Source Area Delineation Program
Bausch & Lomb Frame Center - Chili, New York

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1.0 Introduction

Between December 9, 1996 and February 18, 1997, McLaren/Hart, Inc. (McLaren/Hart) conducted an extensive and focussed pre-remedial design field activities program at the Bausch & Lomb (B&L) Frame Center facility in Chili, NY. This program included the collection and on-site analysis of 366 groundwater and/or ponded surface water samples. Results from this program identified three specific localized areas believed to represent sources of ongoing long-term groundwater quality degradation from past chlorinated solvent releases at the site. In addition, the specific locations and configurations of the dissolved plumes emanating from these source areas have also been significantly refined. This information can now be used to help select and design the most appropriate remedial measures to address these issues.

Prior to the initiation of field activities, proposed elements of this program were discussed with the New York State Department of Environmental Conservation (NYDEC) at a meeting held in Albany, NY on December 4, 1996. Results of the field program were presented to representatives of NYDEC and the New York State Department of Health (NYDOH) at a meeting held in Chili, NY on April 14, 1997. A formal presentation of the results from this program is presented herein.

2.0 Background

Previous environmental studies conducted at the B&L Frame Center by Blasland, Bouck & Lee, Inc. (BBL) and others between 1984 and 1996 indicated the presence of impacted groundwater quality in saturated overburden at selected portions of the site. Groundwater quality was impacted by a variety of chlorinated organic solvents, the most prevalent of which was Trichloroethylene (TCE). Other compounds also commonly identified in shallow groundwater at the site included: 1,1,1-Trichloroethane (TCA), cis-1,2-Dichloroethylene (DCE), Vinyl Chloride (VC), and Tetrachloroethylene (PCE). Based upon the dissolved concentrations of these compounds as measured in groundwater, it was suspected that one or more on-site locations may exist which are continuing to act as on-going long-term source(s) of groundwater quality degradation.

3.0 Purpose

The initial purpose of this field program was to identify potential source(s) of ongoing long-term groundwater quality impacts from chlorinated organic solvents. Such information is necessary to assure that the most appropriate and effective remedial measure(s) are selected for this site, and will prove to be invaluable when designing and implementing the selected remedy. Due to the success this field program was experiencing with respect to the ability to acquire data, a decision was made to expand the source area delineation program to include additional groundwater quality characterization. The focus of this expanded program was aimed at establishing a more precise understanding of the specific locations and overall configurations of the dissolved plumes being evaluated.

4.0 Approach

The basic approach employed for conducting this source area delineation program was to utilize groundwater quality information from saturated overburden to track back to potential source area(s). This was accomplished by advancing the sampling program towards areas displaying the highest dissolved concentrations of the chlorinated solvents in question. Detailed vertical and lateral groundwater quality profiling was achieved with the collection and subsequent on-site analysis of numerous depth-discrete groundwater samples. As part of this program, a total of 321 depth-discrete groundwater samples (excluding duplicates) were collected and analyzed from 109 locations. In addition, groundwater samples were also collected and analyzed from 13 of the 32 existing on-site groundwater monitoring wells, as well as from seven ponded surface water locations.

The initial focus of this program was directed towards three general areas situated behind (south of) the main facility building. These areas corresponded to locations where three of the existing 32 groundwater monitoring wells (i.e., BL-16S, BL-9S, and BL-11D) displayed the highest dissolved concentrations of chlorinated solvents during historical monitoring events (see Figure 1).

Consequently, depth-discrete groundwater sample collection was generally initiated adjacent to these three wells. With the use of an on-site mobile laboratory, analytical results were provided on a continuous basis. In this way, data generated from previous samples was used to select subsequent sampling locations and depths.

In addition to directing the sampling program, the availability of continuous on-site analytical results provided an early warning that a "source area" was being approached. In this way, it was possible to make modifications to the sampling strategy in order to preserve the integrity of the source areas.

Given the significant amount of site characterization work previously conducted at this site, this program was designed to supplement existing information. As such, the focus of this program was essentially limited to the collection of water quality information. However, a variety of additional qualitative information relating to geologic and hydrogeologic conditions could also be inferred from direct observations made during groundwater sampling activities. Such information included grain size distribution, permeability, hydraulic conductivity and local vertical hydraulic gradients.

5.0 Procedures

5.1 Groundwater Sample Collection.

With the exception of samples collected from existing groundwater monitoring wells or from ponded surface water locations, all water samples collected as part of this program were done so with the use of a Geoprobe 8MU direct push sampling unit mounted on a 4-wheel drive vehicle. Based upon the various geologic conditions encountered at this site, it was determined that two different sample collection techniques would best achieve the overall depth-discrete groundwater sampling strategy. These techniques involved the use of either expendable points or mill-slotted rods.

At locations where very fine-grained geologic materials and associated low hydraulic conductivities were encountered, the use of expendable points was found to be the most effective technique for groundwater sample collection. Areas which typically fell into this category included the sampling zones in the vicinity of BL-16S and north of BL-11D. In addition, expendable points were also used when approaching "source areas" to achieve maximum isolation of each depth-discrete sampling interval.

This technique was accomplished by placing a steel expendable point into an expendable point holder attached to the end of a geoprobe rod. The geoprobe rods utilized for this program had an outside diameter of 1.25 inches and an inside diameter of 0.625 of an inch. The steel expendable point was fitted with an "o-ring" to prevent water from entering the rods while they were being driven to the desired sampling depth. Once the point was driven to the maximum depth of the desired sampling interval, the geoprobe rods were retracted two to four feet, leaving the point in place and creating a void where the rods had been removed. A separate point and corresponding void was utilized to collect groundwater from each depth-discrete sampling interval in these lower yielding zones. Due to the low hydraulic conductivities in these areas, multiple points were driven and allowed to recharge simultaneously. This allowed groundwater sample collection to proceed at some intervals while waiting for groundwater to recharge at other locations.

At locations exhibiting greater hydraulic conductivities, such as areas adjacent to BL-9S, and in between BL-10 and BL-11, the use of a "mill slot" groundwater sampler was found to be the most desirable technique. A mill slot groundwater sampler is a slotted geoprobe rod which functions as a temporary well point. Groundwater is only able to enter the rod over the 2-foot interval which is slotted. The mill slot was driven to the desired depth-discrete sampling interval. Once a groundwater sample had been obtained from that interval, the mill slot was advanced to a subsequent depth-discrete sampling interval. This iterative process was continued until adequate vertical groundwater quality profiling was achieved at that location.

Once the expendable points or mill slotted rods were positioned at the desired depth-discrete groundwater sampling interval, groundwater was retrieved with the use of Low Density Polyethylene (LDPE) tubing. A dedicated length of clean tubing was utilized for each of the 321 geoprobe sampling intervals. Such tubing was either connected to a peristaltic pump at the top of the tubing or fitted with a check valve at the bottom of the tubing. In most cases the peristaltic pump was used to purge water and then collect the sample. However, for shallow intervals where only very small volumes of water had to be lifted a short distance, the check valve method was sometimes used instead of the peristaltic pump. With the check valve method, an oscillating hand motion was used to "lift" the water column up the tubing. A total of approximately 15 to 25 groundwater samples were collected each day during this program.

After placing the groundwater samples into laboratory-certified clean 40 ml vials, they were logged in on chain-of-custody forms and submitted to the on-site mobile laboratory to undergo screening and analysis.

