
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


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
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26


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
Date
MW-9
MW-11
MW-12
MW-16
MW-22
MW-26


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
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

APPENDIX C

Southland Technical Services, Inc.
Environmental Laboratories

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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

Reporting Unit: ppb

DATE ANALYZED			09-21	09-21-05	09-21-05	09-21-05	09-21-05	09-21-05	09-21-05
DILUTION FACTOR				100	10	250	100	1	1
LAB SAMPLE I.D.				BL509112-1	BL509112-2	BL509112-3	BL509112-4	BL509112-5	BL509112-6
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	3,760	470	1,470	1,440	8.8	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	1,040 J	2,700	18.8	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND	9.9
1,1-Dichloroethene	2	5	ND	1,960	2,200	1,530	911	ND	46.7
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	45,000*	2,570	46,600	45,200*	63.4	8.9
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	9,740*	636	6,800	9,240	3.0J	18.0
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	4.2J
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	527	ND	1,040J	ND	ND	2.3J
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	428	41.7	ND	611	ND	ND
Trichloroethene	2	2	ND	ND	114	ND	ND	2.2	120
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	197	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	109J	13.5J	ND	ND	49.0	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Southland Technical Services, Inc.
Environmental Laboratories

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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

		DATE ANALYZED	09-21	09-21-05	09-21-05	09-21-05	09-21-05	09-21-05	09-21-05
		DILUTION FACTOR	1	1	1	50	100	1	1
		LAB SAMPLE I.D.	BL509112-13	BL509112-14	BL509112-15	BL509112-16	BL509112-17	BL509112-18	BL509112-19
		CLIENT SAMPLE I.D.	MW-23@73.5	MW-24@69.5	MW-25@73.5	MW-26	DB-1	EB-1	TB-1
COMPOUND	MDL	PQL							
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	ND	ND	ND	1,430	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	2,730	ND	ND
Trichlorofluoromethane	2	5	6.2	18.6	10.4	135 J	ND	ND	ND
1,1-Dichloroethene	2	5	57.3	22.9	10.3	11,100	1,040	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	8,500	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	4.0	5.4	ND	2,230	50,900	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	6.1	5.0	3.4	11,200	9,040	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	3.4 J	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	3,980	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	ND	ND	150	556	ND	ND
Trichloroethene	2	2	50.1	100	63.8	2,540	ND	ND	ND
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	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-19-2005
Matrix:	Water	Date Received:	09-19-2005
Batch No.:	0923-BNA	Date Analyzed:	09-23-2005

Modified EPA 8260C (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	100	200
MW-12	BL509112-5	ND	2	3.0
MW-13	BL509112-6	4.48	2	3.0
MW-17	BL509112-10	2.12	2	3.0
MW-20	BL509112-11	40.2	2	3.0

ND: Not Detected (at the specified limit)

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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	TB-1
Toluene	1	1	ND	ND	ND	15,400	10,200	ND	ND
Tetrachloroethene	2	2	124	52.1	63.7	1,070	ND	ND	ND
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	ND	ND	1,950	1,420	ND	ND
Total Xylenes	2	2	ND	ND	ND	5,550	4,540	ND	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	ND	ND	ND	272 J	ND	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	ND	ND	ND	1,020	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	332	3,370	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	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	ND	ND	ND	363 J	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	23,800	1,180 J	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	1,800	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	4,190	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	ND	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

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

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-19-2005
Matrix:	Water	Date Received:	09-19-2005

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Unit	MW-8	MW-9	MW-10	MW-11	MW-12	Reporting Limit
				BL509112-1	BL509112-2	BL509112-3	BL509112-4	BL509112-5	
Ethylene	GC/FID	09-20-05	ug/L	381	ND	143	916	ND	5
TDS	160.1	09-21-05	mg/L	796	1,780	729	825	659	2
Nitrate	352.1	09-20-05	mg/L	2.7	5.2	3.5	8.96	2.8	0.01
Sulfate	375.4	09-20-05	mg/L	9.01	119	5.6	ND	48.7	1.0
Total Iron	7380	09-21-05	mg/L	1.7	ND	2.2	7.5	1.4	0.1
Manganese	7460	09-21-05	mg/L	3.33	0.40	3.95	7.94	3.36	0.05
Ferrous Iron	Colori-metry	09-20-05	mg/L	0.23	ND	0.21	0.42	0.14	0.05

