2004 3rd QUARTER GROUNDWATER MONITORING REPORT

FOR

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

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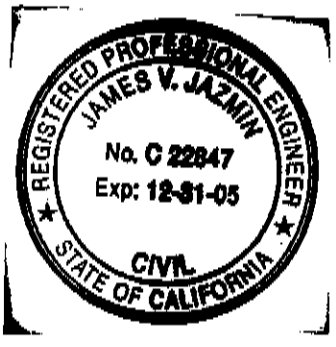

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1.0) INTRODUCTION

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 2004 3rd quarter monitoring episode performed on September 13 and 14 of 2004.

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. SCS 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 contained residual water within the casing sump at 26.42' bgs and a depth to bottom of 26.60' bgs. MW-4 will be noted as a perched water zone well.

The groundwater gradient flowed historically to the southwest as identified by SCS. In September 2004, the first water was identified at depths between 35.82' bgs to 41.05' bgs beneath the site. The potentiometric groundwater flow direction of the first water zone is northwest from the southern border of the property with a hydraulic gradient of 0.04 ft/ft to the N35°E (See Figure 3). Groundwater in the A1 zone was identified at depths between 46.98' bgs to 51.62' bgs beneath the site. The potentiometric groundwater flow in the A1 zone is to the west-southwest direction with a hydraulic gradient of 0.0065 ft/ft (See Figure 4). Depths to groundwater and their respective elevations are presented in Table 1. LeveLogger measurement charts are attached in Appendix A.

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 have generally been declining since June 2003, due to lack of sufficient rainfall which supplies seasonal recharge. The most recent groundwater elevations measured in September 2004 appear to coincide with seasonal changes with a drop in water elevations in all wells. In addition, the groundwater elevations in December 2003 are lower than those elevations from December 2002 in both the first water and A1 zones. The groundwater elevations from the southern first water monitoring wells appear to be falling since the previous monitoring episode. The groundwater elevations from the central first water, northern first water and the A1 zone monitoring wells have also dropped since the last groundwater monitoring episode.

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 ACC wells, the following order of wells was followed: MW-23, MW-24, MW-25, MW-20, MW-17, MW-12, MW-13, MW-14, MW-15, MW-9, MW-21, MW-22, MW-26, MW-11, MW-4, MW-16, MW-6, MW-8, MW-10, MW-19, and MW-18.

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.
- 1,4-Dioxane using EPA method 8270.
- 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 from September 13 to September 14, 2004. Diffusion bags were removed on September 13, 2004. 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, standing 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. 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 well MW-9 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, and temperature were measured with a Myron-L Ultra Meter 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 October 2004. Conductivity was calibrated to a 3900 μs standard with an expiration date of October 2004. A 0.02 NTU standard was used to calibrate the turbidity with an expiration date of October 2004.

6.2) Well Sampling

Groundwater samples were collected using three methods: disposable bailers, passive diffusion bags, and Snap Samplers™. Monitoring wells MW-9, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-20, and MW-21 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. Diffusion bags were used to collect water samples from MW-9, MW-23, MW-24, and MW-25 at 2.5-feet above the well casing bottom. Snap Samplers were used to collect comparative data from MW-9, MW-11, MW-14, MW-17, MW-20, and MW-21. 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.

Monitoring wells MW-9, MW-23, MW-24 and MW-25 contained diffusion bags and were collected on September 13, 2004. Groundwater samples were collected in the following order: MW-20, MW-21, MW-17, MW-12, MW-13, MW-11, MW-14, MW-15, and MW-9. Monitoring well MW-was completely

dry and could not be sampled. Monitoring well MW-26 was inaccessible due to a large temporary storage container positioned over the well box.

Snap Samplers™ were used to compare procedural differences and assess the accuracy and reliability of the analytical results for the Snap Samplers™. 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 are included in Appendix B.

Monitoring wells MW-4, MW-8, MW-10, MW-16, MW-18, and MW-19 identified FP as LNAPL at a thickness of 0.04-feet, 0.39-feet, 1.39-feet, 0.14-feet, 0.46-feet and 1.29-feet, respectively. LNAPL was identified in MW-6 with a thickness of 0.02-feet on September 16, 2004 during free product removal. The FP thickness in MW-6 and MW-18 is assumed based on the depth of the well bottom since no water was identified in the well.

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. Blind duplicate samples for the laboratory were labeled as "MW-1" and "MW-2" and were collected from monitoring wells MW-12 and MW-9, respectively. Equipment blanks were collected each day; EB-1 was collected after purging MW-13 and EB-2 was collected after MW-15. 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

Monitoring wells MW-4, MW-6, MW-8, MW-10, MW-16, MW-18 and MW-19 identified FP as LNAPL at a thickness 0.04-feet, 0.02-feet, 0.39-feet, 1.39-feet, 0.14-feet, 0.46-feet and 1.29-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	FP Removed (gallons)
MW-4	0.75
MW-6	2
MW-8	12.37
MW-10	3.42
MW-16	1.13
MW-18	51.78
MW-19	6.45

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 are similar compared to the FP from MW-19.

8.0) GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from the first water zone monitoring wells MW-9, MW-11 and MW-12 in September 2004 contained dissolved TPH-gas at 1,500 µg/L, 62,400 µg/L, and 1,730 µg/L, respectively. See Table 3 and Figure 9 for dissolved TPH-gas concentrations. Graphs of dissolved contaminant concentrations over time are provided in Appendix B. Note that the previously high dissolved TPH-gas

concentrations from MW-19, MW-10 and MW-18 represent the LNAPL that is now present in those first water wells.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, MW-14, MW-15, MW-17, MW-20 and MW-21 in September 2004 contained TPH-gas ranging from 8,090 μg/L in MW-21 to non-detect (<50 μg/L) in MW-17 and MW-20. In all wells with detectable TPH-gas the levels increased from the previous sampling event. The lower A1 zone monitoring wells (MW-23, MW-24 and MW-25) were not analyzed for TPH-gas. See Table 3 and Figure 10 for dissolved TPH-gas concentrations. Contaminant graphs for the A1 zone identified lower dissolved TPH-gas concentrations in most wells during the month of June.

Concentrations of dissolved BTEX in the first water zone ranged from 21,269 μg/L in MW-11 to <38.9 μg/L in MW-9 (See Table 4 and Figure 9 for dissolved BTEX concentrations). Most of the total dissolved BTEX concentrations consist of benzene and toluene. Contaminant graphs for these two components 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 419.4 μg/L in MW-21 to <4 μg/L in MW-13, MW-17 and MW-20 (See Tables 4 and 5 and Figure 10 for dissolved BTEX concentrations). Like the first water zone, the upper A1 zone contains mostly benzene and toluene as the total dissolved BTEX concentration. Contaminant graphs for these two components contained higher dissolved benzene and toluene concentrations in most wells during the month of December except for monitoring wells MW-15 and MW-21 which identified maximum concentrations in September 2004. 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 123 μg/L from MW-9. Dissolved TCE was identified at a maximum of <50 μg/L from MW-11 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 491 μg/L and 321 μg/L, respectively in groundwater collected from MW-21 (See Figure 12). The lower A1 zone contained maximum concentrations of dissolved PCE as 3.6 μg/L and TCE as 3.7 μg/L from MW-25. Wells in the upper A1 zone exhibited a general increase in dissolved PCE and TCE, while the lower A1 zone showed decreased levels of 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 485 μg/L in MW-11 (See Figure 11). MW-9 and MW-12 contained dissolved 1,1,1-TCA at 27.9 μg/L and 2.4 μg/L, respectively. 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 and most wells with low level dissolved 1,1,1-TCA the maximum concentrations were detected in June. Dissolved 1,1,1-TCA was detected in the A1 zone at a maximum of 312 μg/L in MW-21 (See Figure 12). Dissolved 1,1,1-TCA was also identified in MW-15 at 5.2 μg/L and in MW-20 at 3.2 μg/L. No significant concentrations of 1,1,1-TCA (above 5 μg/L) were detected in all other upper and lower A1 zone monitoring wells. 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 MW-9, MW-11 and MW-12 identified dissolved 1,4-Dioxane concentrations between 1,310 μg/L and <2 μg/L. Dissolved concentrations in most wells have decreased over time (See Appendix B). A1 zone monitoring wells MW-13, MW-14, MW-15, MW-17, MW-20, MW-21, MW-23, MW-24, and MW-25 identified dissolved 1,4-Dioxane concentrations between 676 μg/L and <2 μg/L. Contaminant graphs display that dissolved 1,4-Dioxane has remained stable except for MW-21, MW-15 and MW-14, which identified maximum concentrations during the 2004 third quarter.

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 29,400 μg/L and 160 μg/L in the first water zone (See Figure 11). The greatest dissolved 1,1-DCA concentration was observed in MW-11. A historic maximum concentration was identified in MW-11 during June 2004 (See Appendix B). Dissolved 1,1-DCA concentrations in the upper A1 zone ranged between 2,760 μg/L and <1 μg/L (See Figure 12). Monitoring well MW-21 located along the southwest property boundary contained the highest dissolved 1,1-DCA concentrations from the upper A1 zone. The second highest dissolved 1,1-DCA concentration identified from MW-15 was only 168 μg/L. Dissolved 1,1-DCA concentrations identified in the lower A1 zone ranged from 52.1 μg/L to <1 μg/L. Most wells in the A1 zone identified a slight increase 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 909 µg/L to 4.5 µg/L in the first water zone (See Figure 11). The maximum dissolved 1,1-DCE concentration was observed in MW-9. The next largest dissolved 1,1-DCE concentration was identified as 434 µg/L in groundwater collected from MW-11. 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 2,730 µg/L and 2.97 µg/L (See Figure 12). A1 zone monitoring well MW-21 located along the southwest property boundary contained the maximum dissolved 1,1-DCE concentration (2,730 µg/L). Concentrations of detected dissolved 1,1-DCE were identified at a maximum of 1.7 µg/L in the lower A1 zone from MW-24. Most wells in the A1 zone identified elevated dissolved 1,1-DCE concentrations in June except for MW-14, MW-15 and MW-21, which were elevated in March and September.

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 3,730 µg/L (in MW-11) and 1.6 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 1.5 µg/L to a maximum of 5,370 µg/L identified from MW-21 (See Figure 12). Upper A1 zone monitoring well MW-15 contained the second largest dissolved cis-1,2-DCE concentration of 790 µg/L. The lower A1 zone contained dissolved cis-1,2-DCE at a maximum of 8.0 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.

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 2,550 µg/L (in MW-11) and 10 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 272 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. No detectable concentrations of dissolved VC were identified in the lower A1 zone. The A1 zone wells observed maximum dissolved VC concentrations in September 2004 for MW-14, MW-15 and MW-21.

No dissolved methylene chloride was identified during the September 2004 sampling event. Dissolved methylene chloride (MC) concentrations were <50 µg/L to <4

μg/L in the first water zone (See Figure 11). Methylene chloride was <4 μg/L in MW-21 and <2 μg/L in the remaining upper and all lower A1 zone monitoring wells sampled (See Figure 12).

Dissolved acetone was identified only in first water zone monitoring well MW-11 at 566 μg/L. Dissolved MEK concentrations were non-detect ranging from <125 μg/L (in MW-11) to <10 μg/L in first water wells (See Figure 13). No detectable concentrations of acetone or MEK were identified above method detection limit from the 2004 3rd quarter groundwater monitoring episode 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).

No detectable concentrations of dissolved MIBK (<125 μg/L to <10 μg/L) were identified in the first water wells sampled this quarter (See Figure 13). No detectable concentrations (<10 μg/L to <5 μg/L) 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). Further data needs to be compared prior to evaluating biodegradation processes. Subsequent groundwater analysis will include these biodegradation indicators. All groundwater laboratory analytical reports for the 2004 3rd quarter 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 dissolved VOCs in both the first water and A1 zones. LNAPL was identified in seven first water monitoring wells (MW-4, MW-6, MW-8, MW-10, MW-16, MW-18 and MW-19). Elevated dissolved phase VOCs were identified in first water monitoring wells MW-11 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. A1 zone monitoring well MW-21 located along the southern property boundary contained the maximum dissolved VOC concentrations in that aquifer.

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. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC identified dissolved concentrations of up to 29,400 μg/L. The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator

of intrinsic biodegradation. However, further groundwater monitoring analysis is needed to determine whether intrinsic biodegradation is occurring.

10.0) RECOMMENDATIONS

CSI recommends that quarterly groundwater monitoring for VOCs and TPH-gas be continued at the former ACC property. CSI further recommends that free product removal be performed on a monthly basis to reduce its mass. It is anticipated that a soil vapor extraction system and an automated free product recovery system will be in place this soon provided that the on-site security is in place. CSI is currently developing the groundwater remedial investigation/feasibility study report.

TABLES

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

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Well Elevation (TOC)		NA	150.42	150.79	148.27	149.39	148.62	149.63	149.16	149.41	149.12	150.09	150.22	150.66	150.6	148.32	149.03	149.63	149.2	149.14	150.02	150.67	148.42	149.9	150.64	150.63
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	118.32	93.03	128.63	119.2	92.14	97.02	120.67	77.42	82.9	79.64	120.63
	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	110.63
Depth to Water (bg)																										
	Feb-94	30.05	28.6	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	38.2	38.39	37.38	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	44.86	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	32.83	32.71	33.26	41.65	43.06	43.83	33.69	40.44	33.06	33.33	41.11	42.34					
	Mar-03	NA	41.07	41.35	26.38	FP only	33.16	32.81	33.22	32.44	32.49	33.07	39.77	40.95	41.53	32.01	38.28	35.36	33.42	39.06	40.38					
	Jun-03	NA	39.98	39.85	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	38.7
	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	34.38	35.02	45.98	47.41	47.92	38.88	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	38.38	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
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	114.48																	
	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	115.87	106.03	107.88					
	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	116.16	116.78	116.06	119	116.97	119.04	112.37	111.46	110.98	118.33	112.62	116.5	110.9	112.09	111.52	114.87	114.19	112.17	111.42	114.13
	Sep-03	NA	NA	NA	121.86	NA	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	110.6	108.87	107.21	106.29	112.38
	Dec-03	NA	NA	NA	121.88	NA	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	Dry	105.77	104.21	103.29	111.23
	Mar-04	NA	NA	NA	121.88	NA	NA	114.43	110.97	114.56	114.76	115.07	104.24	103.25	102.88	111.44	104.47	109.35	112.05	103.92	103.43	112.16	105.17	103.49	102.61	114.13
	Jun-04	NA	NA	NA	121.87	NA	NA	114.21	110.01	114.33	113.74	114.89	103.41	102.35	102.11	109.96	103.88	103.89	111.97	102.85	102.54	110.75	104.18	102.58	101.69	111.58
	Sep-04	NA	NA	NA	121.85	NA	NA	113.45	108.11	112.88	113.2	114.27	100.95	99.6	99.28	108.22	100.82	NA	110.86	100.22	99.93	NA	101.44	99.97	99.02	NA

Table 2: TPH-gas and VOCs from Free Prodcut Sample Results using EPA Methods 8015 and 8260 (µg/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	484,000
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	1,328,000
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 8260 (µg/L)							
VOCs	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Methylene Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
4-Methyl-2-pentanone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
Naphthalene	Oct-01	1,680,000*					
	Mar-04	NA	NA	1,980,000	NA	1,620,000	4,120,000
	Sep-04	NA	3,260,000	2,890,000	NA	NA	6,000,000
n-Propylbenzene	Mar-04	NS-FP	NS-FP	2,820,000	NA	3,230,000	2,980,000
	Sep-04	NA	3,787,000	3,700,000	NA	NA	4,240,000
Tetrachloroethene	Oct-01	531,000*					
	Mar-04	NA	NA	<500,000	NA	543,000	4,820,000
	Sep-04	NA	<200,000	<200,000	NA	NA	2,870,000
1,1,1-Trichloroethane	Oct-01	28,100,000*					
	Mar-04	NA	NA	8,870,000	NA	4,140,000	35,000,000
	Sep-04	NA	5,460,000	7,330,000	NA	NA	45,700,000
Trichloroethene	Oct-01	753,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	560,000
	Sep-04	NA	<200,000	<200,000	NA	NA	300,000
1,2,4-Trimethylbenzene	Oct-01	22,100,000*					
	Mar-04	NA	NA	31,900,000	NA	30,600,000	45,400,000
	Sep-04	NA	43,400,000	37,000,000	NA	NA	60,100,000
1,3,5-Trimethylbenzene	Oct-01	5,400,000*					
	Mar-04	NA	NA	8,560,000	NA	9,020,000	9,480,000
	Sep-04	NA	11,746,000	10,100,000	NA	NA	13,500,000
Toluene	Oct-01	9,010,000*					
	Mar-04	NA	NA	8,620,000	NA	15,300,000	11,400,000
	Sep-04	NA	9,010,000	15,200,000	NA	NA	16,400,000
Vinyl Chloride	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<100,000	<100,000	NA	NA	<100,000
Xylenes	Oct-01	10,370,000*					
	Mar-04	NA	NA	17,600,000	NA	22,500,000	16,000,000
	Sep-04	NA	21,400,000	26,300,000	NA	NA	22,100,000
NA= Not Analyzed.							
Blue= Chemicals stored on-site.							
Red= Transformation compounds.							

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

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Screened Interval (bg)		40-60	30-50	29-49	17-27	20-30	34-55	30.5-40.5	30.5-45.5	25-40	30-40	30-40	52-62	55-65	54-64	29-46	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40
DTW (ft)	Feb-94	30.05	28.8	29.7	23.35	24.85	24.53																			
	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	44.88	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	34.87	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	32.61	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	39.82	29.99	36.41	33.13	36.3	37.05	36.5	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	33.28	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	42.85	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	36.51	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	38.38	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	51.82	NA
Conductivity	Dec-02	NA	2011	2065	NA	NA	2710	NA	2331	2871	2688	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	1966	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	2186	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
pH	Dec-02	NA	6.83	6.82	NA	NA	6.75	NA	6.58	6.82	6.87	7.02	6.97	6.63	6.93	6.56	6.93	6.88	7.02	6.99	6.99					
	Mar-03	NA	6.6	6.9	NA	NA	6.7	NA	7	6.7	6.6	7.1	7.5	7	7.6	6.8	7.2	6.6	6.9	7.3	7.6					
	Jun-03	NA	6.9	6.7	NA	NA	6.6	NA	6.7	6.4	6.6	6.4	6.8	6.8	6.7	6.5	6.8	6.3	6.7	6.9	6.8	NA	NA	NA	NA	NA
	Sep-03	NA	NA	NA	NA	NA	NA	NA	6.61	6.55	6.52	6.49	6.93	6.9	6.75	6.7	6.85	6.23	NS-FP	6.79	6.77	NS-NW	6.64	6.74	6.67	NS-NW
	Dec-03	NA	NA	NA	NA	NA	NA	NA	6.9	6.6	6.7	7.4	6.9	7.1	7	NS-FP	7.1	6.4	NS-FP	7	6.8	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NA	7	7	6.8	6.8	6.7	NS-FP	6.7	NS-FP	NS-FP	6.7	6.8	6.4	NA	NA	NA	7
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NS-FP	6.6	6.9	6.9	6.7	6.7	NS-FP	6.9	NS-FP	NS-FP	6.8	6.7	NA	6.1	4.3	4.6	5.6
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.87	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

Table 3 (cont.): 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
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	88,300	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	2,830	<50	<50	<50	28,400
	Sep-03	NA	NA	NA	NA	NA	NA	NA	1,280	69,800	30,200	1,300	106	89	226	1,460	<50	44,900	NA	<50	996	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	40,800	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	2,850	3,080	NA	NA	NA	41,800
	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

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

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

	Date	MW-1[1]	MW-2[2]	MW-3[3]	MW-4	MW-6	MW-7[5]	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 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	29-48	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40
Depth to Water (feet)	Feb-94	30.05	28.8	29.7	23.35	24.85	24.53																			
DTW	Nov-00	35.62	35.28	36.42	26.2	28.52	28.19																			
	Oct-01	37.41	37.91	39.19	26.35	NA	28.7																			
	Nov-01	NA	NA	NA	26.36	28.85	NA																			
	Feb-02	36.2	36.39	37.39	26.44	30.32	29.21																			
	Jun-02	37.92	38.75	39.19	26.46	NA	30.07	30.91	30.98																	
	Oct-02	42.45	43.66	44.68	26.48	30.28	34.11	32.68	34.7																	
	Dec-02	NA	43.19	44.22	26.28	FP only	34.03	33.82	34.67	32.63	32.71	33.26	41.85	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	39.06	40.36					
	Jun-03	NA	39.98	39.95	26.35	FP only	30.44	30.85	31.1	30.41	30.15	31.06	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	40.26	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	35.06	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	35.62	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
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	748																			
	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
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	14.8	12.9	NS-FP	<1	415	NS-FP	1.3	84	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	29.3	Table 2	935	7.5	<1	4.5	36.1	NS-FP	<1	Table 2	Table 2	<1	92.7	34	Table 5	Table 5	Table 5	225
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	26.8	NS-FP	715	2.2	<1	1.9	3.4	NS-FP	<1	NS-FP	NS-FP	<1	5	NS-NW	<1	<1	<1	142
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	23.9	NS-FP	709	0.6	<1	3.2	14.6	NS-FP	<1	NS-FP	NS-FP	<1	116	NS-NW	<1	<1	<1	NA

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

VOCs	Date	MW-1[1]	MW-2[2]	MW-3[1]	MW-4	MW-6	MW-7[4]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
2-Butanone (MEK)	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	3,100	<10,000	<10,000	NS-FP	NS-FP	1,400																			
	Oct-01	<1,250	<250	500	NS-NW	Table 2	980																			
	Feb-02	<625	<62.5	<500	NS-FP	NS-FP	<50																			
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																	
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	15,300	1,160	<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
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	480	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	628	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
1,1-Dichloroethane	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	20,800	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	5,880	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	2,160	1,710	NS-FP	NS-FP	3,750	NS-FP	1,020	41,900	48,800	1,800	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	2760	NS-NW	2.9	52.1	<1	NA

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
1,2-Dichloroethane	Feb-94	<100	<100	<50	<100	1140	31																			
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	43.4																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	28	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	11.5	<1,000	228	<50	<5	<125	<50	57.5	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	103	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	9.2	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	130	<5	<2	5	2.1	NS-FP	<2	Table 2	Table 2	<2	17.5	11.7	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.6	NS-FP	45	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	1.8	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	6	<2	NS-FP	<2	NS-FP	NS-FP	<2	16.3	NS-NW	<2	<2	<2	NA
1,1-Dichloroethene	Feb-94	2,210	2,460	2,800	806	1,240	151																			
	Nov-00	3,000	<500	2,900	NS-FP	NS-FP	350																			
	Oct-01	1,200	1,120	4,090	NS-NW	Table 2	355																			
	Feb-02	4,050	1,460	3,900	NS-FP	NS-FP	778																			
	Jun-02	4,900	2,090	2,690	NS-FP	NS-FP	423	NS-FP	1,540																	
	Oct-02	3,800	2,100	178	NS-FP	NS-FP	547	NS-FP	1,620																	
	Dec-02	NA	2,230	196	NS-FP	NS-FP	538	NS-FP	1,460	2,640	3,460	154	38.5	142	52.4	1,530	18.6	6,850	17,700	25.6	207					
	Mar-03	NA	2,490	1,410	NS-FP	NS-FP	213	NS-FP	1,100	2,550	2,940	16.5	16.8	125	60.8	2,470	17.1	5,290	16,600	16.5	280					
	Jun-03	NA	1,490	2,370	NS-FP	NS-FP	364	NS-FP	1,290	3,370	1,480	29.2	44.2	29.6	124	3,500	16	4,610	24,200	246	755	155	2	<2	4.2	2,340
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,620	1,760	1,050	14.5	27.2	274	98	2,470	14.2	4,260	NS-FP	45.7	1,600	NS-NW	<2	<2	<2	5,600
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	43.5	2,750	1,810	7.3	10.8	675	234	NS-FP	7.8	4,170	NS-FP	43.8	1,960	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,260	Table 2	520	7.3	6.7	264	725	NS-FP	3.8	Table 2	Table 2	21	2,540	440	Table 5	Table 5	Table 5	7,740
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,100	NS-FP	435	4.5	30.7	96.9	40.5	NS-FP	24.7	NS-FP	NS-FP	78.1	299	NS-NW	9.7	15.6	7.9	8,150
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	909	NS-FP	434	4.5	13.9	346	198	NS-FP	2.9	NS-FP	NS-FP	10.5	2,730	NS-NW	0.7	1.7	<2	NA
cis 1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	20,000	9,500	5,700	NS-FP	NS-FP	210																			
	Oct-01	10,300	9,150	7,000	NS-NW	Table 2	194																			
	Feb-02	29,100	11,100	7,960	NS-FP	NS-FP	268																			
	Jun-02	31,100	14,800	6,860	NS-FP	NS-FP	238	NS-FP	612																	
	Oct-02	20,700	10,400	212	NS-FP	NS-FP	311	NS-FP	736																	
	Dec-02	NA	11,800	595	NS-FP	NS-FP	268	NS-FP	630	23,300	6,700	180	46.5	684	332	975	38	18,100	11,800	9.3	324					
	Mar-03	NA	11,300	3,090	NS-FP	NS-FP	225	NS-FP	483	20,900	10,100	18.6	17.6	363	496	1,150	7.1	21,200	11,100	6.9	543					
	Jun-03	NA	2,270	5,220	NS-FP	NS-FP	214	NS-FP	552	24,600	8,740	24.8	40	5.8	617	1,540	2.2	23,900	13,000	7	1,060	3,860	<2	<2	<2	939
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	648	9,290	6,950	8	25.2	49	436	996	<2	15,900	NS-FP	4.6	2,450	NS-NW	8.7	<2	2.4	2,130
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	21.3	17,200	1,830	5.1	10.6	113	1,570	NS-FP	<2	14,500	NS-FP	26.7	4,400	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	391	Table 2	5,650	3.8	11.2	69.8	2,690	NS-FP	2.2	Table 2	Table 2	18.8	4,090	6,020	Table 5	Table 5	Table 5	5,130
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	370	NS-FP	4,150	<4	35	36.9	102	NS-FP	8.7	NS-FP	NS-FP	4	437	NS-NW	2.8	16.2	1.8	6,550
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	327	NS-FP	3,730	1.6	16.7	110	790	NS-FP	1.5	NS-FP	NS-FP	3.7	5,370	NS-NW	8	4.6	<2	NA

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
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	36.8*	54.4*	NS-FP	<50	Table 2	Table 2	<50	314*	936*	Table 5	Table 5	Table 5	816*
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4,000*	NS-FP	416*	2.9*	<2*	93*	8.4*	NS-FP	<2*	NS-FP	NS-FP	5.3*	28*	NS-NW	NA	NA	NA	NA
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,310*	NS-FP	304*	<2*	<2*	276*	90*	NS-FP	<2*	NS-FP	NS-FP	<2*	676*	NS-NW	<200	<200	<200	NA
Ethylbenzene	Feb-94	333	1,720	115	1,160	1,910	45																			
	Nov-00	960	120	1,000	NS-FP	NS-FP	82																			
	Oct-01	805	197	1,550	NS-NW	Table 2	107																			
	Feb-02	875	115	1,360	NS-FP	NS-FP	94.4																			
	Jun-02	1,450	147	1,470	NS-FP	NS-FP	124	NS-FP	<1																	
	Oct-02	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	967	270	<1	334	<10	<50	<1	425	1,710	<1	<5					
	Mar-03	NA	614	982	NS-FP	NS-FP	100	NS-FP	<5	1,280	1,650	200	<1	25.3	<10	<25	<1	1,050	2,270	<1	<5					
	Jun-03	NA	<100	722	NS-FP	NS-FP	85.3	NS-FP	<10	1,400	940	11.1	<1	<1	<2.5	<25	<1	1,010	2,480	<2.5	31	<10	<1	<1	<1	1,620
	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

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

VOCs	Date	MW-1[c]	MW-2[d]	MW-3[c]	MW-4	MW-6	MW-7[d]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Methylene Chloride	Feb-94	1,220	2,980	6,530	4,760	21,400	<50																			
	Nov-00	1,100	180	5,800	NS-FP	NS-FP	180																			
	Oct-01	<1,250	<250	<625	NS-NW	Table 2	<125																			
	Feb-02	<250	18.5	3,960	NS-FP	NS-FP	<20																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	1,530	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	12,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	12,600	<5	<2	113	<2	<2	<2	10,600
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	14,600
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	<10	6.6	Table 5	Table 5	Table 5	9,300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	11,900
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	NA
4-Methyl-2-pentanone (MIBK)	Oct-01	<1,250	<250	4,130	NS-NW	Table 2	625																			
	Feb-02	<625	<62.5	3,470	NS-FP	NS-FP	376																			
	Jun-02	<1,250	<2,500	2,850	NS-FP	NS-FP	368	NS-FP	<500																	
	Oct-02	<2,500	<250	1,410	NS-FP	NS-FP	276	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	<12,500	3,540	<125	<25	<625	<250	<1,250	<25	<2,500	<12,500	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	8,160	3,680	<250	<25	<625	<250	<625	<25	7,400	10,100	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	6,020	5,340	<125	<25	<25	<62.5	<125	<25	12,600	14,400	<62.5	<5	<250	<25	<25	<25	9,250
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	10,900	1,370	<12.5	<5	<5	<10	<125	<5	4,100	NS-FP	<5	<25	NS-NW	<5	<5	<5	7,350
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	3,120	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	1,330	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	<250	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,600
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	5,320
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA
Naphthalene	Oct-01	185	76	<125	NS-NW	Table 2	85																			
	Feb-02	195	64	122	NS-FP	NS-FP	74.8																			
	Jun-02	<250	89.4	178	NS-FP	NS-FP	116	NS-FP	<100																	
	Oct-02	<500	82.2	58.2	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	97	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	206	NS-FP	NS-FP	110	NS-FP	<25	568	222	134	89.4	<125	27.5	55.3	116	1,130	1,610	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	80.3	NS-FP	<20	450	<400	<10	<2	<2	<5	<50	<2	276	3,250	<5	<2	<20	<2	<2	<2	135
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	22	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	125
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	113	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	20	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	183	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	53.5	6.6	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	129	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	102
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	157	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	70	NS-NW	<2	<2	<2	NA

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
n-Propylbenzene	Jun-02	<250	28.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	44.2	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	259	89.5	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	482	191	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	303	45	<2	<2	<4	<50	<2	<200	NS-FP	<2	10.5	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	123	<2	<4	<5	NS-FP	<2	230	NS-FP	22.9	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	355	237	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	14.3	<4	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	210	142	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	230	184	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	13.4	NS-NW	<2	<2	<2	NA
Tetrachloroethene	Feb-94	662	2,150	5,370	3,320	2,130	134																			
	Nov-00	<2,500	<500	130	NS-FP	NS-FP	<500																			
	Oct-01	<100	<20	130	NS-NW	Table 2	100																			
	Feb-02	20	3.3	302	NS-FP	NS-FP	8.2																			
	Jun-02	24.8	<500	133	NS-FP	NS-FP	<25	NS-FP	122																	
	Oct-02	<200	<20	38.3	NS-FP	NS-FP	<100	NS-FP	190																	
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	204	<1,000	<50	<10	97.1	<50	<20	268	8.1	534	1,240	9.7	53.1					
	Mar-03	NA	<400	411	NS-FP	NS-FP	<50	NS-FP	136	<400	<200	<20	11	<50	<20	350	25	<1,000	1,480	3.3	17.8					
	Jun-03	NA	258	318	NS-FP	NS-FP	<50	NS-FP	132	<400	<400	<10	161	21.8	29.5	485	35.9	<400	1,460	48.9	<2	<20	4	4.1	12.3	1,920
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	131	<400	<50	12.5	145	28.3	36	273	15.1	<200	NS-FP	18.3	232	NS-NW	4.1	10.7	51	2,930
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.5	<400	<400	3.8	36.3	42.4	12.1	NS-FP	18	<200	NS-FP	3.4	133	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	149	Table 2	<100	3.8	51.4	42	63.2	NS-FP	36.2	Table 2	Table 2	9.3	347	4	Table 5	Table 5	Table 5	4,160
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	126	NS-FP	<100	2.8	177	41.8	53.1	NS-FP	37.6	NS-FP	NS-FP	25	228	NS-NW	34.5	120	31.7	1,830
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	123	NS-FP	<50	3	239	40.5	56.5	NS-FP	20.4	NS-FP	NS-FP	35.8	491	NS-NW	1.7	<2	3.6	NA
1,1,1-Trichloroethane	Feb-94	9,370	3,470	444	36,200	114,000	90																			
	Nov-00	<2,500	<500	70	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	92																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	32.3	13,800	52.8	21	<5	230	<50	<250	6	1,150	21,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	35	12,300	<500	14	1.4	77.5	<50	33.5	9.5	865	37,800	<5	14					
	Jun-03	NA	160	<400	NS-FP	NS-FP	<50	NS-FP	18.6	8,430	<400	19	<2	3.4	10.7	42.5	<2	260	61,200	25	70	<20	<2	<2	<2	1,250
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	4,510	<50	8.7	<2	8.9	6.4	<50	8	420	NS-FP	8.6	150	NS-NW	<2	<2	<2	1,790
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	7,460	852	10.7	<2	<4	<5	NS-FP	2.2	1,130	NS-FP	61.7	132	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	11.1	Table 2	170	8.3	<2	<2	7.7	NS-FP	<2	Table 2	Table 2	20.9	186	<4	Table 5	Table 5	Table 5	7,350
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	24	NS-FP	250	2.5	<2	<2	4.5	NS-FP	7.4	NS-FP	NS-FP	3.4	13.5	NS-NW	3.4	<2	<2	5,730
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.9	NS-FP	485	2.4	<2	<2	5.2	NS-FP	<2	NS-FP	NS-FP	3.2	312	NS-NW	<2	<2	<2	NA

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

VOCs	Date	MW-1[1]	MW-2[2]	MW-3[1]	MW-4	MW-6	MW-7[2]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Trichloroethene	Feb-94	7,160	3,040	1,730	14,300	1,320	45																			
	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	26.8	<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	160	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	189	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	18.1	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	29.8	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
1,2,4-Trimethylbenzene	Oct-01	1,590	18.9	345	NS-NW	Table 2	200																			
	Feb-02	2,800	231	568	NS-FP	NS-FP	234																			
	Jun-02	3,850	<500	618	NS-FP	NS-FP	235	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	4,680	<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	1,610	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
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	45.8																			
	Jun-02	1,170	57.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	574	57.8	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	765	<5	106	<50	<250	<5	528	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	30	NS-FP	<25	404	903	411	<5	<125	<50	<125	<5	635	845	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	398	440	19	<2	<2	<5	<50	<2	506	1,530	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	320	570	92	<2	<2	<4	<50	<2	400	NS-FP	<2	<10	NS-NW	<2	<2	<2	170
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	412	506	294	<2	<4	<5	NS-FP	<2	459	NS-FP	13.6	<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

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

VOCs	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
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	8,180	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	936	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	3.8	<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
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	584	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	1,160	68.6	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	1,630	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	8.1	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	880	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
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	6,670
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	4,590	2,020	157	<1	<2	<2.5	NS-FP	<1	2,610	NS-FP	22	91.9	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	2,170	231	<1	<1	27.3	NS-FP	<1	Table 2	Table 2	<1	175	8.8	Table 5	Table 5	Table 5	9,320
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	18.9	<1	<1	9.8	NS-FP	<1	NS-FP	NS-FP	<1	5.3	NS-NW	<1	<1	<1	8,320
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	3,200	150	<1	<1	22.1	NS-FP	<1	NS-FP	NS-FP	<1	200	NS-NW	<1	<1	<1	NA

NA= Not Analyzed. [†] = Abandoned Well.

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)

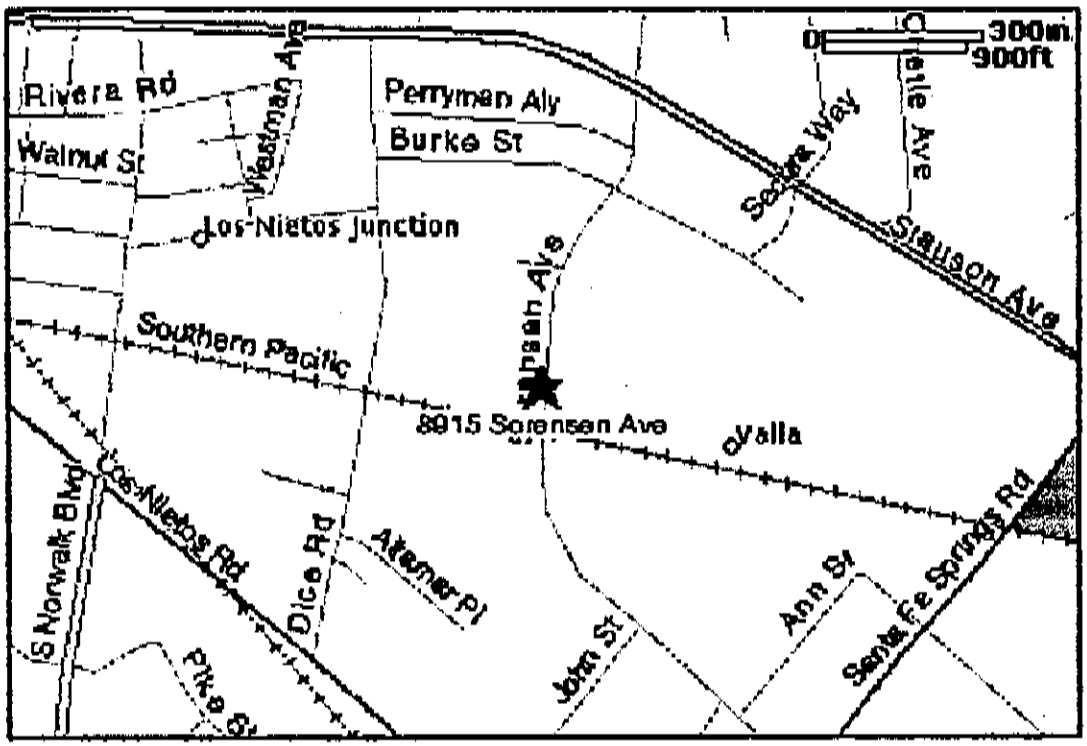
VOCs	Date	Depth	MW-23	MW-24	MW-26
trans 1,2-Dichloroethene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,4 Dioxane	15-Dec-03	1.5'	<50	<50	<50
	15-Dec-03	7.5'	<50	<50	<50
	30-Mar-04	2.5'	<50	<50	<50
	30-Mar-04	7.5'	<50	<50	<50
Ethylbenzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Methylene Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
4-Methyl-2-pentanone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Naphthalene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
n-Propylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Tetrachloroethene	15-Dec-03	1.5'	30.6	75.4	37.1
	15-Dec-03	7.5'	14.8	24.3	37.2
	30-Mar-04	2.5'	38.2	225	30.3
	30-Mar-04	7.5'	37.7	263	24.9

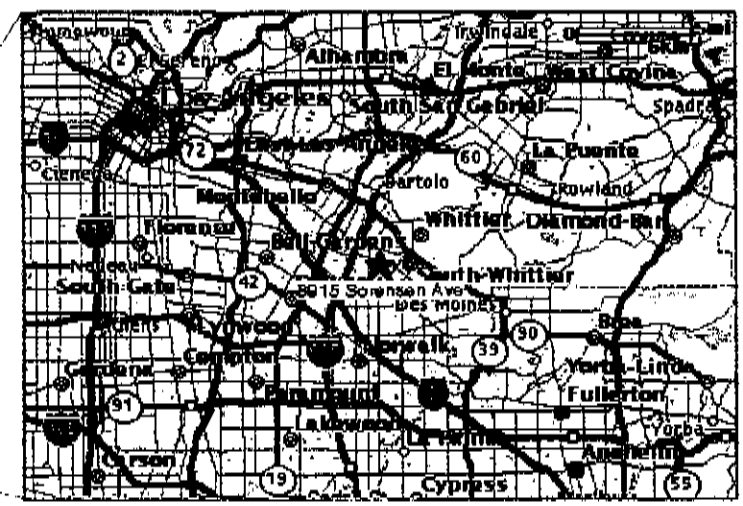
Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
VOCs	Date	Depth	MW-23	MW-24	MW-25
1,1,1-Trichloroethane	15-Dec-03	1.5'	3.2	2.3	<2
	15-Dec-03	7.5'	2.6	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Trichloroethene	15-Dec-03	1.5'	11.3	51.4	38.5
	15-Dec-03	7.5'	7.9	49.3	39.4
	30-Mar-04	2.5'	14.2	74.5	34.9
	30-Mar-04	7.5'	14.7	67.1	18.6
1,2,4-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,3,5-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Toluene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Vinyl Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Xylenes	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
DTW= Depth to Water.					
Depth= Depth above well bottom.					
Blue= Chemicals stored on-site.					
Red= Transformation compounds.					