Once all subsurface sampling equipment had been removed from the ground at each geoprobe sampling location, the borehole was sealed with bentonite. All subsurface sampling equipment was decontaminated between boring locations by washing with an alconox/water mixture, followed by a tap water rinse, then rinsing with methanol followed by a de-ionized water rinse.

All sampling locations and depths were carefully measured and recorded in the field as sample collection was completed at each location. Precise field measurements were made between all geoprobe and/or ponded surface water sampling locations and several existing surveyed points such as groundwater monitoring wells and/or other permanent features as reference points. This information was then used to plot all sampling locations on existing site maps.

5.2 On-Site Analysis.

A critical component of this field delineation program was the stationing of a mobile laboratory on-site to provide water quality information for the key volatile organic compounds (VOCs) of concern (i.e., TCE, PCE, DCE, TCA, and VC). With direct access to the mobile lab and chemists, a continuous flow of water quality data was provided which was used to direct the sample collection efforts as the field program progressed.

Prior to any type of analytical procedure being implemented, full sample custody documentation was completed for each environmental sample. Formal chain-of-custody procedures were followed for all samples delivered to the on-site mobile laboratory. Such procedures included the documentation of: sample point location; depth interval identification; date and time of collection; matrix description information, and number of sample containers collected. Typically, anywhere from two to four sample containers (i.e., VOA vials) were submitted for each sample. Two basic analytical steps were then performed by the mobile laboratory. These steps consisted of an initial screening for the presence of indicator VOCs, followed by formal analysis.

Screening. To begin the analytical process, one VOA vial collected from each sampling interval was half emptied and placed in a hot water bath. While in the bath, the sample was allowed to heat up to approximately 40-50 degrees Celsius. Using a gas-tight syringe to pierce the septa on the sample vial, a 10 microliter aliquot of "headspace" (i.e., air) was retrieved and injected into a Photovac Gas Chromatograph (GC). Prior to the injection of any environmental samples into the Photovac GC, the photovac was calibrated with a 1 ppm standard of TCE and PCE. Based upon the response of the injected sample in comparison to the calibrated compounds at set concentrations and recorded retention times, the total VOC concentration in each environmental sample could be estimated.

Estimated concentrations generated by this screening procedure were used for several purposes. This information was extremely useful for providing a quick early warning that source areas were being approached. Such information allowed added caution to be taken when collecting subsequent

samples adjacent to high concentration zones. In addition, the availability of screening data allowed the chemist to predict accurate sample dilution factors prior to initiating formal analysis. Such predictions resulted in significantly accelerated turnaround times for GC/MS data by avoiding periods of down-time and poor data quality due to carry-over resulting from highly concentrated samples.

Formal Analysis. Given the goals and objectives of this program, and the inherent need for high quality definitive data, McLaren/Hart mobilized an on-site laboratory furnished with high quality laboratory-grade instrumentation. The mobile laboratory was equipped with a Hewlett Packard 5890 gas chromatograph coupled with a Hewlett Packard 5970 mass spectrometer (GC/MS). GC/MS analysis was conducted in accordance with U.S. EPA SW-846 method 8260 protocol. This protocol provides limits of detection down to the low micrograms per liter (ug/L or ppb) level for VOCs in water, while providing highly specific compound identification.

Quality Assurance and Quality Control (QA/QC) practices incorporated into the field analytical program followed those dictated by SW-846. QA/QC measures such as: instrument tunes; initial five-point calibrations; method blank analyses; continuing calibration check standards; laboratory control sample analyses; and matrix spike/matrix spike duplicate analyses, were all components of the standard analytical sequence utilized as part of this program. Ongoing data validation included an evaluation of: five point initial calibrations for relative standard deviations of less than 30%; continuing calibrations for percent differences of less than 25% (especially for system performance and continuing calibration compounds); and internal standard and surrogate compound recoveries being within acceptable ranges. Additionally, no analysis of any environmental sample was initiated unless all target analytes were less than ten times the reporting limit in the associated method blank. Consequently, throughout the continuous operation of this field analytical program, sample analyses which exhibited quality control "outliers", and/or analyte concentrations exceeding the linear working range of the instrument, were reanalyzed to generate acceptable final data.

Supplemental to the aforementioned QA/QC measures, two additional QA/QC steps were built into this program as requested by NYDEC. Such requests included duplicate analysis on 5% of the

environmental samples collected and analyzed in the field, and limited "split" analysis with an off-site laboratory. Split samples were obtained from BBL as part of an independent groundwater monitoring event conducted concurrent with the subject field program. When collecting duplicate and split samples, VOA vials were filled in an alternating sequence to minimize the variation in sample integrity between the duplicates and/or splits and the corresponding environmental sample.

In addition to the high quality definitive VOC data generated as part of the GC/MS analytical method conducted in the field, it was also possible to obtain semi-qualitative identification information in the form of tentatively identified compound (TIC) data. TIC identification is based upon matching the mass spectra of an observed non-calibrated analyte to a reference spectra in the software's 75,000 compound library. For identification purposes, the software program evaluates which masses are present in an environmental sample, and in what ratios, as compared to the reference spectra in the library. Based on the quality of the match, the software will rate the comparison on a scale of percentages; 1% being the poorest match, while 100% being an ideal match. TIC information is considered semi-qualitative because compound identification relies solely on mass spectra comparisons to reference spectra, rather than relating a mass spectra to the retention time of a known standard.

Review of TIC information generated during this program indicated frequent detection (i.e., approximately 25% of the analytical runs) of a specific non-calibrated VOC exhibiting significant mass spectra area counts. The subject VOC was determined to be 1,1,2-trichloro-1,2,2-trifluoroethane, or commonly known as Freon 113. Although no chemical standard was included into the target analyte mix for Freon 113 as part of this program, a semi-quantitative value was generated for this compound using the nearest internal standard within the analytical run. A 1:1 response was assumed between the TIC and the associated internal standard. This relationship was used to calculate estimated TIC concentrations for Freon 113.

Although TIC information is semi-qualitative, the identification of Freon 113 at this site is provided with a high degree of confidence. This confidence not only comes from the good mass spectra match

with the reference spectra, but also from the knowledge that Freon 113 has regularly been detected during historical sampling events at this site. Quantitatively, the concentrations reported for Freon 113 by the on-site mobile lab are truly estimated values, as indicated by the applicable "J" flag. Consequently, it is recommended that the use of the Freon 113 data generated during this program be limited to comparing relative Freon 113 concentrations from one sample location to another.

5.3 Data Visualization.

At the conclusion of field activities, groundwater quality data obtained from saturated overburden samples were input into a data visualization program to produce computer-generated 3-D graphical representations. The Unix-based geospatial visualization program utilized for this exercise was EarthVision 3.1, as developed by Dynamic Graphics, Inc.

As part of this exercise, a set of three images were produced for each of the three source areas identified. Each of these sets consists of three graphical representations based upon dissolved TCE results. TCE was selected for these images as it was found to be the predominant compound identified in saturated overburden at each location. On each of the nine images produced, thicker vertical white lines with hatching at the bottom represent existing groundwater monitoring wells. These wells serve as fixed reference points to help orient the images being depicted.

The first image in each set represents the overall configuration of the dissolved TCE plume identified at that location. The TCE plume at area 16S and 9S was displayed at a concentration of 1 mg/L, while the plume at area 11D was displayed at a concentration of 50 ug/L. Small blue squares connected by white vertical lines, as depicted on these plume images, represent depth-discrete geoprobe groundwater sampling points.