Analyte	EPA Method	Date Analyzed	Unit	MW-13	MW-14	MW-15	MW-17	MW-20	Reporting Limit
				BL509112-6	BL509112-7	BL509112-8	BL509112-10	BL509112-11	
Ethylene	GC/FID	09-20-05	ug/L	ND	ND	34	ND	ND	5
TDS	160.1	09-21-05	mg/L	1,060	1,230	1,200	1,200	1,210	2
Nitrate	352.1	09-20-05	mg/L	21.6	22.2	18.3	14.9	21.8	0.01
Sulfate	375.4	09-20-05	mg/L	84.7	83.9	85.8	71.3	69.1	1.0
Total Iron	7380	09-21-05	mg/L	ND	ND	0.3	ND	ND	0.1
Manganese	7460	09-21-05	mg/L	0.16	0.37	0.74	0.06	0.30	0.05
Ferrous Iron	Colori-metry	09-20-05	mg/L	0.10	0.10	0.07	0.07	0.09	0.05

ND: Not Detected (at the specified limit).

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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	MW-22
Toluene	1	1	204	27.5	29.4	ND	ND	34.2
Tetrachloroethene	2	2	64.8	89.6	369	76.8	35.3	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	46.6	1.8	221	ND	ND	ND
Total Xylenes	2	2	277	5.8	126	ND	ND	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	6.6J	ND	48.2J	ND	ND	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	24.1	ND	252	ND	ND	ND
tert-Butylbenzene	2	5	11.6	ND	315	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	74.5	ND	2,120	ND	ND	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	168	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
Napnthalene	2	5	4.7J	ND	594	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	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	701	39.7 J	13,500	ND	37 J	576J
MTBE	2	2	16.9	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

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

09-30-2005

EPA 8015M
Batch QA/QC Report

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	H509111-1
Batch No:	CMI21-GW1	Date Analyzed:	09-21-2005

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	772	966	77.2	96.6	22.3	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	993	1,000	99.3	80-120

ND: Not Detected (at the specified limit)

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Batch QA/QC Report

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST0923-1
Batch No.:	0923-BNA	Date Analyzed:	09-23-2005

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	20.0	18.03	18.49	90.2	92.5	2.5	30	70-130

ND:Not Detected

09-30-2005

Ethylene by GC/FID
Batch QA/QC Report

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	BL509112-4
Batch No.:	FI20A	Date Analyzed:	09-20-2005

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

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	%RPD Accept. Limit
Ethylene	ND	381	389	2.1	30

II. LCS Result
Reporting Units: µg/L

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limi
Ethylene	4,550	4,170	109.1	80-120

ND: Not Detected.

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Page ___ of ___

Lab Job Number: SL 509112

Client: Clean Soil

Address: Po Box 1180, Lomita, CA 90717

Report Attention: Mark | Phone: 310-753-5770 | Fax: 310-833-3349 | Sampled by: Blaine / Mark

Project Name/No.: Angeles | Project Site: 8915 Sorensen Ave, Santa Fe Springs

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.)	8270 (1,4-dioxane)	DOC, TOC, TDS	Chloride, Sulfate, Sulfide, Nitrate, Alkalinity	Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethane	Remarks
MW 20	SL 509112-11	9.19.05	11:25	Water	HCl	3V 2G 3P		X		X			X	X	X	X	X	X	If ND for
MW 13	-6		11:26			3V 2G 3P		X		X			X	X	X	X	X	X	1,4-dioxane
MW 15	-8		12:20			3V 2G 3P		X		X				X	X	X	X	X	on MW-8,
MW 17	-10		12:20					X		X			X	X	X	X	X	X	MW-14, or
MW 12	-5		13:06			3V 2G 3P		X		X			X	X	X	X	X	X	MW-15,
MW 14	-7		13:06			3V 2G 3P		X		X				X	X	X	X	X	please run
MW 22	-12		13:20			3V				X									8270C
MW 25@73.5	-[illegible]		14:15			2V				X									for 1,4-dioxane
MW 24@69.5	-[illegible]		14:25			2V				X									
MW 23@78.5	-13		15:48			2V				X									
MW 16	-9		1701			3V				X									
MW 11	-4		1600			3V 1G 3P		X		X				X	X	X	X	X	
MW 26	-[illegible]		14:25					[illegible]		X									
MW [illegible] 9	-2		1620					X	[illegible]	X				X	X	X	X	X	
MW 10	-3		1650					X		X			[illegible]	[illegible]	X	X	X	X	
MW 8	-1		1720							X			[illegible]	[illegible]	X	X	X	X	