Table 6. Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)										
		First Water Wells			Upper A1 Zone Wells					
Compound	Date	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
Dissolved Organic Carbon	Dec-03	12	100	3	1.6	2.9	2.4	0.9	2.2	3.4
	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
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
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	1080	1,300	1,180
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
Carbote/bicarbote	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
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
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

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
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
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
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
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
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
Ethene	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

FIGURES

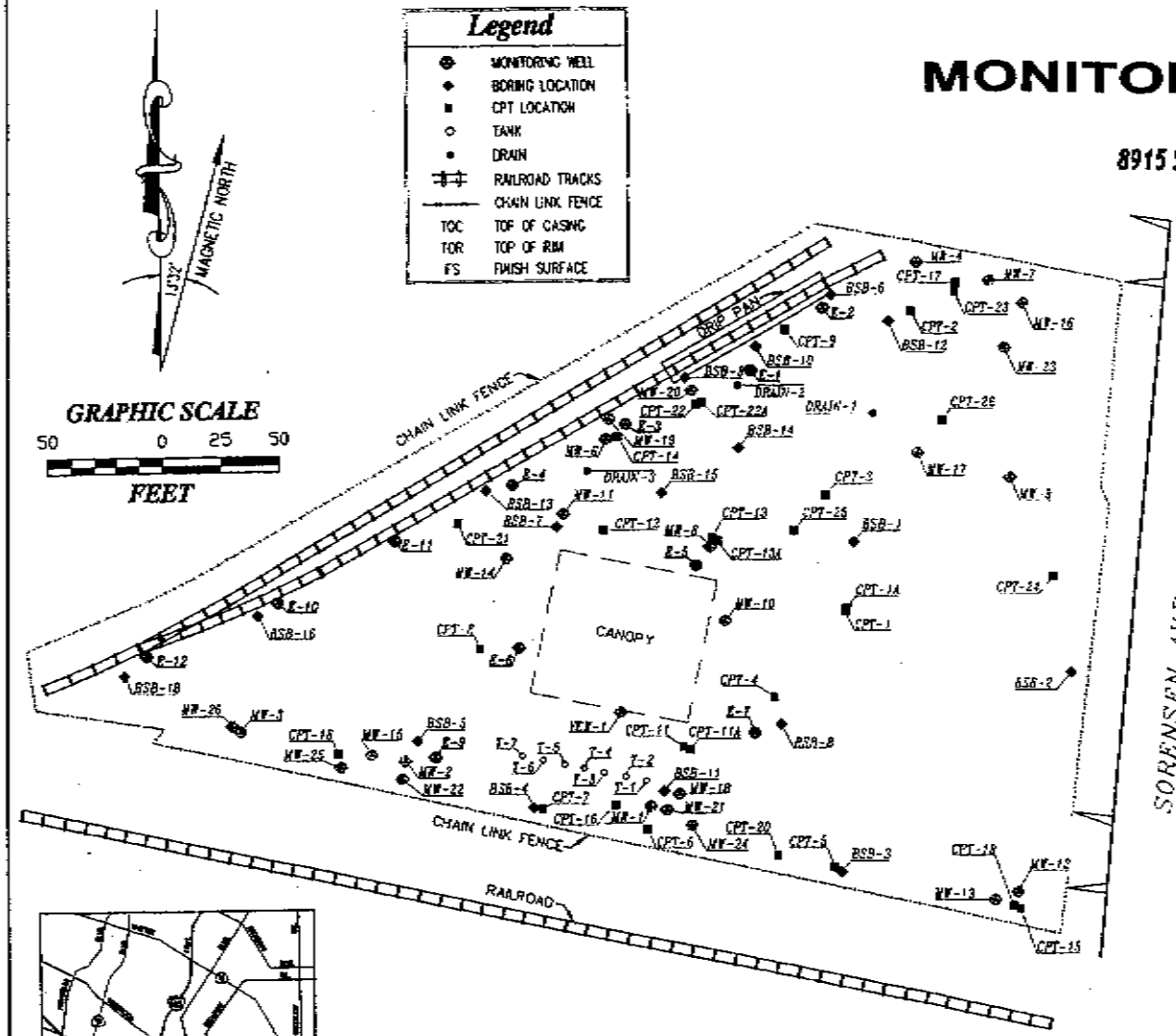




Clean Soil, Inc. 4359 Phelan Road Phelan, CA 92371	Site Location Map Former Angeles Chemical Company 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 1

FIGURE 2
MONITORING WELL LOCATIONS

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

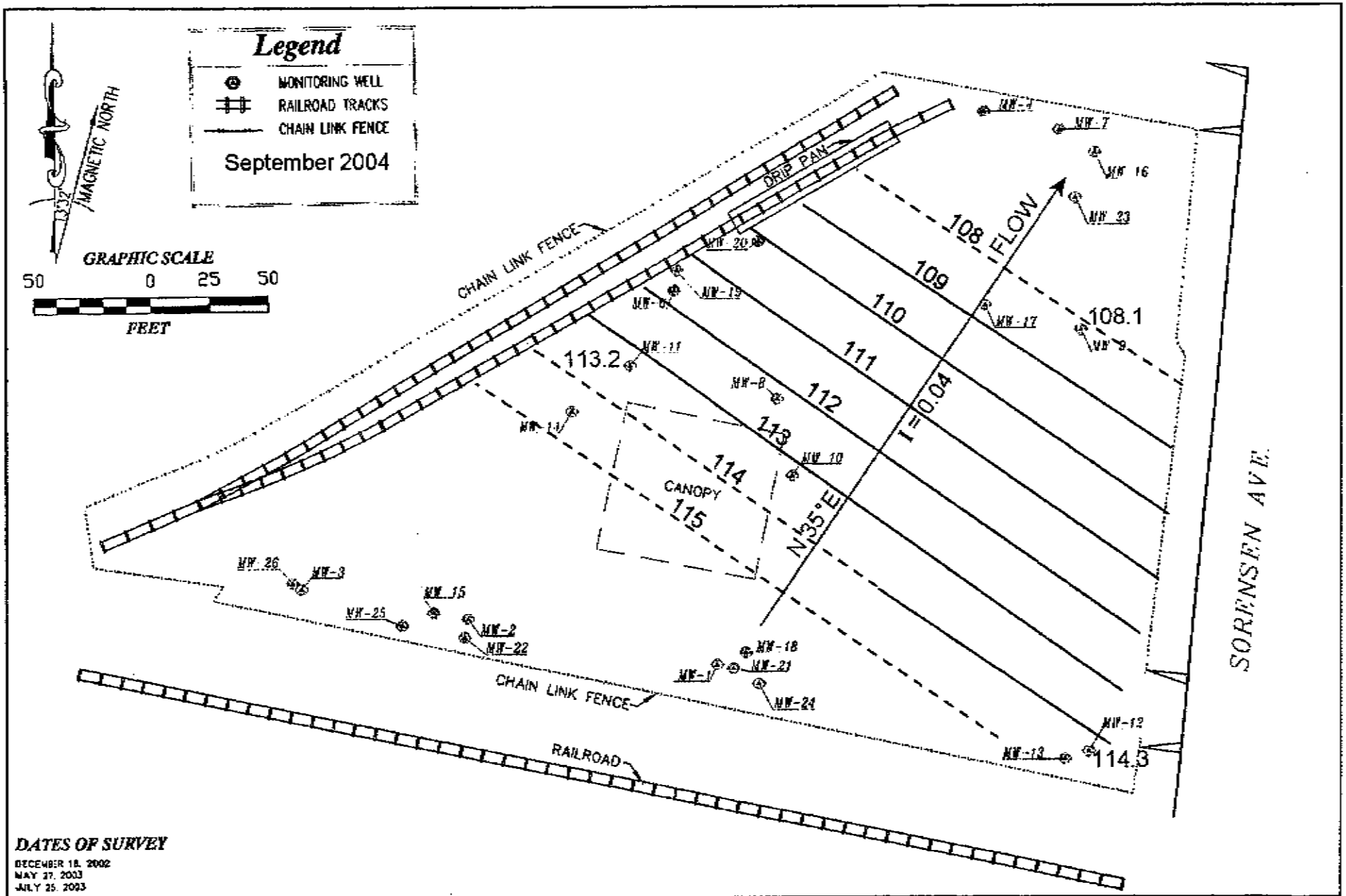


MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	IND (ELEVATION)
MW-1	[illegible]	[illegible]	149.88	150.30	150.14	
MW-4	[illegible]	[illegible]			150.43	
MW-2	[illegible]	[illegible]	150.48	150.10	150.03	
MW-3	[illegible]	[illegible]	150.78	151.29	151.12	
MW-5	[illegible]	[illegible]	149.27	149.97	149.78	
MW-6	[illegible]	[illegible]	149.39	149.97		149.66
MW-7	[illegible]	[illegible]	149.39	149.84	149.66	
MW-8	[illegible]	[illegible]	149.80	150.50	150.37	
MW-9	[illegible]	[illegible]	149.38	149.40	149.36	
MW-10	[illegible]	[illegible]	149.41	149.94		149.53
MW-11	[illegible]	[illegible]	149.42	149.97		149.44
MW-12	[illegible]	[illegible]	150.00	150.46	150.25	
MW-13	[illegible]	[illegible]	150.31	150.84	150.37	
MW-14	[illegible]	[illegible]	150.00	150.97	150.55	
MW-15	[illegible]	[illegible]	150.00	150.84	150.66	
MW-16	[illegible]	[illegible]	150.37	150.73	150.66	
MW-17	[illegible]	[illegible]	149.00	149.97	149.33	
MW-18	[illegible]	[illegible]	149.00	150.00		150.03
MW-19	[illegible]	[illegible]	149.26	149.61		149.64
MW-20	[illegible]	[illegible]	149.14	149.96	149.53	
MW-21	[illegible]	[illegible]	150.00	150.31	150.38	

NOTE:
MW-7 ABANDONED

CPT LOCATION			
CPT	NORTH	EAST	ELEVATION
CPT-1	[illegible]	[illegible]	[illegible]
CPT-1A	[illegible]	[illegible]	[illegible]
CPT-2	[illegible]	[illegible]	[illegible]
CPT-3	[illegible]	[illegible]	[illegible]
CPT-4	[illegible]	[illegible]	[illegible]
CPT-5	[illegible]	[illegible]	[illegible]
CPT-6	[illegible]	[illegible]	[illegible]
CPT-7	[illegible]	[illegible]	[illegible]
CPT-8	[illegible]	[illegible]	[illegible]
CPT-9	[illegible]	[illegible]	[illegible]
CPT-10	[illegible]	[illegible]	[illegible]
CPT-11	[illegible]	[illegible]	[illegible]
CPT-11A	[illegible]	[illegible]	[illegible]
CPT-12	[illegible]	[illegible]	[illegible]
CPT-13	[illegible]	[illegible]	[illegible]
CPT-13A	[illegible]	[illegible]	[illegible]
CPT-14	[illegible]	[illegible]	[illegible]
CPT-15	[illegible]	[illegible]	[illegible]
CPT-16	[illegible]	[illegible]	[illegible]
CPT-17	[illegible]	[illegible]	[illegible]
CPT-18	[illegible]	[illegible]	[illegible]
CPT-19	[illegible]	[illegible]	[illegible]
CPT-20	[illegible]	[illegible]	[illegible]
CPT-21	[illegible]	[illegible]	[illegible]
CPT-22	[illegible]	[illegible]	[illegible]
CPT-22A	[illegible]	[illegible]	[illegible]
CPT-23	[illegible]	[illegible]	[illegible]
CPT-24	[illegible]	[illegible]	[illegible]
CPT-25	[illegible]	[illegible]	[illegible]
CPT-26	[illegible]	[illegible]	[illegible]
CPT-27	[illegible]	[illegible]	[illegible]
CPT-28	[illegible]	[illegible]	[illegible]
CPT-29	[illegible]	[illegible]	[illegible]
CPT-30	[illegible]	[illegible]	[illegible]
CPT-31	[illegible]	[illegible]	[illegible]
CPT-32	[illegible]	[illegible]	[illegible]
CPT-33	[illegible]	[illegible]	[illegible]
CPT-34	[illegible]	[illegible]	[illegible]
CPT-35	[illegible]	[illegible]	[illegible]
CPT-36	[illegible]	[illegible]	[illegible]
CPT-37	[illegible]	[illegible]	[illegible]
CPT-38	[illegible]	[illegible]	[illegible]
CPT-39	[illegible]	[illegible]	[illegible]

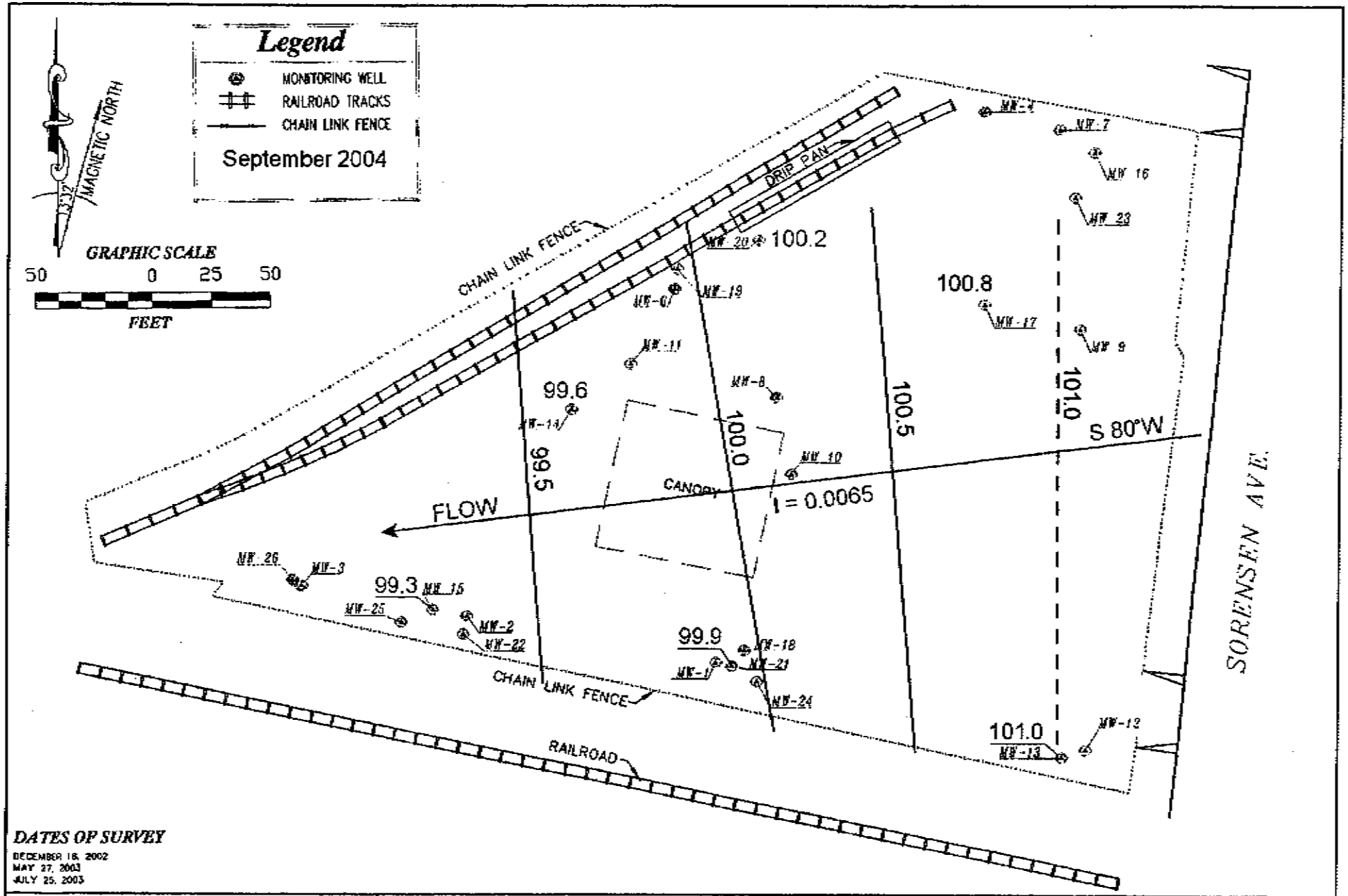
BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]



DATES OF SURVEY

DECEMBER 18, 2002
MAY 27, 2003
JULY 25, 2003

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



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

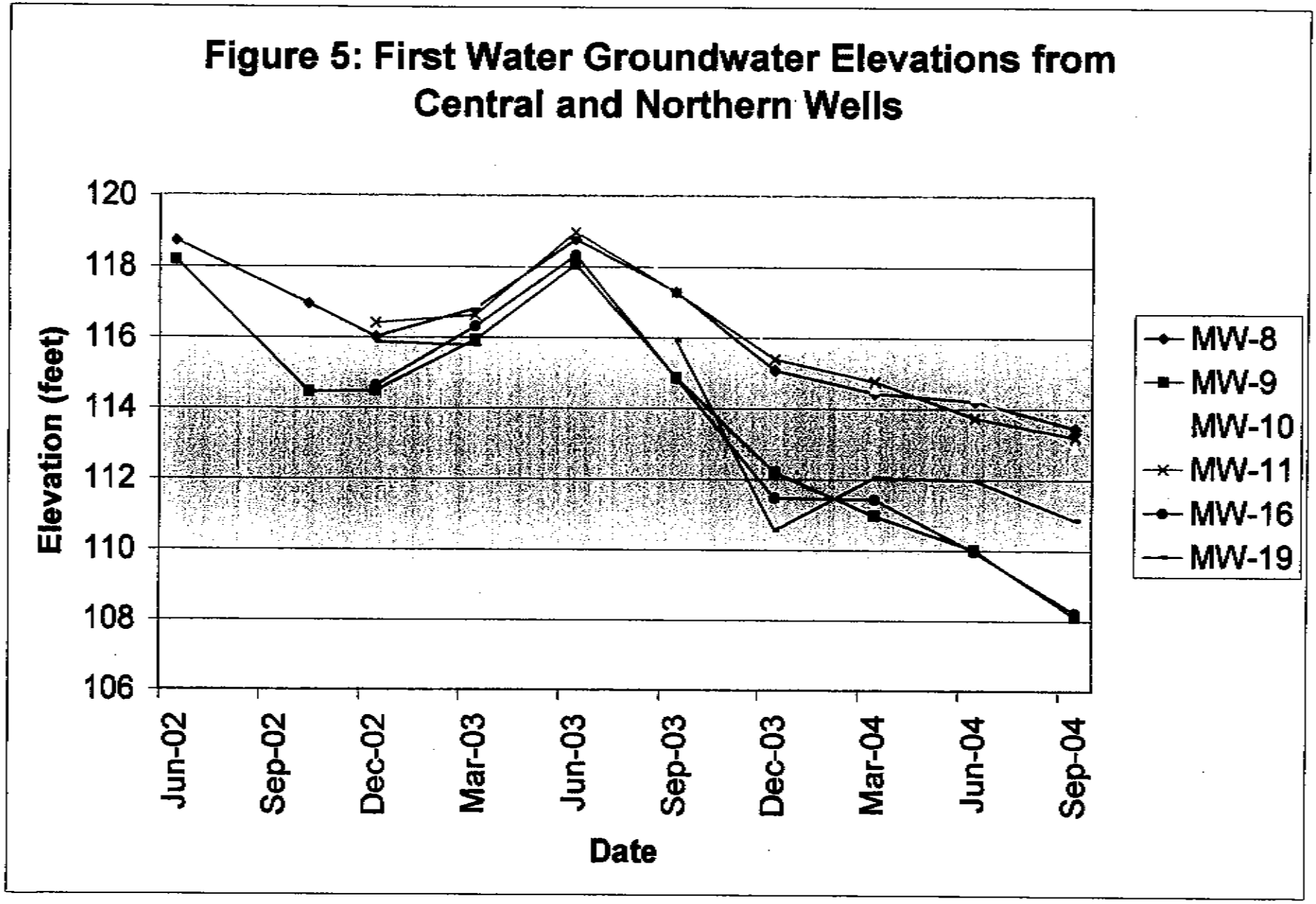


Figure 5: First Water Groundwater Elevations from Central and Northern Wells
Elevation (feet)
120
118
116
114
112
110
108
106
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-8
MW-9
MW-10
MW-11
MW-16
MW-19

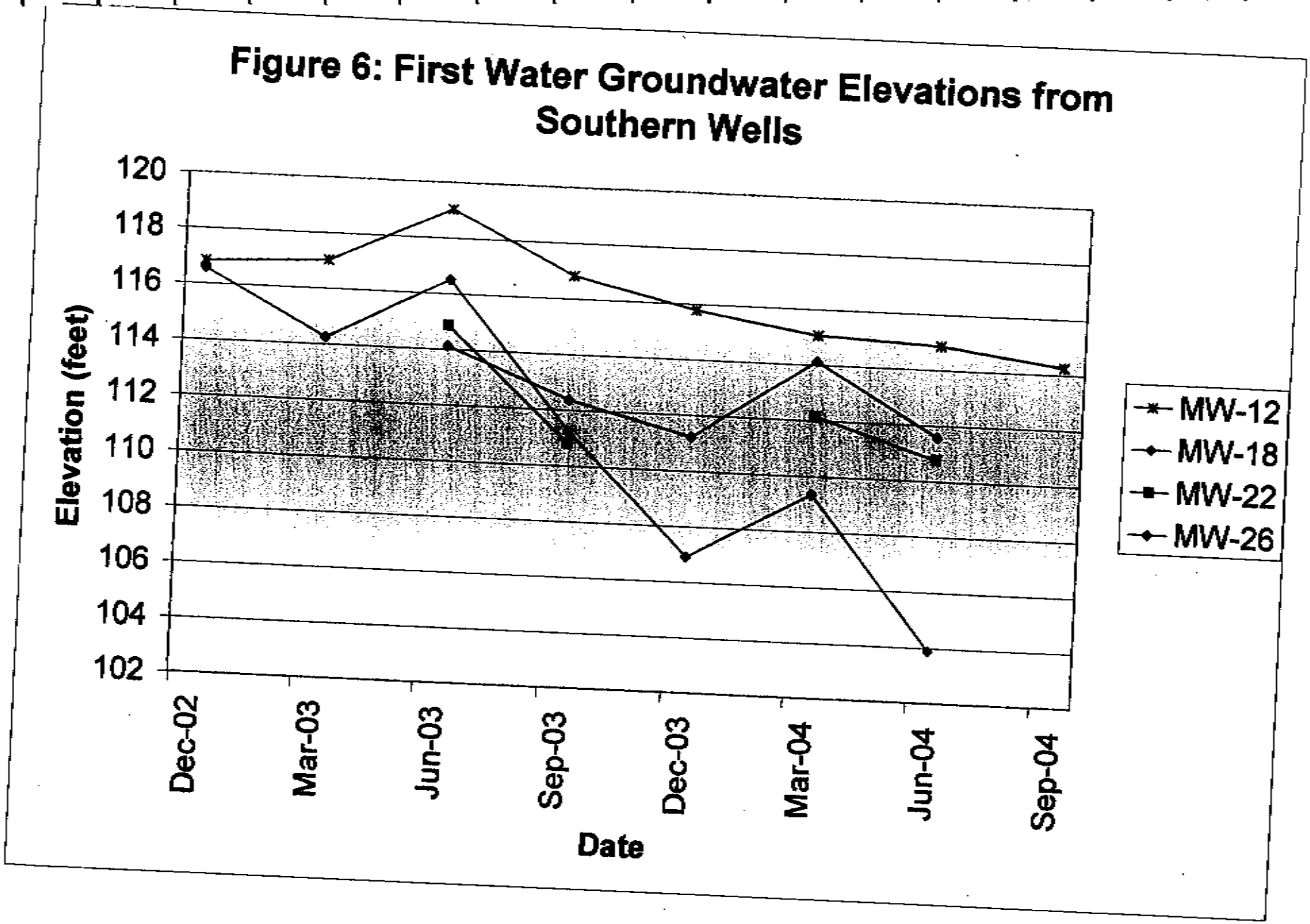


Figure 6: First Water Groundwater Elevations from Southern Wells
Elevation (feet)
120
118
116
114
112
110
108
106
104
102
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-12
MW-18
MW-22
MW-26

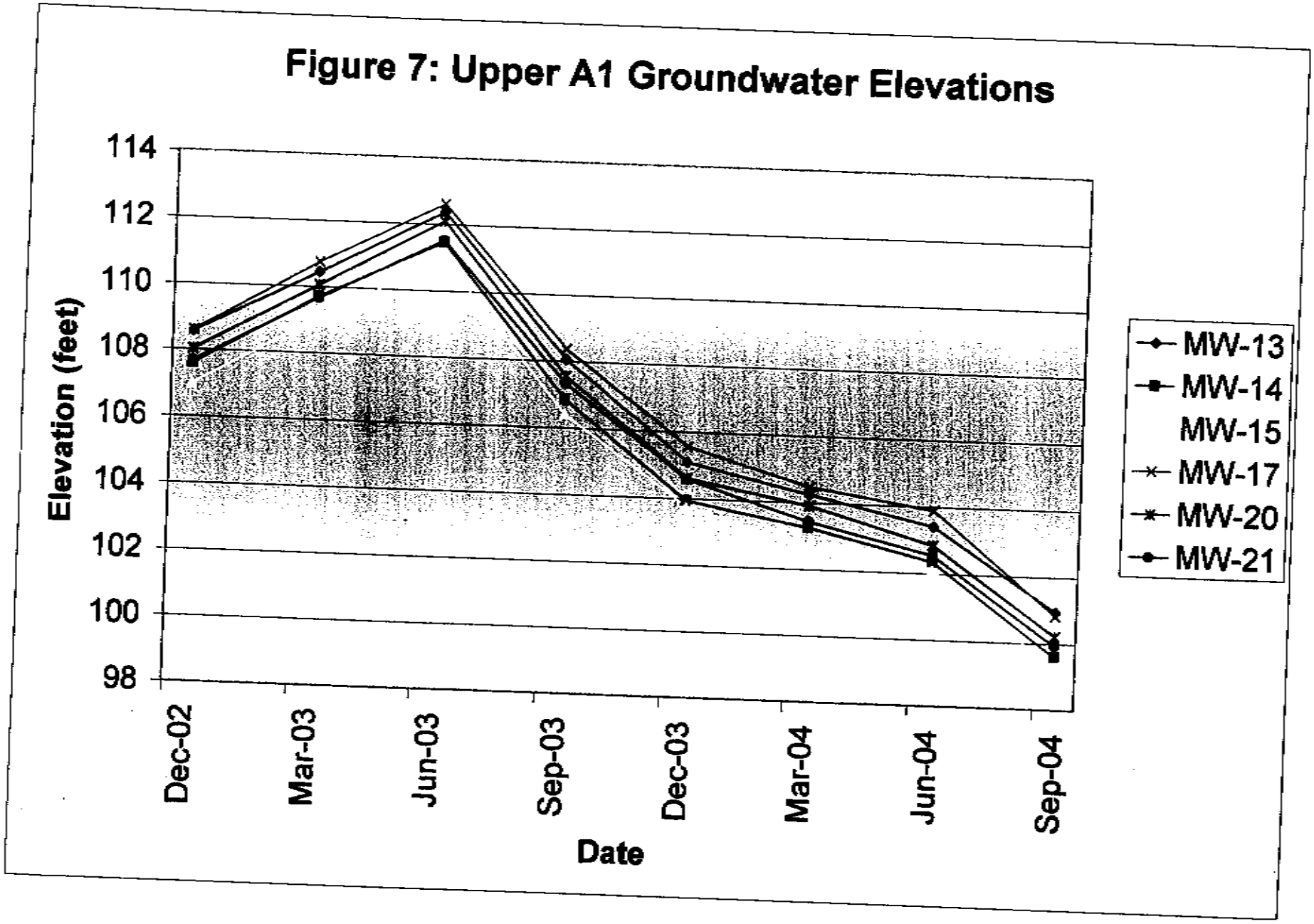


Figure 7: Upper A1 Groundwater Elevations
Elevation (feet)
114
112
110
108
106
104
102
100
98
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21

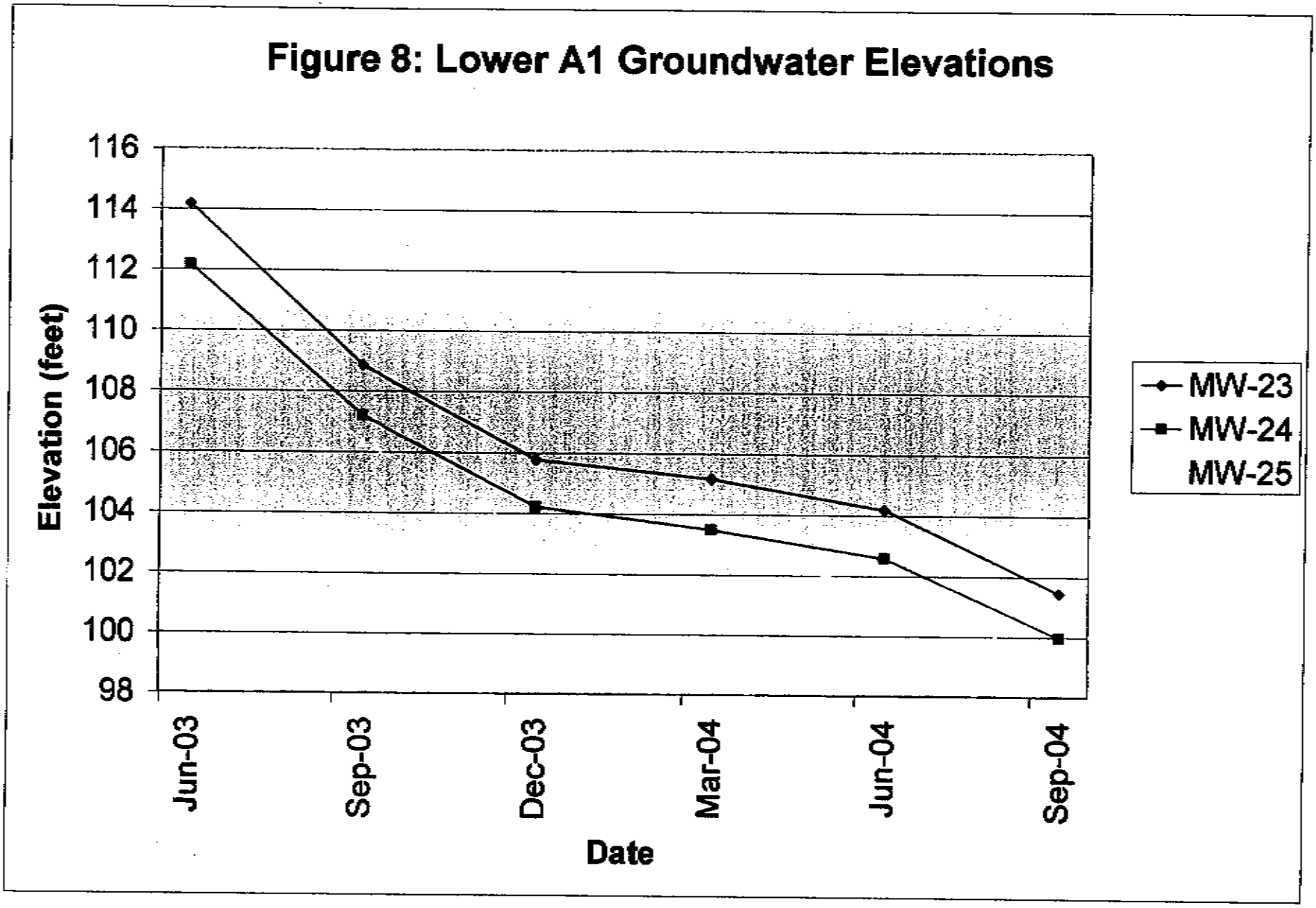
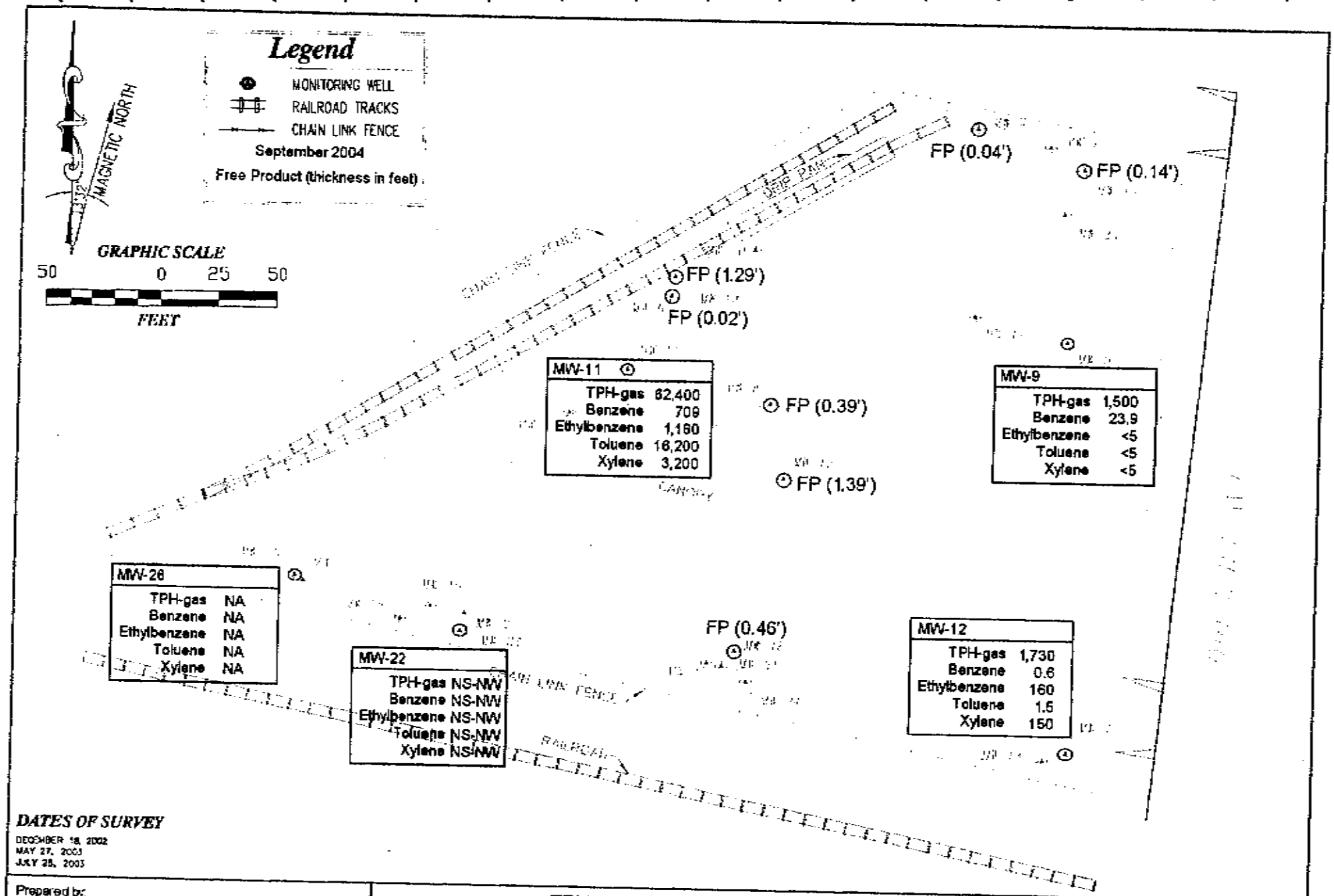


Figure 8: Lower A1 Groundwater Elevations
116
114
112
110
108
106
104
102
100
98
Elevation (feet)
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-23
MW-24
MW-25

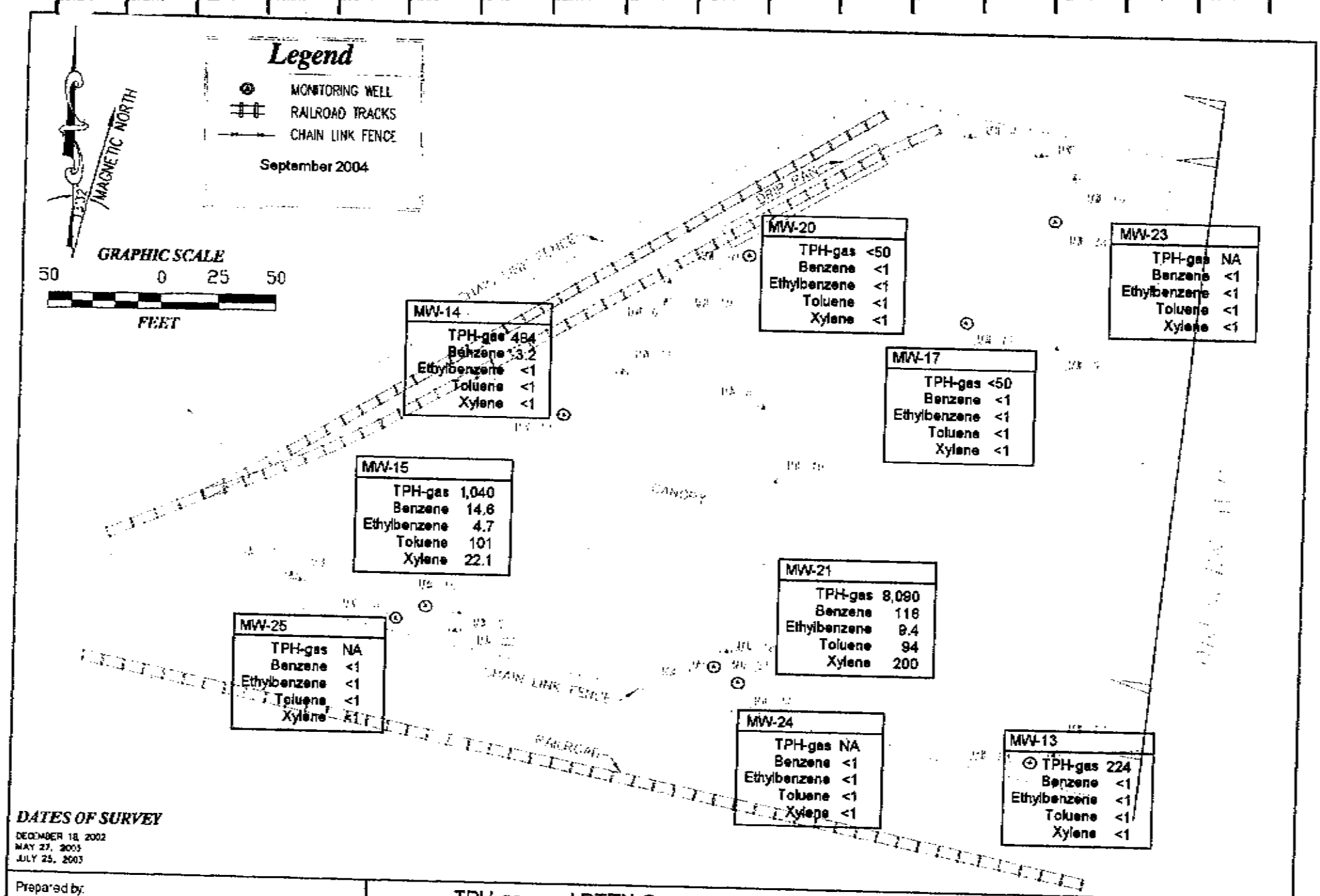


Prepared by:
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

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

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

FIGURE 9

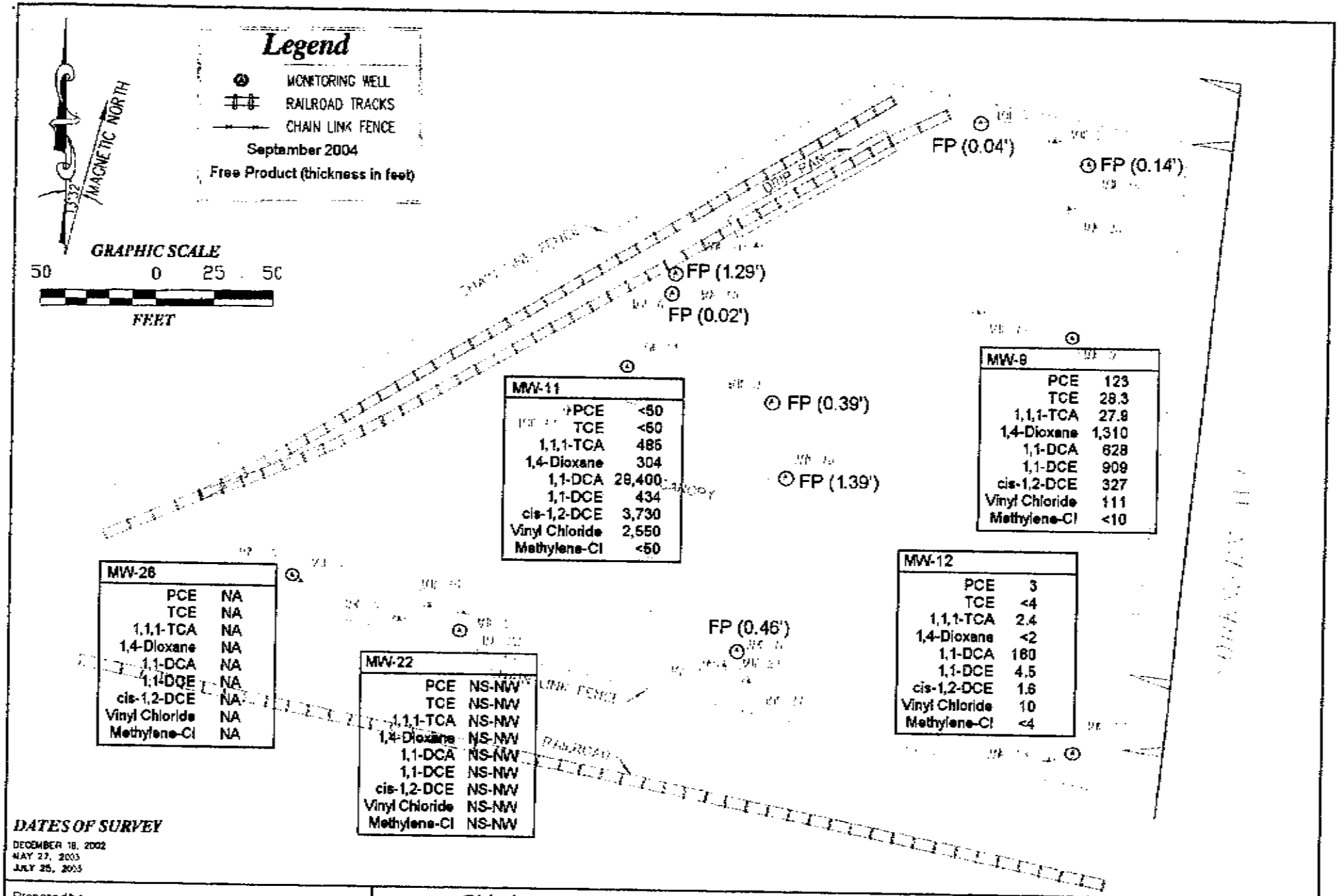


Prepared by:
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

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

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

FIGURE 10

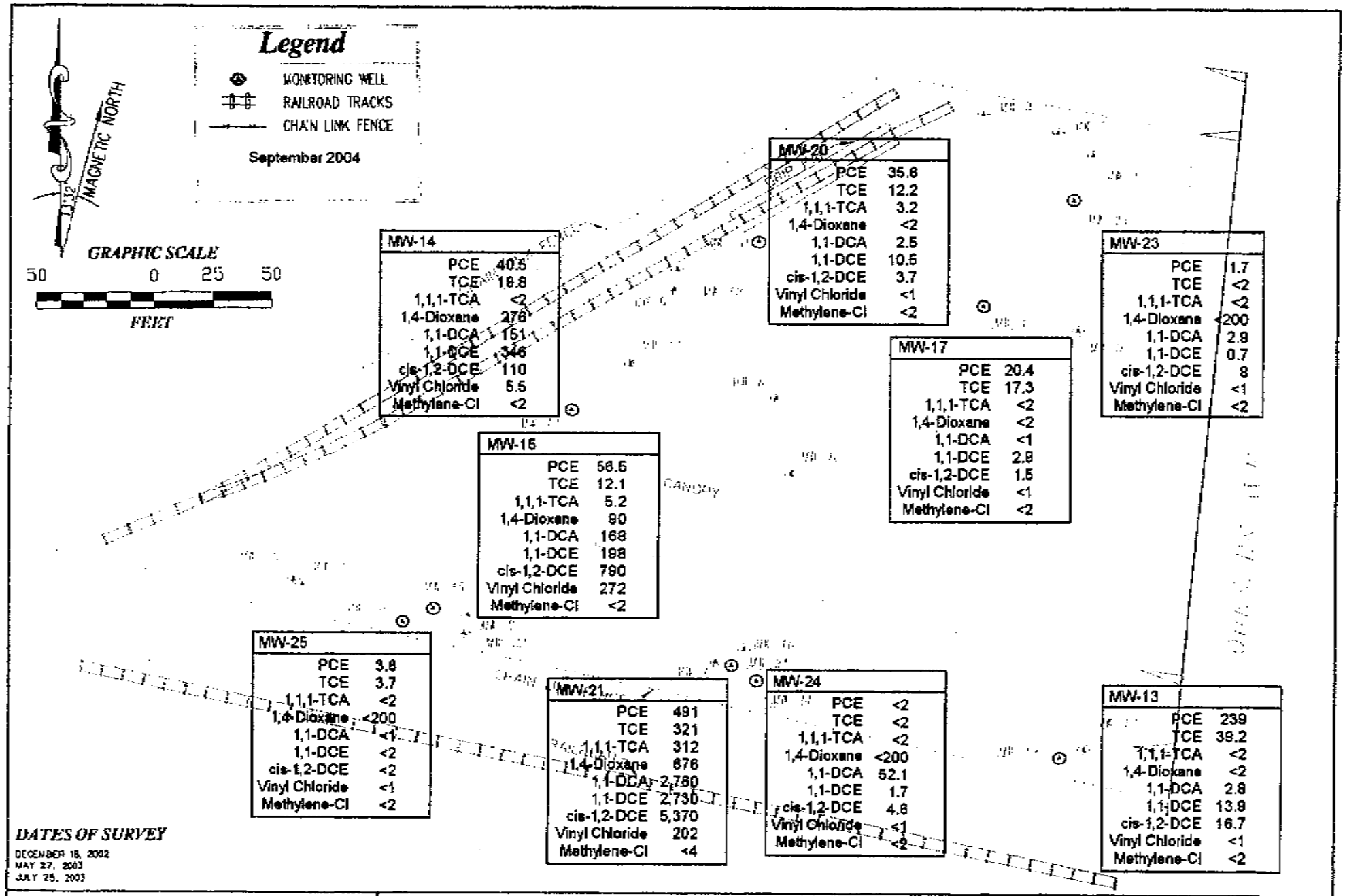


Prepared by:
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

Chlorinated VOCs and 1,4-Dioxane Concentrations in First Water (µg/L)