The second image in each set represents a "slice" or cross-section view cut through the overall plume. This image depicts the distribution of dissolved TCE concentrations within the plumes. The third and final image in each set displays the approximate size, shape and location of the

source zone believed to be responsible for the development of the dissolved plumes depicted on the previous two images. For the purpose of this exercise, the source zone for area 9S was delineated at a dissolved TCE concentration in excess of 100 mg/L. In order to adequately visualize the source zones at the other two areas, a dissolved TCE concentration in excess of 60 mg/L was utilized for delineation purposes.

6.0 Results

This pre-remedial design field program was completed in a total of 22 field days. As stated previously, this program was accomplished with the collection and on-site analysis of 366 groundwater and/or ponded surface water samples. Such samples were collected from a total of 109 geoprobe sampling locations, 13 existing groundwater monitoring wells, and seven ponded surface water locations. Of the 366 samples analyzed, 25 samples consisted of duplicates and/or field blanks, while five of the samples were also "split" with an off-site laboratory.

Figures 2, 3 and 4 indicate the specific locations from which samples were collected in the vicinity of BL-16S, BL-9S, and BL-11D, respectively. Delineation activities around BL-16S were accomplished with the analysis of a total of 117 samples (excluding duplicates) collected from 36 geoprobe sampling locations, five existing groundwater monitoring wells, and six ponded surface water locations. Delineation activities around BL-9S were accomplished with the analysis of a total of 115 samples (excluding duplicates) from 34 geoprobe sampling locations, five existing groundwater monitoring wells, and one ponded surface water location. Delineation activities around BL-11D were accomplished with the analysis of a total of 109 samples (excluding duplicates) collected from 39 geoprobe sampling locations and three existing groundwater monitoring wells.

Appendix A contains a complete summary of all on-site analytical results generated by the mobile laboratory as part of this program, including duplicate and split results. Although this program was only intended to report data for the five indicator VOCs of concern, a total of 18 VOCs are included

on the summary spreadsheets. These VOCs represent the 17 compounds which were positively identified in at least one sample, and the Freon 113 TIC. The last page of this spreadsheet also provides a comparison of split results for the five wells analyzed both on-site and off-site.

Although NYDEC requested that duplicate analysis be performed on 5% of all environmental samples, the actual amount of duplicate analyses performed was 6.5% of the total number of environmental samples collected throughout this program. Results from these analyses were very favorable, as demonstrated by the low percent difference values calculated on the duplicates. These values are an indication of good analytical precision. Analytical results for the 24 duplicate samples are reported along with the final summary data spreadsheets presented in Appendix A.

As stated previously, groundwater samples collected from five existing groundwater monitoring wells (i.e., BL-9S, BL-11D, BL-14S, BL-16S, and BL-19S), were split with BBL to undergo independent on-site and off-site analysis for comparison purposes. On-site analysis was conducted by the McLaren/Hart mobile laboratory utilizing GC/MS method 8260 in precisely the same manner as all other analyses conducted on-site as part of this program. Off-site analyses were performed on behalf of BBL by OBG Laboratories, a NY-certified laboratory, utilizing GC methods 8010/8020. A comparison of the analytical results for the split samples reveal extremely close agreement between the two data sets. With respect to reported concentrations of identified compounds, the average percent difference between the two labs was less than 4%, while the maximum percent difference did not exceed 11%. Based upon limits of quantitation, non detect values were virtually an identical match between the two laboratories. As stated above, a comparison of these split results are presented on page 44 of Appendix A.

7.0 Findings

General. Observations made during geoprobe groundwater sampling activities supported previous findings by BBL indicating the presence of complex geologic and hydrogeologic conditions within

saturated overburden at the site. In the vicinity of BL-16S, extremely fine-grained geologic materials and associated low hydraulic conductivities result in the very low formation yields observed. In this area, a very subtle preferential migration pathway was inferred from yield observations coupled with groundwater quality data generated from the high density depth-discrete sampling configuration.

In the vicinity of BL-9S, apparent hydraulic conductivity throughout the saturated overburden was generally greater than in the BL-16S area. In this area, there was also typically a marked increase in yield with an increase in depth. The greatest yields were generally found to occur at or near geoprobe refusal. Such refusal depths generally corresponded to the top of bedrock elevations reported by BBL. In addition, field observations also suggest significant changes in grain size distribution and permeability over short lateral distances.

Just southeast of BL-11D, significant changes in hydraulic pressures were observed over short vertical distances. Such vertical hydraulic gradient observations were made by noting groundwater flowing out from geoprobe rods, the tops of which were situated one or more feet above ground surface. These pressurized zones were sporadic and very limited in depth.

Based upon a careful review of all analytical data collected during this program, three independent and localized areas have been identified as sources for the dissolved VOCs previously observed at the site. Figure 5 and Plate 1 indicate the spatial distribution and relationship between each of the identified source areas and the resulting dissolved plumes. For the purpose of these figures, the source areas have been defined by locations where the dissolved concentrations of TCE measured in groundwater ranged between 10 and 20 percent of the solubility of TCE (i.e., approximately 100 to 200 mg/L). [It should be noted that given the presence of other chlorinated solvents in addition to TCE, the effective solubility of TCE is expected to be less than 1,100 mg/L. As such, the measured dissolved concentrations of TCE most likely represent more than 10 to 20% of its solubility.]

Given the elevated dissolved concentrations of TCE measured at these source zones, it is believed that chlorinated solvent is present in the form of residual Dense Non-Aqueous Phase Liquid

(DNAPL) in the subsurface at these locations. Furthermore, it is believed that such residual DNAPL represents an on-going long-term source of groundwater quality degradation, as evidenced by the historical persistence of dissolved VOCs in groundwater at this site.

Each of three identified source areas and associated dissolved plumes display their own unique characteristics. In general, the source zones at locations BL-16S and BL-11D are predominantly impacted by TCE with a smaller component of TCA. At the BL-9S location, the primary "parent" constituent found is TCE alone.

Likewise, although only minor evidence exists for the presence of biological degradation, or breakdown, of dissolved VOCs in the vicinity of BL-16S, significant bio-degradation appears to be occurring near BL-9S and BL-11D. The likely presence of bio-degradation activity at these two locations is inferred by the relationship between dissolved TCE concentrations and the dissolved concentrations of DCE and VC (i.e., typical breakdown or "daughter" products of TCE). This relationship is graphically presented on Charts 1 and 2 for locations BL-9S and BL-11D, respectively. As shown on these two charts, with increased distance from the source zones, the concentrations of the daughter compounds were generally observed to exceed measured concentrations of the parent compound.

The remainder of this section provides specific discussion of findings for each of three source areas and associated dissolved plumes independently.

BL-16S Area - The dissolved TCE and TCA identified in the vicinity of groundwater monitoring well BL-16S was found to be emanating from a very small localized area situated approximately 75 feet northwest of the well. The dissolved plume being formed from this source area is long, straight, and narrow. The width of the plume extends approximately 30 to 40 feet, while the length of the plume has currently been tracked to extend at least 225 feet southeast of the source area. Although the full downgradient extent of this plume has not yet been determined, the most downgradient measurements made indicate that a substantial decline in dissolved TCE concentration is occurring.