Relinquished by	Company	Date	Time	Received by	Company
[signature]	Clean Soil Systems	9/19/05	5:40	[signature]	STC
Relinquished by	Company	Date	Time	Received by	Company

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

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-19-2005
Matrix:	Water	Date Received:	09-19-2005
Batch No.:	0923-BNA	Date Analyzed:	09-23-2005

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-12	BL509112-5	ND	2	3.0
MW-13	BL509112-6	9	2	3.0
MW-17	BL509112-10	2	2	3.0
MW-20	BL509112-11	40.2	2	3.0

ND: Not Detected (at the specified limit)

09-30-2005

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-19-2005
Matrix:	Water	Date Received:	09-19-2005
Batch No.:	CMI21-GW1	Date Analyzed:	09-21-2005

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	BL509112-1	52,000	50	50
MW-9	BL509112-2	3,390	50	50
MW-10	BL509112-3	144,000	50	50
MW-11	BL509112-4	991,000	50	50
MW-12	BL509112-5	1,540	50	50
MW-13	BL509112-6	155	50	50
MW-14	BL509112-7	1,250	50	50
MW-15	BL509112-8	293	50	50
MW-16	BL509112-9	45,700	50	50
MW-17	BL509112-10	97.9	50	50
MW-20	BL509112-11	111	50	50
MW-22	BL509112-12	2,700	50	50
MW-23@73.5	BL509112-13	153	50	50
MW-24@69.5	BL509112-14	150	50	50
MW-25@73.5	BL509112-15	113	50	50
MW-26	BL509112-16	40,300	50	50
DB-1	BL509112-17	943,000	50	50
EB-1	BL509112-18	ND	50	50
TB-1	BL509112-19	ND	50	50

PQL: Practical Quantitation Limit.

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

EPA 8260B
Batch QA/QC Report

Client:	Clean Soils Inc.	Lab Job No.:	BL509112
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	H509111-1
Batch No:	0921-VOAW1	Date Analyzed:	09-21-2005

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.2	20.6	81.0	103.0	23.9	30	70-130
Benzene	ND	20	21.4	23.2	107.0	116.0	8.1	30	70-130
Trichloro-ethene	ND	20	19.5	21.1	97.5	105.5	7.9	30	70-130
Toluene	ND	20	20.4	21.9	102.0	109.5	7.1	30	70-130
Chlorobenzene	ND	20	20.5	23.2	102.5	116.0	12.4	30	70-130

II. LCS Result
Unit: ppb

Compound	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	40.3	50	80.6	80-120
Benzene	54.4	50	108.8	80-120
Trichloro-ethene	41.5	50	83.0	80-120
Toluene	51.9	50	103.8	80-120
Chlorobenzene	50.0	50	100.0	80-120

ND: Not Detected (at the specified limit)

Southland Technical Services, Inc.
Environmental Laboratories

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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

		DATE ANALYZED	09-21	09-21-05	09-21-05	09-21-05	09-21-05	09-21-05
		DILUTION FACTOR	2	1	20	1	1	20
		LAB SAMPLE I.D.	BL509112-7	BL509112-8	BL509112-9	BL509112-10	BL509112-11	BL509112-12
		CLIENT SAMPLE I.D.	MW-14	MW-15	MW-16	MW-17	MW-20	MW-22
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	19.8	174	1,080	ND	ND	1,530
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	9.6	ND	ND	ND	42.6
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	452	142	3,430	15.2	41.3	526
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	151	108	4,060	ND	17.4	1,870
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	84.3	176	2,800	3.6 J	7.7	3,280
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	3.9J	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	49.2J	ND	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	53.3	7.1	67.8	ND	ND	27.8
Trichloroethene	2	2	23.5	23.5	27J	25.8	21.2	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