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

FIGURE 11



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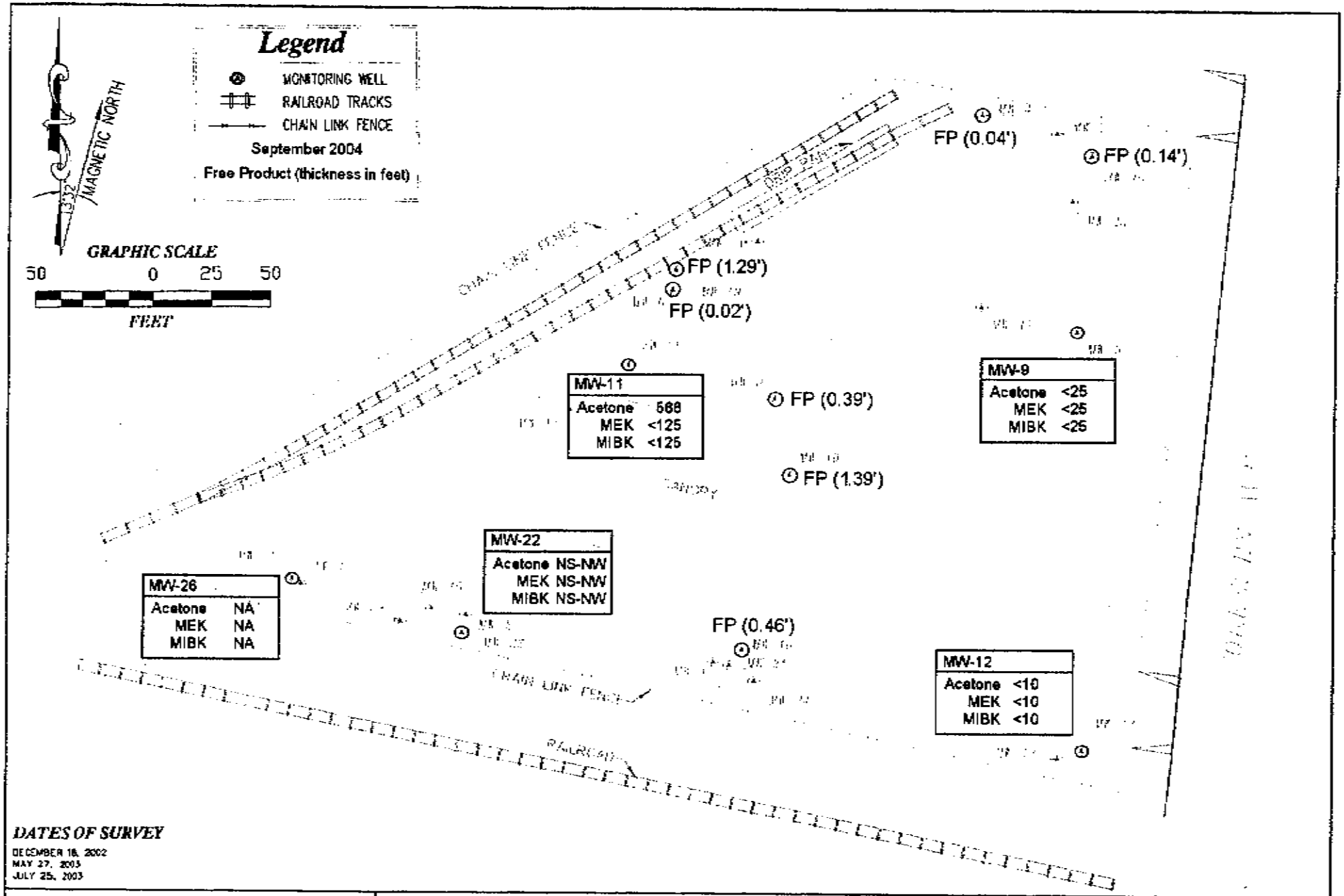
Chlorinated VOCs and 1,4-Dioxane Concentrations in Upper and Lower A1 Zones (µg/L)

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

FIGURE 12

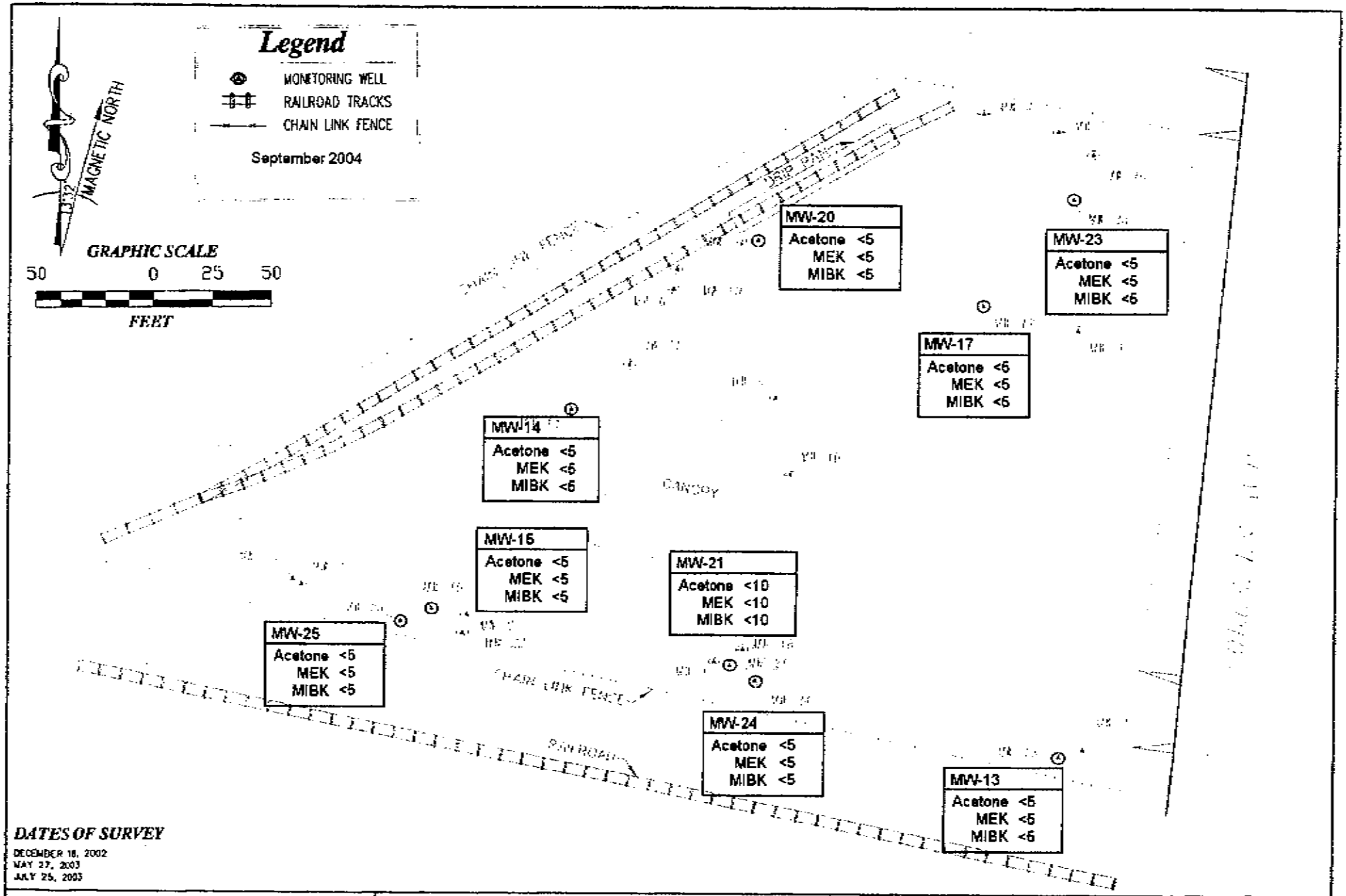


Prepared by:
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

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

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

FIGURE 13



Prepared by:
Clean Soil, Inc.
4359 Phelan Road, Phelan, CA 92371

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

APPENDIX
A

WELL GAUGING DATA

Project # 040913-CG1 Date 9/13/04 Client Blakely Env.

Site Angeles Chem. Company

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-23	4					46.98	80.00	TOC	
MW-24	4					49.93	76.82		
MW-25	4					51.62	80.95		
MW-20	2					48.92 ~~49.13~~ cc	58.97 ~~59.18~~ cc		
MW-17	2					48.21	58.03		
MW-12	2					35.82	45.92		
MW-13	2					49.27	62.46		
MW-14	2					51.06	56.91		
MW-15	2					51.32	64.65		
MW-9	4					41.05	45.76		
MW-21	2					50.09	55.90		
MW-22	2					Dry	40.16		
MW-26			— unable to access well —						
MW-11	2					35.92	38.03		
MW-4	4		26.38			26.42	—		
MW-16	2		39.96			40.10	—		
MW-6			— unable to locate well —						

WELL GAUGING DATA

Project # 040913-CG1 Date 9/13/04 Client Blakely Env.

Site Angeles Chemical Company

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-8	4		35.79			36.18	—	TOC	
MW-10	4		35.14			36.53	—		
MW-19	2		37.05			38.34	—		
MW-18	2		45.76				46.22		

WELL MONITORING DATA SHEET

Project #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/14/04
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 45.76	Depth to Water (DTW): 41.05
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]: 41.99	

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= ___

3.0 (Gals.) X 3 = 9.0 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
1025	73.98	6.89	2511	13	1.45	-52.3	0.5	
1028	73.82	6.81	2505	8	0.41	-76.6	3.0	slowed pump
1037	75.49	6.84	2577	64	0.20	-116.4	6.0	
		-well dewatered @ 6.5 gals-						
1240	75.76	6.67	2558	71000	3.82	-52.7	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6.5

Sampling Date: 9/14/04 Sampling Time: 1240 Depth to Water: 44.53 (2 hrs)

Sample I.D.: MW-9 Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): MW-2 @ 1220

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 #: 040913-(G1)	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 38.03	Depth to Water (DTW): 35.92
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]: 36.34	

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=_____

0.3 (Gals.) X 3 = 0.9 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
1619	75.18	6.73	2324	85	6.42	-138.0	0.5	odor
1623	73.32	6.70	2338	100	5.89	-137.5	1.0	↓
1628	73.38	6.65	2374	135	2.37	-137.4	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 9/13/04 Sampling Time: 1635 Depth to Water: 36.14

Sample I.D.: MW-11 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 #: 040913-C61	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 45.92	Depth to Water (DTW): 35.82
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]: 37.84	

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= _____

1.6 (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 (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1446	77.07	6.97	1169	138	0.90	-182.0	0.5	odor
1449	74.72	7.09	1133	>1000	0.39	-231.5	2.0	
1451	74.67	7.08	1157	32	0.34	-249.5	3.0	
1453	74.59	7.05	1167	28	0.30	-257.8	4.0	
1454	74.63	7.00	1171	30	0.29	-263.0	5.0	

Did well dewater? Yes (No) Gallons actually evacuated: 5.0

Sampling Date: 9/13/04 Sampling Time: 1503 Depth to Water: 36.30

Sample I.D.: MW-12 Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): MW-1 @ 1515

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 #: 040913-GG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 62.46	Depth to Water (DTW): 49.27
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]: 51.90	

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=_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1529	76.75	6.99	2058	>1000	9.42	8.5	0.5	
1532	75.34	6.82	2048	>1000	6.26	-44.4	2.0	
1535	74.66	6.80	2027	>1000	6.44	-64.9	4.0	
1537	74.11	6.78	2017	>1000	6.61	-70.1	6.0	
1538	74.09	6.79	2014	>1000	6.55	-71.4	7.0	

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

Sampling Date: 9/13/04 Sampling Time: 1545 Depth to Water: 49.33

Sample I.D.: MW-13 Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): EB-1 @ 1600 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/14/04
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 56.91	Depth to Water (DTW): 51.06
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]: 52.23	

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=_____

0.9 (Gals.) X 3 = 2.7 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
849	~~73.73~~ 73.52	6.73	1838	>1000	7.62	101.7	0.5	
851	73.32	6.70	1820	483	7.76	88.4	1.0	
853	73.73	6.67	1820	150	7.22	62.0	2.0	
855	74.01	6.74	1819	277	7.22	47.0	3.0	

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Date: 9/14/04 Sampling Time: 904 Depth to Water: 51.12

Sample I.D.: MW-14 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/14/04
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 64.65	Depth to Water (DTW): 51.32
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]: 53.98	

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

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

Flow Rate=_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
930	73.44	6.96	1953	71000	2.40	-196.3	0.5	odor
932	74.01	6.94	2035	194	0.54	-228.2	2.0	↓
936	74.00	6.84	2032	34	0.40	-196.9	4.0	↓
939	73.89	6.80	2032	16	0.34	-193.0	6.0	↓
941	73.94	6.80	2032	11	0.30	-194.0	7.0	↓

Did well dewater? Yes (No) Gallons actually evacuated: 7.0

Sampling Date: 9/14/04 Sampling Time: 950 Depth to Water: 52.10

Sample I.D.: MW-15 Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): EB-2 @ 1010 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 58.03	Depth to Water (DTW): 48.21
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]: 50.17	

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=_____

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1348	76.72	7.01	1823	582	12.26	27.7	0.5	
1352	74.84	6.82	1780	71000	8.83	-16.8	2.0	
1355	74.32	6.79	1770	595	8.66	-8.8	3.0	
1356	74.37	6.79	1776	285	8.50	-5.1	4.0	
1358	74.24	6.79	1781	491	8.33	-4.2	5.0	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 9/13/04 Sampling Time: 1407 Depth to Water: 50.05

Sample I.D.: MW-17 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-20	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 58.97	Depth to Water (DTW): 48.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type 556 YSI
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 50.93	

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=_____

1.6 (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 (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1133	74.65	6.53	1985	654 ~~400~~	9.25	36.4	0.5	
1136	74.96	6.12	1999	843	8.49	27.0	2	
1139	74.75	6.25	1994	71000	6.88	13.4	4	
1141	74.82	6.26	1997	558	6.71	11.1	5	

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

Sampling Date: 9/13/04 Sampling Time: 1152 Depth to Water: 49.03

Sample I.D.: MW-20 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/13/04
Well I.D.: MW-21	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 55.90	Depth to Water (DTW): 50.09
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]: 51.25	

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=_____

0.9 (Gals.) X 3 = 2.7 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1223	77.94	6.89	2006	>1000	4.99	-9.3	0.5	
1225	75.39	6.76	1950	>1000	3.27	-32.6	1.0	
1227	75.05	6.71	1921	174	3.42	-32.5	2.0	
1229	74.92	6.74	1906	105	3.84	-33.6	3.0	

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Date: 9/13/04 Sampling Time: 1238 Depth to Water: 50.74

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 #: 040913-CG-1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/14/04
Well I.D.: MW-22	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 40.16	Depth to Water (DTW): Dry
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=_____

_____(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
	- well is dry -							
	- No sample taken -							

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: 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 #: 040913-CG1	Site: Angeles Chemical Co.
Sampler: CG	Date: 9/14/04
Well I.D.: MW-26	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW):
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: _____

_____ (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
		-unable to access well due to						
		temp storage container positioned						
		~~above~~ over top of the wellbox -						
		-No sample taken-						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

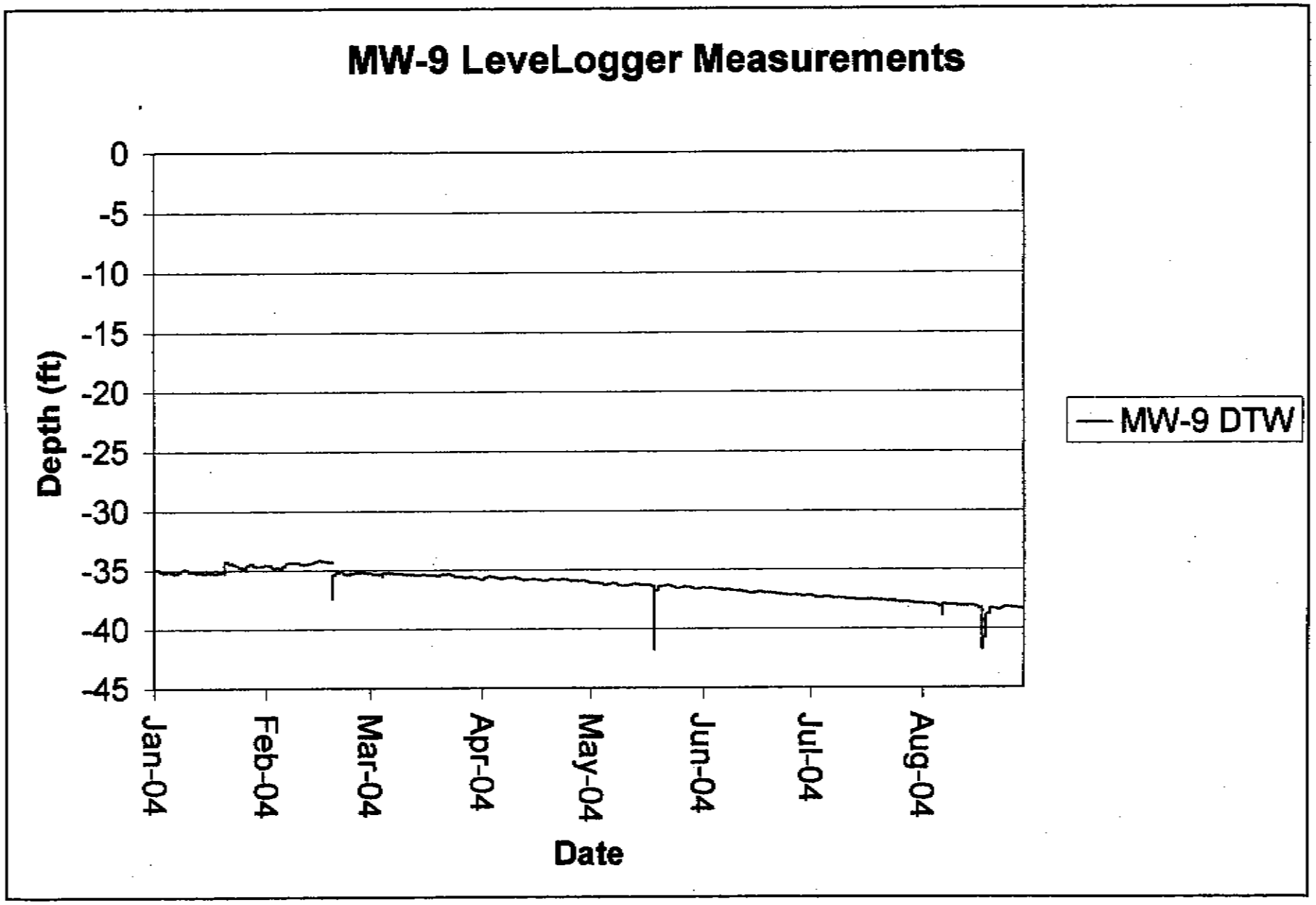
Sample I.D.: Laboratory:

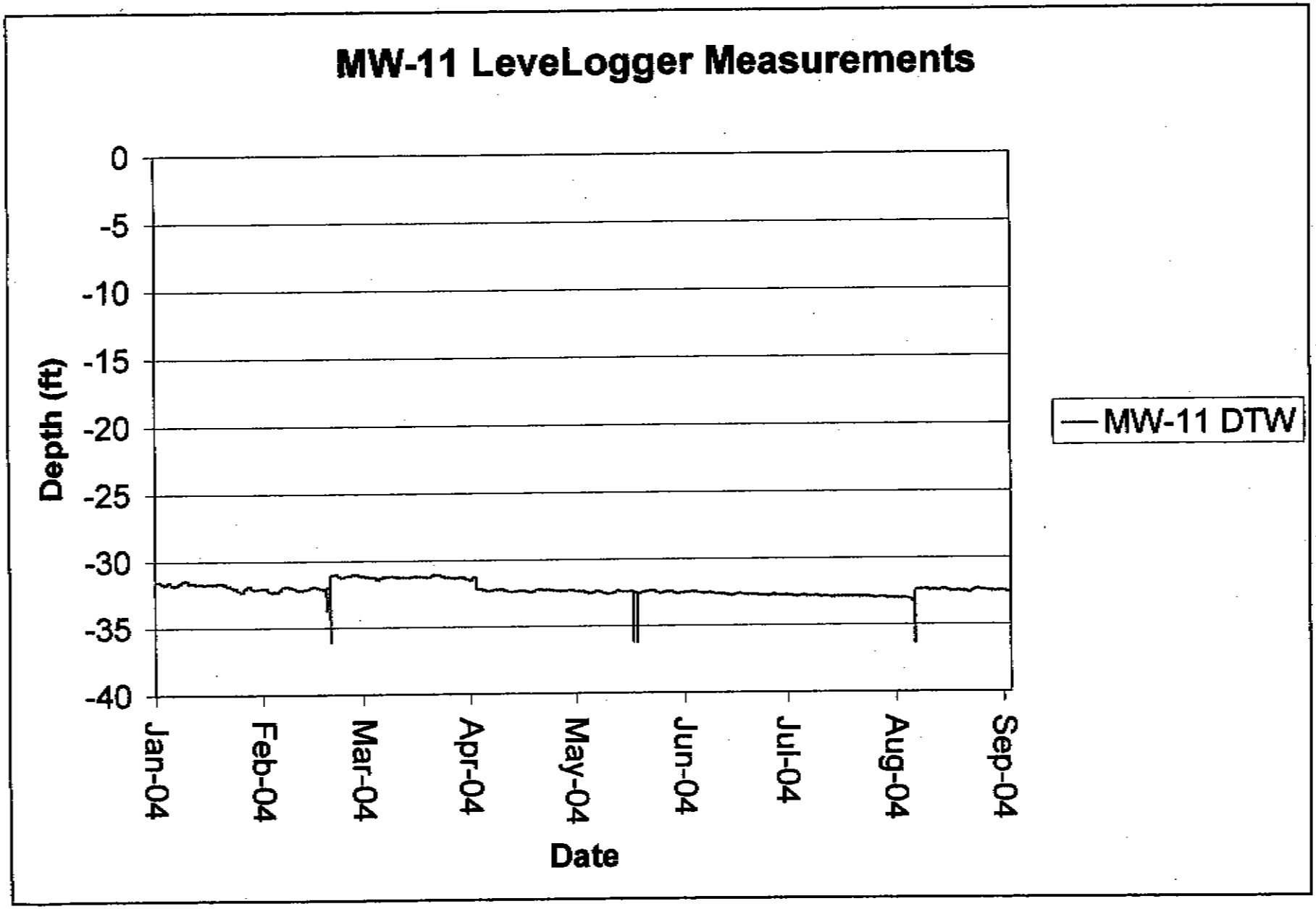
Analyzed for: Other:

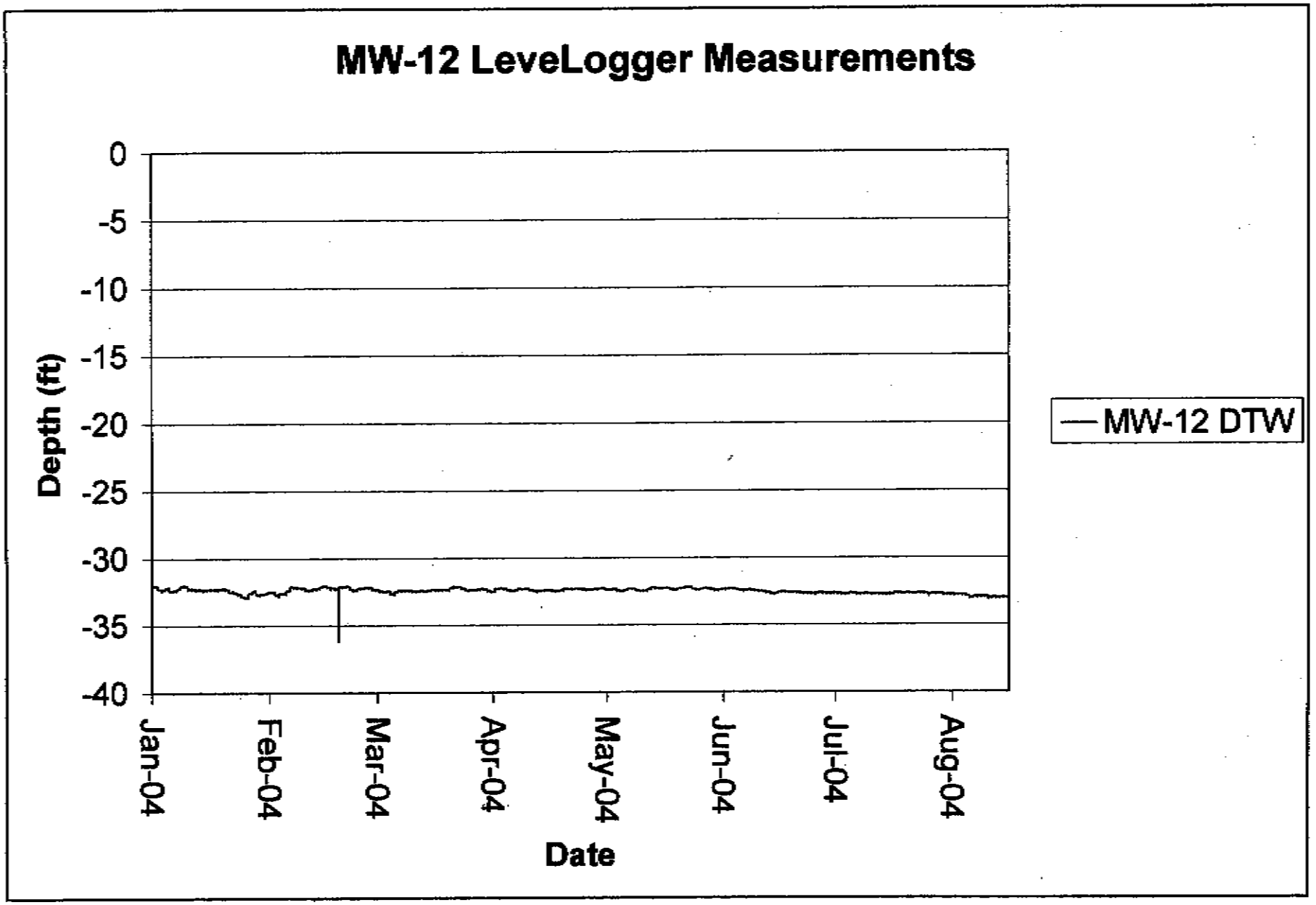
EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

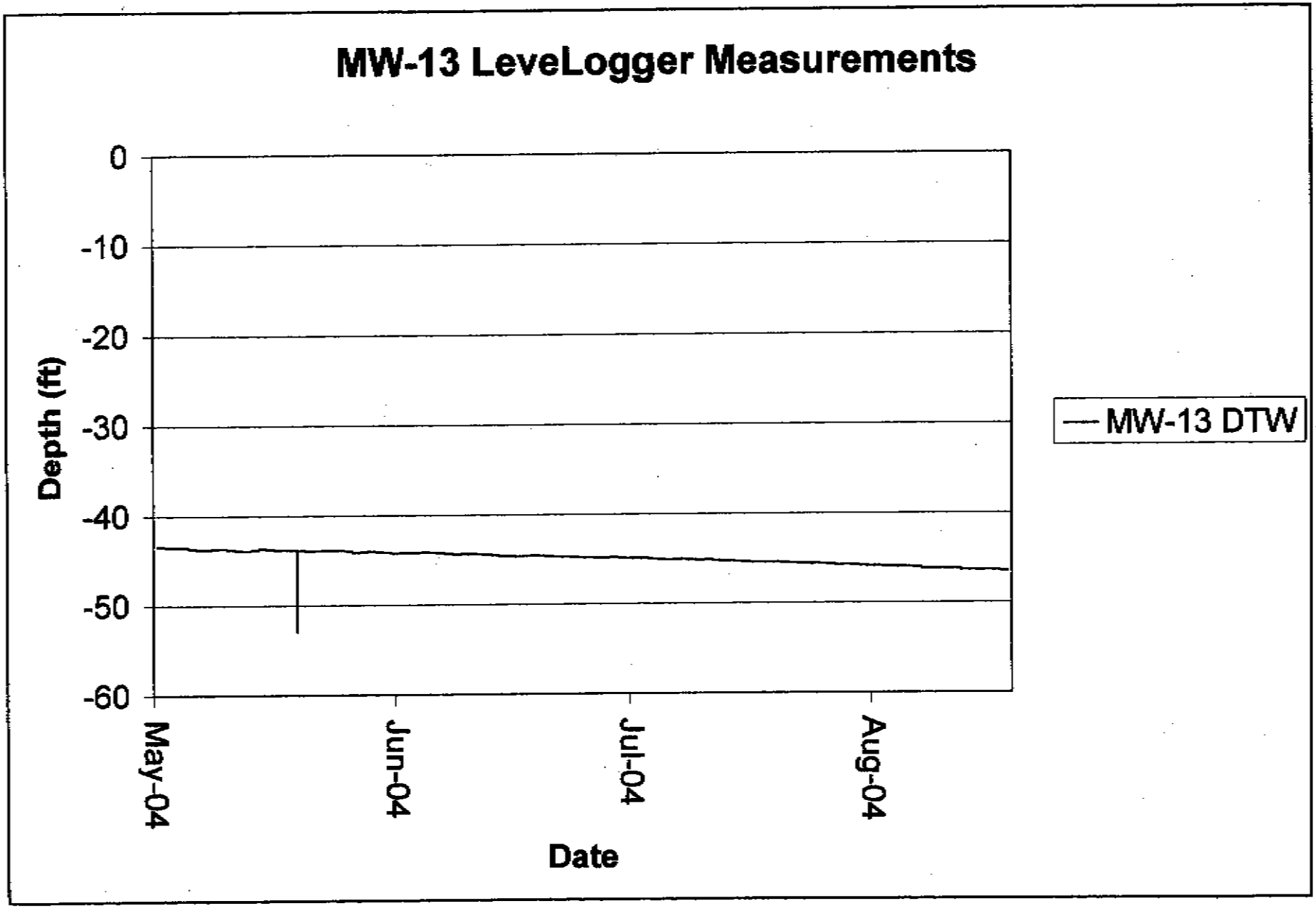
FB I.D. (if applicable): @ Time Analyzed for:

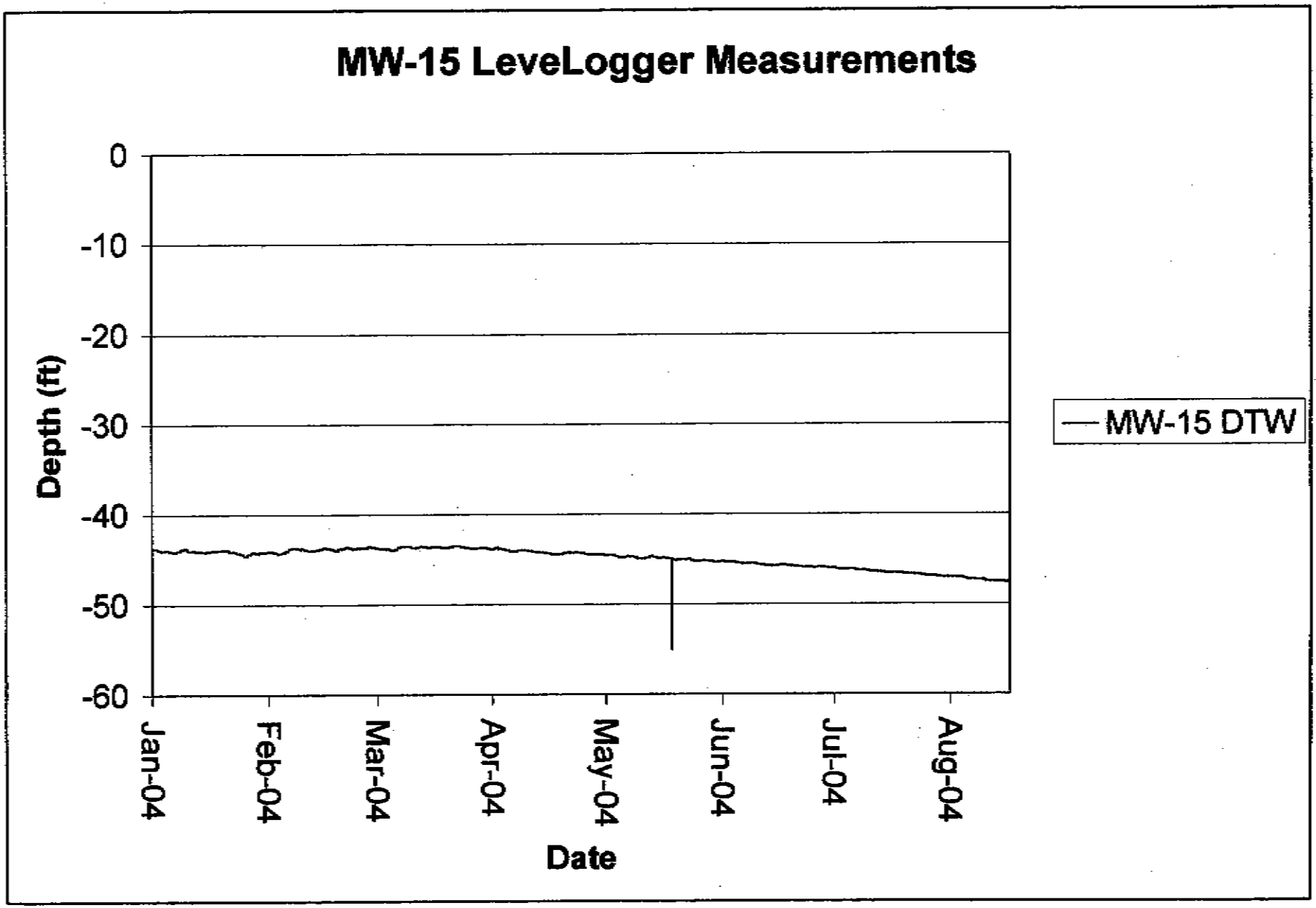
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

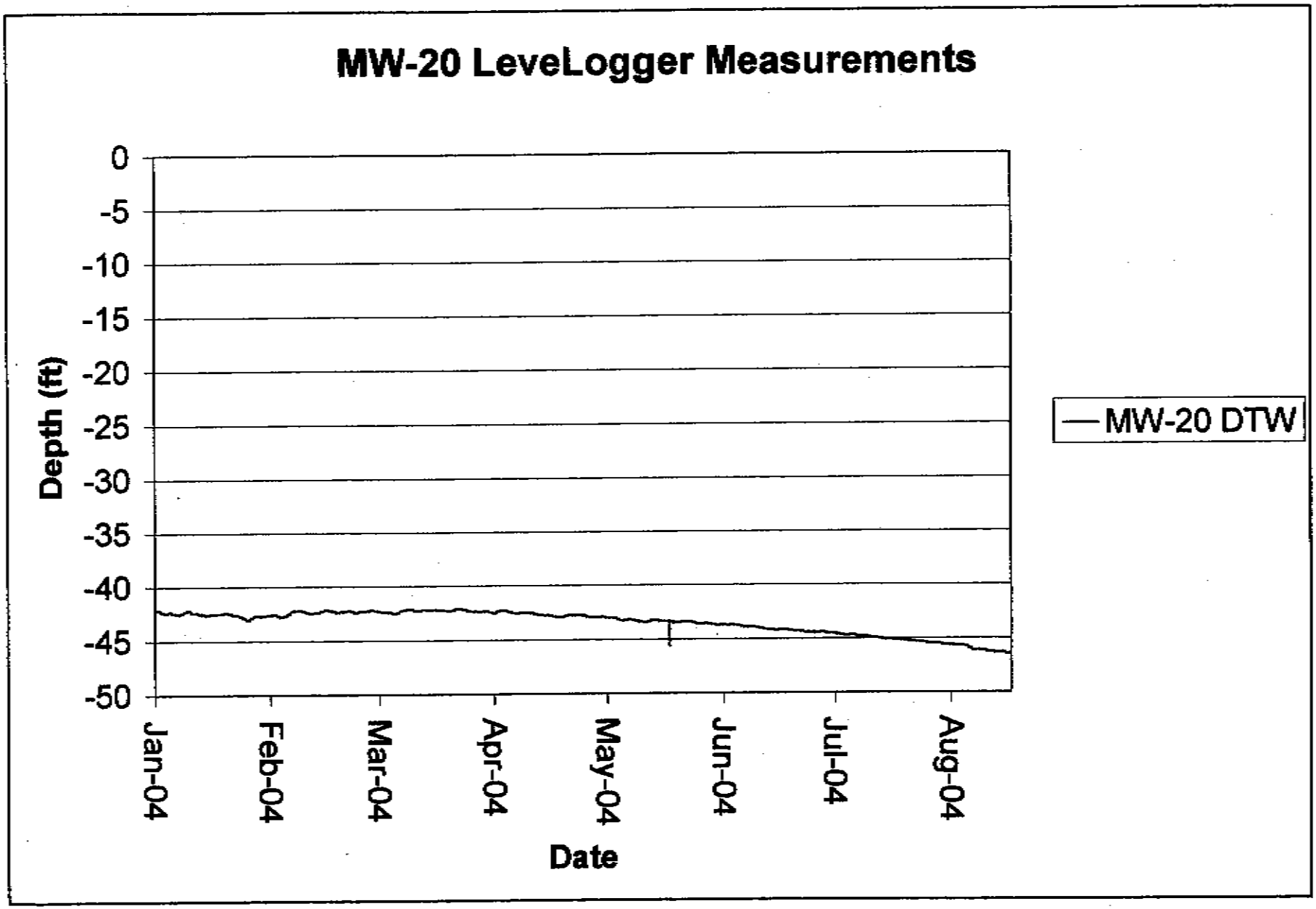

MW-9 LeveLogger Measurements
Depth (ft)
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Date
MW-9 DTW

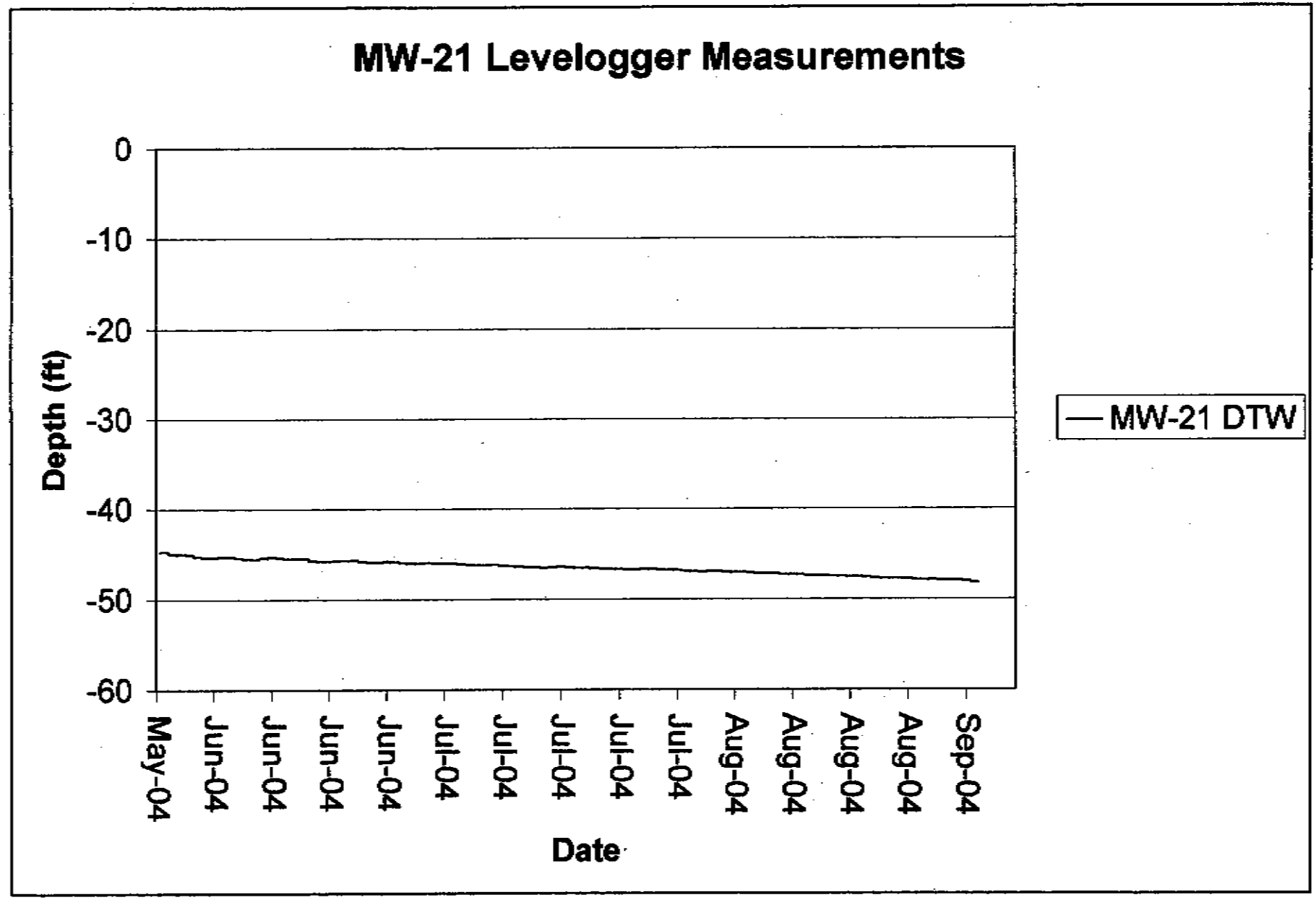

MW-11 LeveLogger Measurements
Depth (ft)
0
-5
-10
-15
-20
-25
-30
-35
-40
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Sep-04
Date
MW-11 DTW


MW-12 LeveLogger Measurements
Depth (ft)
0
-5
-10
-15
-20
-25
-30
-35
-40
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Date
MW-12 DTW