Figures A1 and A3 depict 3-D graphical representations of the TCE plume and the source area responsible for this plume at the 16S location, respectively. Figure A2 depicts a cross-section of the plume sliced down the center along the groundwater flow axis (i.e., northwest - southeast). As shown on Figure A2, the plume starts as a relatively shallow feature (about 5 to 8 feet below ground) and then drops to a depth of about 18 to 22 feet below ground southeast of BL-16S. A continuous narrow zone of elevated dissolved TCE concentrations is present throughout most of the plume. Based upon data obtained from intensive depth-discrete sampling conducted in this area, it is believed that this high concentration zone is following a very limited preferential migration pathway. It is thought that this long and narrow high concentration zone has formed over time in response to the lack of dispersion and dilution occurring within this limited preferential migration pathway.

The configuration and spatial distribution of this plume is indicative of a very limited chlorinated solvent release which occurred quite some time ago. The limited extent of the release is inferred from the limited downward extent of elevated VOC concentrations observed at the source area. This in turn suggests that limited DNAPL penetration has occurred. The fact that the dissolved plume has migrated more than 200 feet from the source area in a low flow hydrogeologic regime, is evidence that such migration has been taking place over an extended time frame.

In addition to the dissolved TCE plume depicted on the attached figures, there is also a dissolved TCA plume and some PCE present at this location. The configuration of the TCA plume is almost identical to that of the TCE plume, but much smaller. PCE is also present, but at a much lower concentrations and at a lower frequency of detection.

BL-9S - The source of dissolved VOCs observed in monitoring well BL-9S was found to be located approximately 100 feet north-northwest of the well. Of the three source areas identified, this area was found to be the most substantial. Not only were the concentrations of dissolved TCE the greatest at this location, but the size of the area displaying such concentrations was also the largest. The approximate size and shape of this source zone is graphically displayed on Figure B3. The decline in dissolved TCE concentrations away from the source area is shown on Figure B2.

The dissolved plume originating from this area has formed into a complex configuration with extreme vertical variation. In general, the shallow portion of the plume (up to 10-15 feet below ground) extends towards the south-southeast, where it intersects BL-9S. However, the deeper portion of the plume (20 to 24 feet below ground) typically extends towards the west-southwest, with a minor component extending a short distance to the northwest. Consequently, groundwater quality at BL-9S has historically been impacted, while adjacent well BL-9D has not. This complex plume configuration is graphically depicted on Figure B1. The apparent random nature of the vertical distribution and migration of dissolved TCE in this area is actually consistent with the absence of a dominant horizontal hydraulic gradient throughout the saturated thickness of the overburden in this portion of the site. As such, there is no clear pattern for groundwater flow and associated dissolved VOC migration in this area.

The lateral extent of both the shallow and deeper portions of this plume have been fairly well delineated towards the northeast, north, northwest, and west. However, additional shallow plume delineation may be needed towards the southeast beyond BL-9S, while additional deeper information may be needed towards the southwest.

Given historical material handling practices, additional minor releases of chlorinated solvents may also have occurred in this vicinity. However, the source zone identified during this program is believed to be the primary area causing on-going groundwater quality impacts in this portion of the site.

As stated previously, the presence of elevated concentrations of common TCE breakdown products identified in both the shallow and deeper portions of this plume, strongly suggests that bio-degradation of the dissolved plume is actively occurring at this location. The presence of trace concentrations of gasoline components in groundwater at this area may be facilitating the apparent biological activity here. Further information may be required to fully evaluate the effectiveness of bio-degradation to achieve plume reduction.

BL-11D - The source of dissolved VOCs observed in groundwater monitoring well BL-11D was identified to be a small localized area situated approximately 75 to 80 feet north-northwest of the well. This source zone was found to be present just below an edge of the paved parking lot. A 3-D graphical representation of the dissolved plume originating from this source zone is depicted on Figure C1. At this location, a fairly complete delineation of the dissolved plume has been achieved.

As shown on the cross-section of this plume (Figure C2), very little lateral migration of dissolved VOCs has occurred in the shallow portion of the saturated overburden. Instead, almost all lateral plume migration has occurred in the deeper portion of the saturated overburden. The direction of plume migration in this deeper zone has been quite variable, with migration principally occurring in the following three directions: west, northeast, and southeast. This variability in groundwater flow direction and plume migration, is consistent with previous observations made by BBL in this portion of the site. Such observations suggest that a groundwater divide is present in this area. Consequently, groundwater flow in various directions is not unusual.

The southeasterly component of deeper lateral plume migration accounts for the historical groundwater quality impacts observed in BL-11D. The absence of such impacts in BL-11S is further indicative of limited shallow plume migration away from the source area.

Deeper plume migration to the west was found to extend approximately 150 feet away from the source area. This portion of the plume was sufficiently bounded by geoprobe sampling points to assure adequate delineation in this area. Currently, this portion of the plume was found to terminate approximately 230 feet east of the western property boundary.

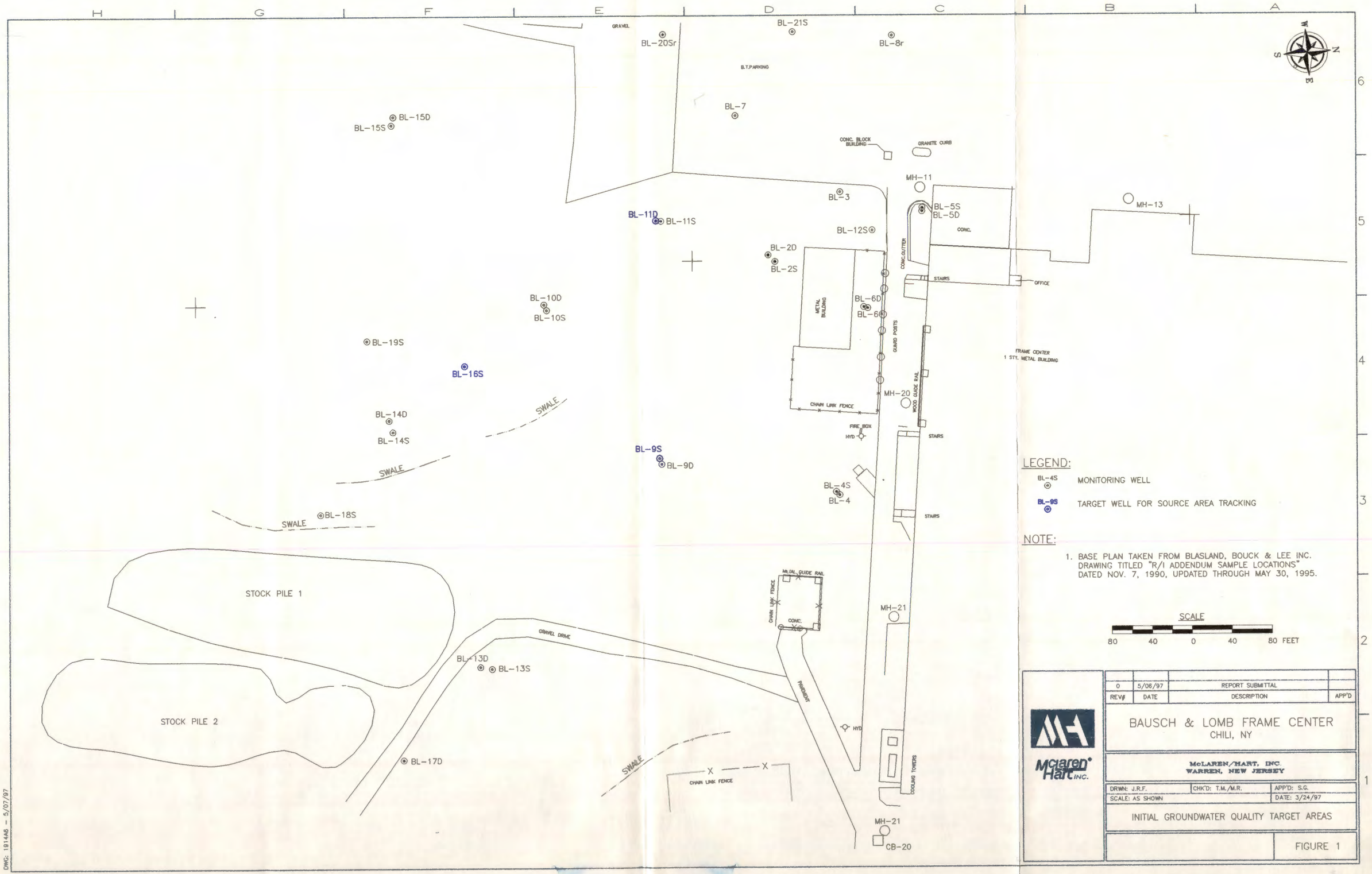
Similar to the BL-16S source area, the source area identified for BL-11D also appears to be caused from a very limited localized chlorinated solvent release which contained both TCE and, to a lesser extent, TCA. However, as was the case in the vicinity of BL-9S, significant bio-degradation activity also appears to be occurring in this area.