Southland Technical Services, Inc.
Environmental Laboratories

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

Lab Job No.: BL509112
Matrix: Water

Date Reported: 09-30-2005
Date Sampled: 09-19-2005

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	4,290	40.8	11,900	10,700	ND	ND
Tetrachloroethene	2	2	ND	ND	137	ND	ND	5.9	40.1
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	1,120	16.5	1,260	1,360	21.2	ND
Total Xylenes	2	2	ND	5,810	45.7	4,290	4,150	17.5	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	177 J	ND	ND	270 J	139	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	811	23.9 J	610J	786	35.3	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	2,850	43.4 J	2,510	2,750	78.6	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	3.0J	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	ND	ND	ND	ND	5.4	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	799	ND	1,130J	318 J	27.7	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	1,300 J	160J	2,290J	1,150 J	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	370	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	5,110	28,700	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

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

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Page ___ of ___

Lab Job Number BL 59112

Client: Clean Soil Inc

Address: PO Box 11980, Lomita, CA 90717

Report Attention: Mark

Phone: 310-763-5770

Fax: 310-833-3349

Sampled by: Blain / Mark

Project Name/No.: Angeles

Project Site: 8915 Sorensen Ave. Santa Fe Springs

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.)							Remarks
Trip Blank TB-1	BL59112-19	9/19/05	9:00		HCl					X									
Duplicate Blank DUP-1	-17	↓	—		↓					X									
EB1 Blank	-18	↓	1618		↓					X									

Relinquished by	Company	Date	Time	Received by	Company
[signature]	Clean Soils Inc	9/19/05	5:40	[signature]	STS
Relinquished by	Company	Date	Time	Received by	Company

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

Southland Technical Services, Inc.
Environmental Laboratories

09-30-2005

Ms. Windy Brown
Clean Soils Inc.
4359 Phelan Road
Phelan, CA 92371

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 09-19-2005
Lab Job No.: BL509112

Dear Ms. Brown:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 09-19-2005 and analyzed for the following parameters:

EPA 8015M (Gasoline)
EPA 8260B (VOCs by GC/MS)
EPA 160.1 (Total Dissolved Solids)
EPA 352.1 (Nitrate)
EPA 325.3 (Chloride)
EPA 375.4 (Sulfate)
EPA 376.1 (Sulfide)
EPA 7380 (Total Iron) and Ferrous Iron
Ethylene
EPA 7460 (Manganese)
EPA 310.1 (Alkalinity)
Standard Method 4500 (Carbonate & Bicarbonate)
EPA 415.1 (Total Organic Carbon, Dissolved Organic Carbon)
Modified EPA 8270C (1,4-Dioxane by GC/MS)

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Chloride, sulfide, Alkalinity, Carbonate & Bicarbonate analyses were subcontracted to Americhem Testing Laboratory. TOC & DOC analyses were subcontracted to Associated Laboratories. Their original reports are attached.

STS Environmental Laboratory is certified by CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (323) 888-0728 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

AmeriChem Testing Laboratory

1761 N. Batavia St.
Orange, CA 92865

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

Analytical Report

REPORT NUMBER: AL-7225-2
CLIENT:
STS Environmental Lab.
7801 Telegraph Rd. suite J
Montebello, CA 90640

REPORT ON:
Water sample
BL509112

DATE RECEIVED: 09/20/05
DATE REPORTED: 09/21/05

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	-7	-8	-10	-11
Chloride	128	269	70.9	99.3	45.4	96.4	128	121	122	106
Sulfide	1.28	ND	1.06	1.12	ND	ND	ND	ND	ND	ND
Carbonate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bicarbonate	361	357	356	337	201	231	261	285	252	246
Total Alkalinity	601	595	592	555	335	385	435	475	420	410

Peter T. Wu
Lab Director

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 157188
REPORTED 09/28/2005
RECEIVED 09/21/2005

PROJECT BL509112

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
652628	BL509112-2
652629	BL509112-4
652630	BL509112-5
652631	BL509112-6
652632	BL509112-7
652633	BL509112-8
652634	BL509112-10
652635	BL509112-11
652636	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. Behere, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

OCT-04-2005 14:50 FROM-Associated Laboratories 714-538-1209 T-808 P.001/006 F-682