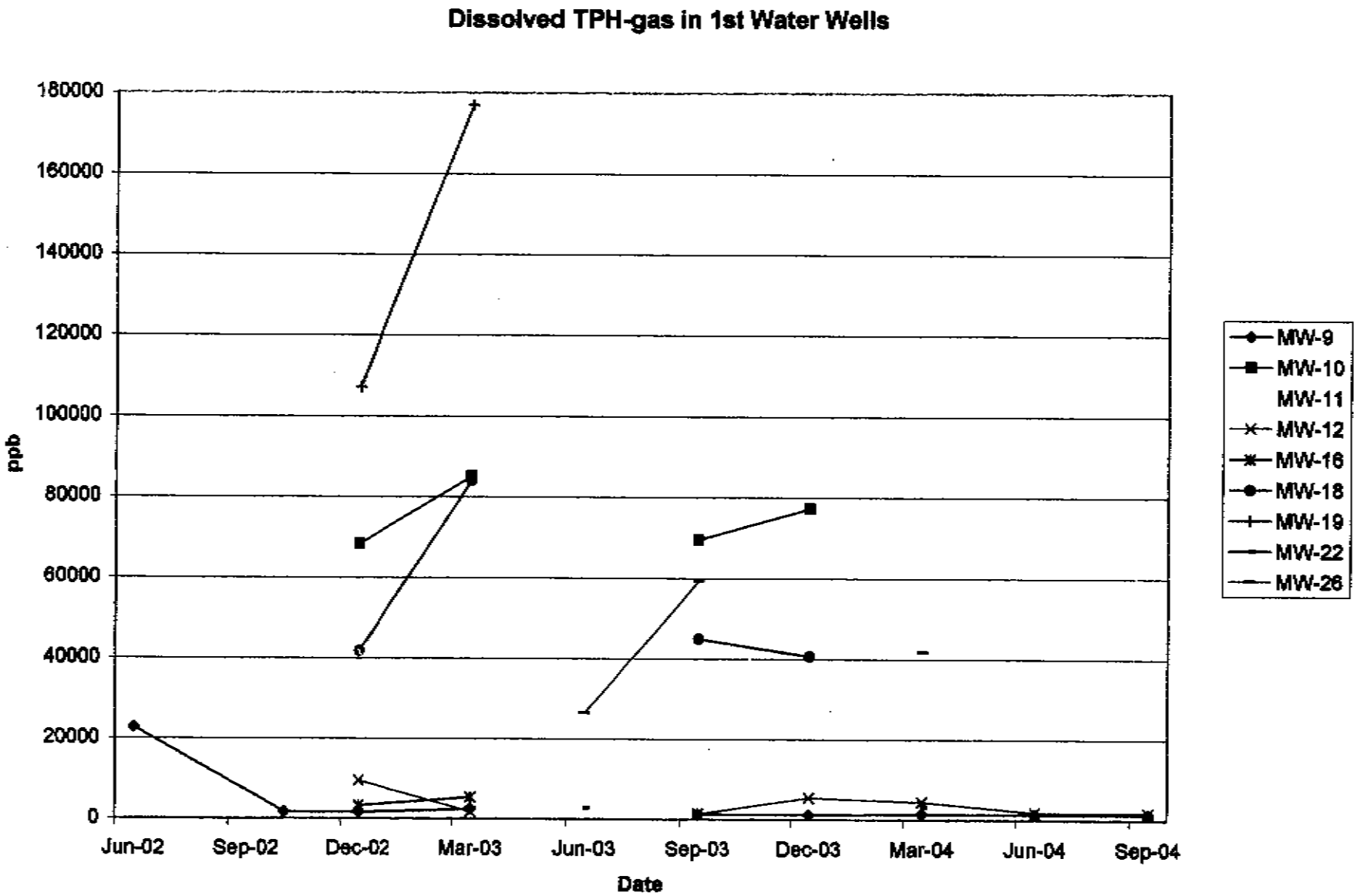

MW-13 LeveLogger Measurements
0
-10
-20
-30
-40
-50
-60
Depth (ft)
May-04
Jun-04
Jul-04
Aug-04
Date
MW-13 DTW

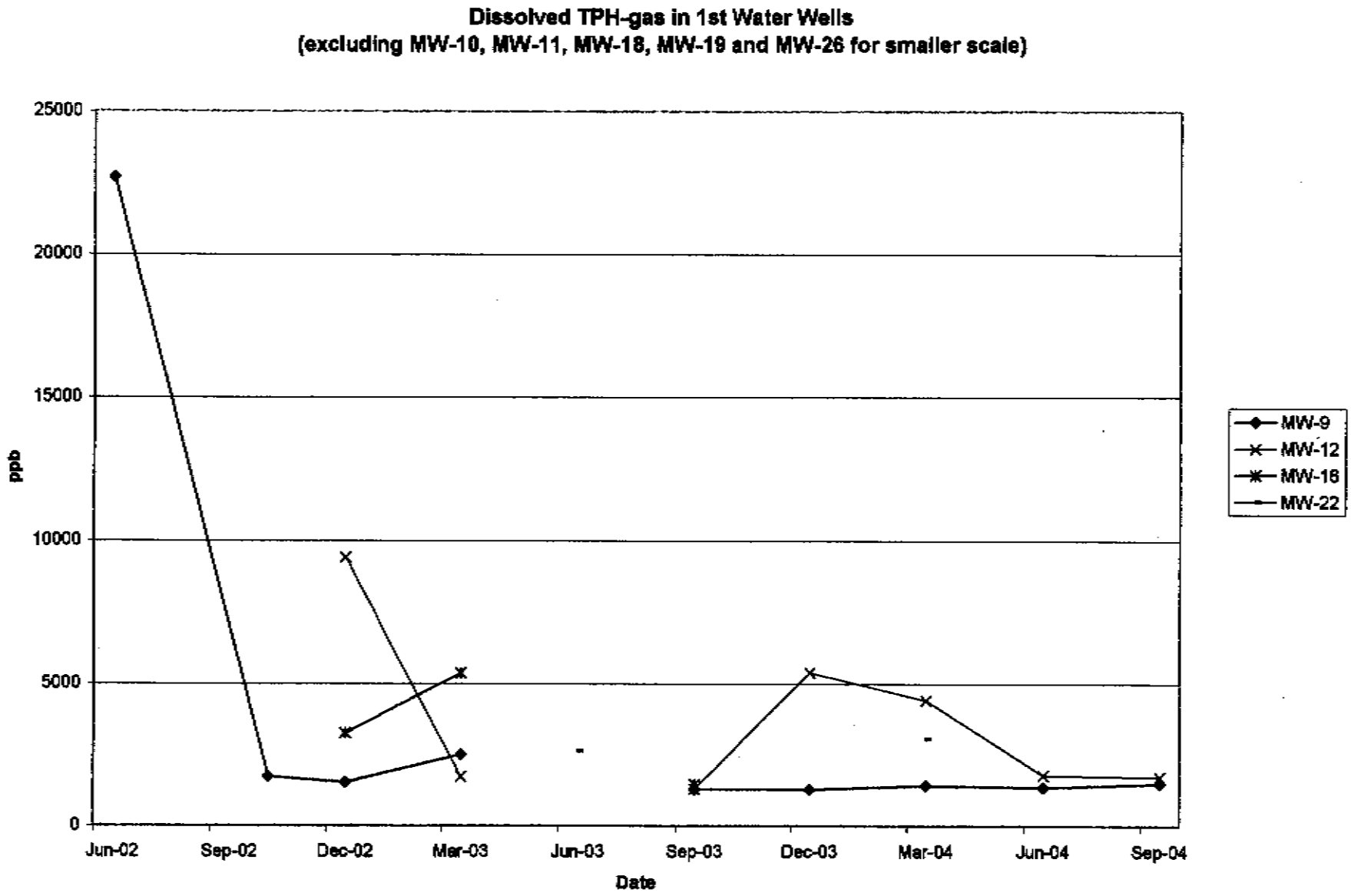

MW-15 LeveLogger Measurements
Depth (ft)
0
-10
-20
-30
-40
-50
-60
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Date
MW-15 DTW

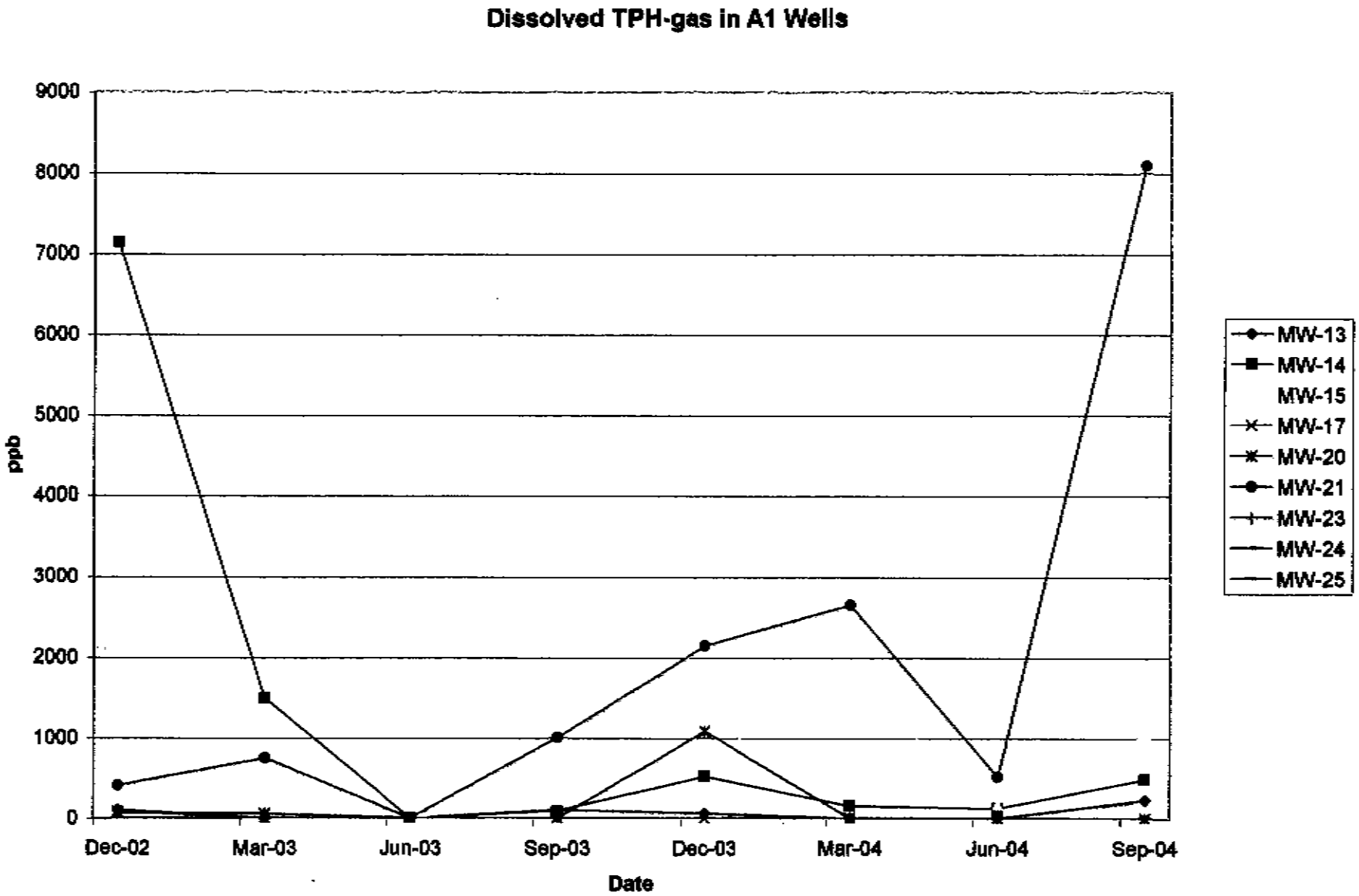

MW-20 LeveLogger Measurements
Depth (ft)
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Date
MW-20 DTW

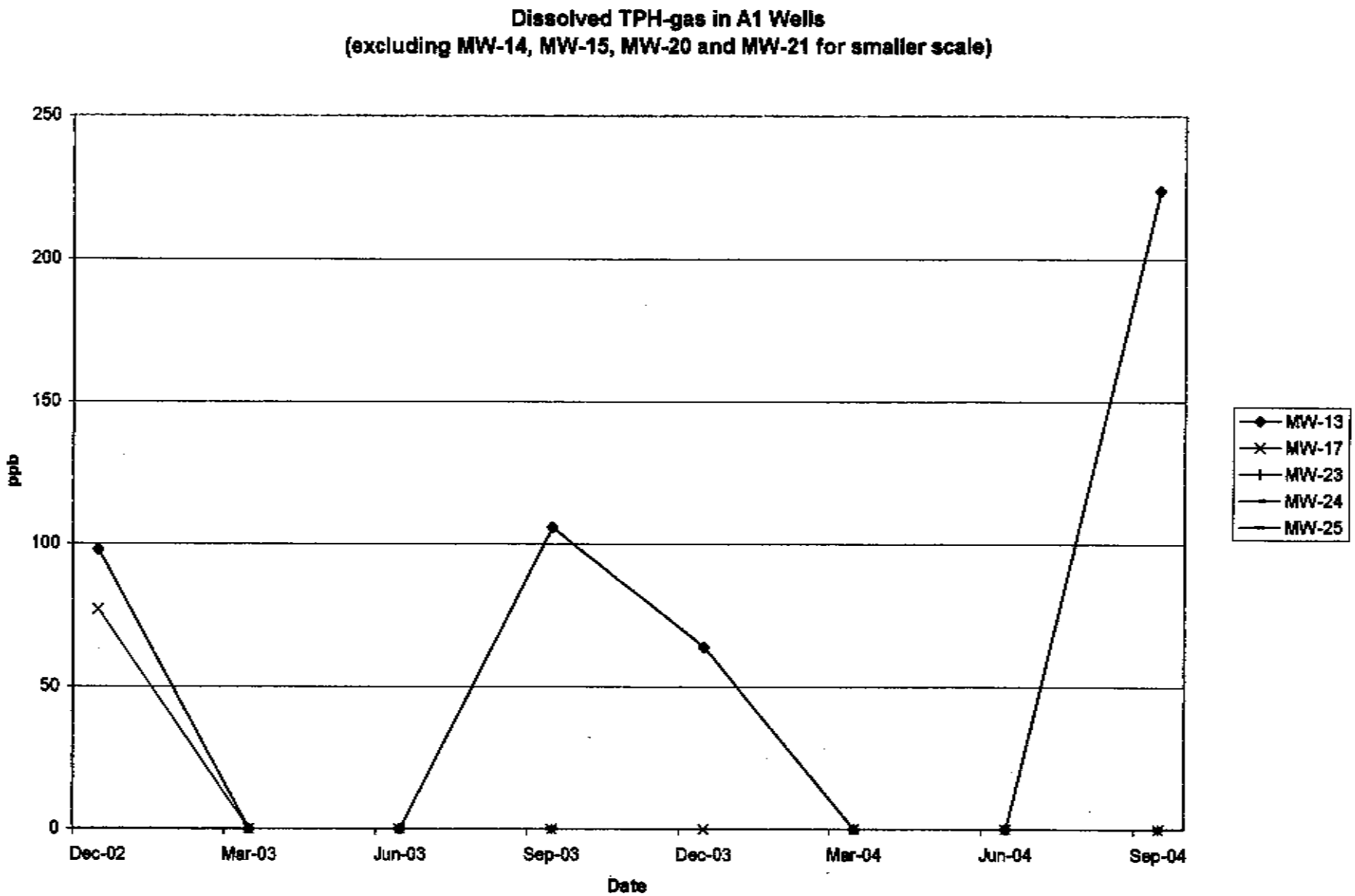

MW-21 Levelogger Measurements
Depth (ft)
0
-10
-20
-30
-40
-50
-60
May-04
Jun-04
Jun-04
Jun-04
Jun-04
Jul-04
Jul-04
Jul-04
Jul-04
Jul-04
Aug-04
Aug-04
Aug-04
Aug-04
Sep-04
Date
MW-21 DTW

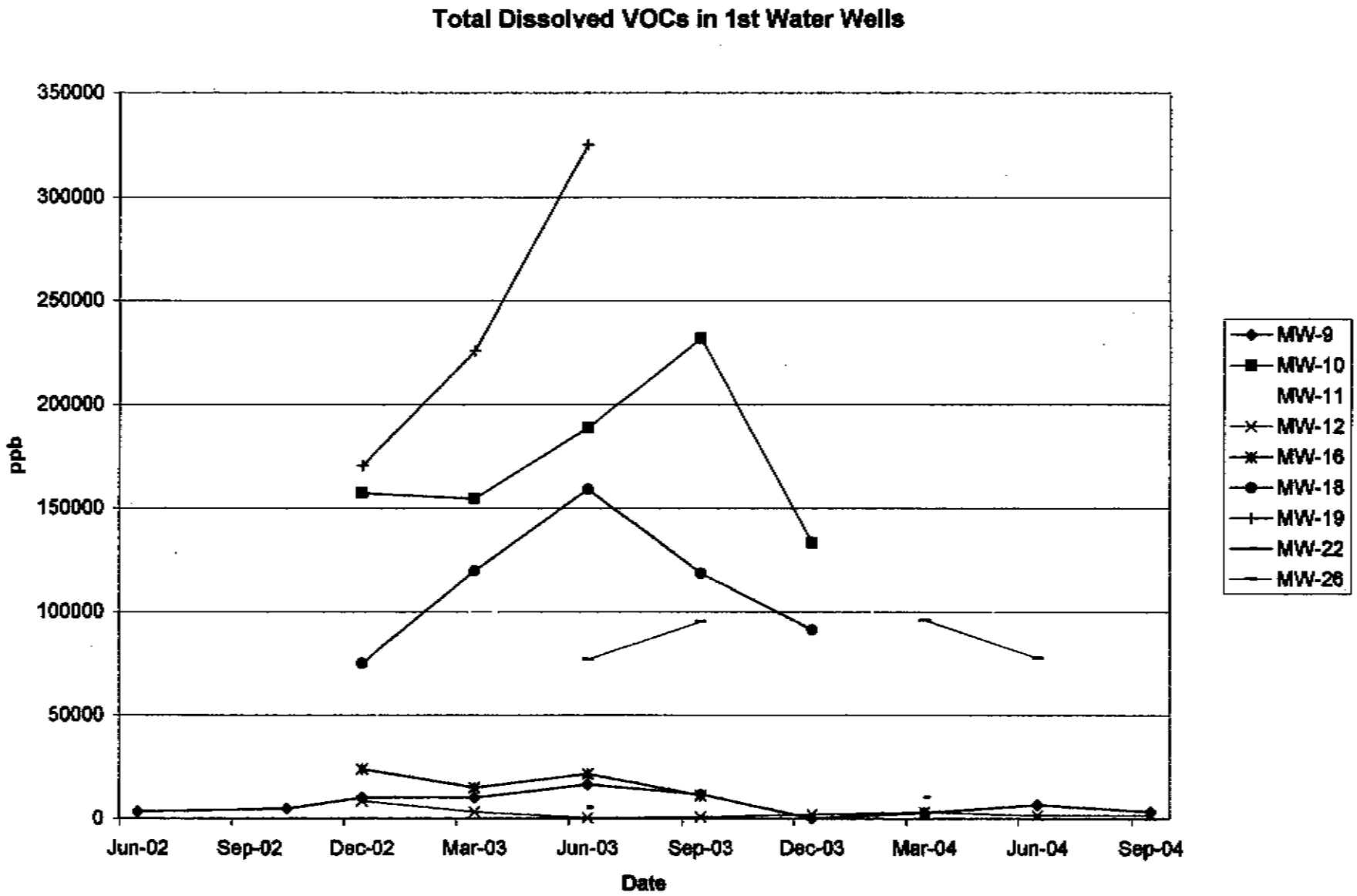
APPENDIX B

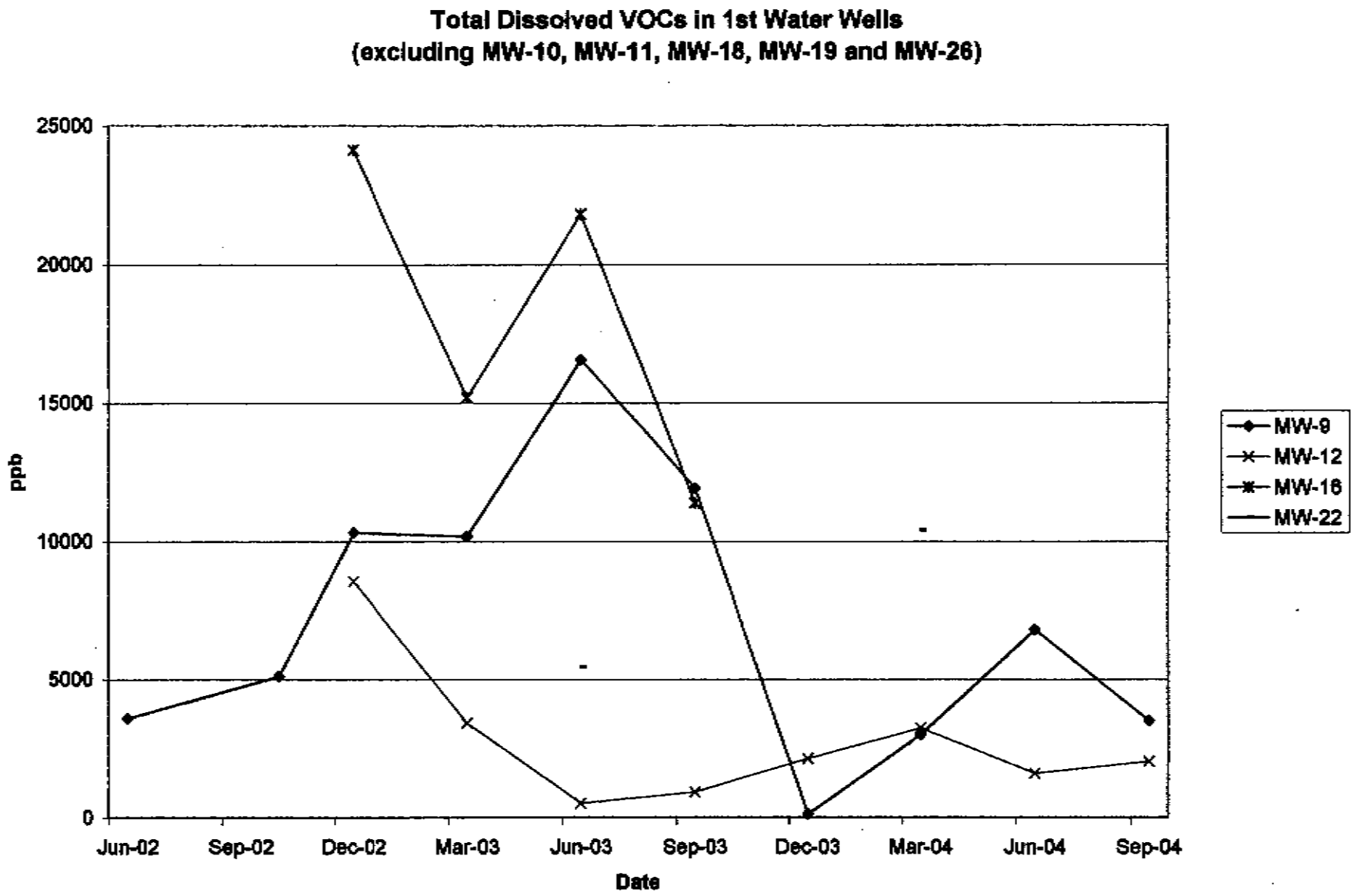

Dissolved TPH-gas in 1st Water Wells
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

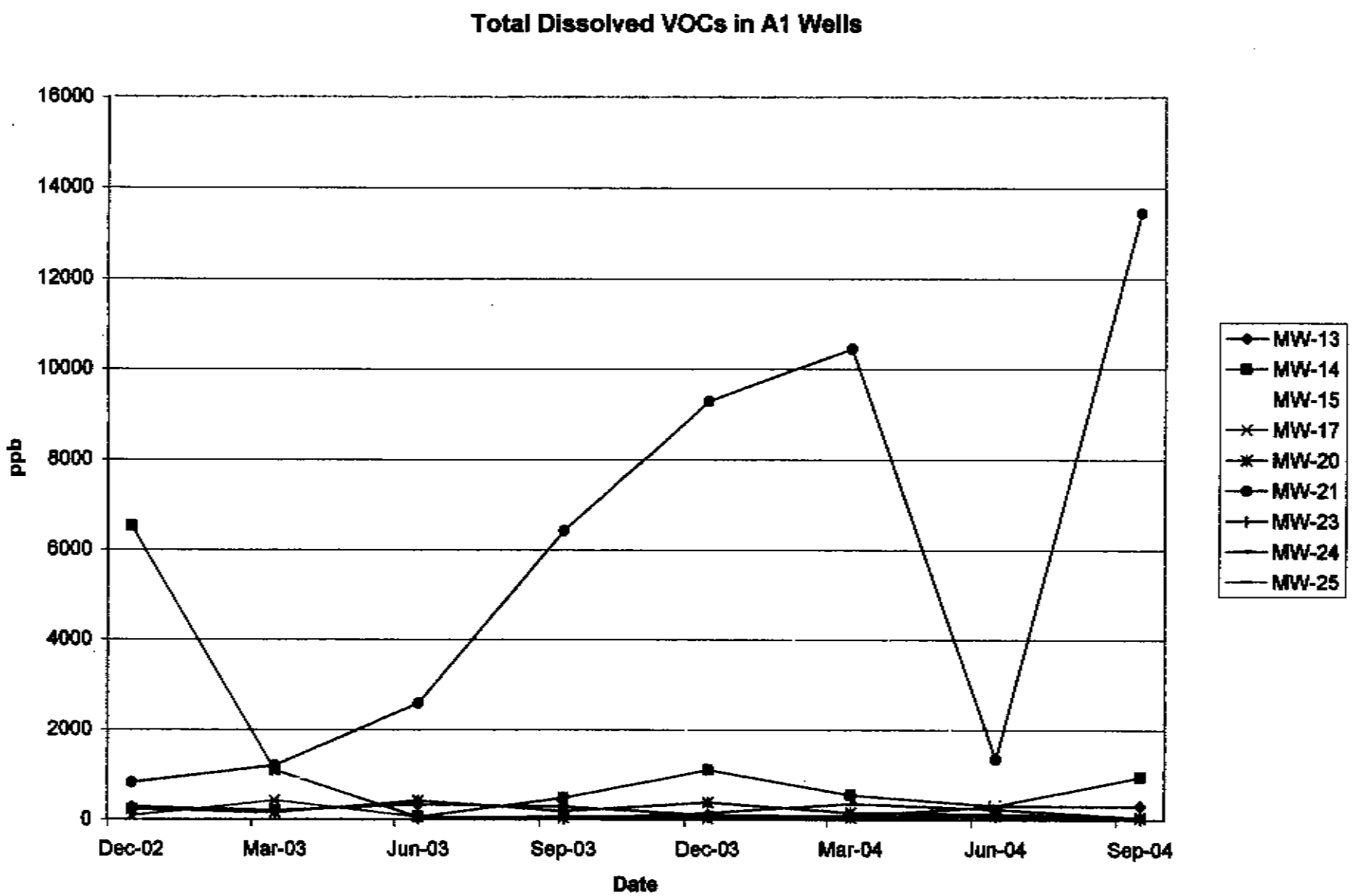

Dissolved TPH-gas in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
25000
20000
15000
10000
5000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-12
MW-16
MW-22

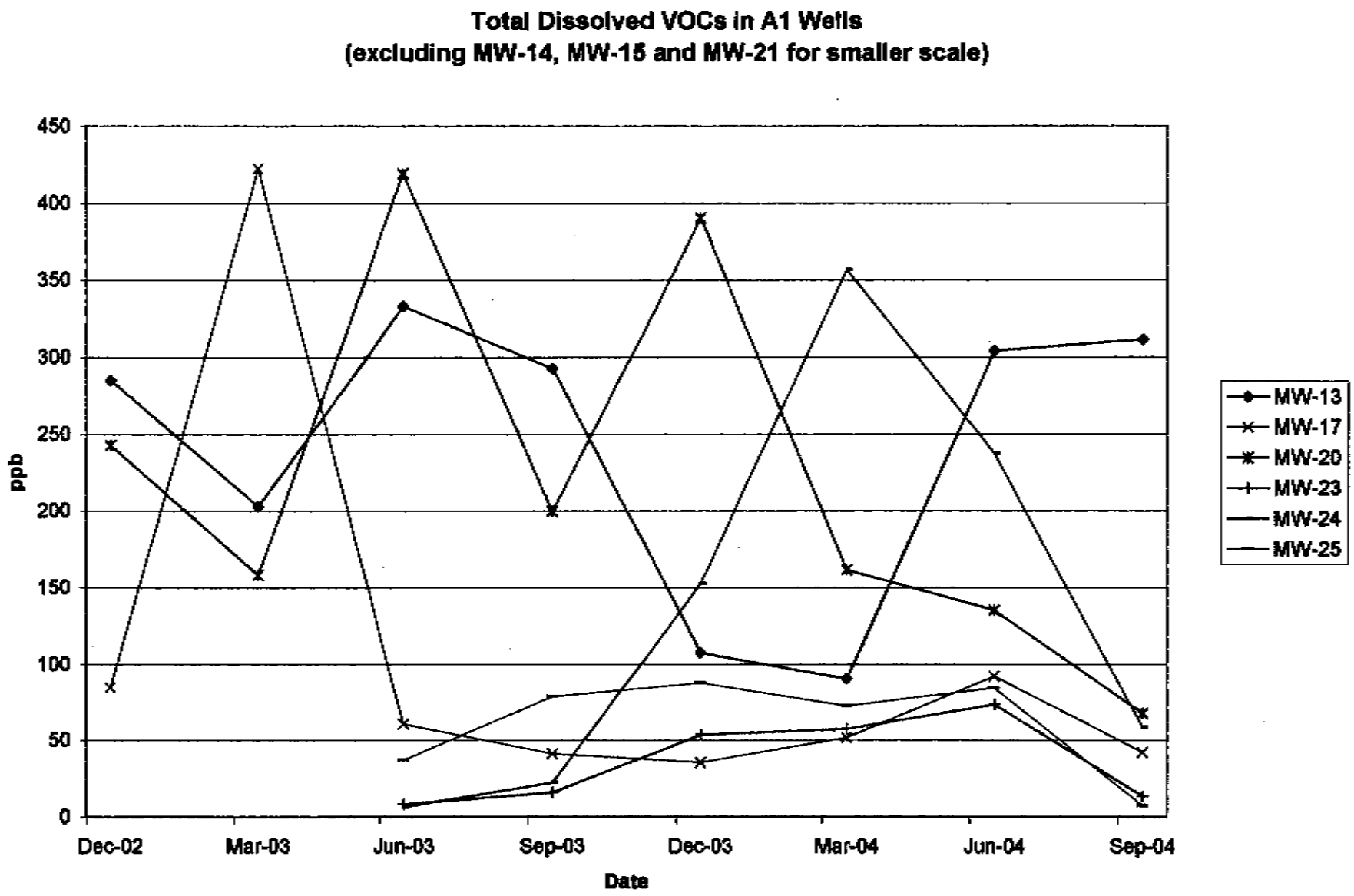

Dissolved TPH-gas in A1 Wells
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

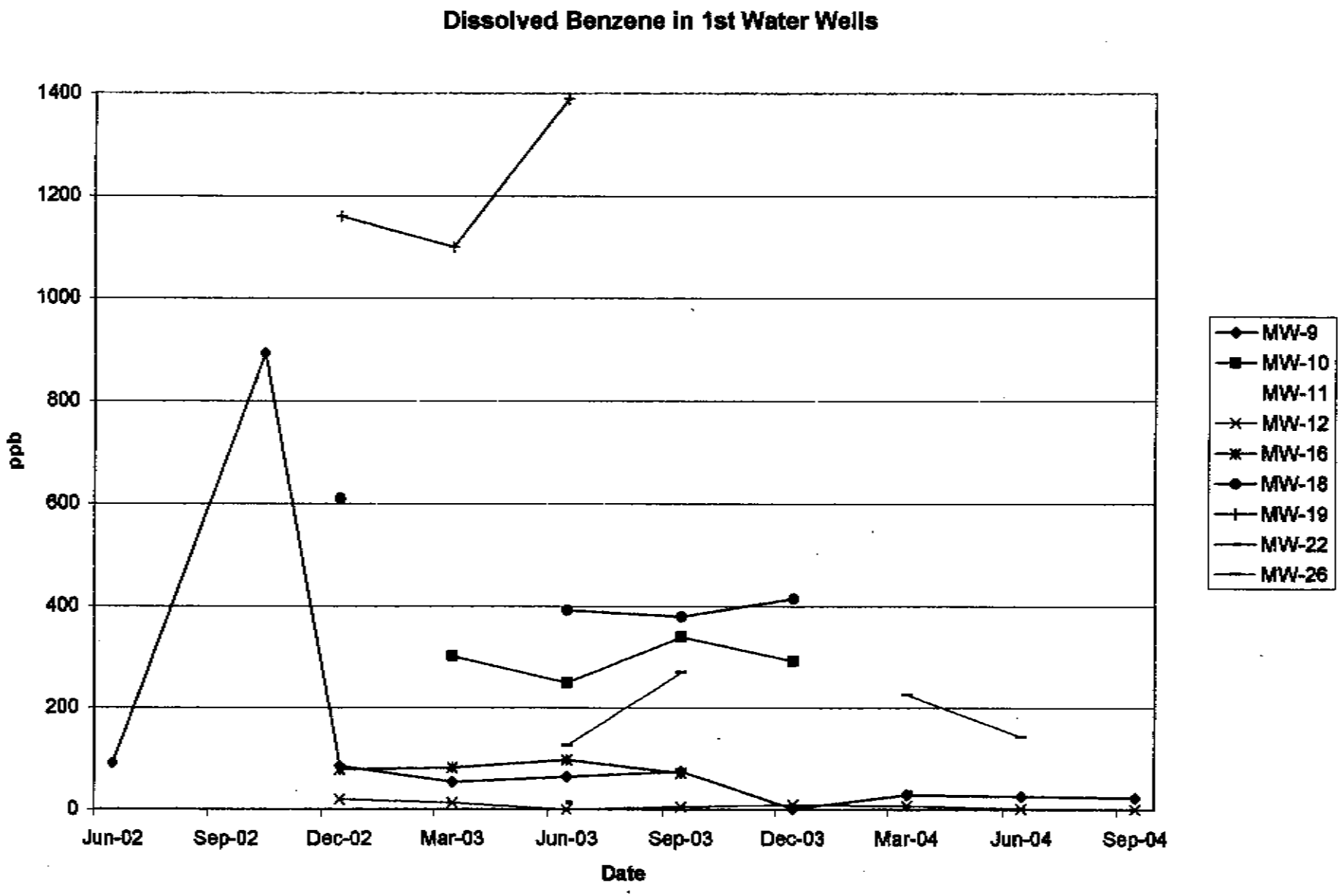

Dissolved TPH-gas in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-17
MW-23
MW-24
MW-25

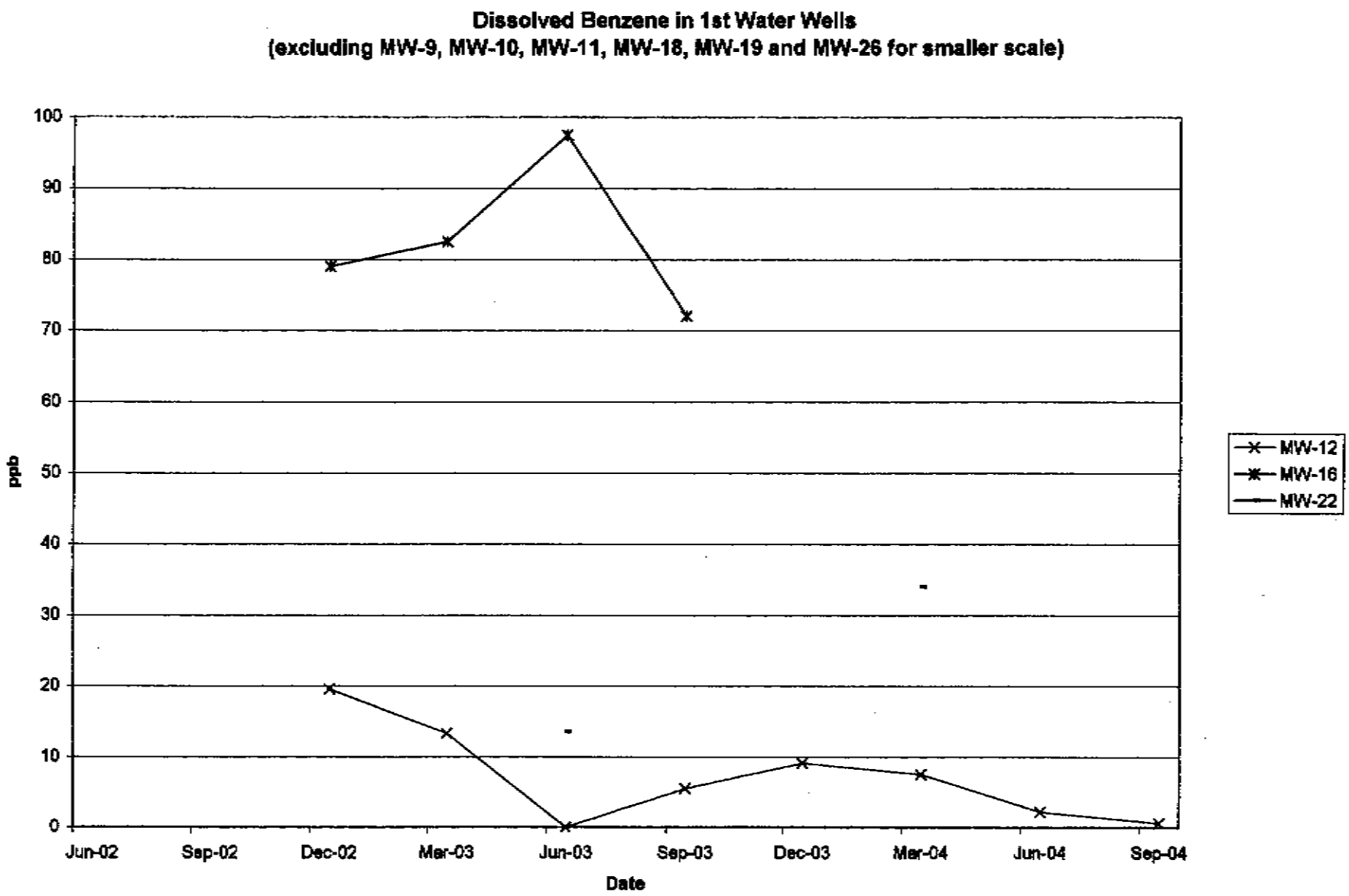

Total Dissolved VOCs in 1st Water Wells
350000
300000
250000
200000
150000
100000
50000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

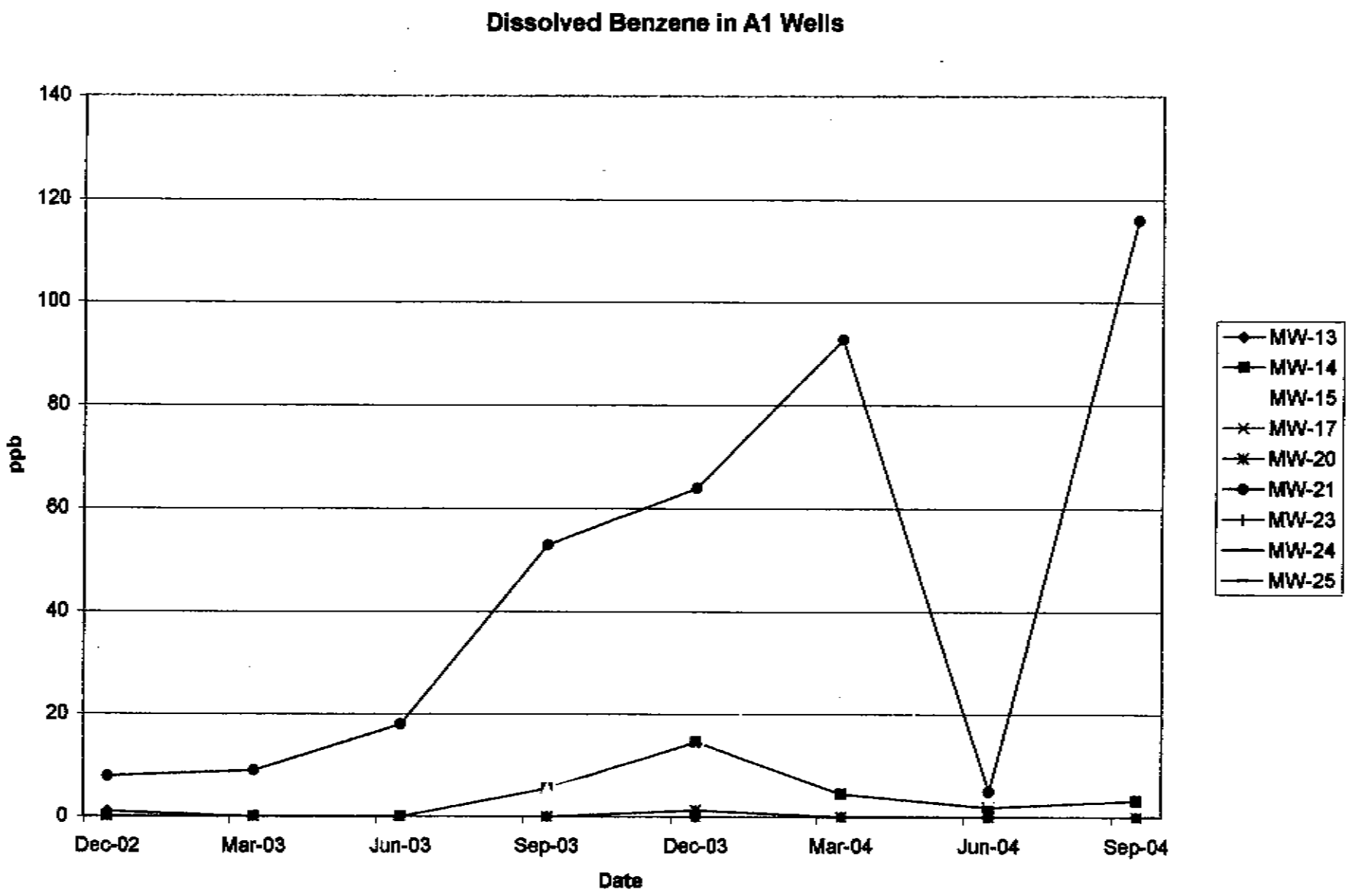

Total Dissolved VOCs in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26)
25000
20000
15000
10000
5000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-12
MW-16
MW-22