8.0 Conclusions

As a result of the completion of an extensive and focussed pre-remedial design field program conducted at the B&L Frame Center from December 1996 through February 1997, the sources of dissolved VOCs historically measured in groundwater monitoring wells were identified. Such long-term ongoing sources of dissolved VOCs in local groundwater at the site were found to be originating from three distinct source zones, as shown on Figure 6. The area of each of these zones was found to be very localized and limited in size. In addition, it is believed that the presence of residual DNAPL at each of these areas is responsible for the persistence of groundwater quality impacts.

Although the configurations of the dissolved plumes emanating from these source areas were found to be rather variable, the migration potential for each plume appears to be quite limited due to minimal hydraulic gradients coupled with the low flow hydrogeologic regimes observed. At two of these three plume areas, significant bio-degradation of the dissolved plumes was found to be occurring. At the third location, low hydraulic conductivities appears to be preventing the plume from moving rapidly away from the origination point.

The information gained from this program now makes it feasible to focus a remedy on specific source areas which are responsible for long-term on-going groundwater quality degradation. In addition, the detailed information obtained with regard to the configuration of the dissolved plumes will allow for precise and accurate long-term plume monitoring. Such monitoring will enable the long-term effectiveness of any implemented remedial measures to be evaluated.



LEGEND:

BL-4S ⊙ MONITORING WELL

BL-9S ⊙ TARGET WELL FOR SOURCE AREA TRACKING

NOTE:

1. BASE PLAN TAKEN FROM BLASLAND, BOUCK & LEE INC. DRAWING TITLED "R/I ADDENDUM SAMPLE LOCATIONS" DATED NOV. 7, 1990, UPDATED THROUGH MAY 30, 1995.

SCALE

80 40 0 40 80 FEET

REV#	DATE	DESCRIPTION	APP'D
0	5/06/97	REPORT SUBMITTAL	

BAUSCH & LOMB FRAME CENTER
CHILI, NY

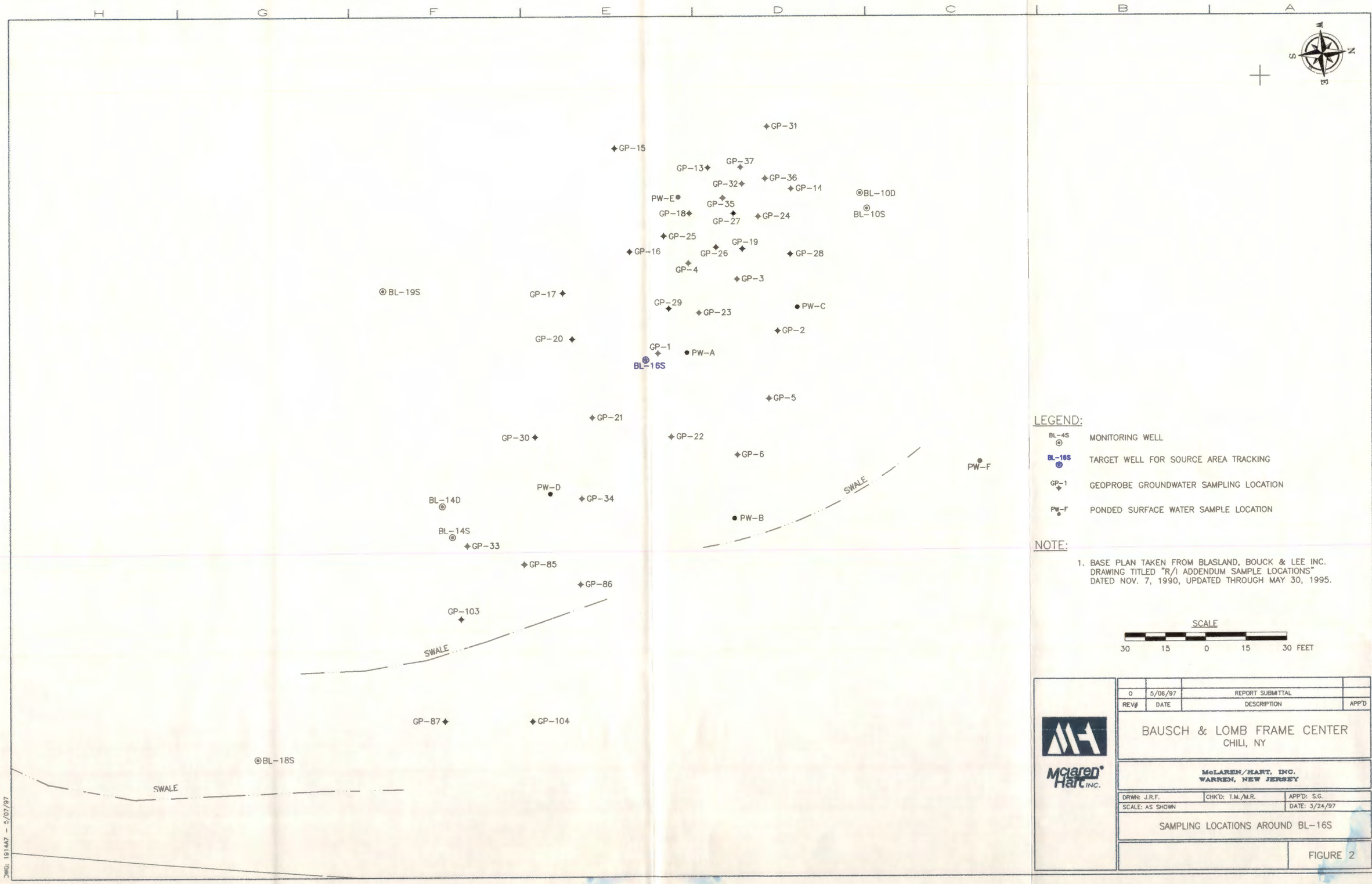
McLAREN/HART, INC.
WARREN, NEW JERSEY

DRWN: J.R.F.	CHK'D: T.M./M.R.	APP'D: S.G.
SCALE: AS SHOWN		DATE: 3/24/97

INITIAL GROUNDWATER QUALITY TARGET AREAS

FIGURE 1

DWG: 191A6 - 5/07/97



LEGEND:

BL-4S	MONITORING WELL
BL-16S	TARGET WELL FOR SOURCE AREA TRACKING
GP-1	GEOPROBE GROUNDWATER SAMPLING LOCATION
PW-F	PONDED SURFACE WATER SAMPLE LOCATION

NOTE:

1. BASE PLAN TAKEN FROM BLASLAND, BOUCK & LEE INC. DRAWING TITLED "R/I ADDENDUM SAMPLE LOCATIONS" DATED NOV. 7, 1990, UPDATED THROUGH MAY 30, 1995.

SCALE

30 15 0 15 30 FEET

REV#	DATE	DESCRIPTION	APP'D
0	5/06/97	REPORT SUBMITTAL	

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CHILI, NY

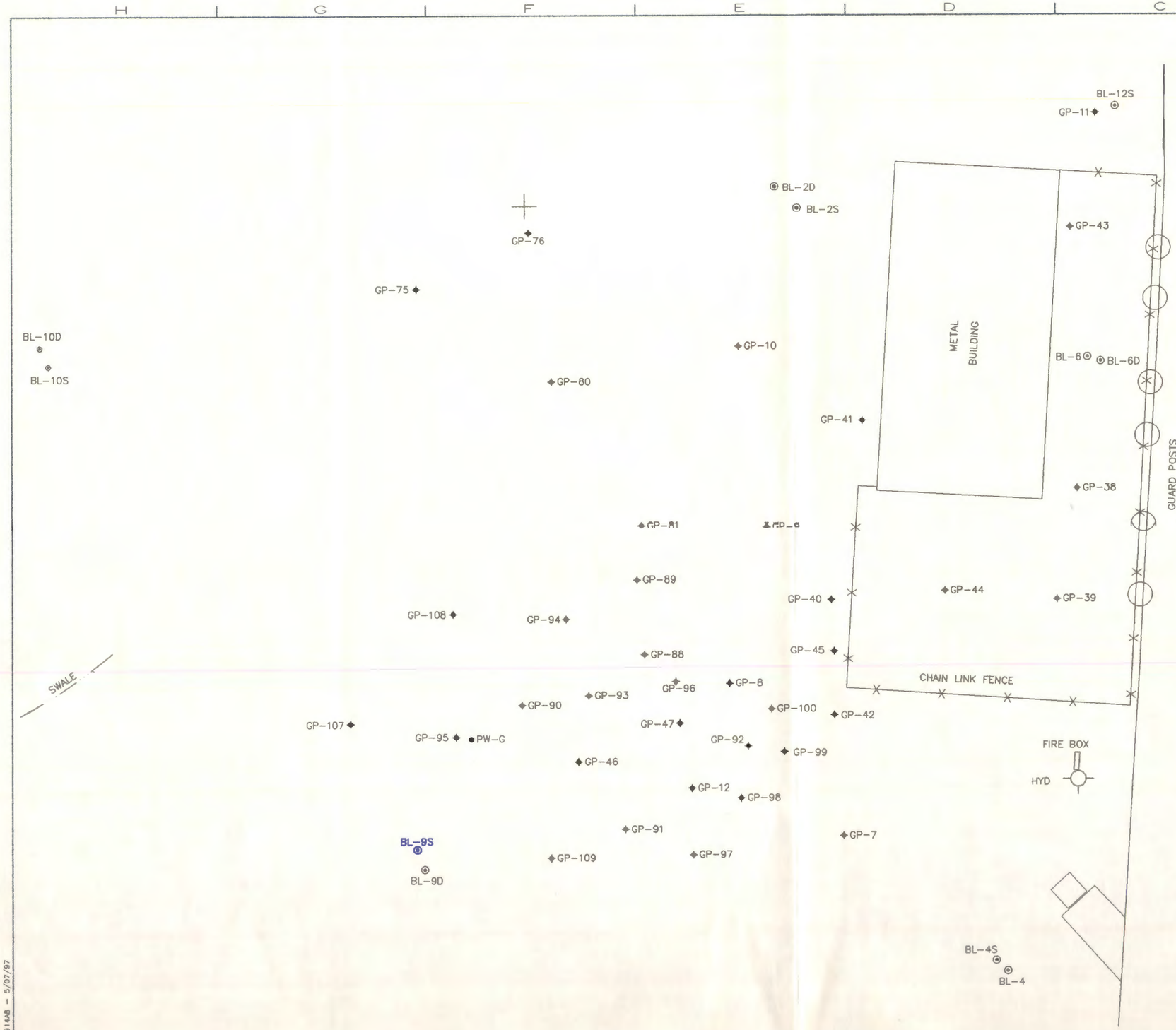
McLAREN/HART, INC.
WARREN, NEW JERSEY

DRWN: J.R.F.	CHK'D: T.M./M.R.	APP'D: S.G.
SCALE: AS SHOWN		DATE: 3/24/97

SAMPLING LOCATIONS AROUND BL-16S

FIGURE 2

DWG: 1914A7 - 5/07/97



LEGEND:

- BL-12S — MONITORING WELL
- BL-9S — TARGET WELL FOR SOURCE AREA TRACKING
- GP-1 — GEOPROBE GROUNWATER SAMPLING LOCATION
- PW-F — PONDED SURFACE WATER SAMPLE LOCATION

NOTE:

1. BASE PLAN TAKEN FROM BLASLAND, BOUCK & LEE INC. DRAWING TITLED "R/I ADDENDUM SAMPLE LOCATIONS" DATED NOV. 7, 1990, UPDATED THROUGH MAY 30, 1995.