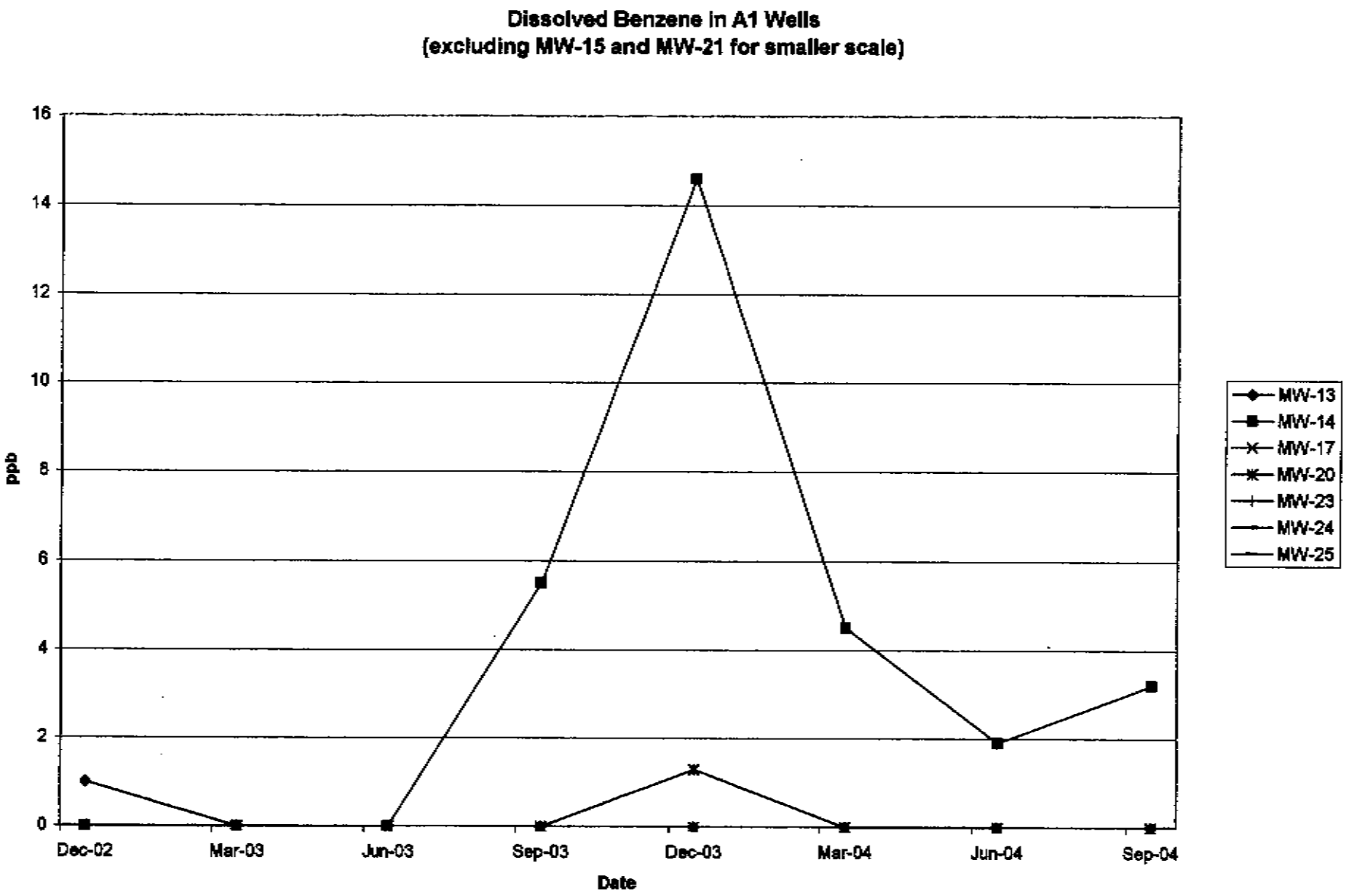

Total Dissolved VOCs in A1 Wells
16000
14000
12000
10000
8000
6000
4000
2000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

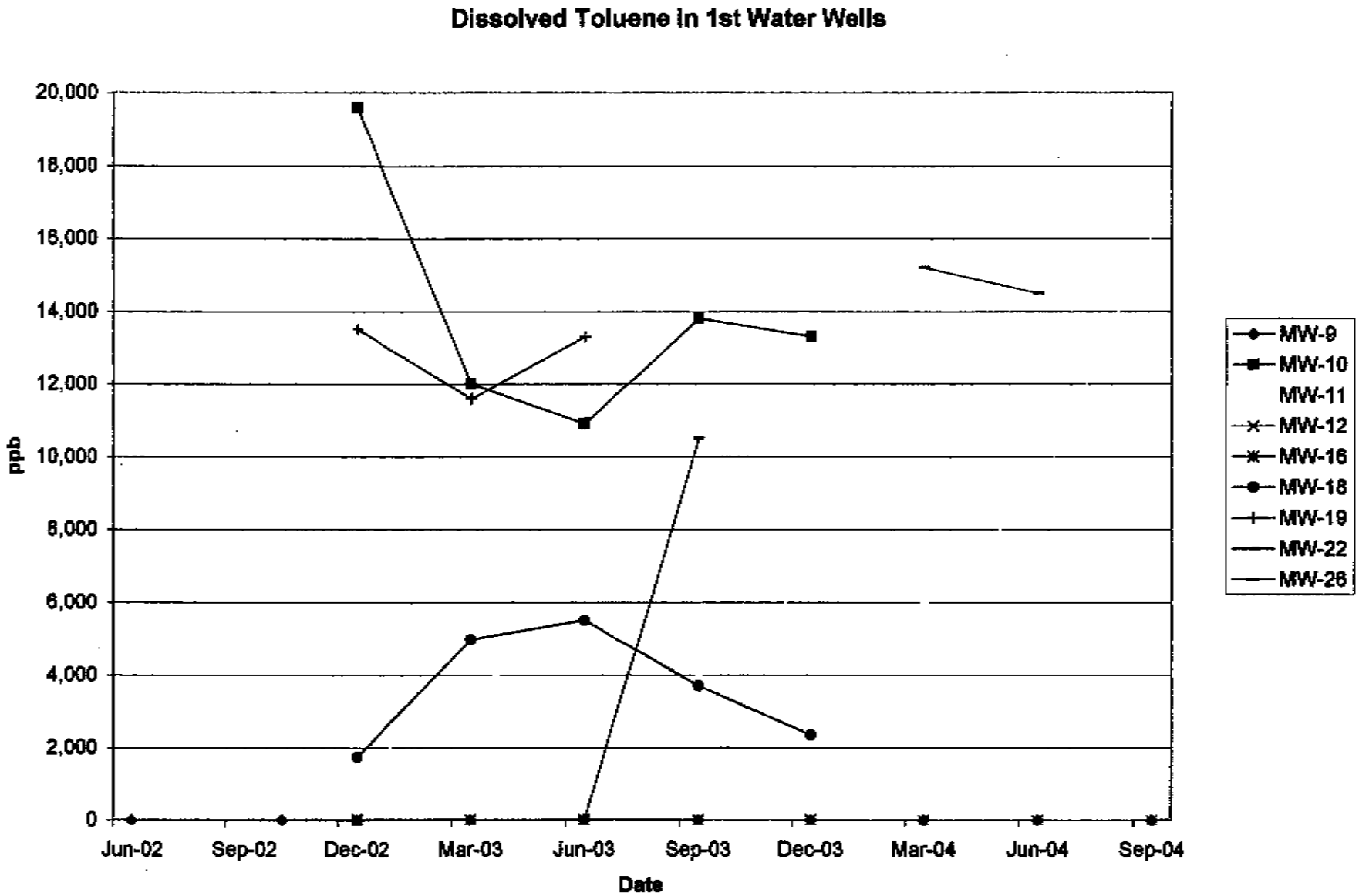

Total Dissolved VOCs in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)
450
400
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-17
MW-20
MW-23
MW-24
MW-25


Dissolved Benzene in 1st Water Wells
1400
1200
1000
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
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

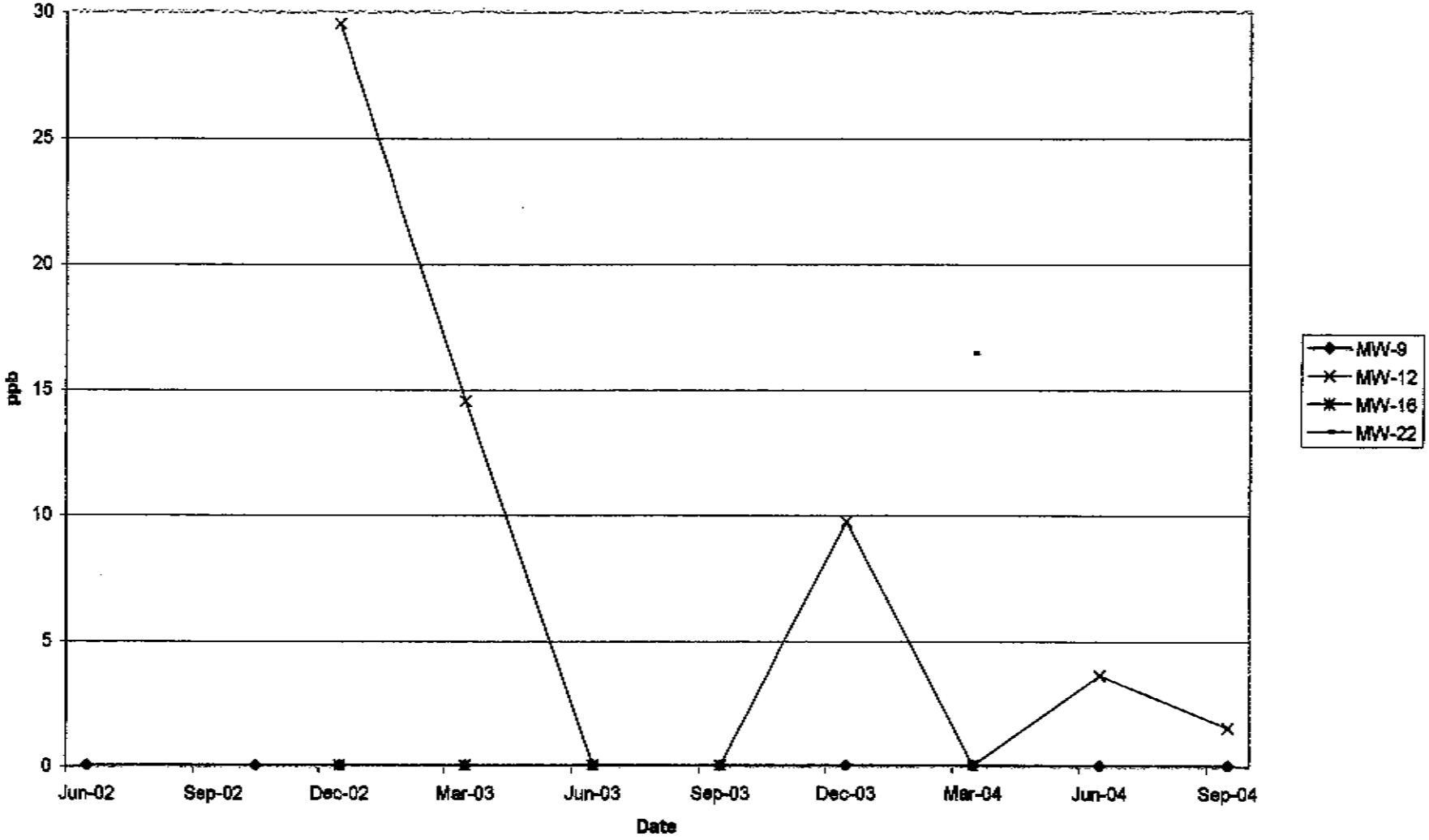

Dissolved Benzene in 1st Water Wells
(excluding MW-9, MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
ppb
100
90
80
70
60
50
40
30
20
10
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-12
MW-16
MW-22

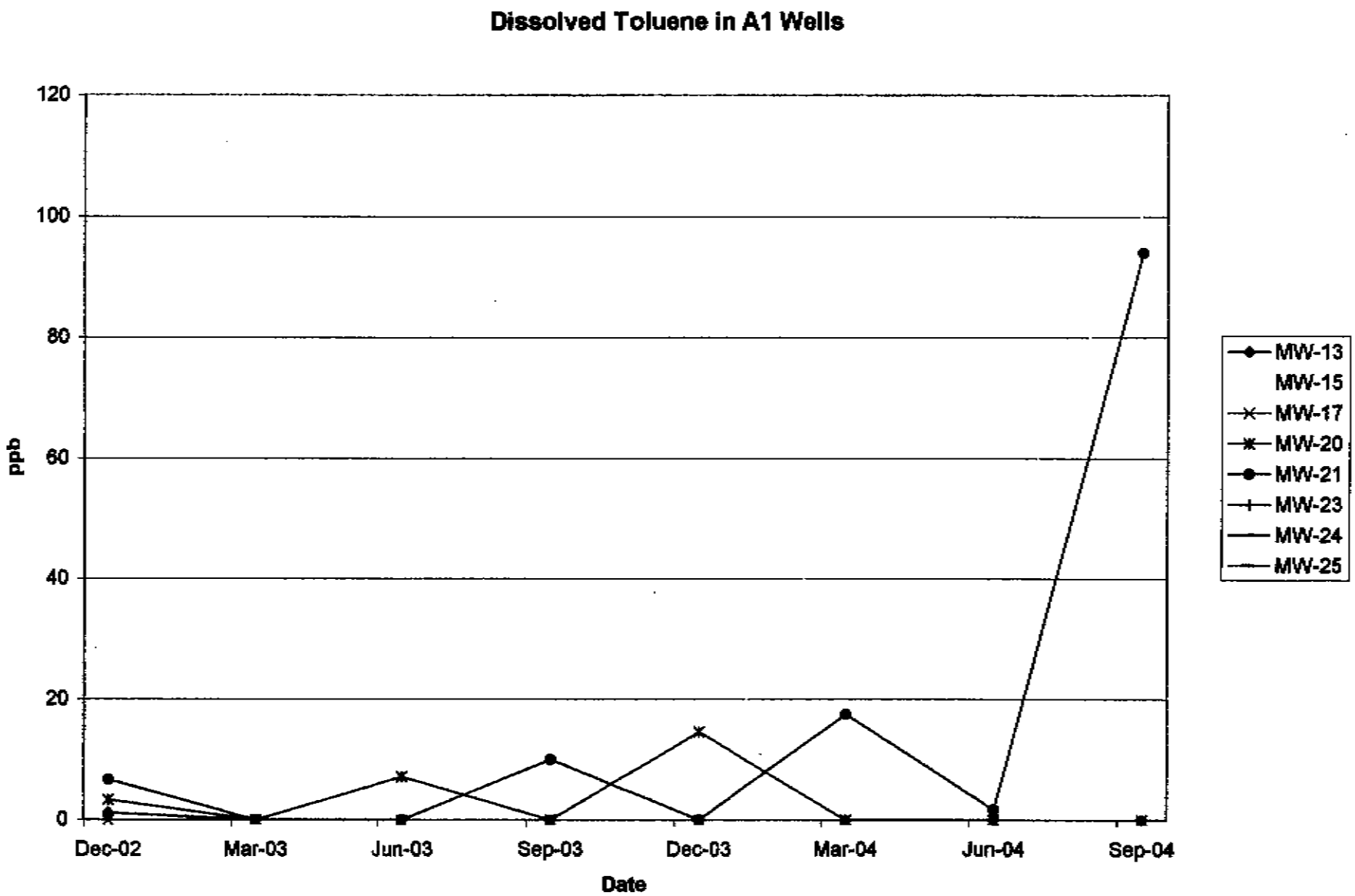

Dissolved Benzene in A1 Wells
140
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

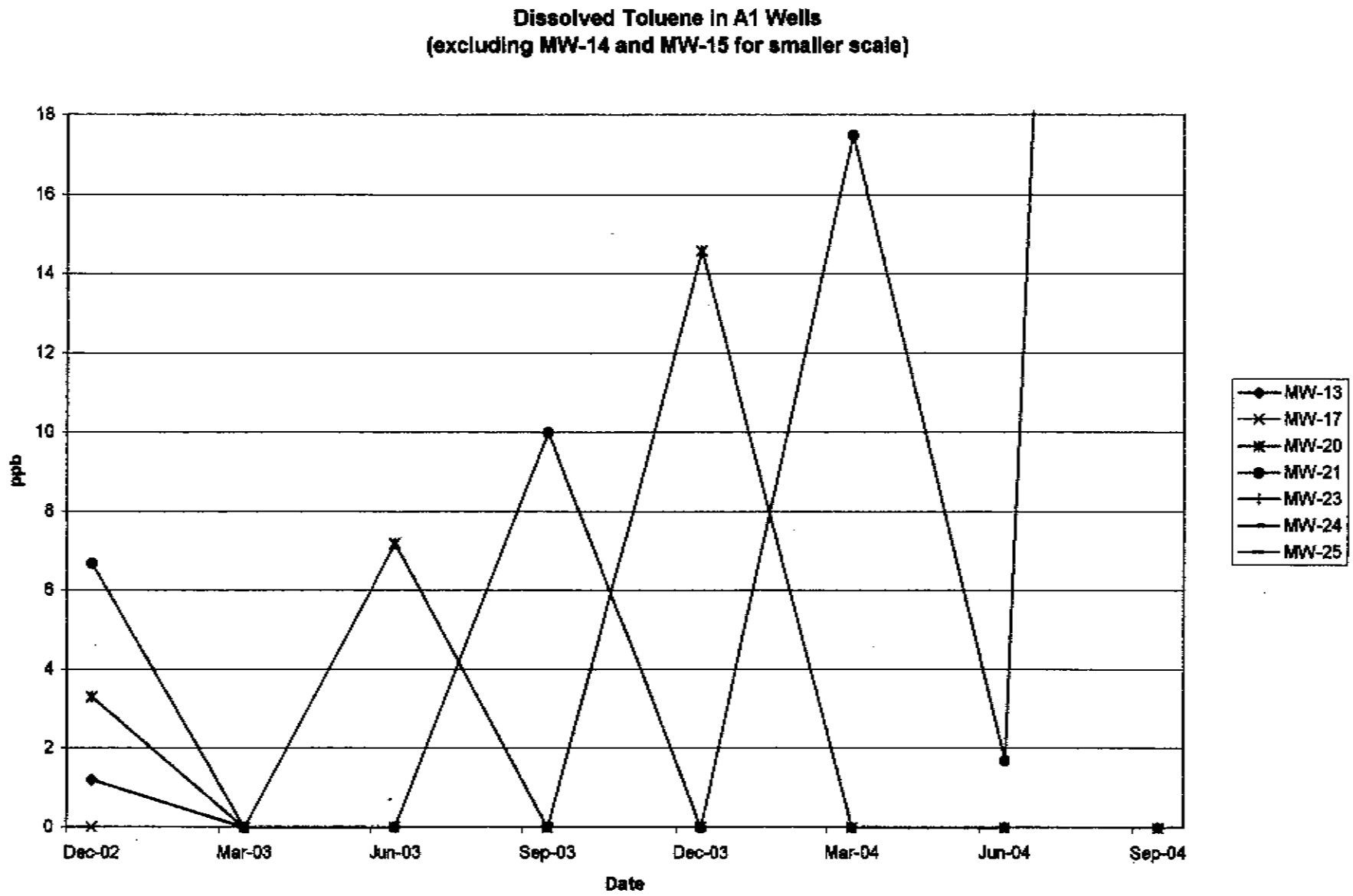

Dissolved Benzene in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)
16
14
12
10
8
6
4
2
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-17
MW-20
MW-23
MW-24
MW-25

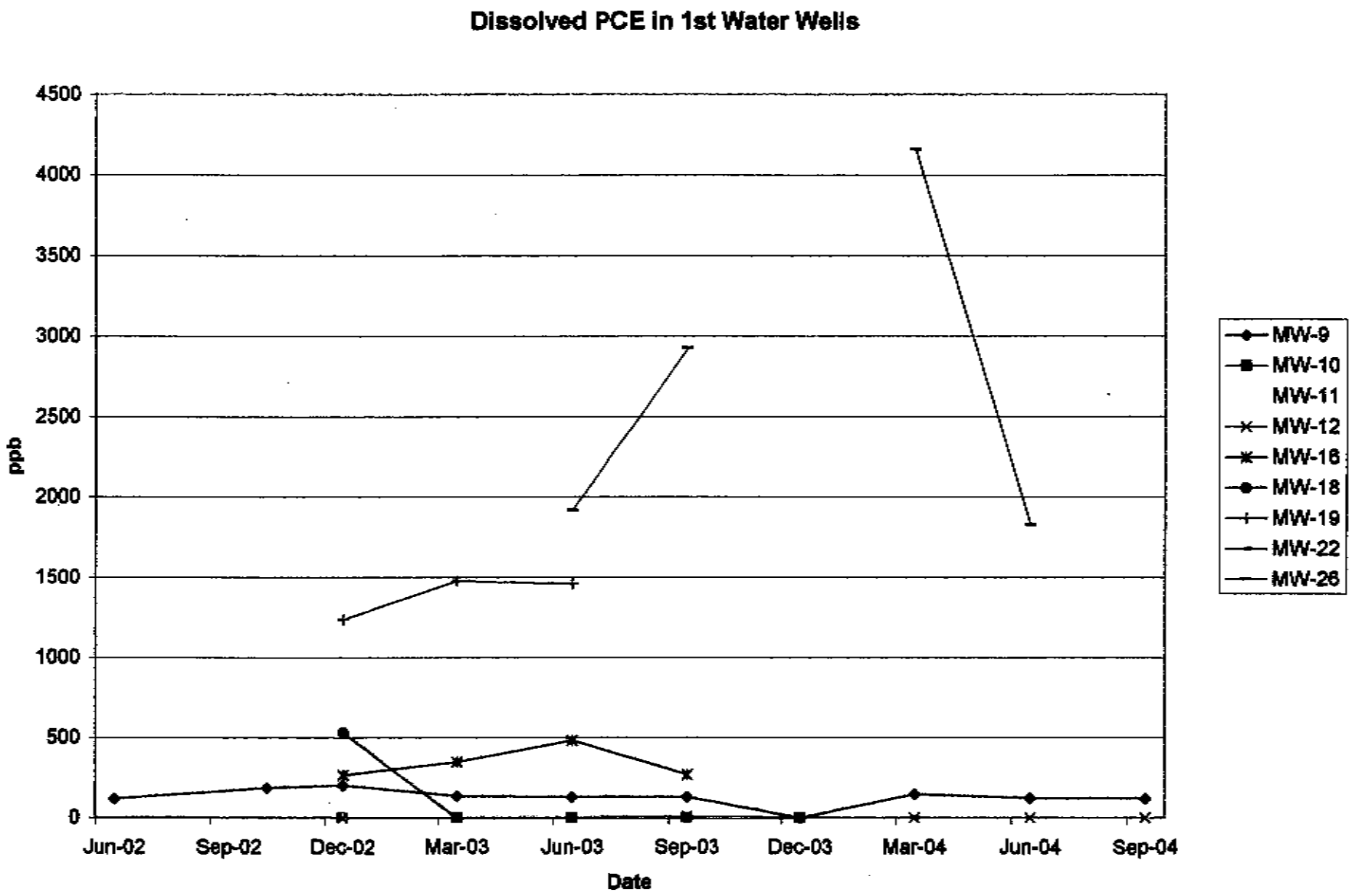

Dissolved Toluene in 1st Water Wells
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

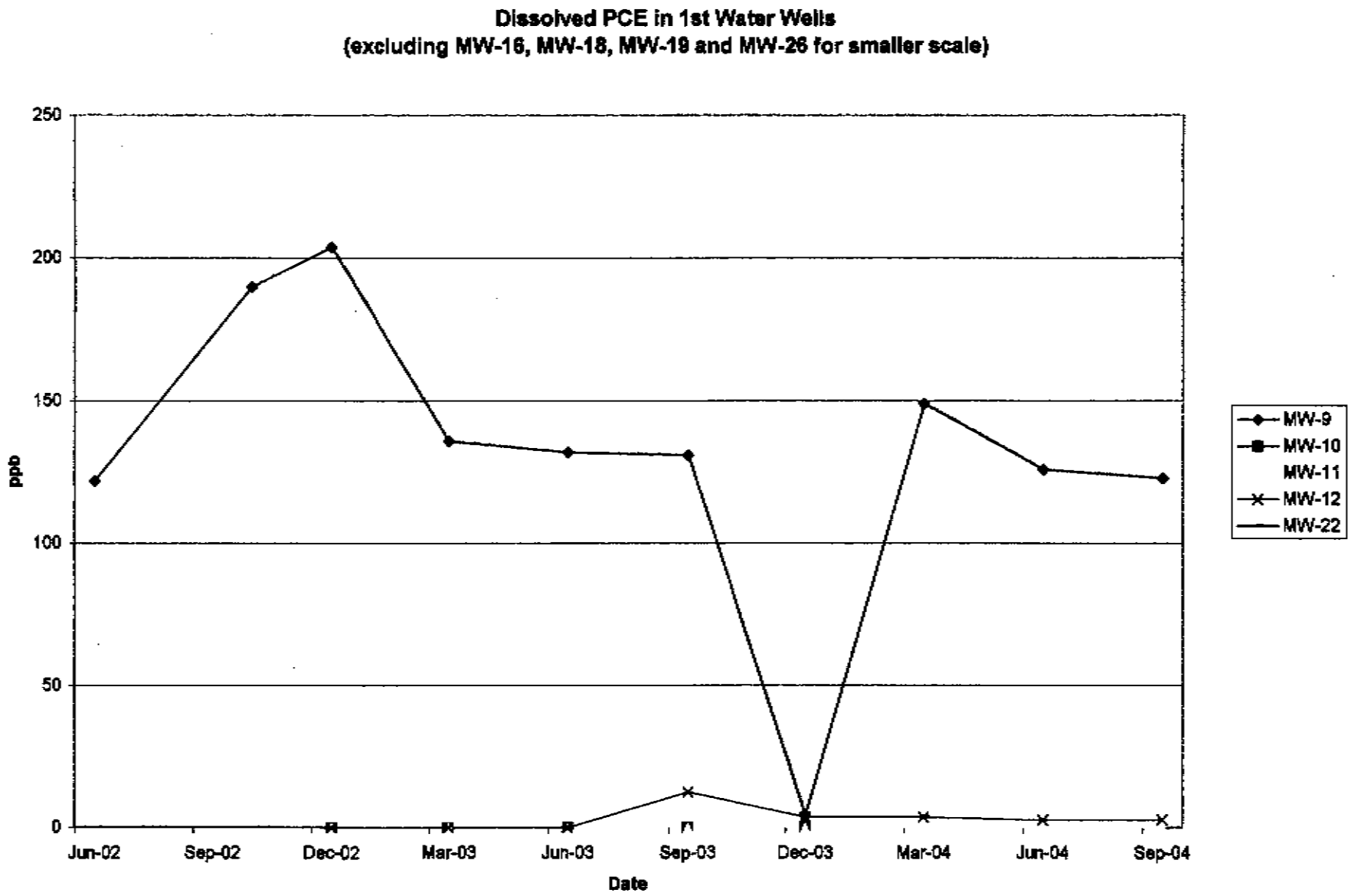
Dissolved Toluene in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)

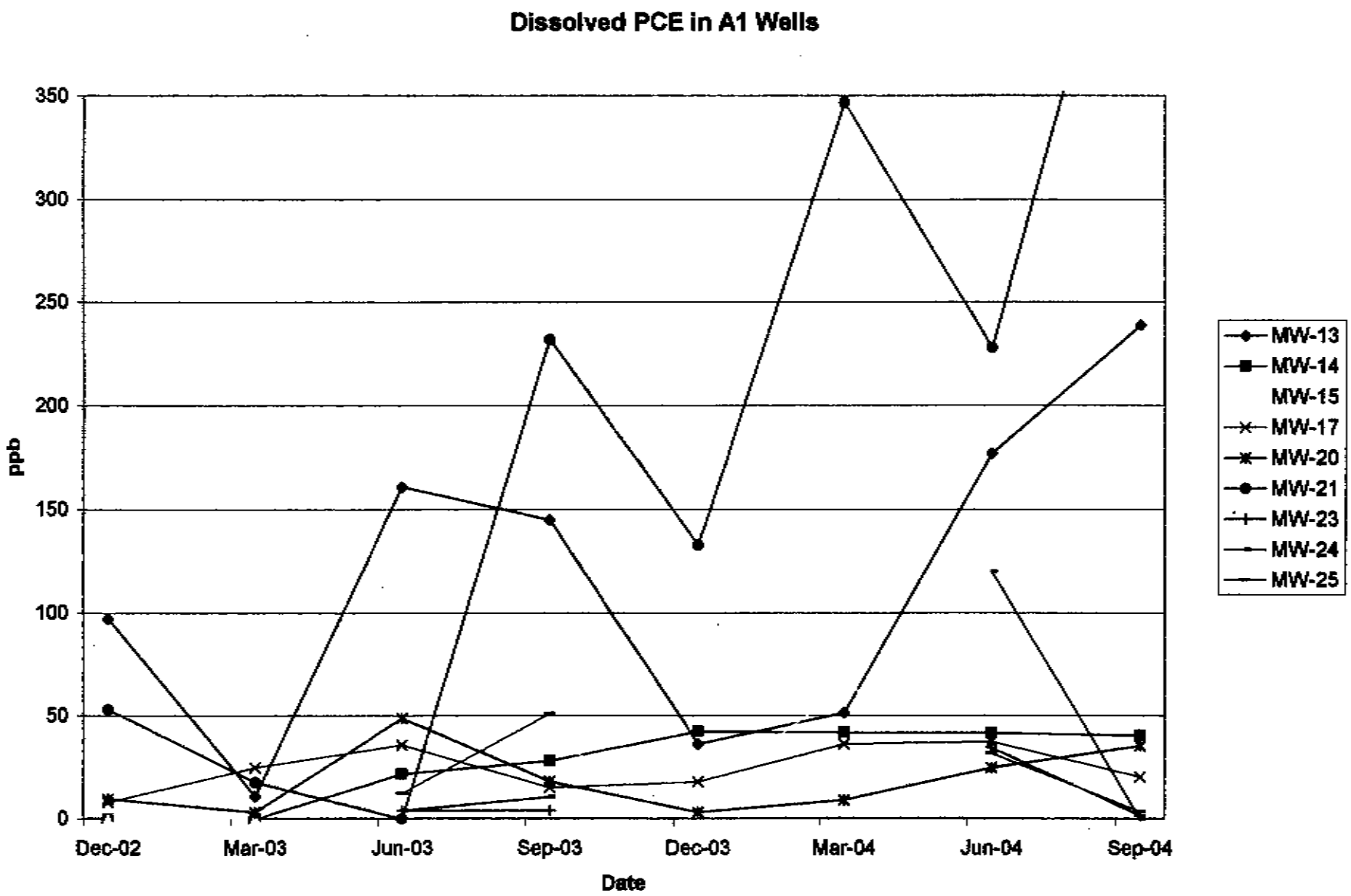


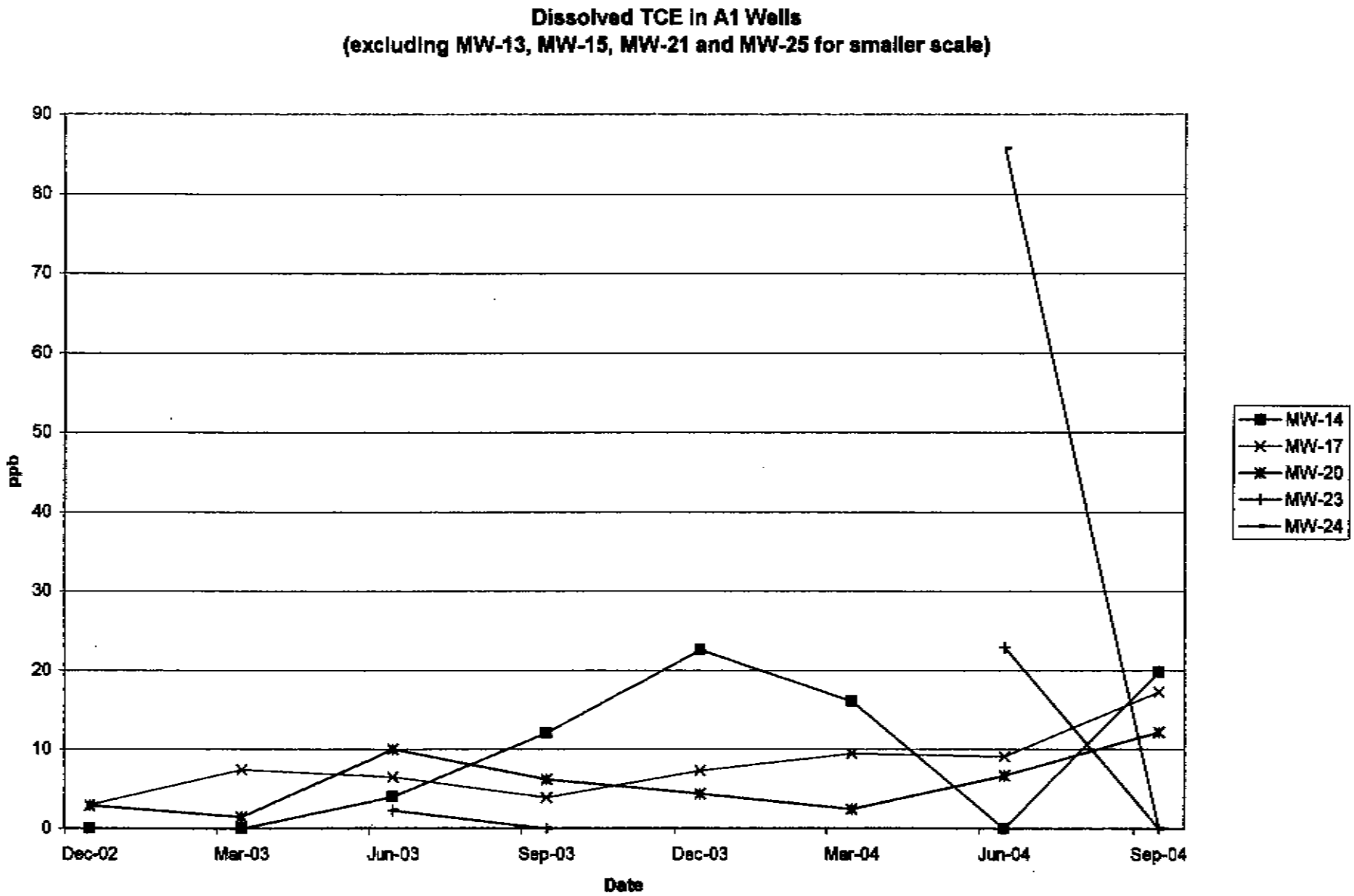

Dissolved Toluene in A1 Wells
120
100
80
60
40
20
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

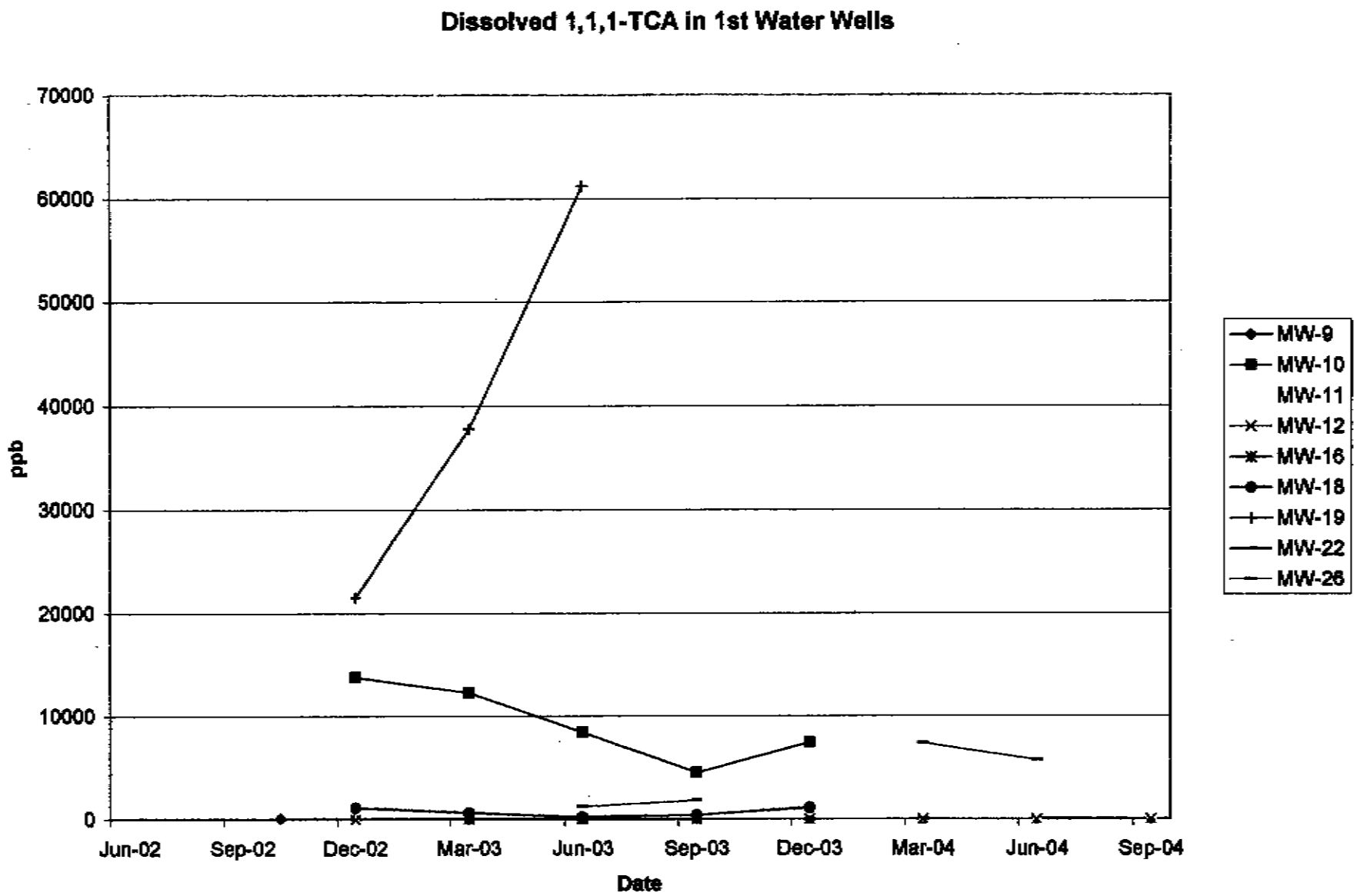

Dissolved Toluene in A1 Wells
(excluding MW-14 and MW-15 for smaller scale)
ppb
18
16
14
12
10
8
6
4
2
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

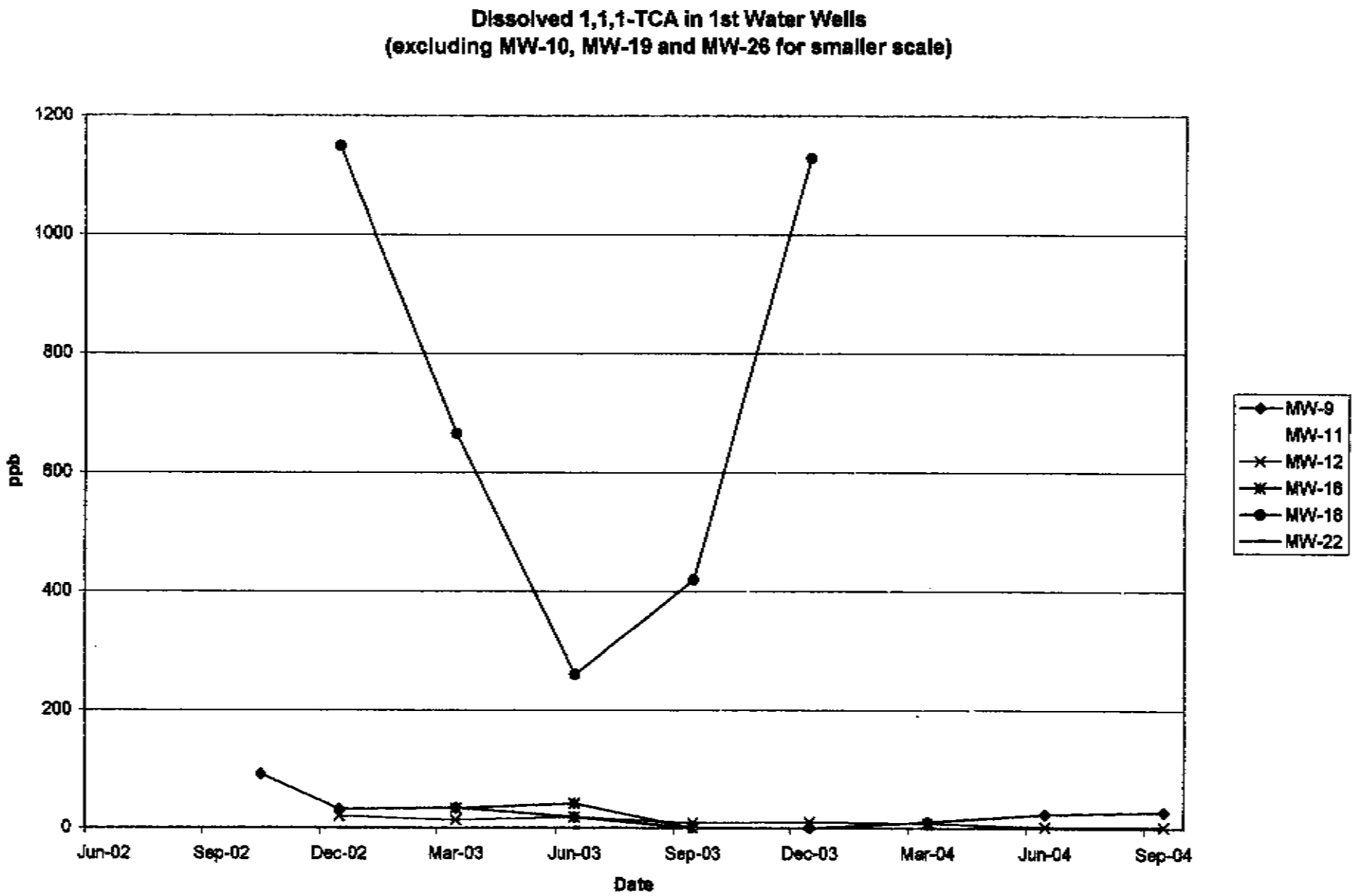

Dissolved PCE in 1st Water Wells
4500
4000
3500
3000
2500
2000
1500
1000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

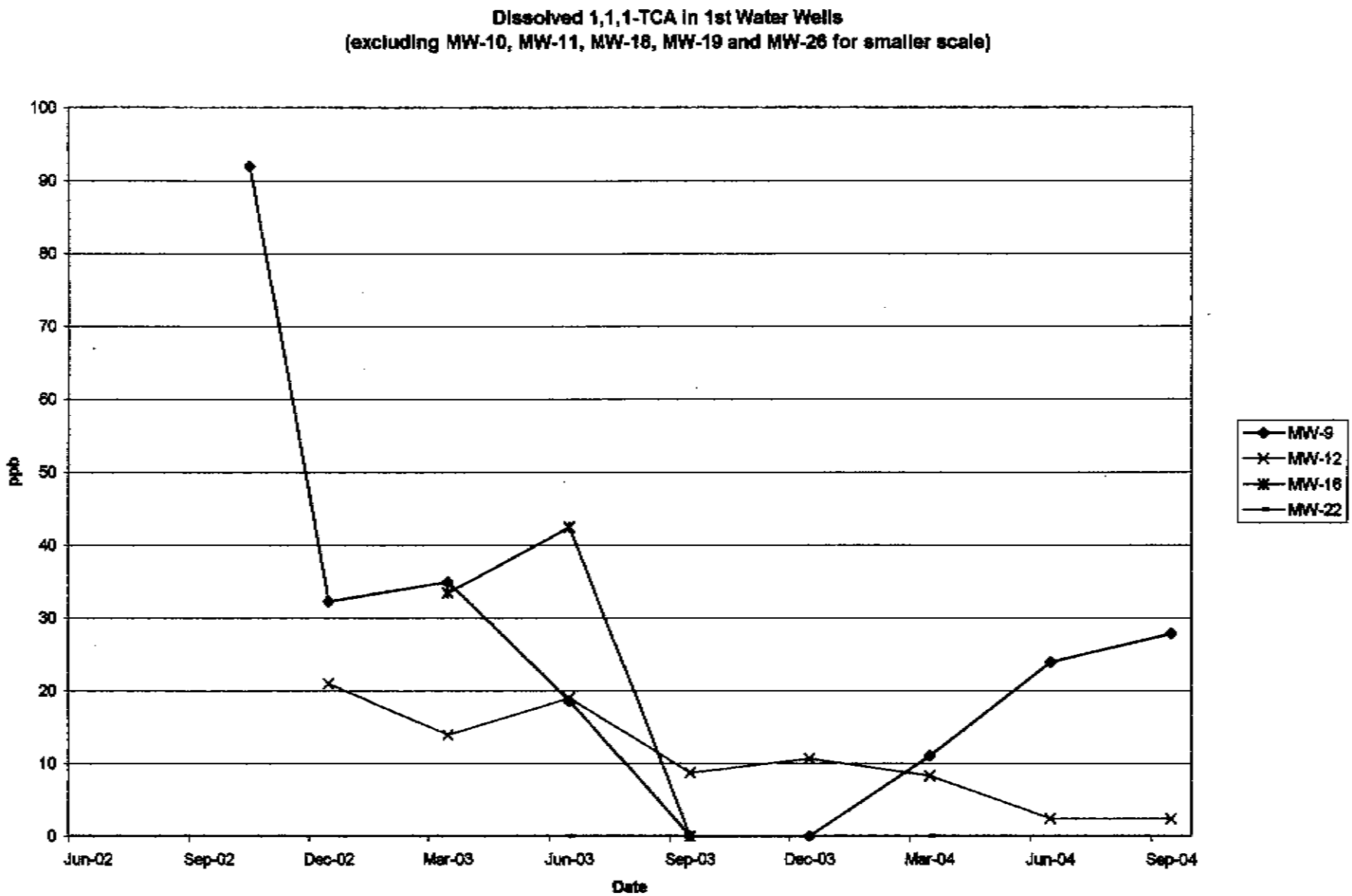

Dissolved PCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)
250
200
150
100
50
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-22

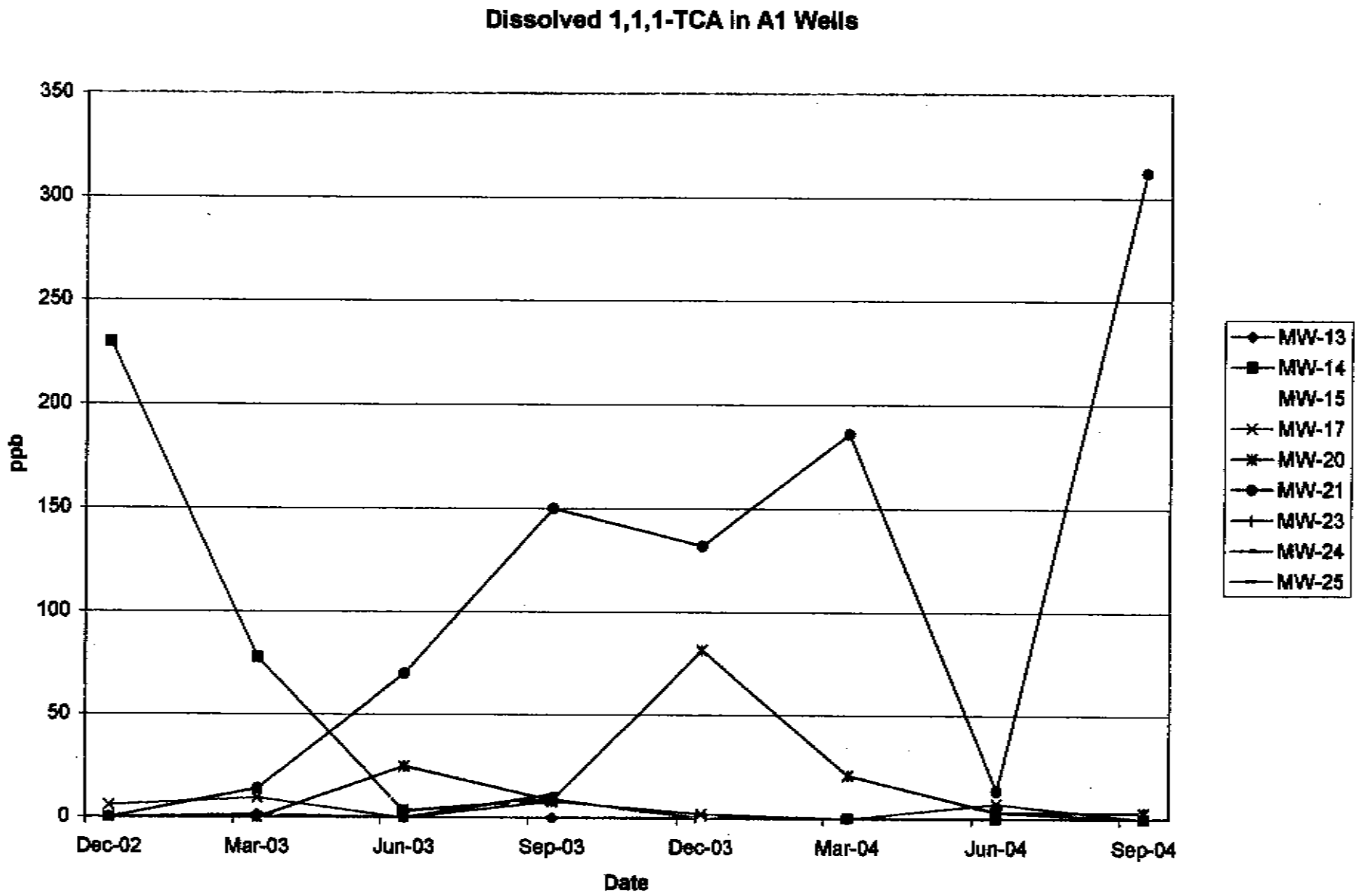

Dissolved PCE in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

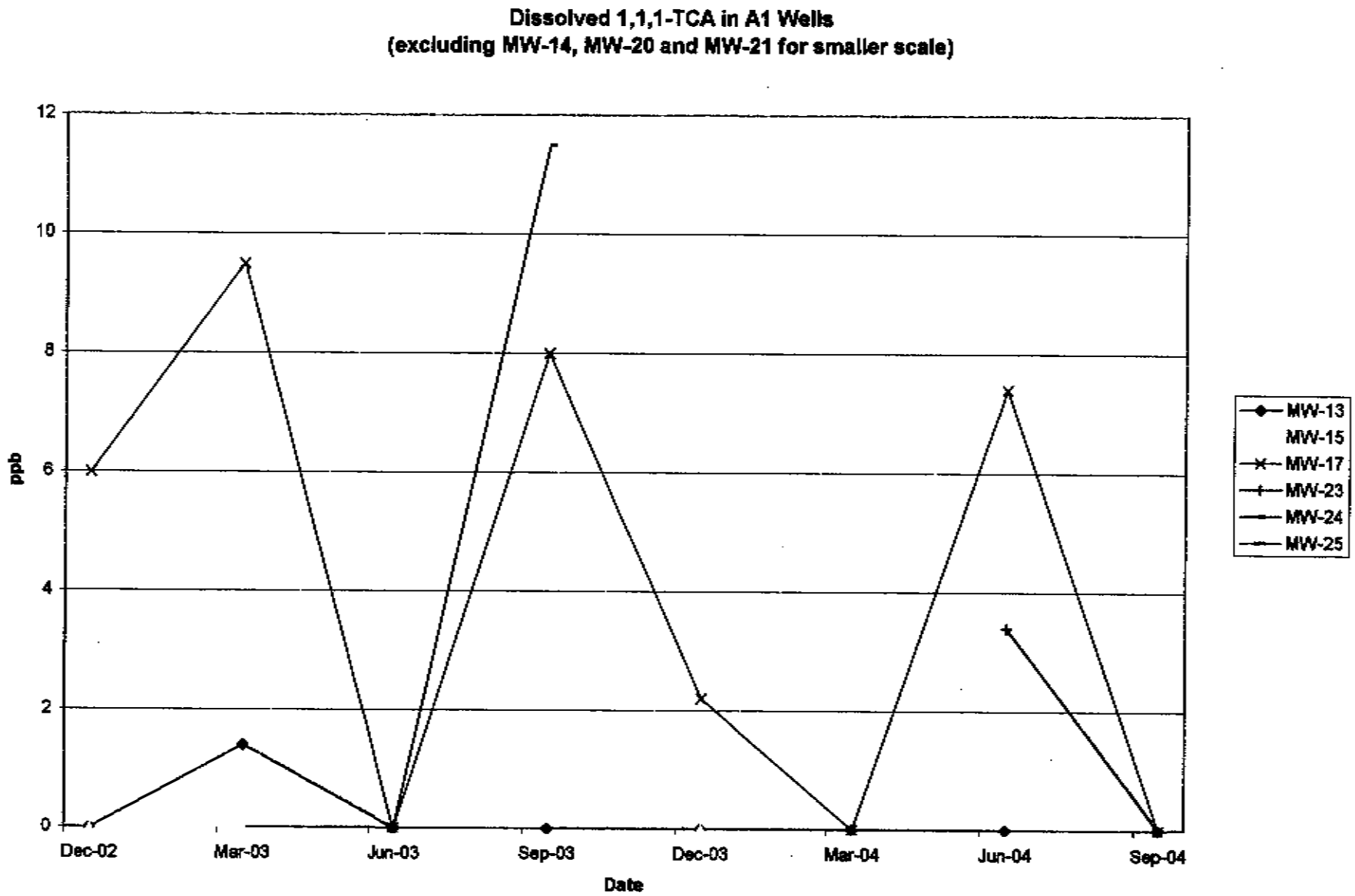

Dissolved TCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)
90
80
70
60
50
40
30
20
10
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-14
MW-17
MW-20
MW-23
MW-24

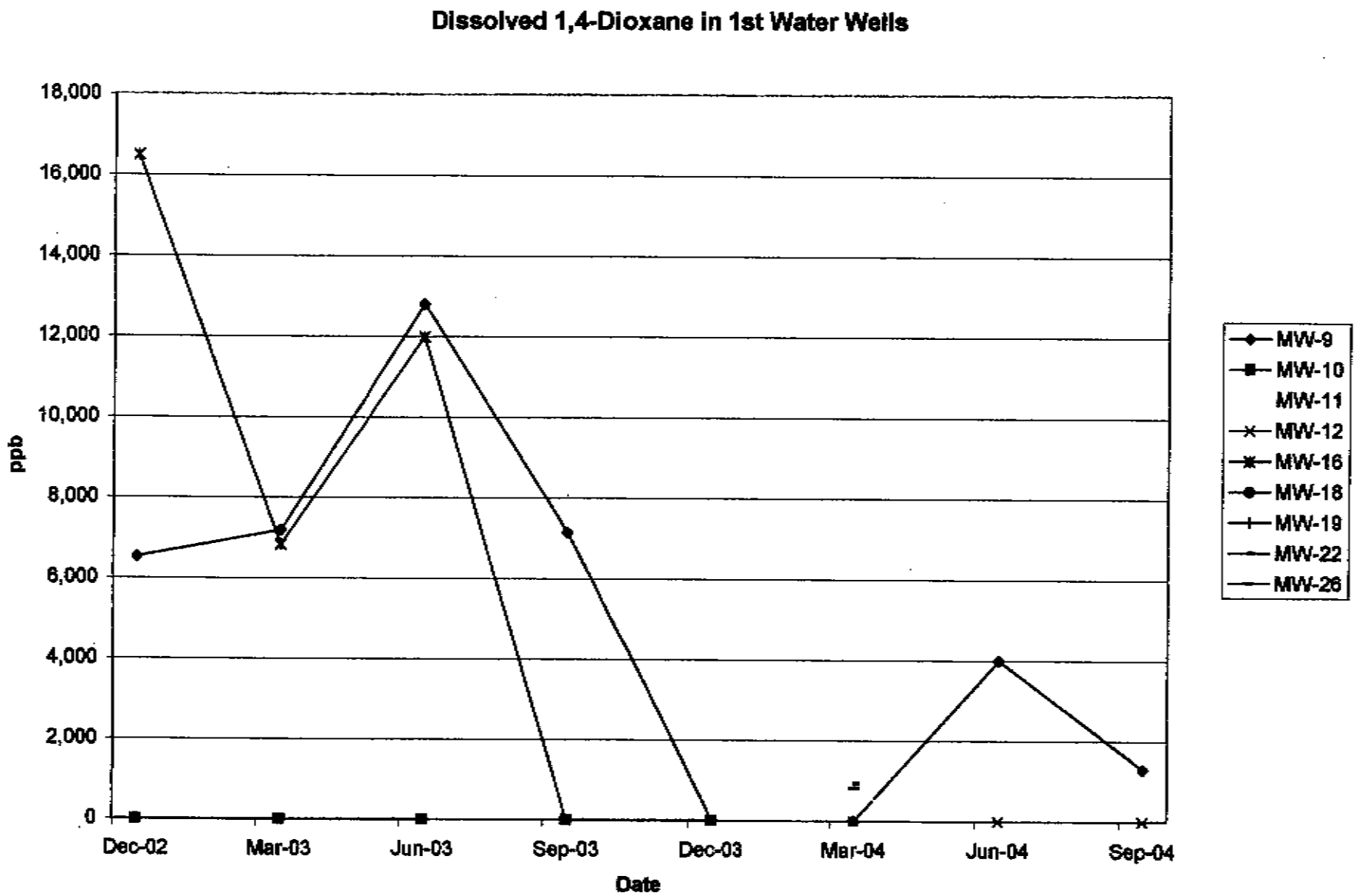

Dissolved 1,1,1-TCA in 1st Water Wells
70000
60000
50000
40000
30000
20000
10000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26


Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-19 and MW-26 for smaller scale)
1200
1000
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
Date
MW-9
MW-11
MW-12
MW-16
MW-18
MW-22

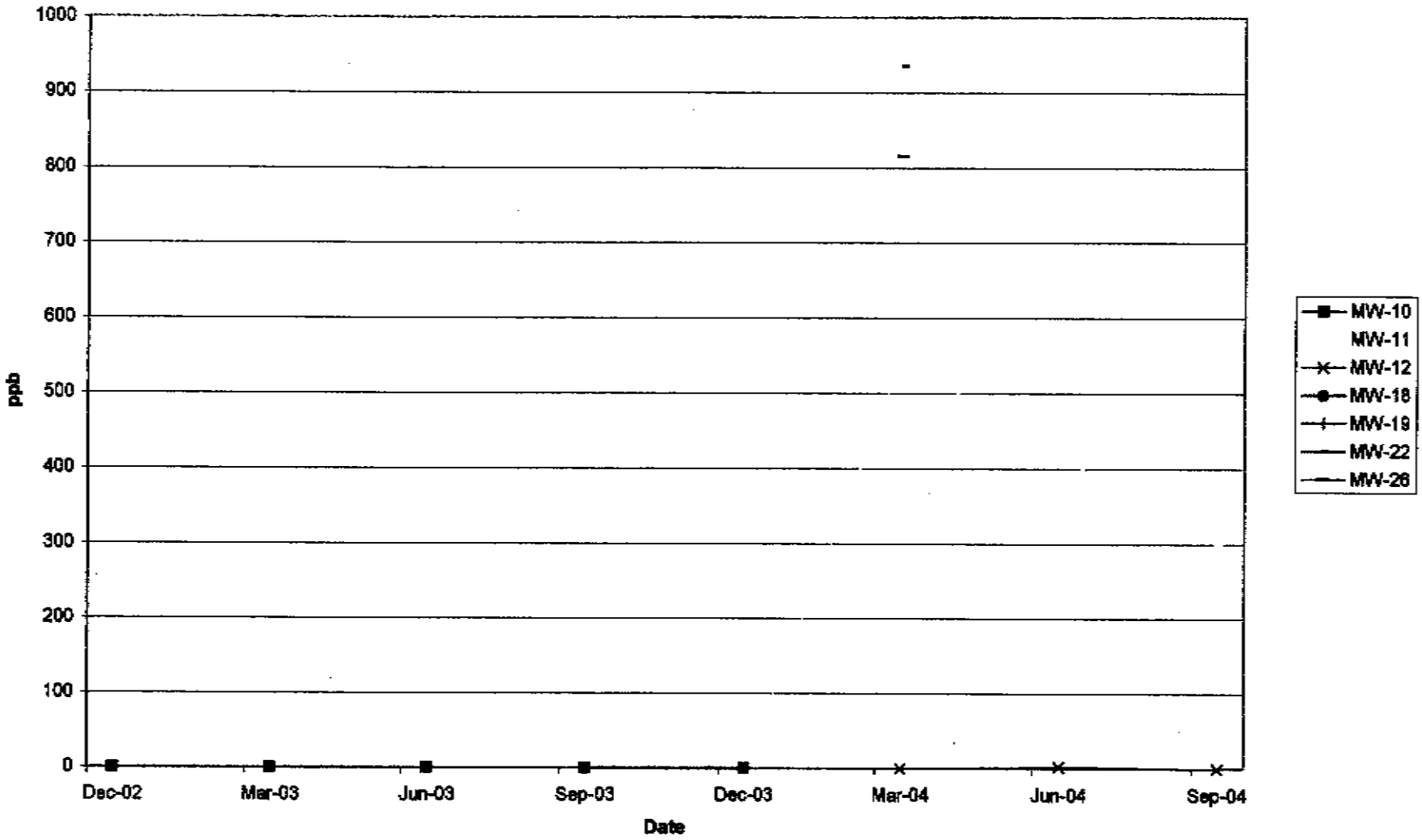

Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)
ppb
100
90
80
70
60
50
40
30
20
10
0
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-12
MW-16
MW-22

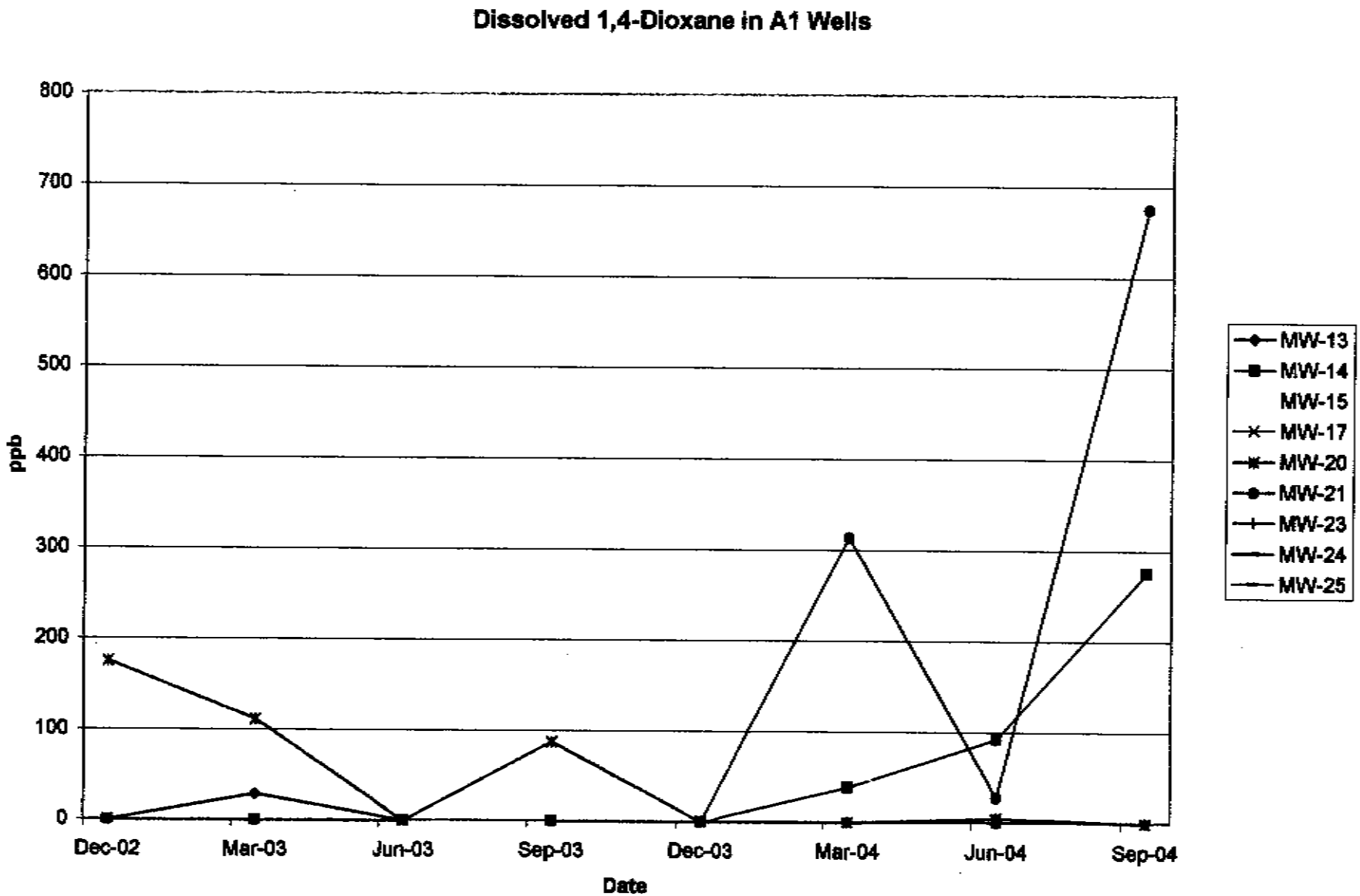

Dissolved 1,1,1-TCA in A1 Wells
350
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

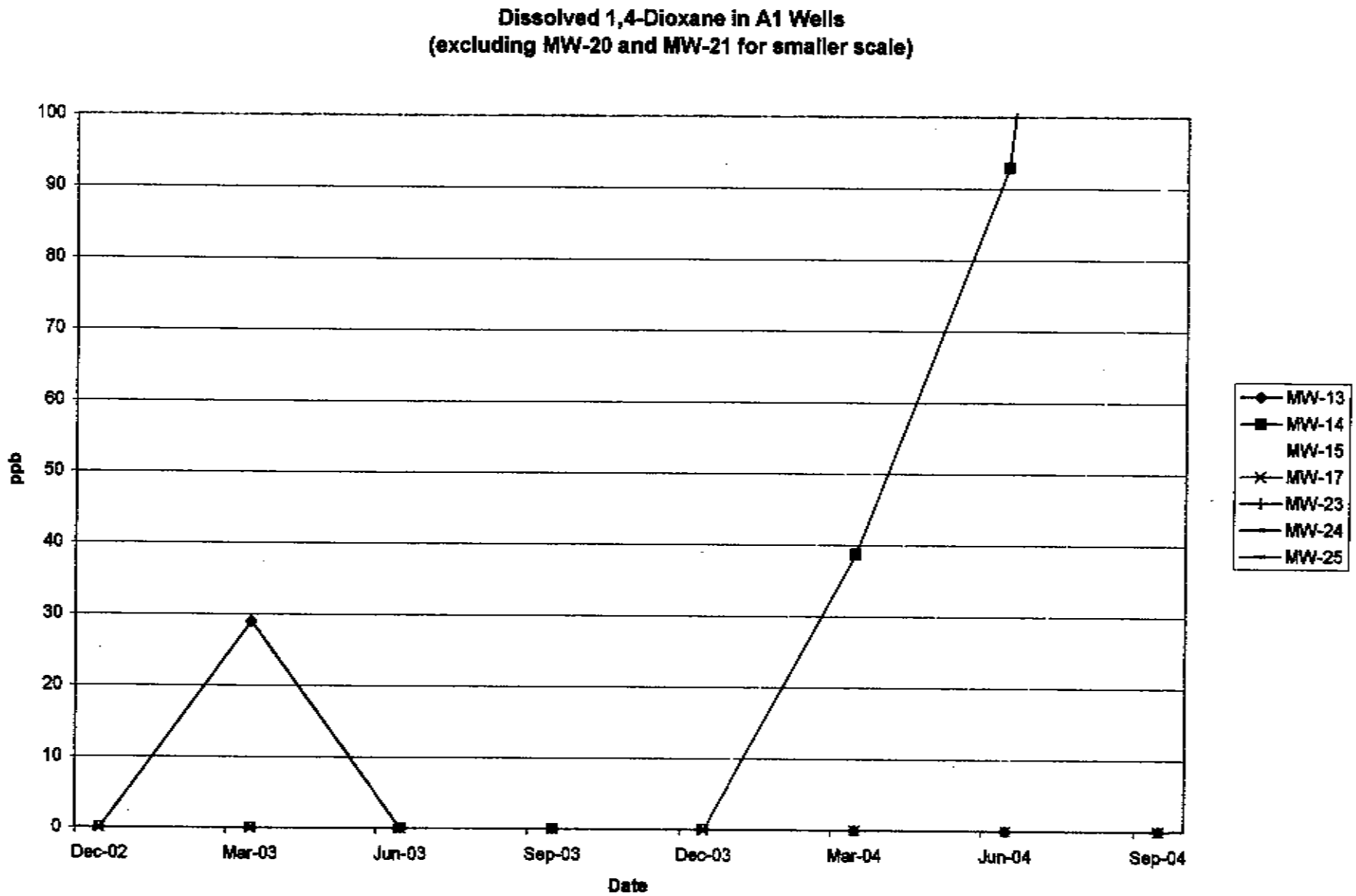

Dissolved 1,1,1-TCA in A1 Wells
(excluding MW-14, MW-20 and MW-21 for smaller scale)
12
10
8
6
4
2
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-15
MW-17
MW-23
MW-24
MW-25

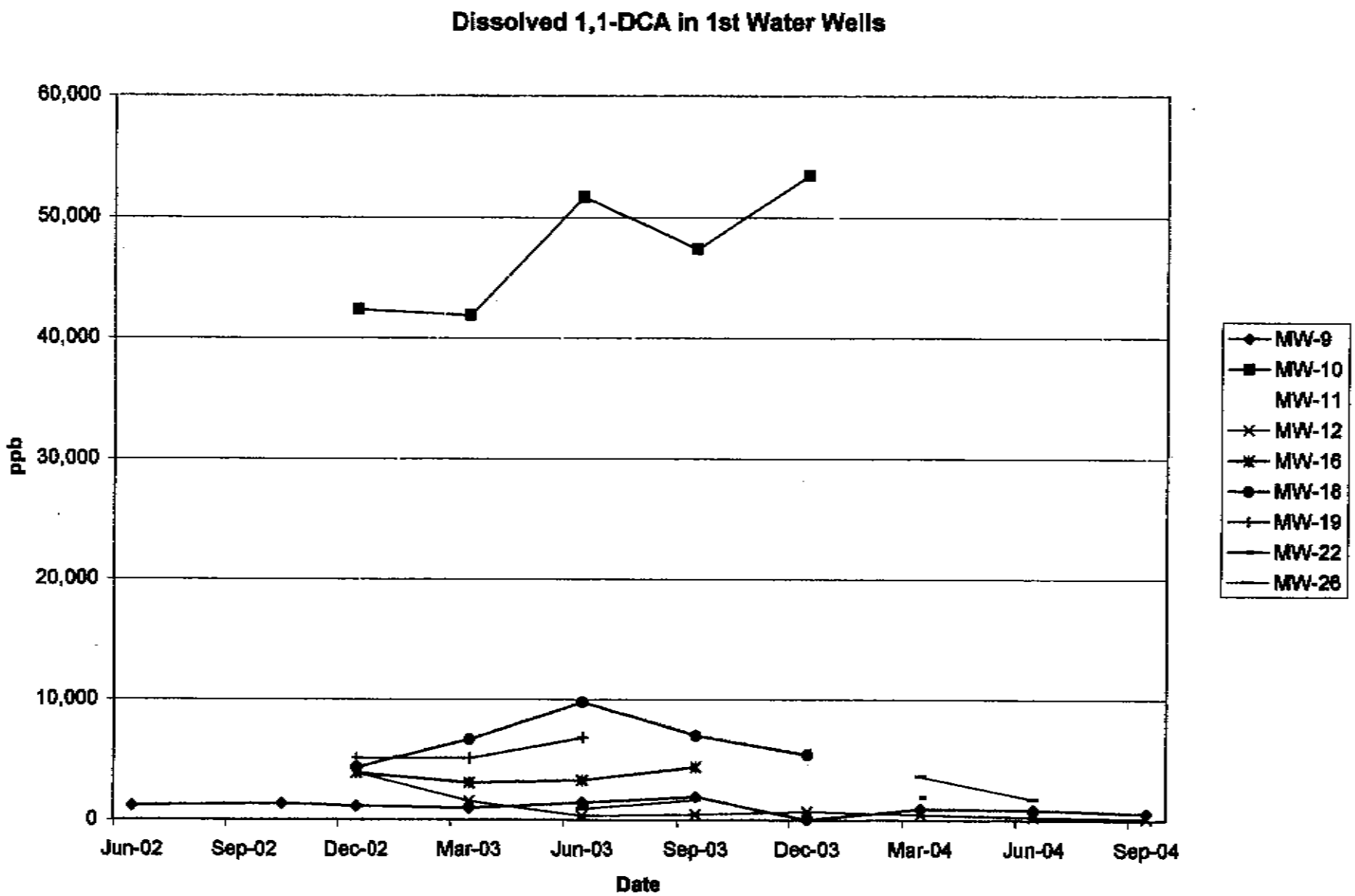

Dissolved 1,4-Dioxane in 1st Water Wells
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

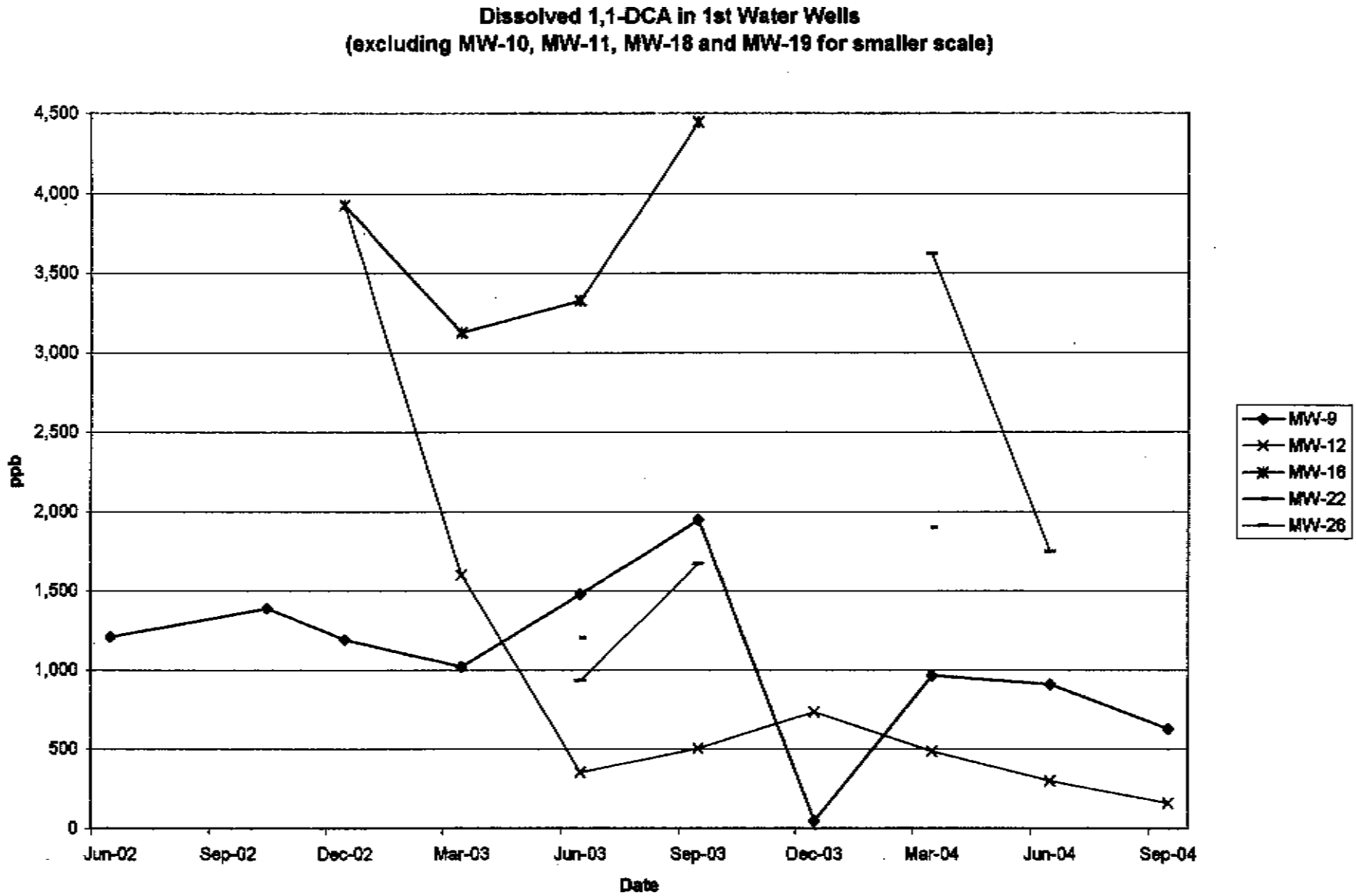
Dissolved 1,4-Dioxane in 1st Water Wells
(excluding MW-9 and MW-16 for smaller scale)

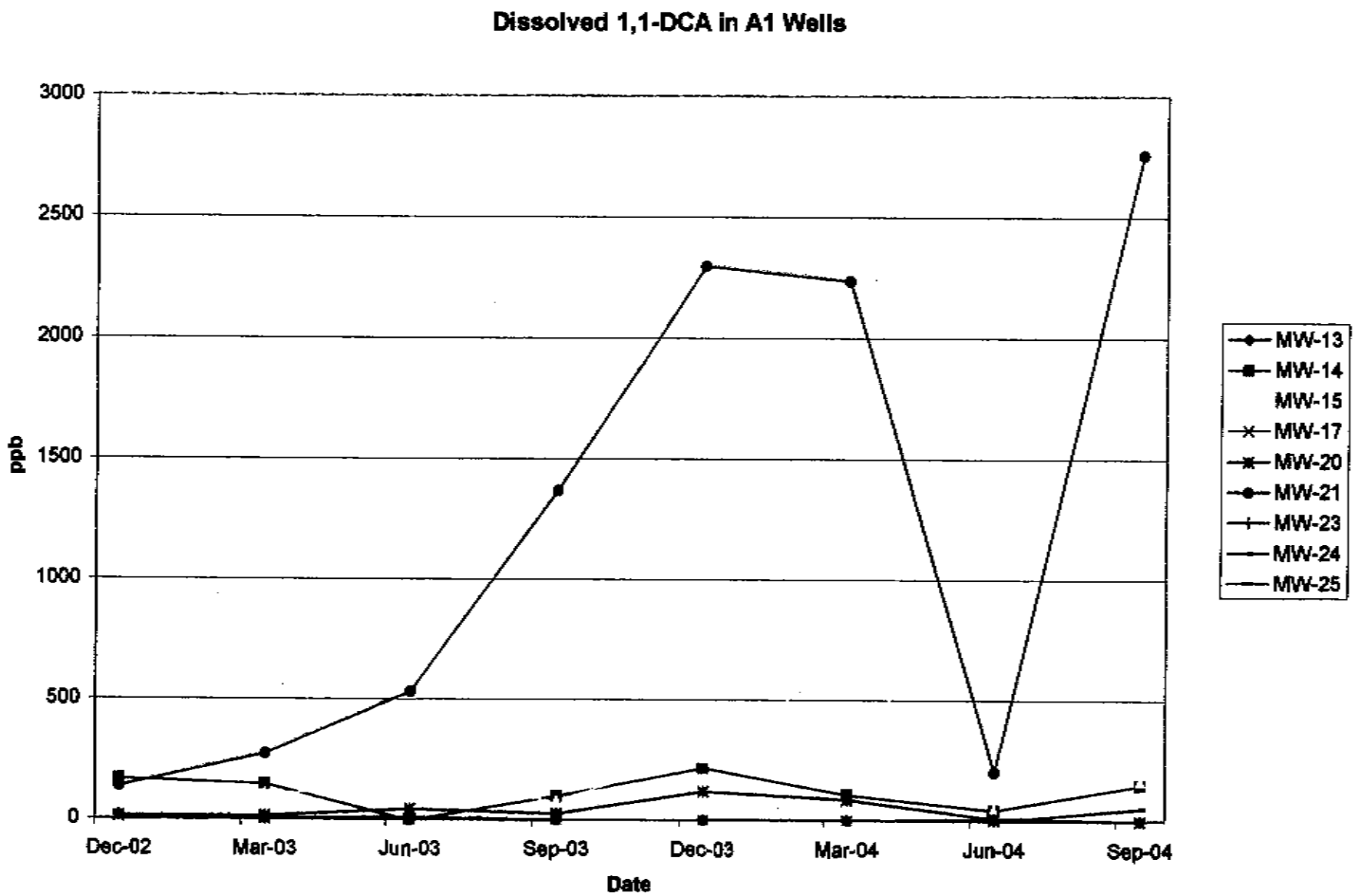



Dissolved 1,4-Dioxane in A1 Wells
800
700
600
500
400
300
200
100
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

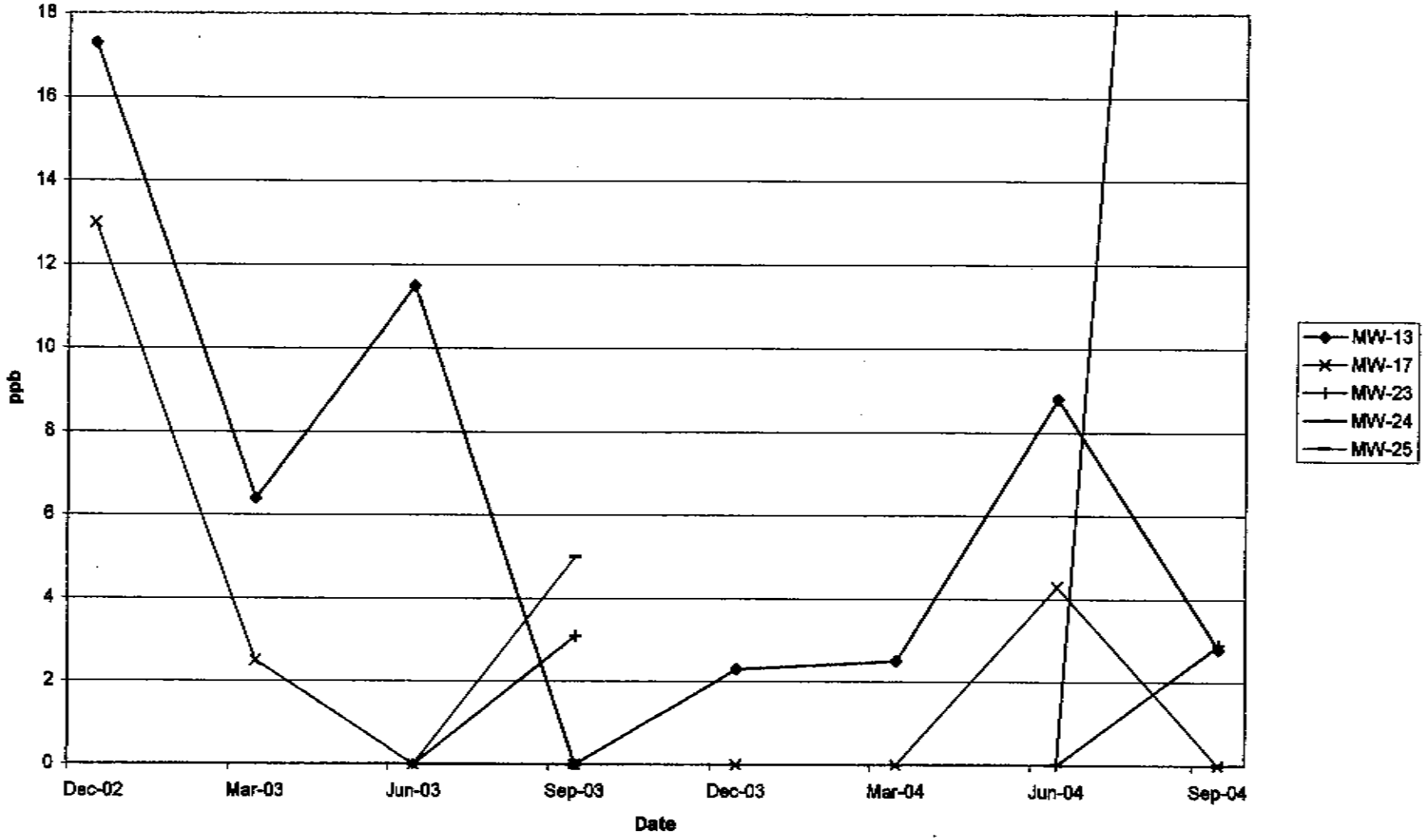

Dissolved 1,4-Dioxane in A1 Wells
(excluding MW-20 and MW-21 for smaller scale)
ppb
100
90
80
70
60
50
40
30
20
10
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-23
MW-24
MW-25

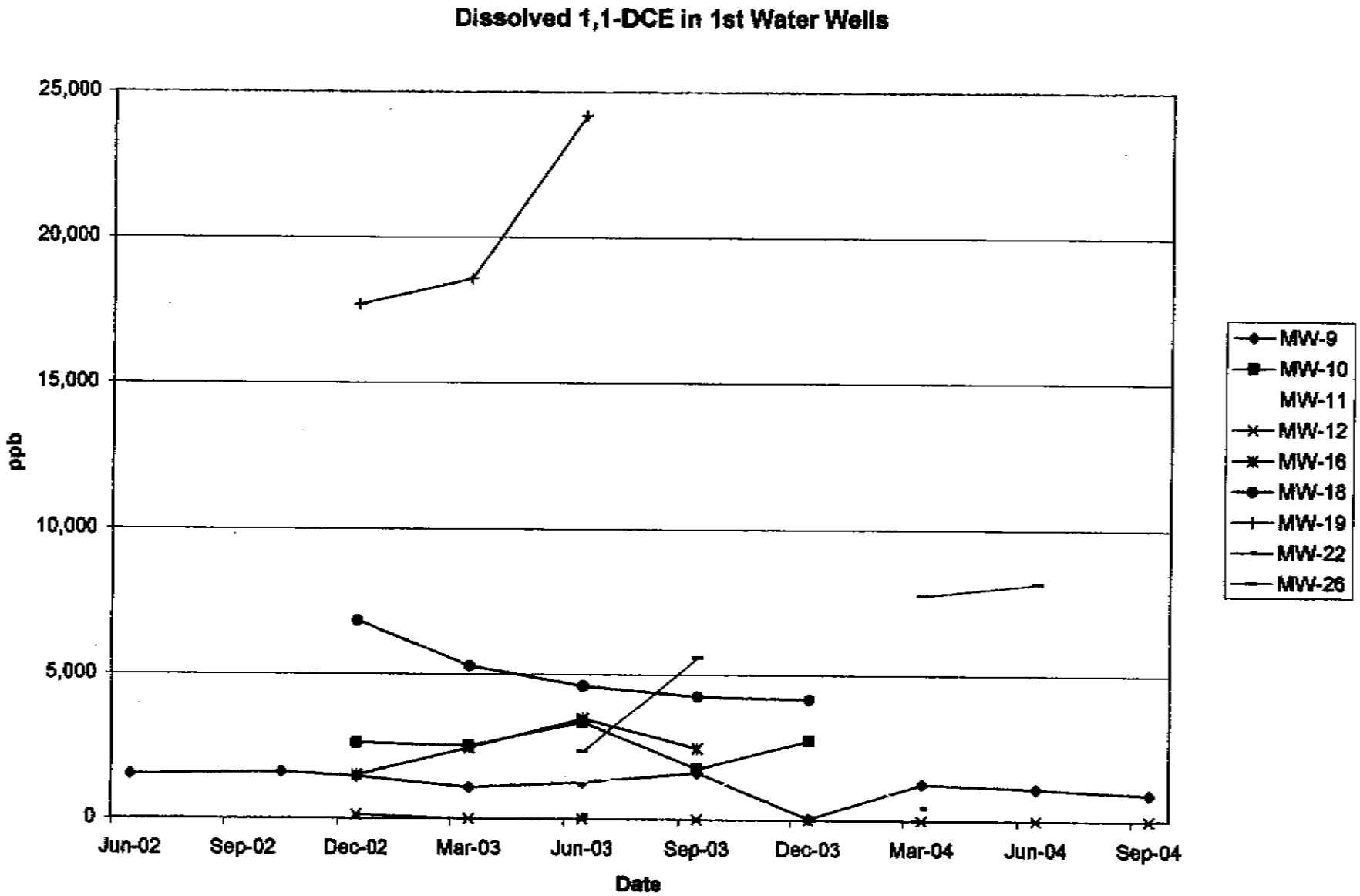

Dissolved 1,1-DCA in 1st Water Wells
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