SCALE

30 15 0 15 30 FEET

REV#	DATE	DESCRIPTION	APP'D
0	5/06/97	REPORT SUBMITTAL	

BAUSCH & LOMB FRAME CENTER
CHILI, NY

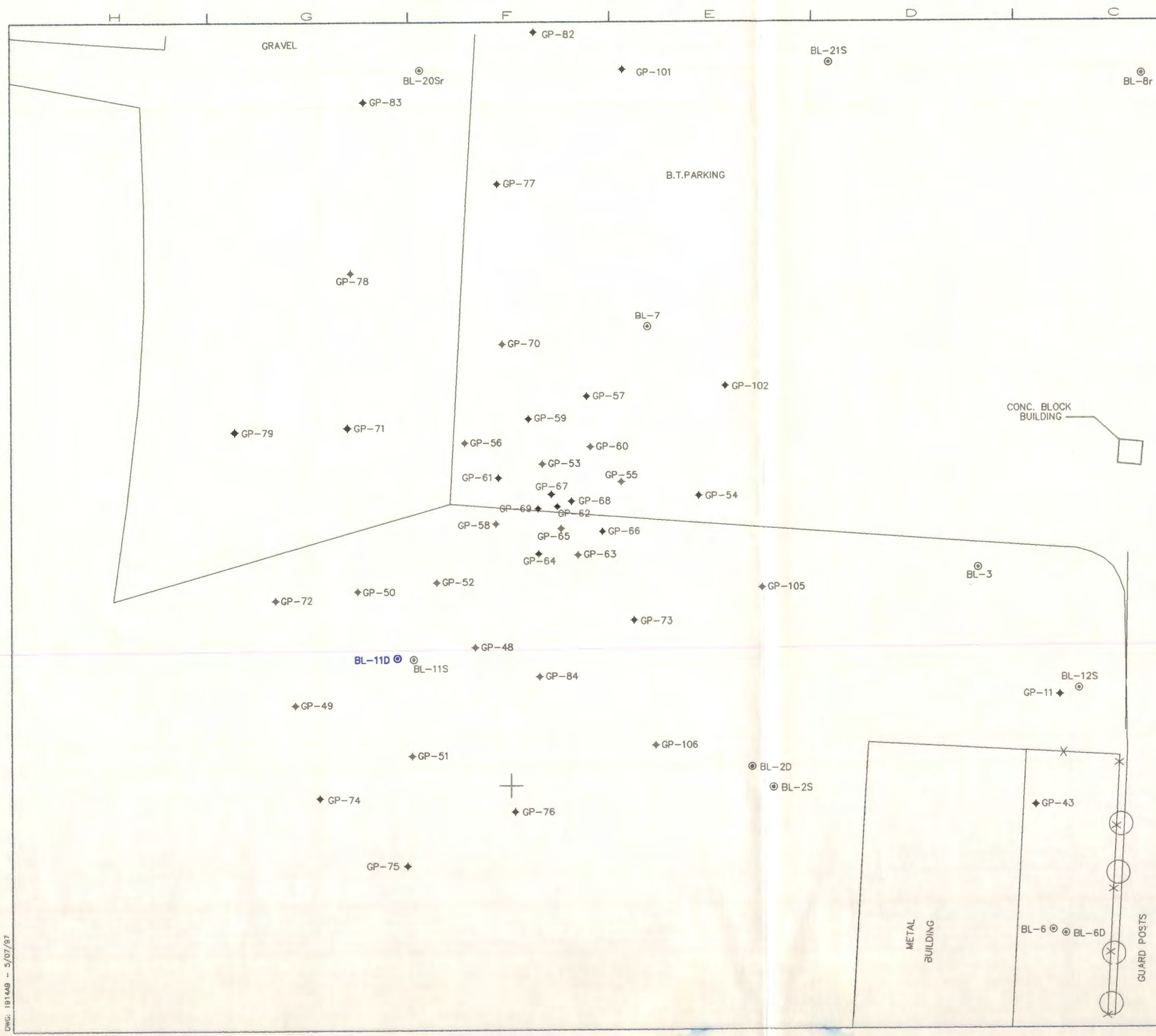
McLAREN HART, INC.
WARREN, NEW JERSEY

DRWN: J.R.F.	CHK'D: T.M./M.R.	APP'D: S.G.
SCALE: AS SHOWN		DATE: 3/24/97

SAMPLING LOCATIONS AROUND BL-9S

FIGURE 3

DWG: 19144B - 5/07/97



LEGEND:

BL-4S	MONITORING WELL
BL-11D	TARGET WELL FOR SOURCE AREA TRACKING
GP-1	GEOPROBE SAMPLE LOCATION
PW-F	PONDED SURFACE WATER SAMPLE LOCATION

NOTE:

1. BASE PLAN TAKEN FROM BLASLAND, BOUCK & LEE INC. DRAWING TITLED "R/I ADDENDUM SAMPLE LOCATIONS" DATED NOV. 7, 1990, UPDATED THROUGH MAY 30, 1995.

SCALE

30 15 0 15 30 FEET

REV#	DATE	DESCRIPTION	APP'D
0	5/06/97	REPORT SUBMITTAL	

BAUSCH & LOMB FRAME CENTER
CHILI, NY

McLAREN/HART, INC.
WARREN, NEW JERSEY

DRWN: J.R.F.	CHK'D: T.M./M.R.	APP'D: S.G.
SCALE: AS SHOWN		DATE: 3/24/97

SAMPLING LOCATIONS AROUND BL-11D

FIGURE 4

DWG: 191A48 - 5/07/97

H G F E D C B A

CHAIN LINK FENCE

CB-1

GRANITE CURB

SWALE

SS-1

GRAVEL DRIVE

PAVEMENT

BL-8S

GRAVEL BL-20S

BL-21S

BL-8r

BL-15S BL-15D

BL-7

CONC. BLOCK BUILDING

GRANITE CURB

MH-11

8" CIP

8" PVC

MH-13

6" VCP

BL-5S

BL-5D

BL-3

BL-12S

BL-11D BL-11S

CONC.

6" VCP

BL-2D

BL-2S

CONC. GUTTER

STAIRS

OFFICE

INTERIOR WALLS

METAL BUILDING

BL-6

BL-6D

GUARD POSTS

I.V.

WOOD GUIDE RAIL

BL-10D BL-10S

BL-19S

BL-16S

CHAIN LINK FENCE

MH-20

FIRE BOX HYD

PIV

STAIRS

BL-14D BL-14S

SWALE

BL-9S BL-9D

BL-4S BL-4

BL-18S

SWALE

STOCK PILE 1

CHAIN LINK FENCE

METAL GUIDE RAIL

CONC.

MH-21

GRAVEL DRIVE

BL-13D BL-13S

PAVEMENT

HYD

STOCK PILE 2

BL-17D

SWALE

CHAIN LINK FENCE

COOLING TOWERS

FRAME CENTER

1 STY. METAL BUILDING

B.T.

B.T.

PAUL ROAD

BL-1

LEGEND:

BL-4S MONITORING WELL

APPROXIMATE LATERAL EXTENT OF DISSOLVED TCE >2 mg/l

SOURCES OF DISSOLVED TCE

NOTE:

1. BASE PLAN TAKEN FROM BLASLAND, BOUCK & LEE INC. DRAWING TITLED "R/I ADDENDUM SAMPLE LOCATIONS" DATED NOV. 7, 1990, UPDATED THROUGH MAY 30, 1995.