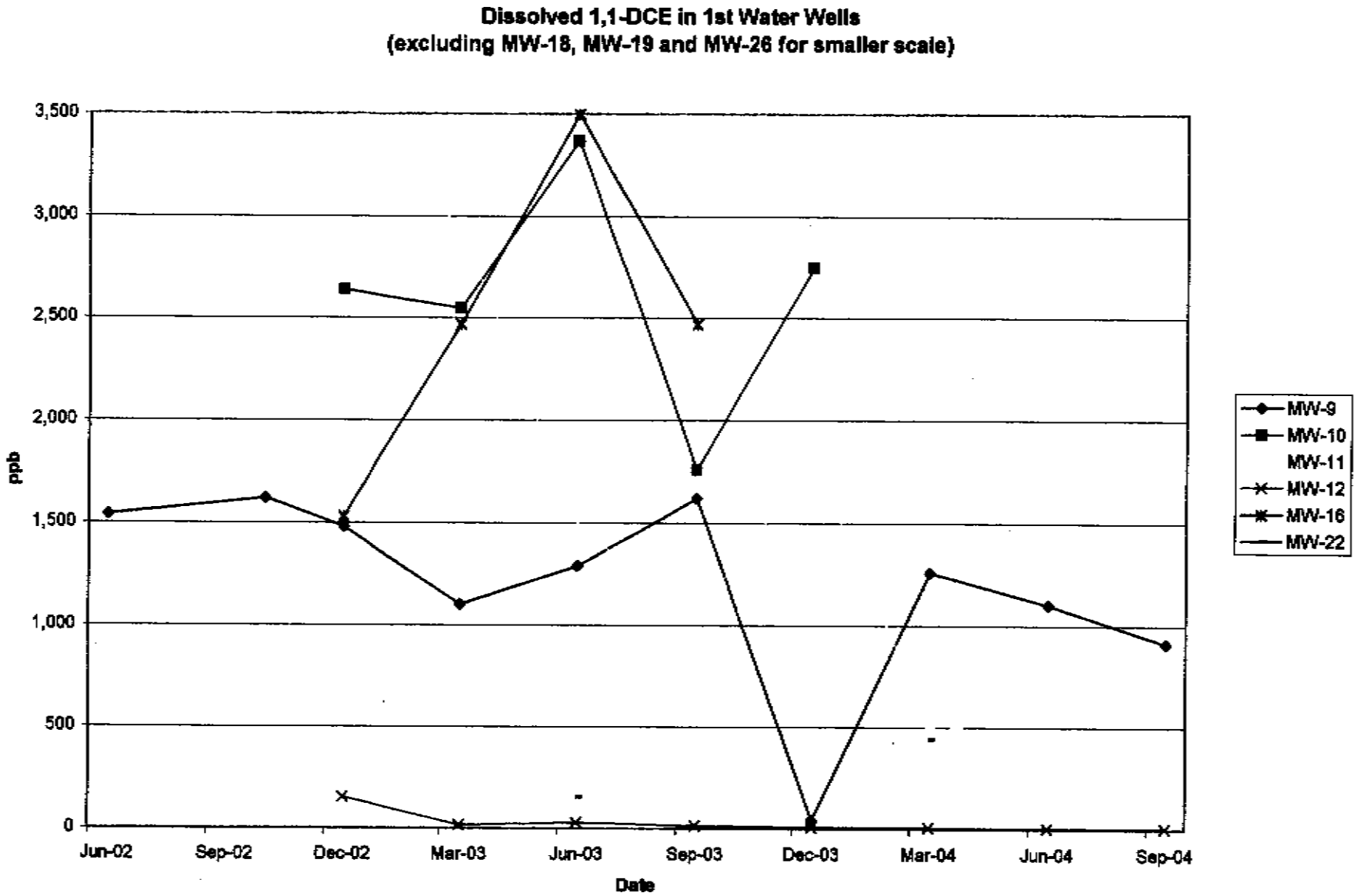

Dissolved 1,1-DCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18 and MW-19 for smaller scale)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-12
MW-16
MW-22
MW-26

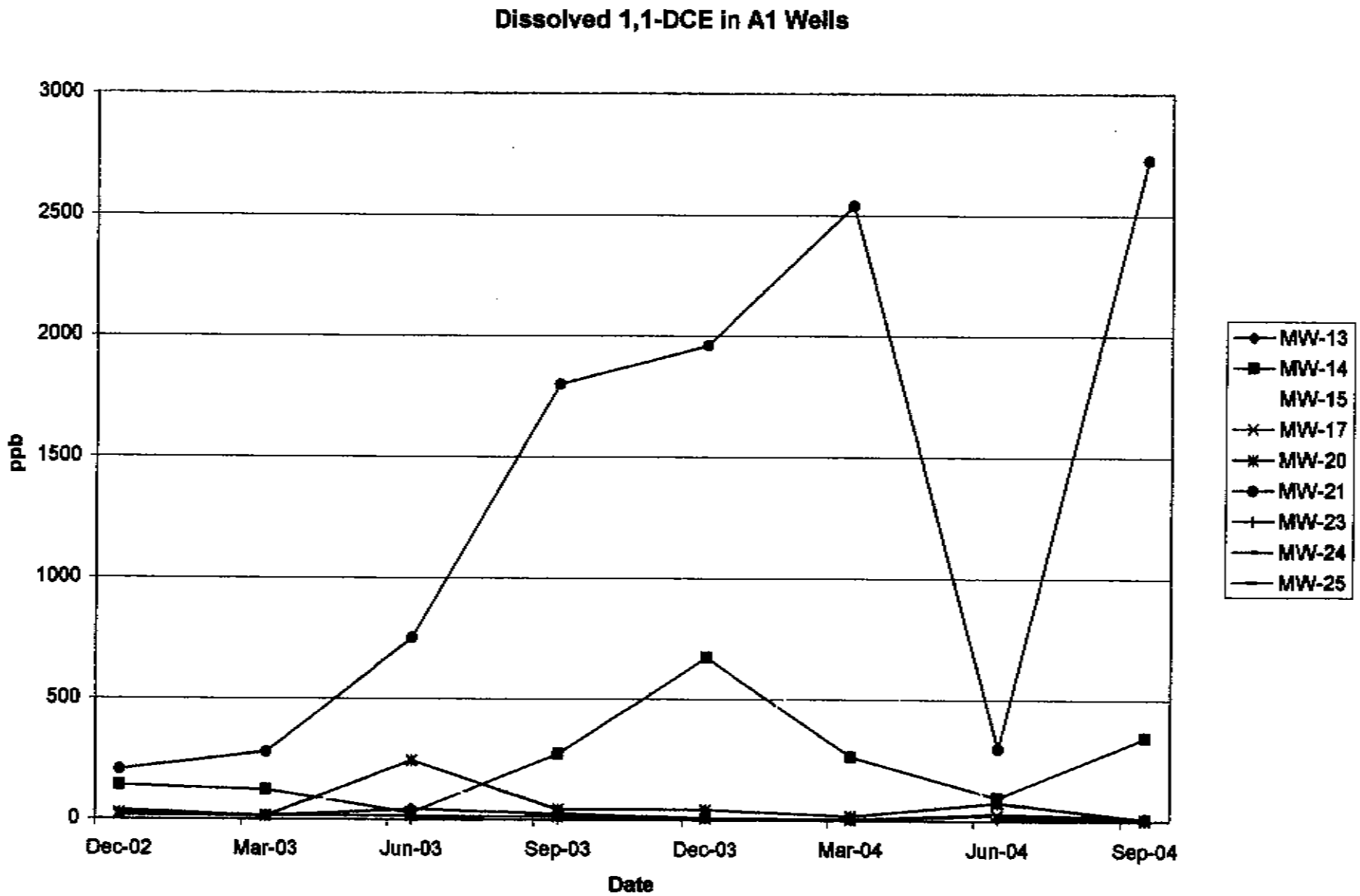

Dissolved 1,1-DCA in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

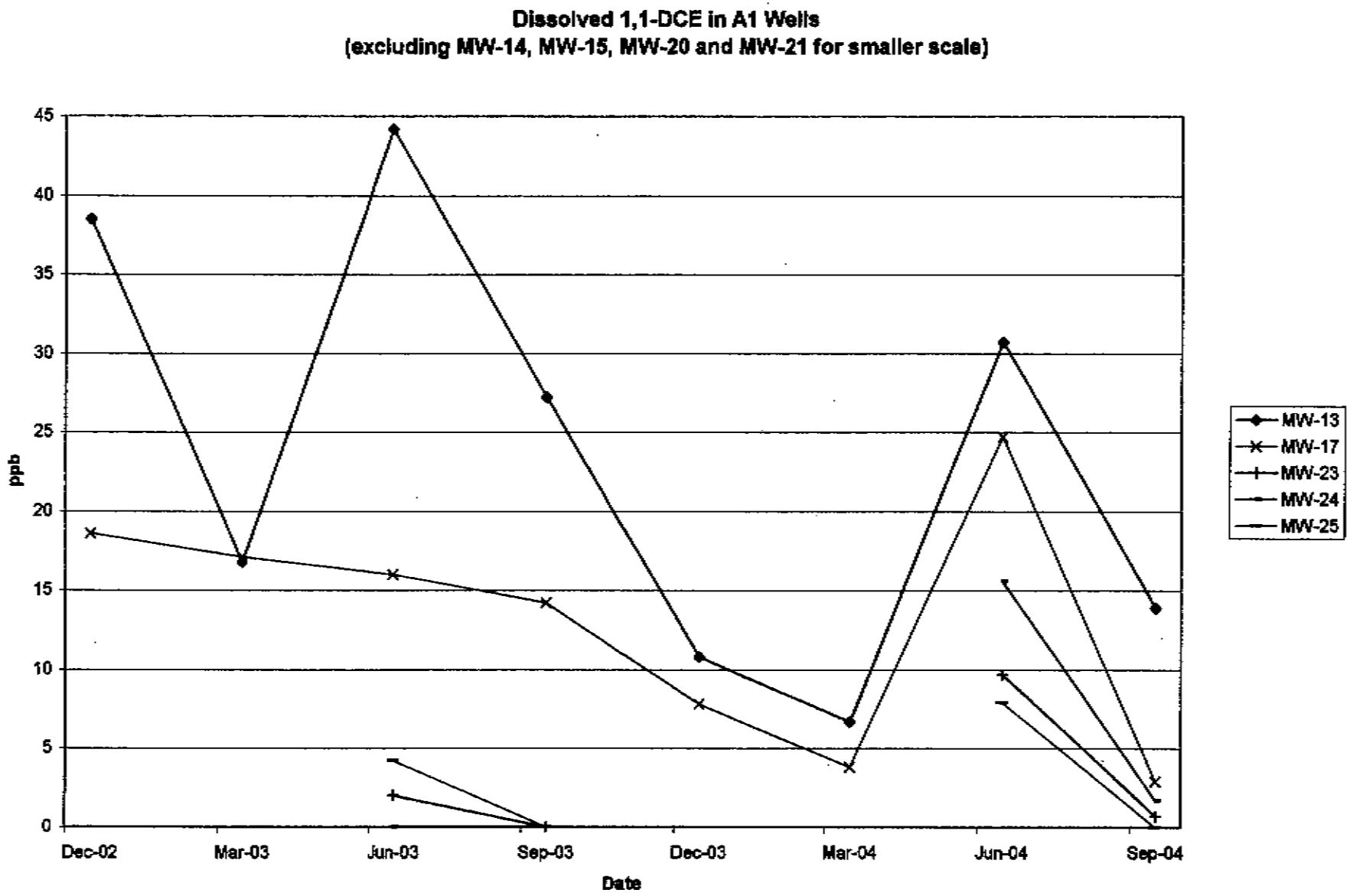
Dissolved 1,1-DCA in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)

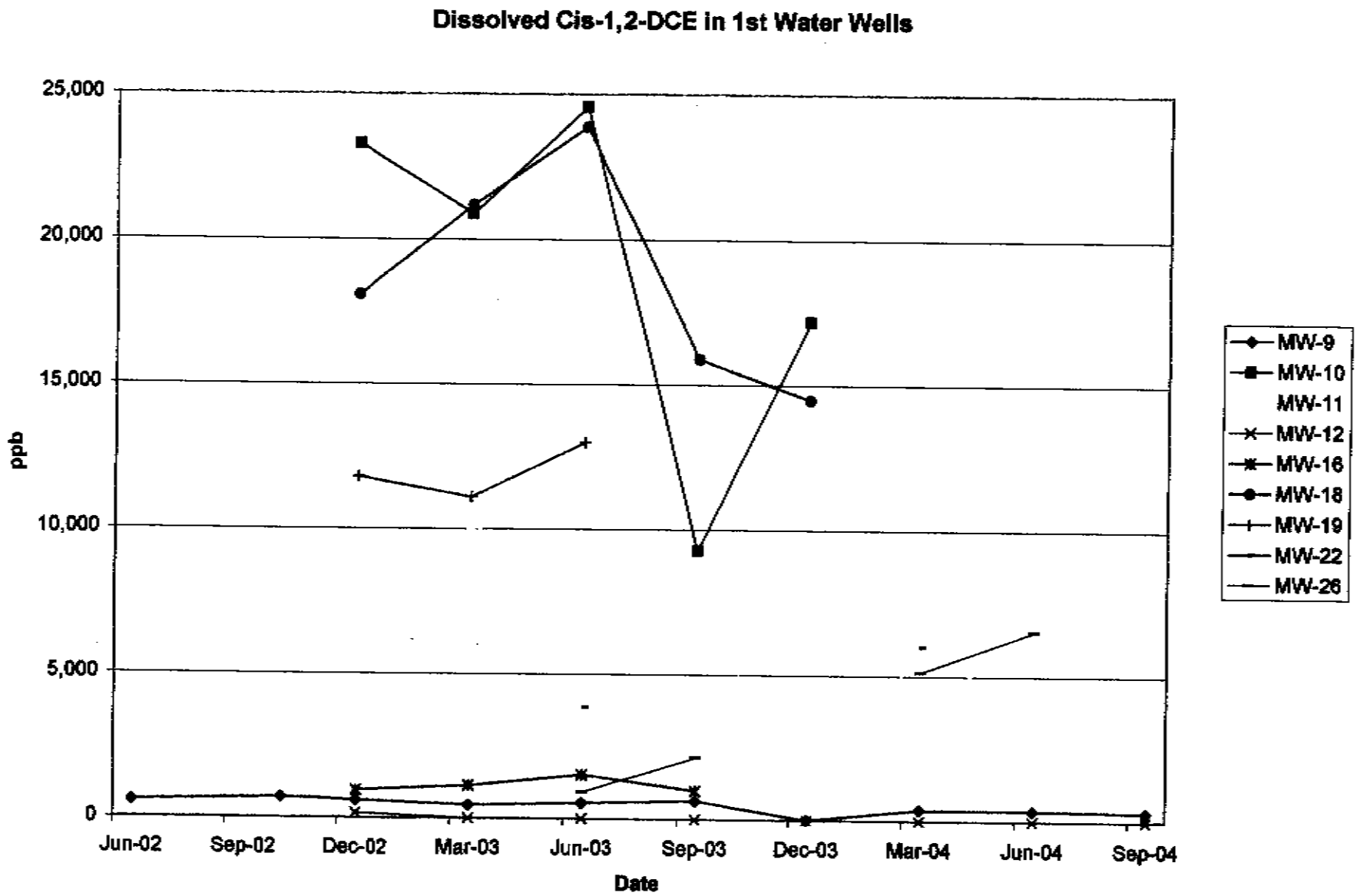


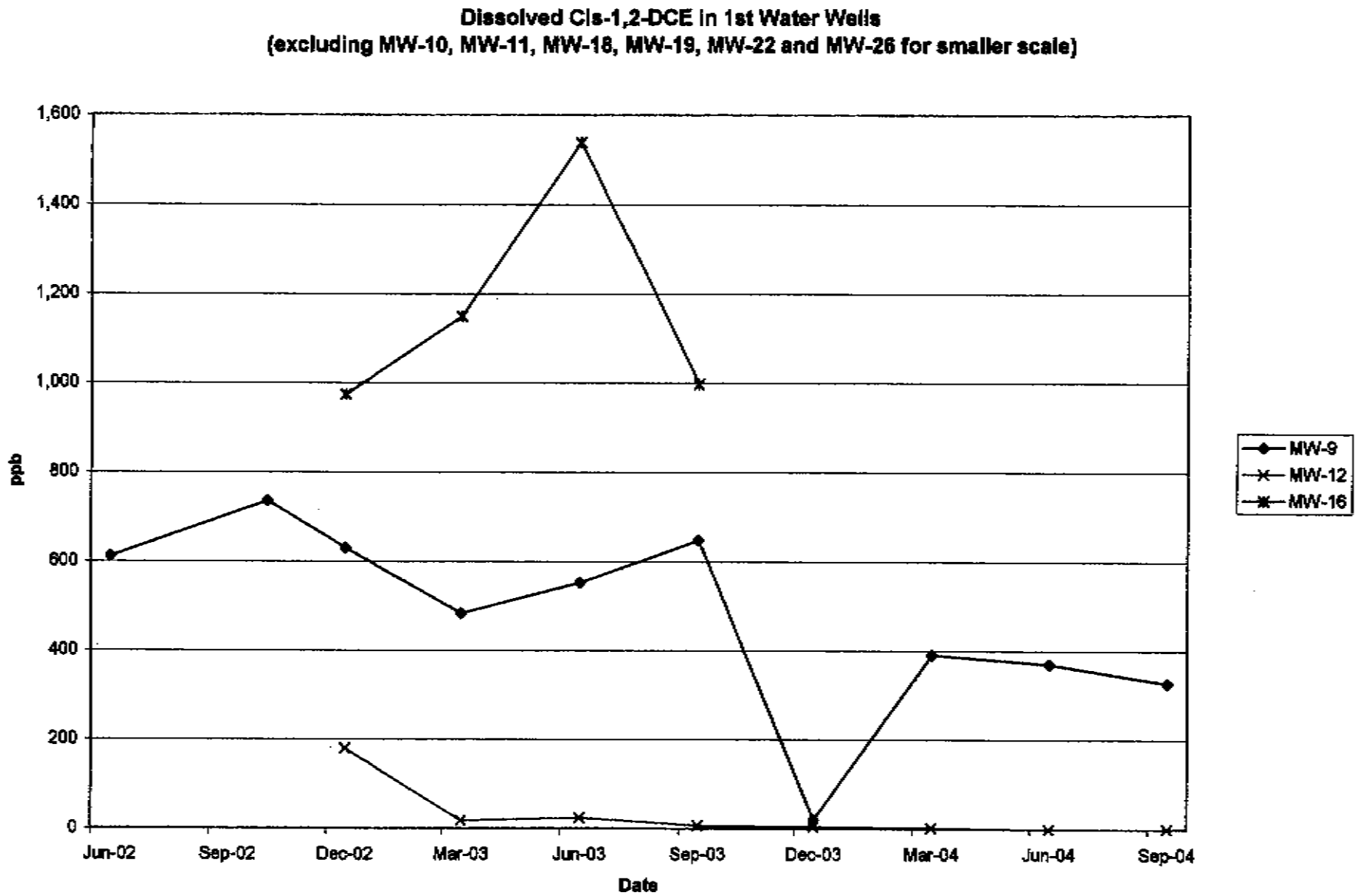

Dissolved 1,1-DCE in 1st Water Wells
25,000
20,000
15,000
10,000
5,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

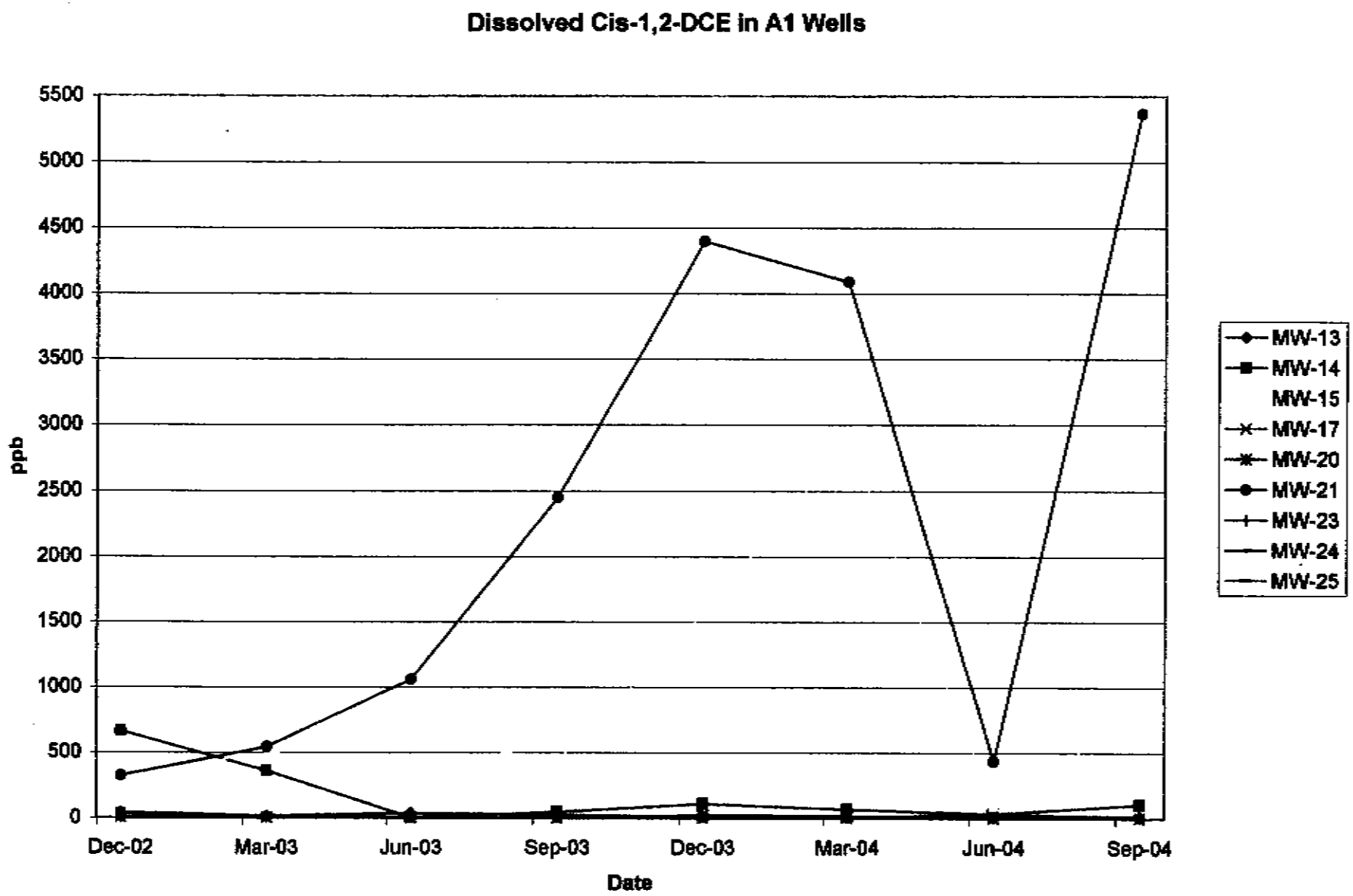

Dissolved 1,1-DCE in 1st Water Wells
(excluding MW-18, MW-19 and MW-26 for smaller scale)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-22


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

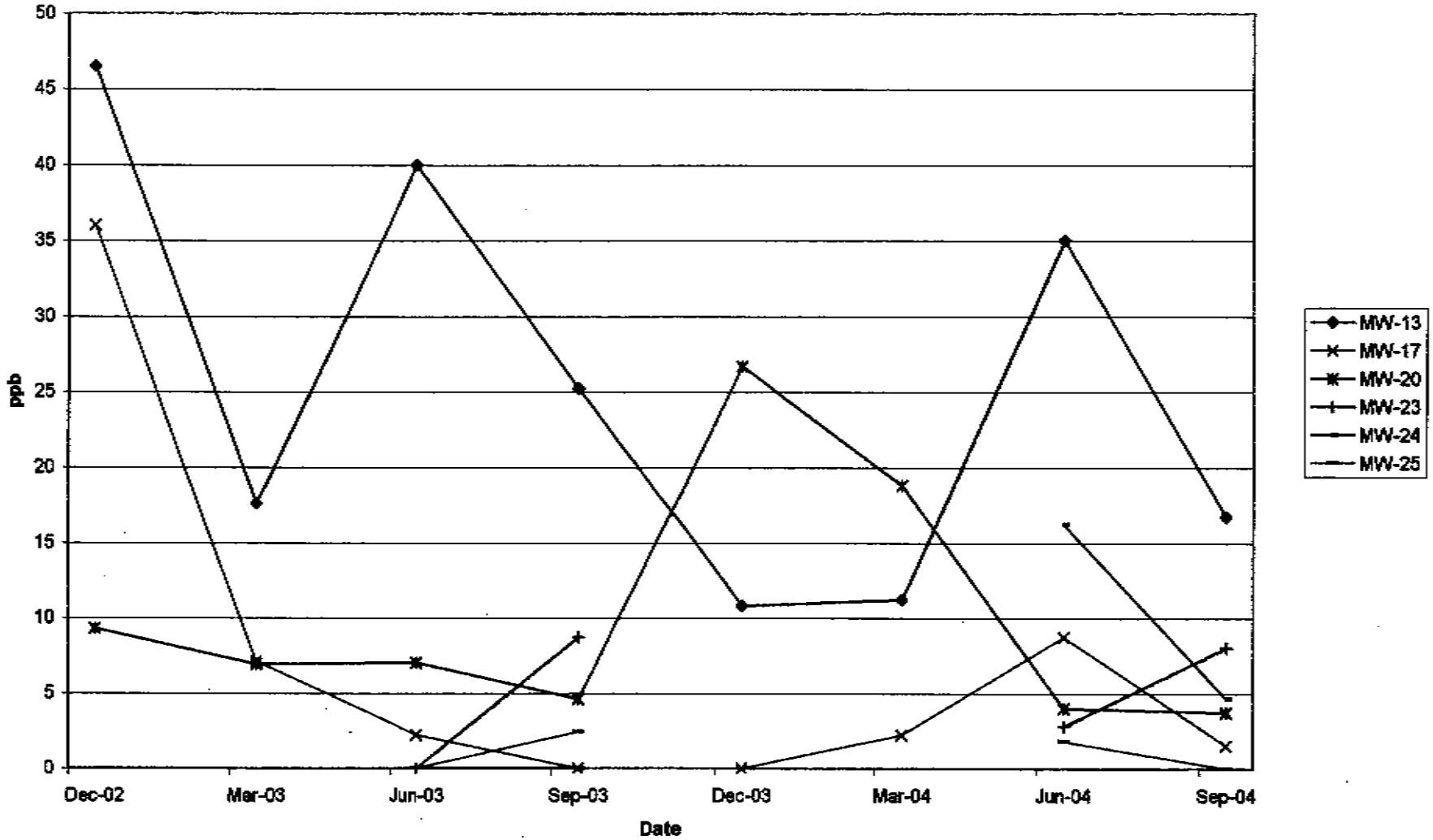

Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)
ppb
45
40
35
30
25
20
15
10
5
0
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-17
MW-23
MW-24
MW-25

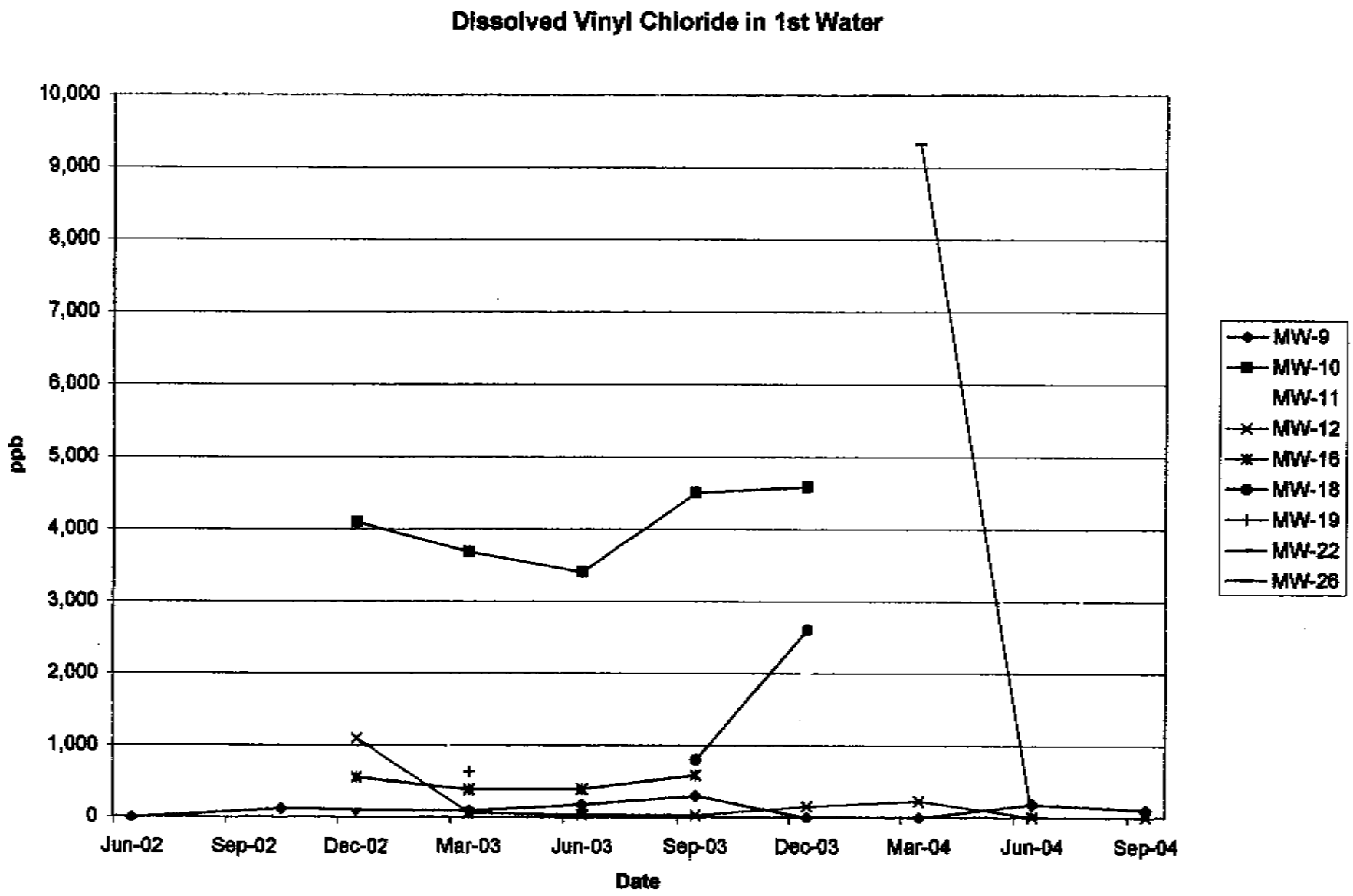

Dissolved Cis-1,2-DCE in 1st Water Wells
25,000
20,000
15,000
10,000
5,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26


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)
1,600
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
Date
MW-9
MW-12
MW-16

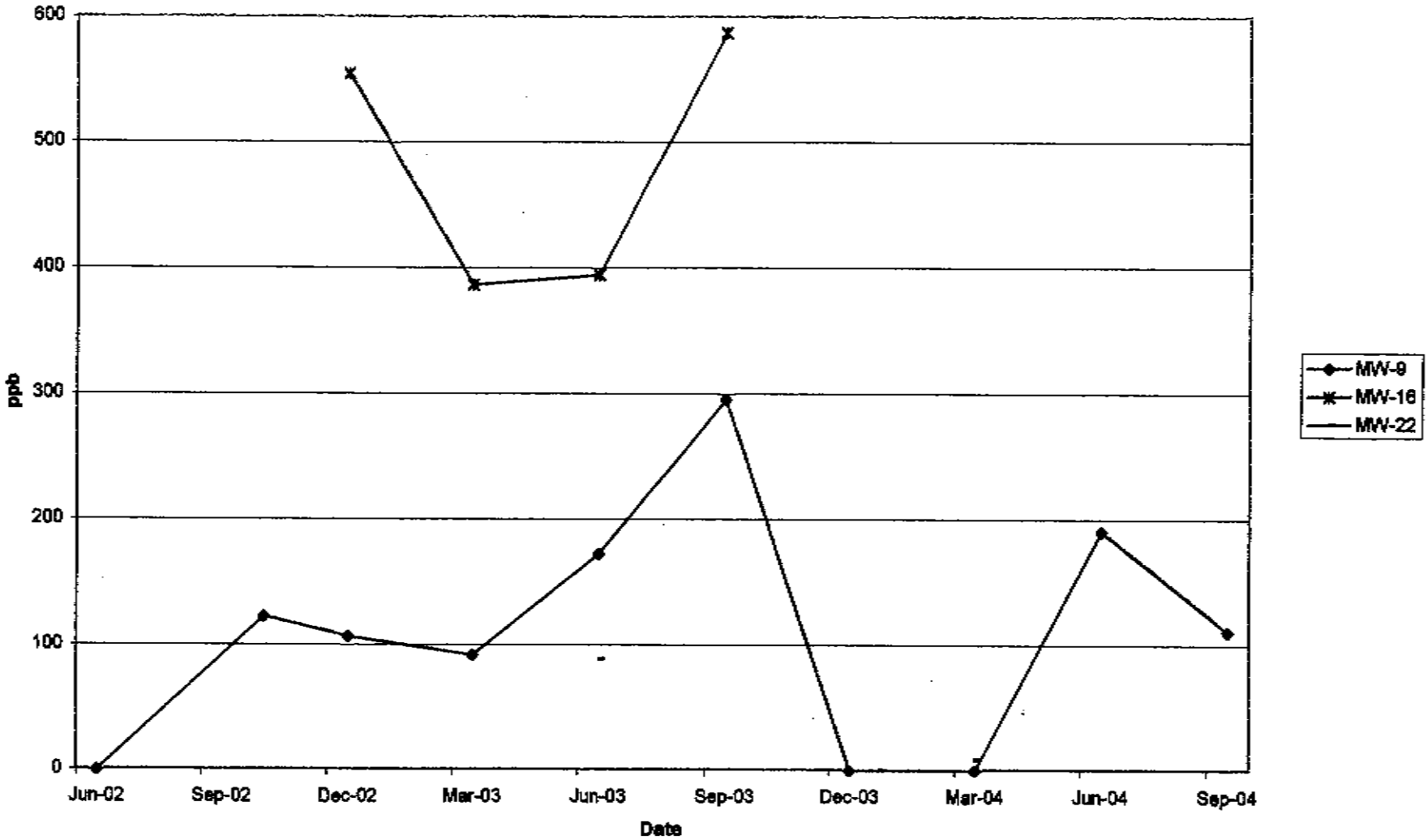

Dissolved Cis-1,2-DCE in A1 Wells
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

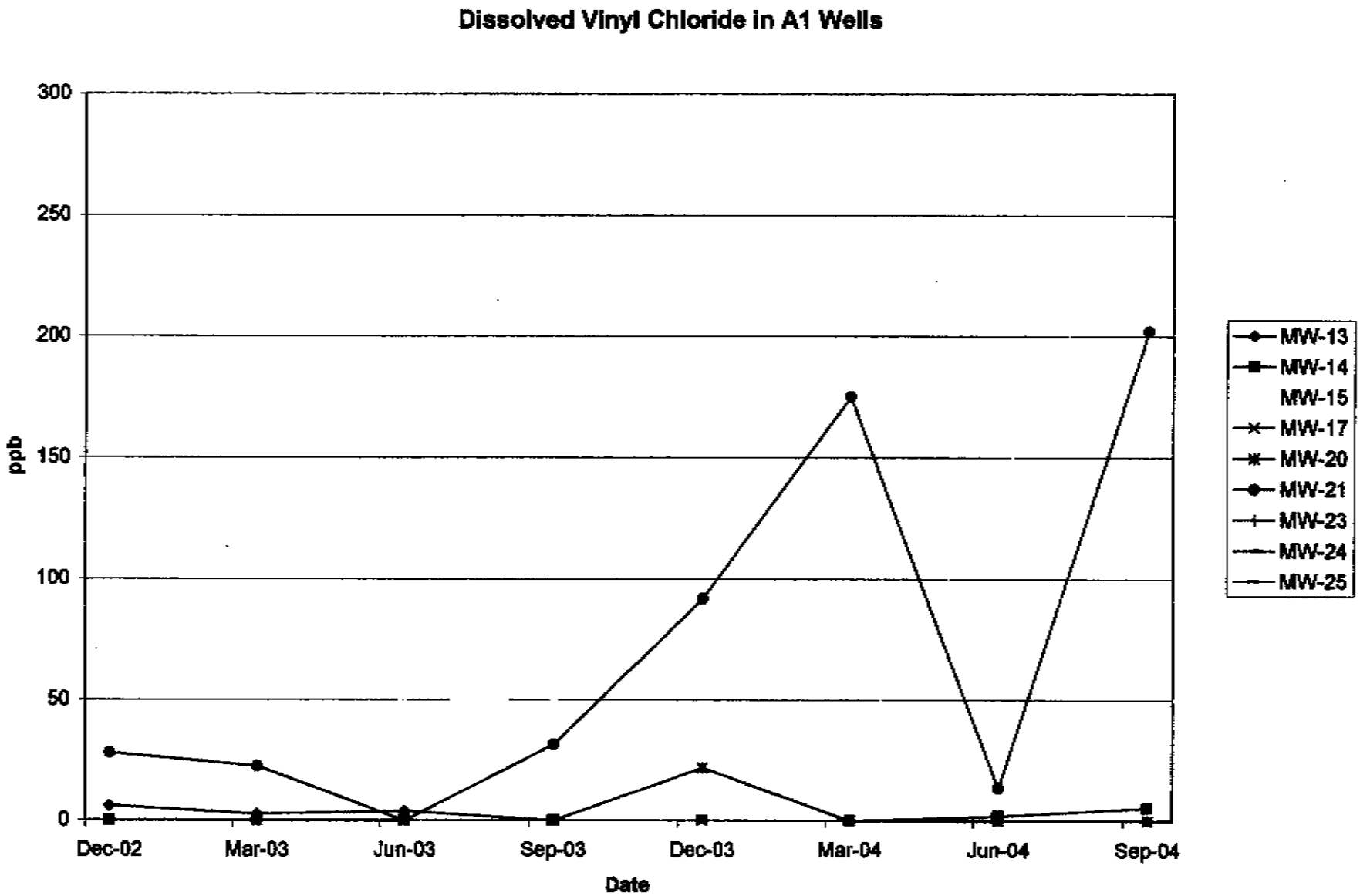
Dissolved Cis-1,2-DCE in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)

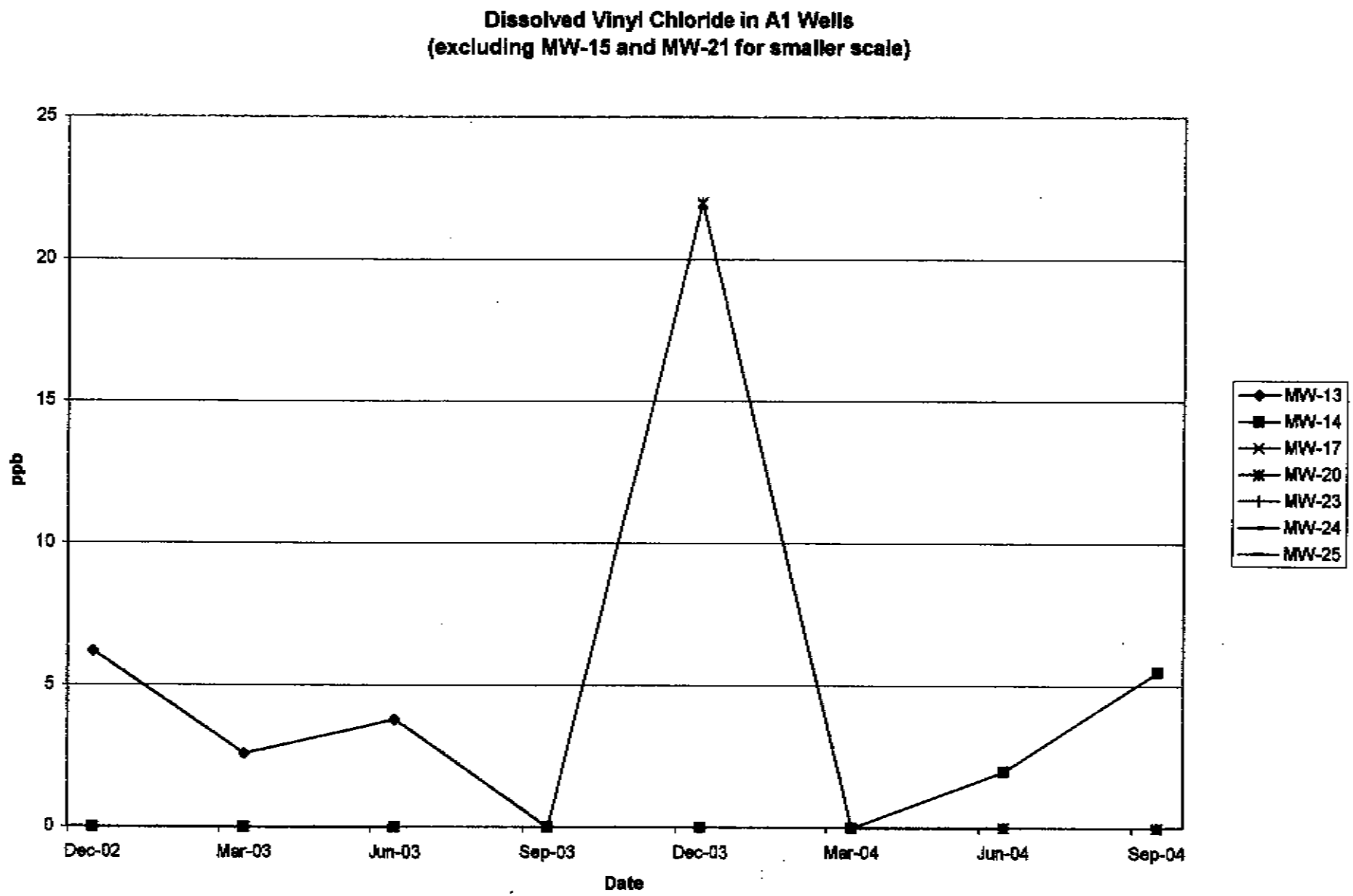


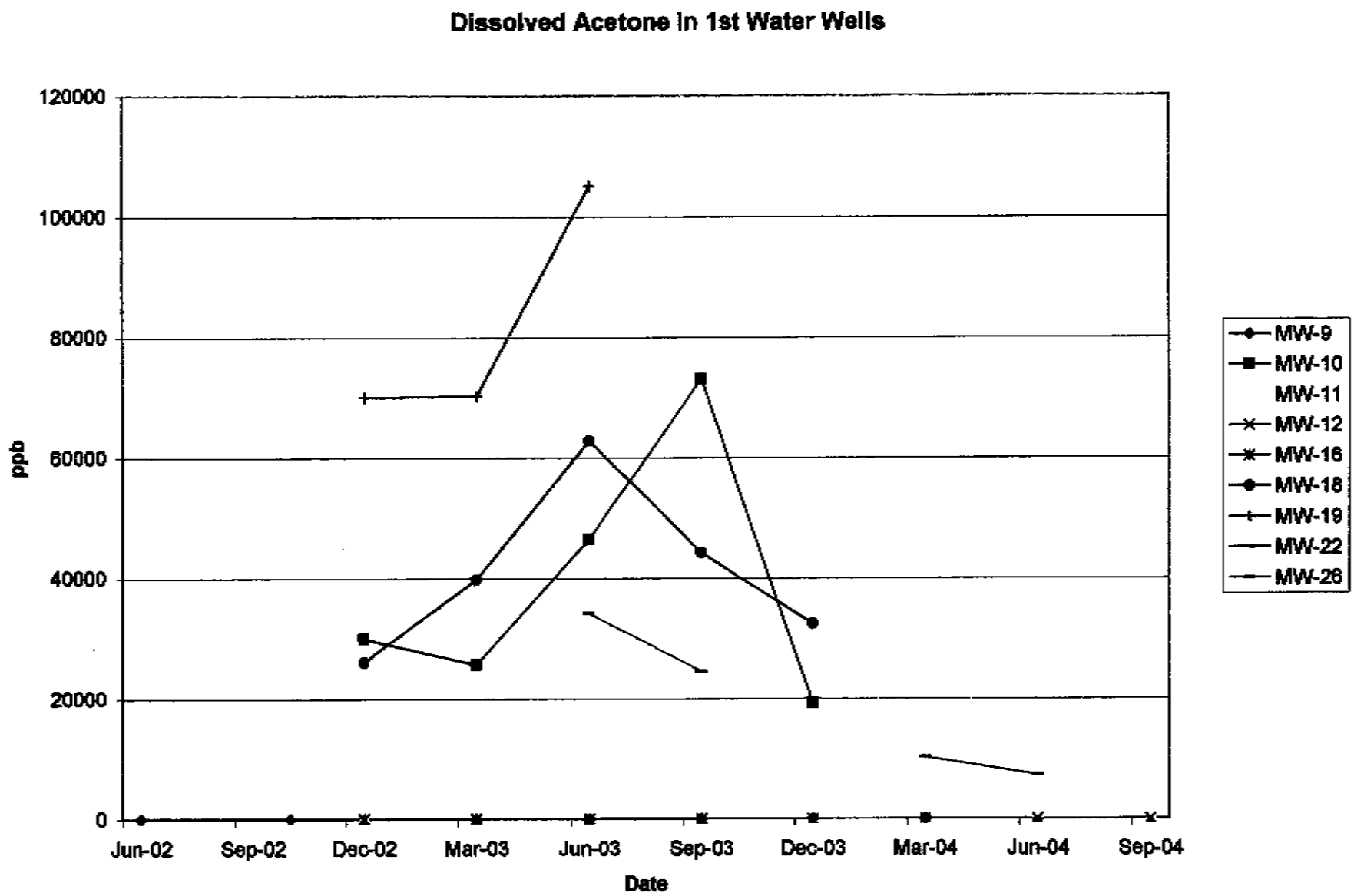

Dissolved Vinyl Chloride in 1st Water
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

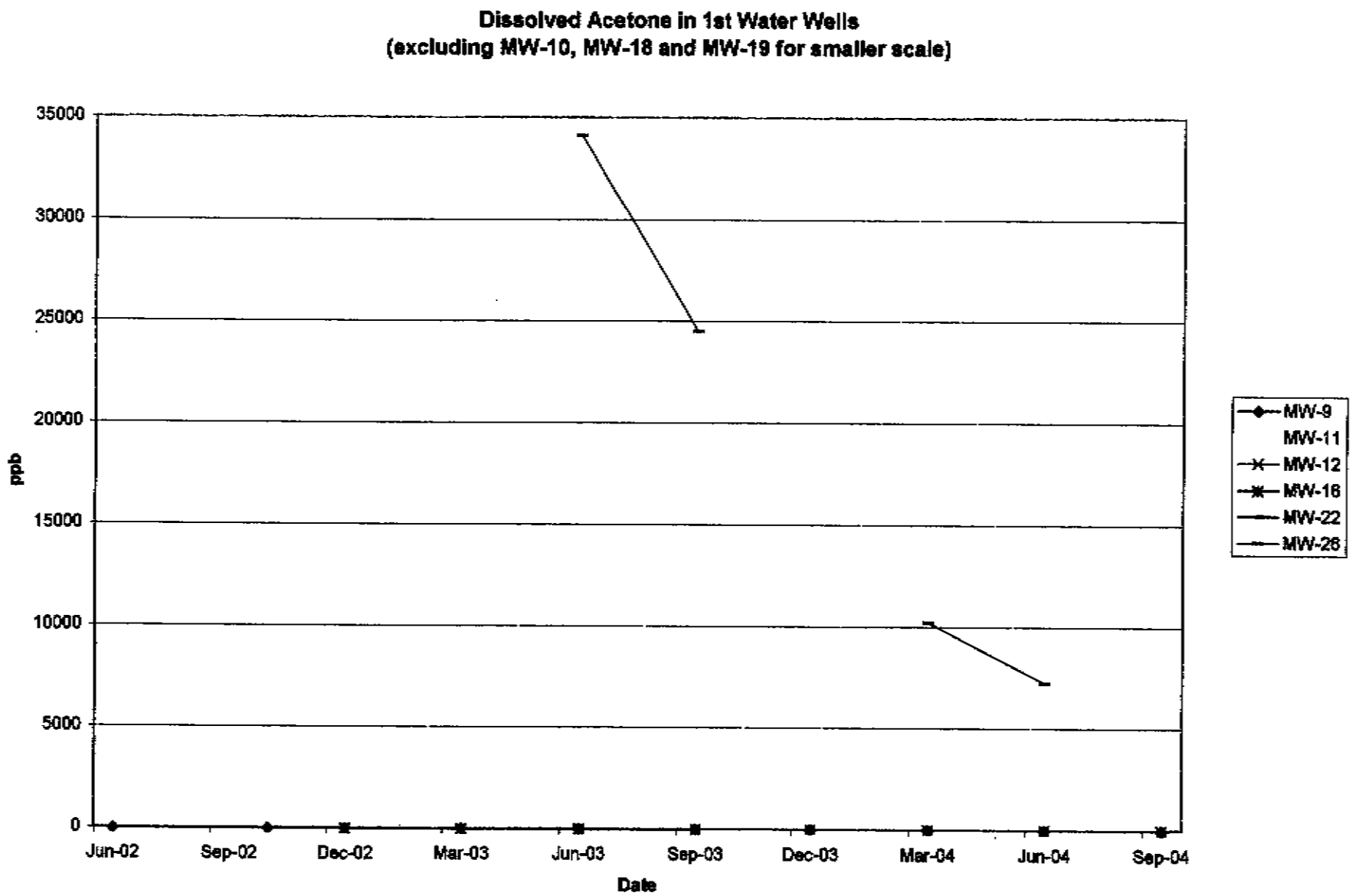
Dissolved Vinyl Chloride in 1st Water
(excluding MW-10, MW-11, MW-12, MW-18, MW-19 and MW-26 for smaller scale)

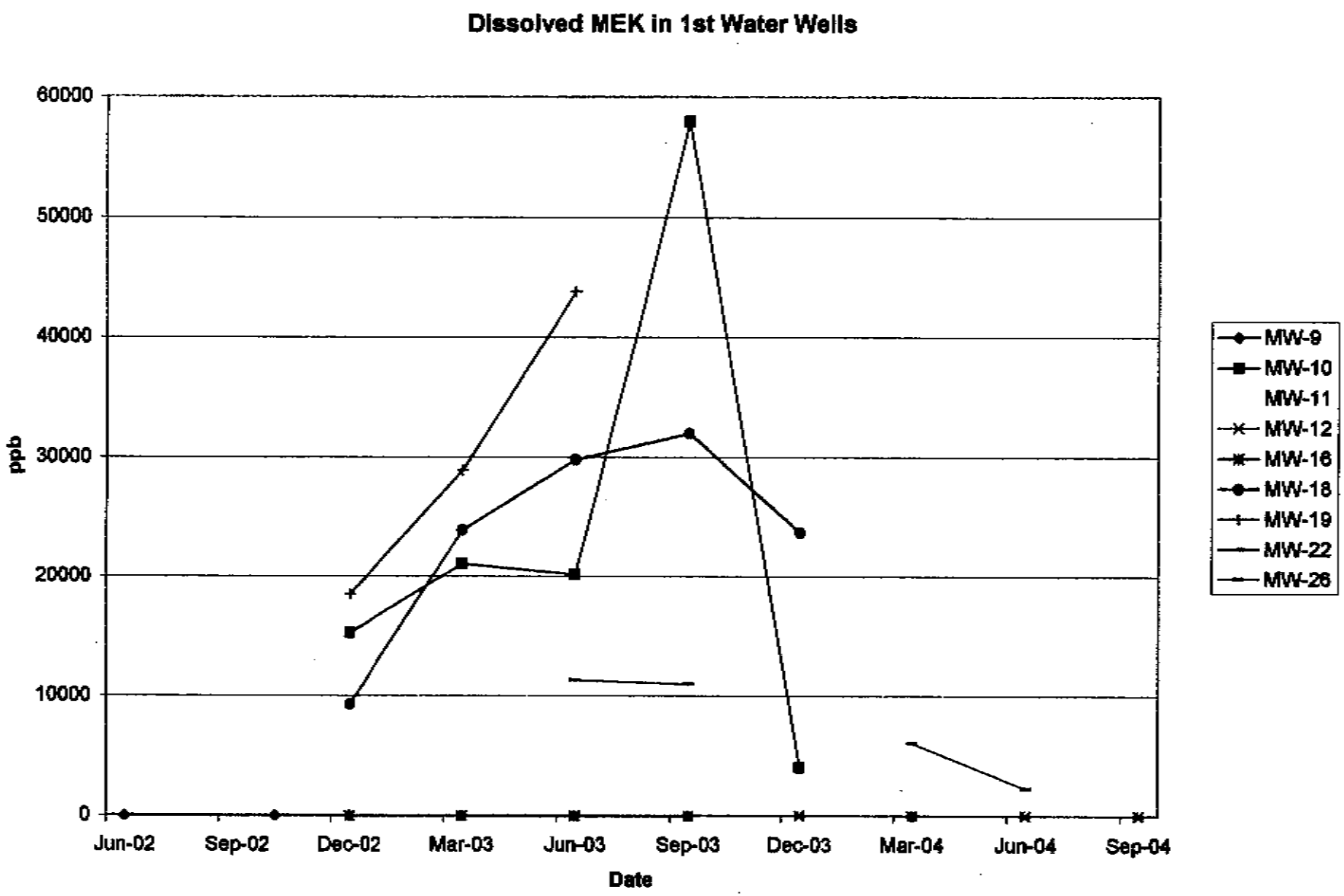


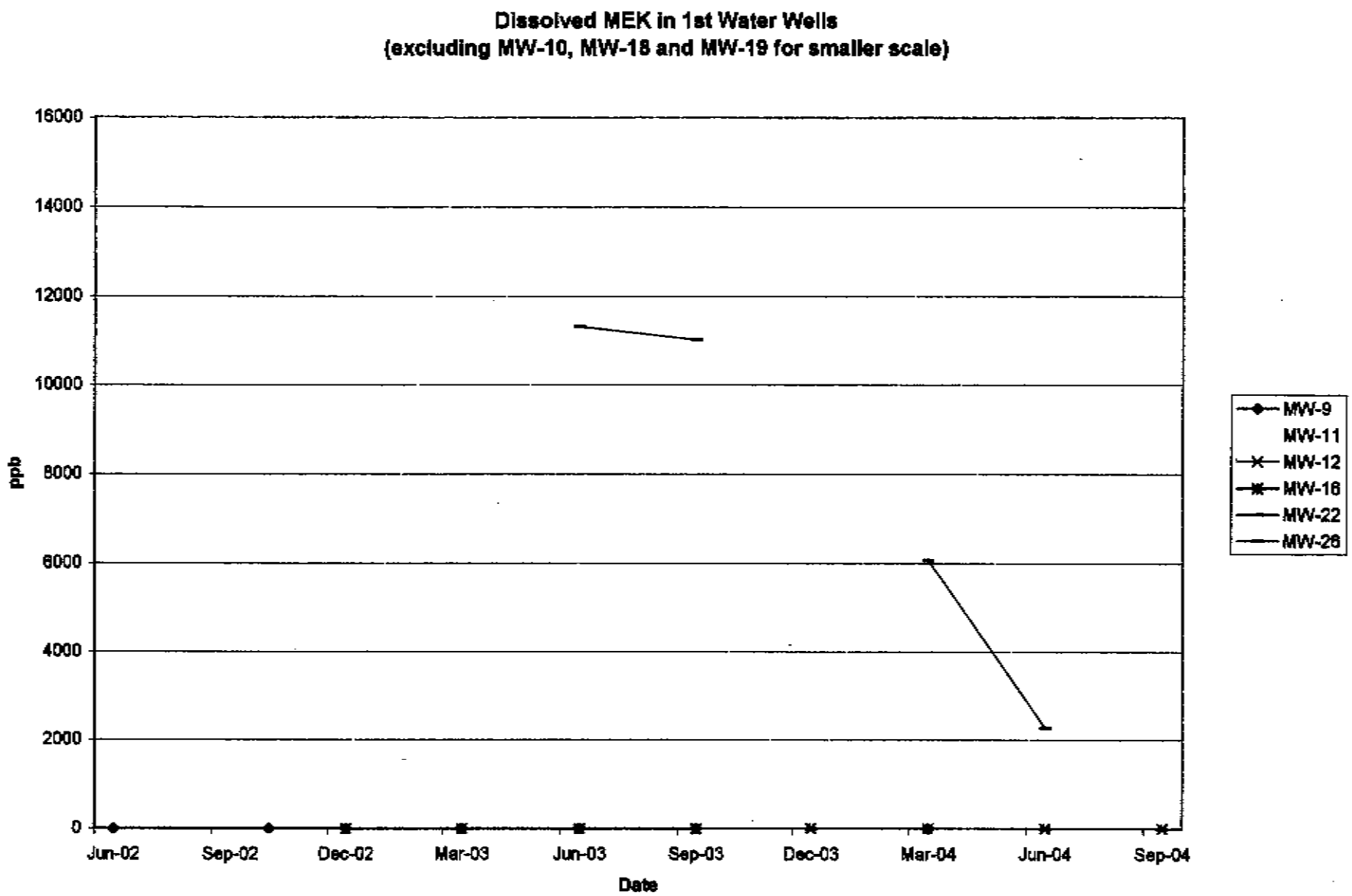

Dissolved Vinyl Chloride in A1 Wells
300
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25


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


Dissolved Acetone in 1st Water Wells
120000
100000
80000
60000
40000
20000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26


Dissolved Acetone in 1st Water Wells
(excluding MW-10, MW-18 and MW-19 for smaller scale)
35000
30000
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
Date
MW-9
MW-11
MW-12
MW-16
MW-22
MW-26


Dissolved MEK in 1st Water Wells
60000
50000
40000
30000
20000
10000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
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)
16000
14000
12000
10000
8000
6000
4000
2000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Date
MW-9
MW-11
MW-12
MW-16
MW-22
MW-26

APPENDIX
C

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number BL409067

Client: BE11

Address: 4359 Phelan Rd, Phelan, CA 92371

Report Attention: H. Garcia | Phone: 760 868 8572 | Fax: 760 868 8573 | Sampled by:

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

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

Sample Condition: ☐ Chilled ☐ Intact ☐ Sample seals

Analyses Requested

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 3ppb)	DOC, TOC, TDS	Chloride, Sulfate, Sulfide	Nitrate, Alkalinity, Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethane	Remarks
TB-1	BL409067-23	9-13-04	0700	Water	HCl	2-VOAs				X									
MW-24	-21	9-13-04	0825		"	3-VOAs				X			X						
MW-25	-22		0845		"	3-VOAs				X			X						
MW-23	-20		0900		"	3-VOAs				X			X						
MW-20@64.5'	-16		1057		HCl	3-VOAs				X			X						
MW-20@59.5'	-15		1057		HCl	3-VOAs				X			X						
MW-17@63.5'	-12		1122		"	2-VOAs				X			X						
MW-17@63.5' DUP GRAB	-13		1130		"	2-VOAs				X			X						
MW-20	-14		1152		HCl	3VOAs 2Amber 1Poly				X			X	X	X	X	X	X	
MW-21@61.5'	-19		1210		HCl	2-VOAs				X			X						
MW-21@56.5'	-18		1210		HCl	2-VOAs				X			X						
MW-21	-17		1238		HCl	3VOAs 2Amber 2Poly				X			X	X	X	X	X	X	
MW-14@57.5'	-9		1348		HCl	1VOAs				X			X						
MW-14@62.5'	-10		1348		HCl	2VOAs				X			X						
MW-9@42.5'	-3		1408		HCl	3VOAs				X			X						
MW-9@42.5' DUP	-4		1408		HCl	2VOAs				X			X						

Relinquished by	Company	Date	Time	Received by	Company
Wendy S Brown	BE11	9-13-04	1720		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.

CHAIN OF CUSTODY RECORD

Lab Job Number BL409067

Client: BEII

Address: 4359 Phelan Rd, Phelan, CA 92371

Report Attention: Hilario | Phone: 7608688572 | Fax: 7608688577 | Sampled by:

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 3ml)	DOC, TOC, TDS	Chloride, Sulfate, Sulfide	Nitrate, Alkalinity, Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethane	Remarks
MW-17	BL409067-11	9.13.04	1407	water	HCl	3VOAs 2Amber 2Poly				X			X	X	X	X	X	X	
MW-9 DB	-2	↓	1412	↓	↓	2VOAs				X			X						
MW-12	-7		1503			3VOAs 2Amber 2Poly				X			X	X	X	X	X	X	
MW-1	-1		1515			2VOAs				X									
MW-11 @38.5	-6		1535			1VOA				X			X						
MW-13	-8		1545			3VOAs 2Amber 2Poly				X			X	X	X	X	X	X	
EB-1	-24		1600			2VOAs				X									
MW-11	-5	↓	1635	↓	↓	3VOAs 2Amber 2Poly				X			X	X	X	X	X	X	

Relinquished by	Company	Date	Time	Received by	Company
Wendy S. Brown	BEII	9-13-04	1720	[signature]	CTS
Relinquished by	Company	Date	Time	Received by	Company

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

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

09-24-2004

Mr. Hiram Garcia
Blakely Environmental Investigations, Inc.
4359 Phelan Road
Phelan, CA 92371

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 09-13-2004
Lab Job No.: BL409067

Dear Mr. Garcia:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 09-13-2004 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.

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-13-2004
Matrix:	Water	Date Received:	09-13-2004

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-11	MW-12	MW-13	MW-17	MW-20	Reporting Limit
Ethylene	GC/FID	09-15-04	ug/L	4,620	46	ND	ND	ND	5
TDS	160.1	09-15-04	mg/L	1,370	578	1,190	1,080	1,300	2
Nitrate	352.1	09-14-04	mg/L	8.78	2.81	27.6	23.2	22.1	0.01
Sulfate	375.4	09-14-04	mg/L	ND	36.5	114	319	367	1.0
Total Iron	7380	09-15-04	mg/L	5.1	ND	ND	ND	ND	0.1
Manganese	7460	09-15-04	mg/L	9.04	1.12	0.12	0.08	0.09	0.05
Ferrous Iron	Colori-metry	09-14-04	mg/L	1.46	ND	ND	ND	ND	0.05

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-21					Reporting Limit
Ethylene	GC/FID	09-15-04	ug/L	49					5
TDS	160.1	09-15-04	mg/L	1,180					2
Nitrate	352.1	09-14-04	mg/L	8.47					0.01
Sulfate	375.4	09-14-04	mg/L	192					1.0
Total Iron	7380	09-15-04	mg/L	ND					0.1
Manganese	7460	09-15-04	mg/L	1.79					0.05
Ferrous Iron	Colori-metry	09-14-04	mg/L	ND					0.05

ND: Not Detected (at the specified limit).

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-13-2004
Matrix:	Water	Date Received:	09-13-2004
Batch No.:	BMI14-GW1	Date Analyzed:	09-14-2004

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

Sample ID	Lab ID	Gasoline (C4-C12)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-9DB	BL406067-2	1,730	50	50
MW-9@42.5'	BL406067-3	1,430	50	50
MW-9@42.5' Dup	BL406067-4	1,910	50	50
MW-11	BL409067-5	62,400	50	50
MW-11@38.5'	BL409067-6	51,000	50	50
MW-12	BL409067-7	1,730	50	50
MW-13	BL409067-8	224	50	50
MW-17	BL409067-11	ND	50	50
MW-17@63.5'	BL409067-12	ND	50	50
MW-17@63.5' Dup	BL409067-13	ND	50	50
MW-20	BL409067-14	ND	50	50
MW-20@59.5'	BL409067-15	88	50	50
MW-20@64.5'	BL409067-16	84	50	50
MW-21	BL409067-17	8,090	50	50
MW-21@56.5'	BL409067-18	2,300	50	50
MW-21@61.5'	BL409067-19	1,350	50	50

ND: Not Detected (at the specified limit)

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-13-2004
Matrix:	Water	Date Received:	09-13-2004
Batch No.:	0916-BNA1	Date Analyzed:	09-16-2004

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-11	BL409067-5	304	2	3.0
MW-12	BL409067-7	ND	2	3.0
MW-13	BL409067-8	ND	2	3.0
MW-17	BL409067-11	ND	2	3.0
MW-20	BL409067-14	ND	2	3.0
MW-21	BL409067-17	676	2	3.0

ND: Not Detected (at the specified limit)

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-13-2004
Matrix:	Water	Date Received:	09-13-2004
Batch No.:	0914-VOBW	Date Analyzed:	09-14-2004

EPA 8260B (1,4-Dioxane by GC/MS)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Dilution Factor (DF)	1,4-Dioxane	Method Detection Limit (MDL)	PQL
Method Blank		1	ND	200	250
MW-9DB	BL409067-2	5	ND	200	250
MW-9@42.5'	BL409067-3	5	1,720	200	250
MW-9@42.5' Dup	BL409067-4	5	2,330	200	250
MW-11@38.5'	BL409067-6	50	ND	200	250
MW-14@57.5'	BL409067-9	1	1,290	200	250
MW-14@62.5'	BL409067-10	1	ND	200	250
MW-17@63.5'	BL409067-12	1	ND	200	250
MW-17@63.5' Dup	BL409067-13	1	ND	200	250
MW-20@59.5'	BL409067-15	1	ND	200	250
MW-20@64.5'	BL409067-16	1	ND	200	250
MW-21	BL409067-17	1	892	200	250
MW-21@56.5'	BL409067-18	1	500	200	250
MW-21@61.5'	BL409067-19	1	270	200	250
MW-23	BL409067-20	1	ND	200	250
MW-24	BL409067-21	1	ND	200	250
MW-25	BL409067-22	1	ND	200	250
		1			

PQL:Practical Quantitation Limit

ND:Not Detected (below DF × MDL)

Note: The low detection limit method (i.e., modified EPA 8270C) for 1,4-dioxane could not be performed on these samples (except MW-21) due to insufficient sample amount.

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

DATE ANALYZED			09-14	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04
DILUTION FACTOR				1	5	5	5	25	50
LAB SAMPLE I.D.				BL409067-1	BL409067-2	BL409067-3	BL403124-4	BL409067-5	BL409067-6
CLIENT SAMPLE I.D.				MW-1	MW-9DB	MW-9@42.5	MW-9@42.5' DUP	MW-11	MW-11@38.5'
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	13.7	133	91.4	128	2550*	900
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	3,080	5,770
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	5.0	1,370	1,100	1,450	434	ND
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	192	697	552	718	29,400*	41,400
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	2.0 J	319	254	344	3,730*	570
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	3.2 J	9.5 J	8.5 J	9.5 J	485	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	18.9	15.5	20.6	709	705
Trichloroethene	2	2	ND	ND	42.4	31.8	42.7	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	96.7	ND	ND	ND	144	95 J
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

COMPOUND	MDL	PQL	MB	MW-1	MW-9DB	MW-9@42.5	MW-9@42.5' DUP	MW-11	MW-11@38.5'
Toluene	1	1	ND	1.8	ND	ND	ND	16,200	17,000
Tetrachloroethene	2	2	ND	4.0	217	195	242	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	2.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	193	ND	ND	ND	1,160	905
Total Xylenes	1	1	ND	178	ND	ND	ND	3,200	2,520
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	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	226	ND	ND	ND	230 J	120J
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	480	ND	ND	ND	500*	405
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	886	ND	ND	ND	925*	990
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	5.3	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	17.1	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	164	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	566 J	252 J
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
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; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration, * obtained from higher dilution.

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

DATE ANALYZED			09-14	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04
DILUTION FACTOR			1	2	1	1	1	1	1
LAB SAMPLE I.D.				BL409067-7	BL409067-8	BL409067-9	BL409067-10	BL409067-11	BL409067-12
CLIENT SAMPLE I.D.				MW-12	MW-13	MW-14 @57.5'	MW-14 @62.5	MW-17	MW-17 @63.5'
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	10.0	ND	10.0	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	2 J	2.2 J
1,1-Dichloroethene	2	5	ND	4.5	13.9	580*	6.3	2.9 J	2.3 J
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	2.1 J	ND	ND	ND
1,1-Dichloroethane	1	2	ND	160	2.8	317	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	1.6 J	16.7	212	2.6 J	1.5 J	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	12.3	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	2.4 J	ND	ND	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	0.6 J	ND	7.9	ND	ND	ND
Trichloroethene	2	2	ND	ND	39.2	21.8	28.0	17.3	20.6
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	77.3	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

COMPOUND	MDL	PQL	MB	MW-12	MW-13	MW-14 @57.5'	MW-14 @62.5	MW-17	MW-17 @63.5'
Toluene	1	1	ND	1.5 J	ND	ND	ND	ND	ND
Tetrachloroethene	2	2	ND	3.0 J	239	52.0	48.1	20.4	28.9
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	1.4 J	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	160	ND	ND	ND	ND	ND
Total Xylenes	1	1	ND	150	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	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	184	ND	ND	ND	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	410	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	769	ND	ND	ND	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	4.7	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	13.7	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	157	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
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; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

Southland Technical Services, Inc.
Environmental Laboratories

Client:Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

DATE ANALYZED			09-14	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04	09-14-04
DILUTION FACTOR				1	1	1	1	2	2
LAB SAMPLE I.D.				BL409067-13	BL409067-14	BL409067-15	BL403124-16	BL409067-17	BL409067-18
CLIENT SAMPLE I.D.				MW-17@ 63.5' DUP	MW-20	MW-20@59.5'	MW-20@ 64.5'	MW-21	MW-21@56.5'
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	ND	ND	ND	ND	202	86.8
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	2.7 J	ND	ND	ND	36.0	16.8
1,1-Dichloroethene	2	5	ND	2.3 J	10.5	13.4	12.5	2,730*	676*
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	24.0	10.0
1,1-Dichloroethane	1	2	ND	ND	2.5	1.4 J	1.5 J	2,760*	718*
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	3.7 J	4.5 J	4.1 J	5,370*	1,340*
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	18.3	6.3 J
1,1,1-Trichloroethane	2	5	ND	ND	3.2 J	3.5 J	3.3 J	312	52.7
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	ND	ND	116	17.4
Trichloroethene	2	2	ND	23.2	12.2	19.3	18.1	321	163
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	49.4	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL409067 Date Reported: 09-24-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 09-13-2004

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

COMPOUND	MDL	PQL	MB	MW-17@ 63.5' DUP	MW-20	MW-20@ 59.5'	MW-20@ 64.5'	MW-21	MW21@ 56.5'
Toluene	1	1	ND	ND	ND	ND	ND	94.0	2.0 J
Tetrachloroethene	2	2	ND	31.2	35.6	85.7	83.7	491	270
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	4.4 J	ND
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	9.4	ND
Total Xylenes	1	1	ND	ND	ND	ND	ND	200	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	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	ND	13.4	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	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	151	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	18.8	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	ND	70.0	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
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; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc.
Project:Angeles Chemical Co.

Lab Job No.: BL409067
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-13-2004

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

COMPOUND	MDL	PQL	MB	MW-21@ 61.5'	MW-23	MW-24	MW-25	TB-1	EB-1
Toluene	1	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	2	ND	170	1.7 J	ND	3.6	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-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1	1	ND	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	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	ND	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	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	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	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
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; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

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

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST40916-1
Batch No.:	0916-BNA	Date Analyzed:	09-16-2004

LCS/LCSD Result
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,4-Dioxane	ND	10.0	12.1	9.79	121.0	97.9	21.1	30	70-130

ND:Not Detected

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

EPA 8260B
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST409014-1
Batch No:	0914-VOBW	Date Analyzed:	09-14-2004

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.3	17.2	81.5	86.0	5.4	30	70-130
Benzene	ND	20	17.6	17.8	88.0	89.0	1.1	30	70-130
Trichloro-ethene	ND	20	19.4	19.3	97.0	96.5	0.5	30	70-130
Toluene	ND	20	17.3	17.8	86.5	89.0	2.8	30	70-130
Chlorobenzene	ND	20	18.9	19.6	94.5	98.0	3.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	17.7	20.0	88.5	80-120
Benzene	18.4	20.0	92.0	80-120
Trichloro-ethene	20.0	20.0	100.0	80-120
Toluene	17.9	20.0	89.5	80-120
Chlorobenzene	19.7	20.0	98.5	80-120

ND: Not Detected.

09-24-2004

Ethylene by GC/FID
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	BL409067-7
Batch No.:	FI15E	Date Analyzed:	09-15-2004

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

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	%RPD Accept. Limit
Ethylene	ND	46	52	12.2	30

II. LCS Result
Reporting Units: µg/L

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limi
Ethylene	4,290	4,170	102.9	80-120

ND: Not Detected.

SOUTHLAND TECHNICAL SERVICES, Inc.

CHAIN OF CUSTODY RECORD

Lab Job Number BL46974

Client: BEII

Address: 4359 Phelan Rd, Phelan, CA 92371

Report Attention: H. Garcia | Phone: 7608888572 | Fax: 7608888573 | Sampled by: Wade / BLAINE

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 3pt)	DOC, TDS, Chloride, Sulfate	Nitrate, Alkalinity, Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethene	Remarks
MW-14	BL46974-3	9-14-04	0904	water	HCl	3VOAs 2Amber 2P (2Amber)				X			X	X	X	X	X	X	
TB-2	-5	↓	0700	↓	HCl	2VOAs				X									
MW-15	-4		0950		HCl	3VOAs 2G 2P				X			X	X	X	X	X	X	
EB-2	-6		1010		HCl	2VOAs				X									
MW-9	-2		1240		HCl	3V, 2G, 2P				X			X	X	X	X	X	X	
MW-2	-1	↓	1220	↓	HCl	2V				X									

Relinquished by	Company	Date	Time	Received by	Company
Wendy S Brown	BEII	9-14-04	1315	[illegible]	LTS
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

09-24-2004

Mr. Hiram Garcia
Blakely Environmental Investigations, Inc.
4359 Phelan Road
Phelan, CA 92371

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 09-14-2004
Lab Job No.: BL409074

Dear Mr. Garcia:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 09-14-2004 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) & 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.

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-14-2004
Matrix:	Water	Date Received:	09-14-2004

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-9	MW-14	MW-15			Reporting Limit
Ethylene	GC/FID	09-15-04	ug/L	30.0	ND	ND			5
TDS	160.1	09-15-04	mg/L	1,700	1,170	1,240			2
Nitrate	352.1	09-14-04	mg/L	30.8	20.3	27			0.01
Sulfate	375.4	09-16-04	mg/L	490	278	95			1.0
Total Iron	7380	09-15-04	mg/L	0.12	ND	0.13			0.1
Manganese	7460	09-16-04	mg/L	0.54	0.37	1.49			0.05
Ferrous Iron	Colori-metry	09-14-04	mg/L	ND	ND	ND			0.05

ND: Not Detected (at the specified limit).

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-14-2004
Matrix:	Water	Date Received:	09-14-2004
Batch No.:	BMI15-GW1	Date Analyzed:	09-15-2004

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

Sample ID	Lab ID	Gasoline (C4-C12)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-9	BL409074-2	1,500	50	50
MW-14	BL409074-3	484	50	50
MW-15	BL409074-4	1,040	50	50

ND: Not Detected (at the specified limit)

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-14-2004
Matrix:	Water	Date Received:	09-14-2004
Batch No.:	0916-BNA1	Date Analyzed:	09-16-2004

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-9	BL409074-2	1,310	2	3.0
MW-14	BL409074-3	276	2	3.0
MW-15	BL409074-4	90	2	3.0

ND: Not Detected (at the specified limit)

09-24-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	09-14-2004
Matrix:	Water	Date Received:	09-14-2004
Batch No.:	0915-VOBW	Date Analyzed:	09-15-2004

EPA 8260B (1,4-Dioxane by GC/MS)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Dilution Factor (DF)	1,4-Dioxane	Method Detection Limit (MDL)	PQL
Method Blank		1	ND	200	250
MW-9	BL409074-2	5	2,530	200	250
MW-14	BL409074-3	1	648	200	250
MW-15	BL409074-4	1	172 J	200	250

PQL: Practical Quantitation Limit

ND: Not Detected (below DF × MDL)

J: Trace concentration, below reporting limit.

Client:Blakely Environmental Investigations, Inc
Project:Angeles Chemical Co.

Lab Job No.: BL409074
Matrix: Water

Date Reported: 09-24-2004
Date Sampled: 09-14-2004

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

DATE ANALYZED			09-15	09-15-04	09-15-04	09-15-04	09-15-04	09-15-04	09-15-04
DILUTION FACTOR				1	5	1	1	1	1
LAB SAMPLE I.D.				BL409074 -1	BL409074 -2	BL409074 -3	BL403124 -4	BL409074 -5	BL409074 -6
CLIENT SAMPLE I.D.				MW-02	MW-09	MW-14	MW-15	TB-2	EB-2
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	106	111	5.5	272	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	4.5 J	3.3 J	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	900	909	346	198	ND	ND
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	1.8 J	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	603	628	151	168	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	314	327	110	790	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	5.8 J	ND	6.0	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	29.5	27.9 J	ND	5.2	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	21.7	23.9	3.2	14.6	ND	ND
Trichloroethene	2	2	ND	32.8	28.3	19.8	12.1	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	3.4 J	2.5 J	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL409074 Date Reported: 09-24-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 09-14-2004

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

COMPOUND	MDL	PQL	MB	MW-02	MW-09	MW-14	MW-15	TB-2	EB-2
Toluene	1	1	ND	ND	ND	ND	101	ND	ND
Tetrachloroethene	2	2	ND	139	123	40.5	56.5	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	ND	4.7	ND	ND
Total Xylenes	1	1	ND	ND	ND	ND	22.1	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	ND	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	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	3.1 J	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	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
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; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

Southland Technical Services, Inc.
Environmental Laboratories

09-24-2004

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

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST40916-1
Batch No.:	0916-BNA	Date Analyzed:	09-16-2004

LCS/LCSD Result
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,4-Dioxane	ND	10.0	12.1	9.79	121.0	97.9	21.1	30	70-130

ND:Not Detected

09-24-2004

EPA 8260B
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409074
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST40916-1
Batch No:	0916-VOBW	Date Analyzed:	09-16-2004

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.8	16.1	84.0	80.5	4.3	30	70-130
Benzene	ND	20	17.8	17.2	89.0	86.0	3.4	30	70-130
Trichloro-ethene	ND	20	20.0	19.6	100.0	98.0	2.0	30	70-130
Toluene	ND	20	17.9	17.4	89.5	87.0	2.8	30	70-130
Chlorobenzene	ND	20	19.0	19.3	95.0	96.5	1.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	41.9	50	83.8	80-120
Benzene	42.6	50	85.2	80-120
Trichloro-ethene	47.6	50	95.2	80-120
Toluene	44.2	50	88.4	80-120
Chlorobenzene	45.2	50	90.4	80-120

ND: Not Detected (at the specified limit)

09-24-2004

EPA 8015M
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL409067
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	R409082-1
Batch No:	BMI15-GW1	Date Anlyzed:	09-15-2004

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	1,220	1,130	122.0	113.0	7.7	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	835	1,000	83.5	80-120

ND: Not Detected (at the specified limit

SOUTHLAND TECHNICAL SERVICES, INC.

Page ___ of ___

CHAIN OF CUSTODY RECORD

Lab Job Number _____

Client: Southland Technical Services, INC.

Address: 7801 Telegraph RD STE #L Montebello CA90640

Report Attention: Roger Wang | Phone: (323)888-0728 | Fax: (323)888-1509 | Sampled by:

Project Name/No.: Angelus Chemical | Project Site: Santa Fe Springs, CA

Analyses Requested

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

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	Chloride, Sulfide	Alkalinity	Carbonate	Bi carbonate			Remarks
MW-20		9/13/04	11:52	H2O									X	X	X	X			
MW-21		9/13/04	12:38	H2O									X	X	X	X			
MW-9		9/14/04											X	X	X	X			
-11		"											X	X	X	X			
-12		"											X	X	X	X			
-13		"											X	X	X	X			
-14		"											X	X	X	X			
-15		"											X	X	X	X			
-17		"											X	X	X	X			

Relinquished by	Company	Date	Time	Received by	Company
[signature]	STS	9/15/04	13:45	[signature]	American Test Lab 9/15
Relinquished by	Company	Date	Time	Received by	Company

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

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

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

AmeriChem Testing Laboratory

1761 N. Batavia St.
Orange, CA 92865

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

Analytical Report

REPORT NUMBER: AL-6115
CLIENT:
STS Environmental Lab.
7801 Telegraph Rd. suite J
Montebello, CA 90640

REPORT ON:
Water samples

DATE RECEIVED: 09/15/04
DATE REPORTED: 09/16/04

ANALYSIS	DET. LIMIT	METHOD
Sulfide	0.02 mg/l	EPA 376.1
Chloride	0.1 mg/l	EPA 325.3
Total Alkalinity	1.0 mg/l	EPA 310.1
Carbonate	2.0 mg/l	Standard Method 4500
Bicarbonate	2.0 mg/l	Standard Method 4500
Manganese	0.05 mg/l	EPA 243.1

SAMPLE ID.	TEST RESULT, mg/l Sulfide	Chloride	Total Alkalinity	Carbonate	Bicarbonate
MW-20, 9/13/04	ND	91.9	415	ND	253
MW-21, 9/13/04	ND	129	548	ND	334
MW-9, 9/14/04	ND	132	275	ND	168
MW-11, 9/14/04	ND	334	650	ND	397
MW-12, 9/14/04	ND	54.5	375	ND	229
MW-13, 9/14/04	ND	123	373	ND	227
MW-14, 9/14/04	ND	197	288	ND	175
MW-15, 9/14/04	ND	129	455	ND	278
MW-17, 9/14/04	ND	102	330	ND	201

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 136640
REPORTED 09/27/2004
RECEIVED 09/16/2004

PROJECT Angeles

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
555871	MW-20
555872	MW-21
555873	MW-9
555874	MW-11
555875	MW-12
555876	MW-13
555877	MW-14
555878	MW-15
555879	MW-17
555880	Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

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

UR136640

CHAIN OF CUSTODY RECORD

Date 9/16/04 Page 1 of 1

CLIENT Southland Technical Services INC.
ADDRESS 7801 Telegraph RD STE #L
Montebello CA 90640
PROJECT NAME Angels.

PROJECT MANAGER Roger Wang
PHONE NUMBER (323) 888-0728
SAMPLERS: (Signature)

Preserv: HCl
Samples Intact Yes ____ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ____ 48 Hr. ____

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER	AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
MW-20	[illegible]	9/13/04	11:52	H_2O					TOC, DOC (Organic Carbon)
MW-21	[illegible]	"	12:38	"					X X
MW-9	[illegible]	9/14/04		H_2O					X X
-11	[illegible]	"		"					↓ ↓
-12	[illegible]	"		"					↓ ↓
-13	[illegible]	"		"					↓ ↓
-14	2.9 [illegible]	"		"					↓ ↓
-15	2.9 [illegible]	"		"					↓ ↓
-17	0.9 [illegible]	"		"					↓ ↓

Relinquished by: (Signature) Guorui Liao
Received by: (Signature)
Date/Time 9-16 2:35 pm

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) 9-17-04 1:50
Date/Time

Special Instructions:

I hereby authorize the performance of the above indicated work.

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

rder #: 555871 **Client Sample ID:** MW-20
Matrix: WATER
Date Sampled: 09/13/2004
ime Sampled: 11:52

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	3.4	0.5	mg/L	09/21/04	QP
Total Organic Carbon	3.7	0.5	mg/L	09/21/04	QP

Order #: 555872 **Client Sample ID:** MW-21
Matrix: WATER
ate Sampled: 09/13/2004
rime Sampled: 12:38

Analyte	Result	DLR	Units	Date/Analyst	
60 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	5.1	0.5	mg/L	09/21/04	QP
Total Organic Carbon	5.4	0.5	mg/L	09/21/04	QP

Order #: 555873 **Client Sample ID:** MW-9
atrix: WATER
ate Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
60 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	4.3	0.5	mg/L	09/21/04	QP
Total Organic Carbon	4.6	0.5	mg/L	09/21/04	QP

rder #: 555874 **Client Sample ID:** MW-11
atrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
60 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	48	0.5	mg/L	09/21/04	QP
Total Organic Carbon	50	0.5	mg/L	09/21/04	QP

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

Order #: 555875 **Client Sample ID:** MW-12
Matrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	2.1	0.5	mg/L	09/21/04	QP
Total Organic Carbon	2.5	0.5	mg/L	09/21/04	QP

Order #: 555876 **Client Sample ID:** MW-13
Matrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	0.9	0.5	mg/L	09/21/04	QP
Total Organic Carbon	1.0	0.5	mg/L	09/21/04	QP

Order #: 555877 **Client Sample ID:** MW-14
Matrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	2.7	0.5	mg/L	09/21/04	QP
Total Organic Carbon	2.9	0.5	mg/L	09/21/04	QP

Order #: 555878 **Client Sample ID:** MW-15
Matrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	5.9	0.5	mg/L	09/21/04	QP

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

Total Organic Carbon	6.1	0.5	mg/L	09/21/04	QP

Order #: 555879 **Client Sample ID:** MW-17
Matrix: WATER
Date Sampled: 09/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	0.6	0.5	mg/L	09/21/04	QP
Total Organic Carbon	0.9	0.5	mg/L	09/21/04	QP

Order #: 555880 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	ND	0.5	mg/L	09/21/04	QP
Total Organic Carbon	ND	0.5	mg/L	09/21/04	QP

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 136640-1

Matrix: WATER

Prep. Date: Sep 21-04

Analysis Date: Sep 21-04

ID#'s in Batch: LR 136640

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TOC	415.1	3.8	10	14.1	14.4	103	106	2.1

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

%REC LIMITS = 80 - 120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	9.6	10	96	80%	120%

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