SCALE

100 50 0 50 100 FEET

REV#	DATE	DESCRIPTION	APP'D
0	5/06/97	REPORT SUBMITTAL	

BAUSCH & LOMB FRAME CENTER
CHILI, NY

McLAREN/HART, INC.
WARREN, NEW JERSEY

DRWN: J.R.F.	CHK'D: T.M./M.R.	APP'D: S.G.
SCALE: AS SHOWN		DATE: 3/24/97

TCE SOURCES & ASSOCIATED DISSOLVED PLUMES

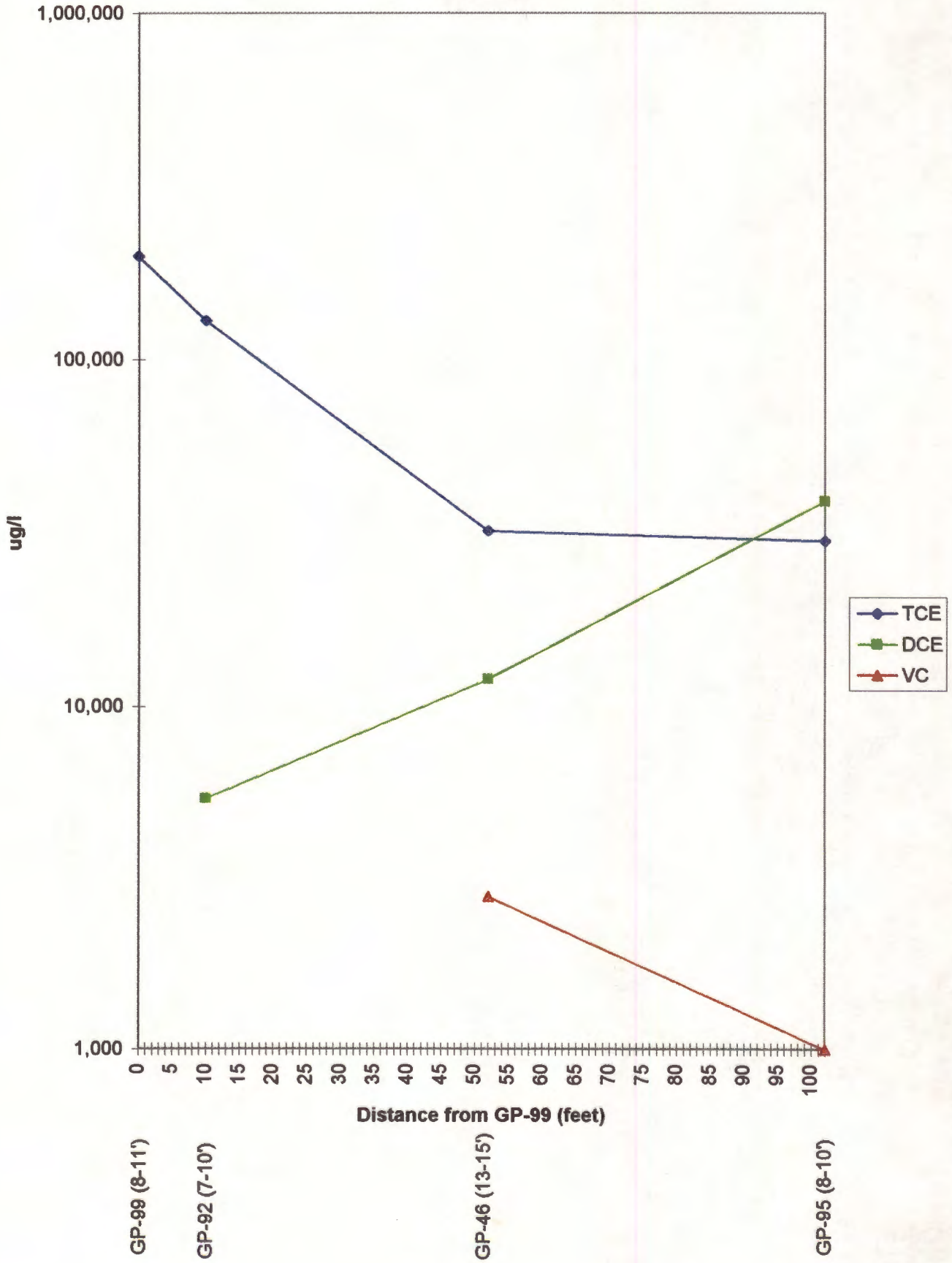
FIGURE 5

DWG: 1914A'1 - 5/07/97

6 5 4 3 2 1

CHART 1

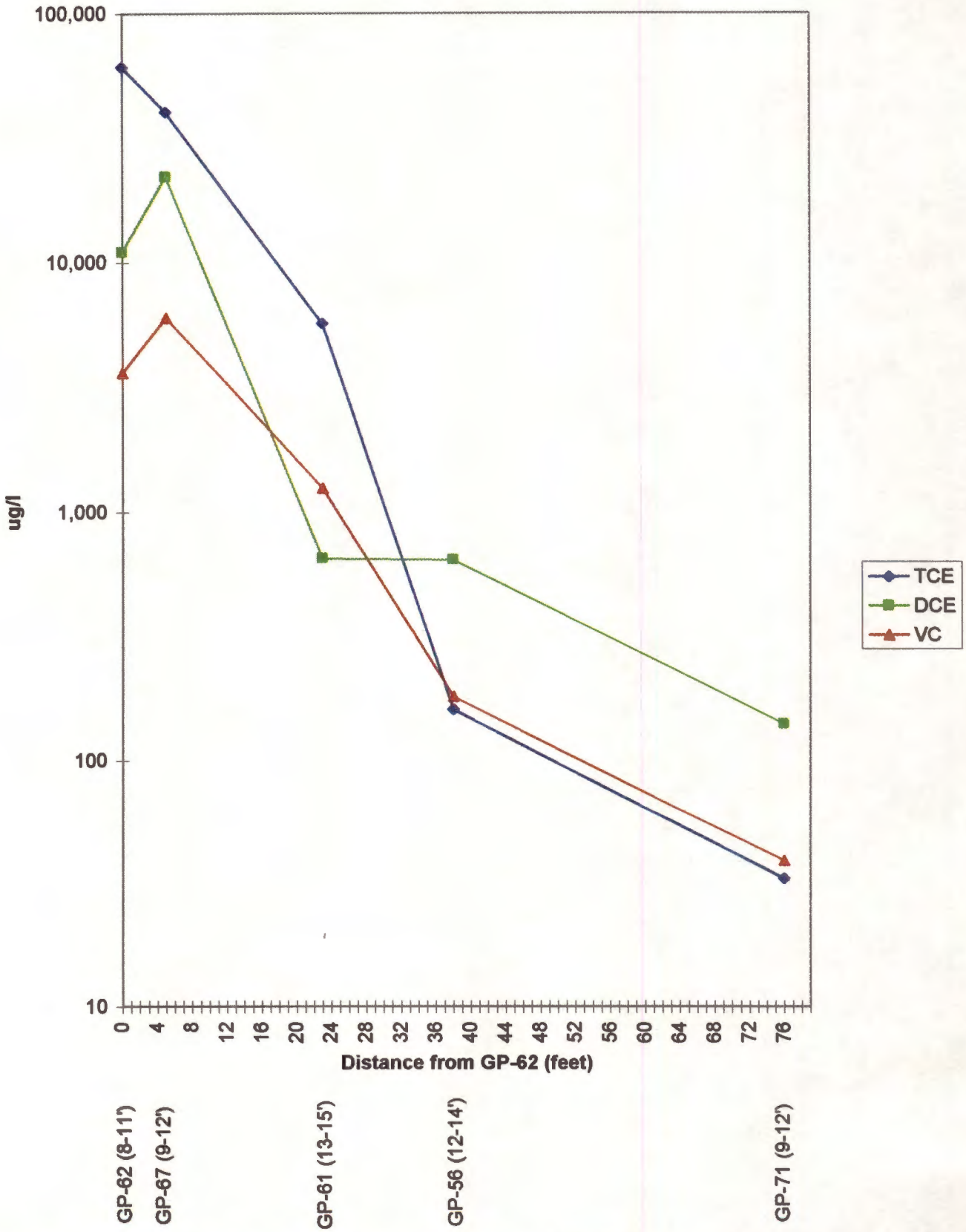
RELATIONSHIP BETWEEN TCE, DCE, AND VC IN THE VICINITY OF BL-9S



Note: Data acquired at the Bausch and Lomb Frame Center in Chili, NY by McLaren/Hart, Inc. from December 1996 through February 1997

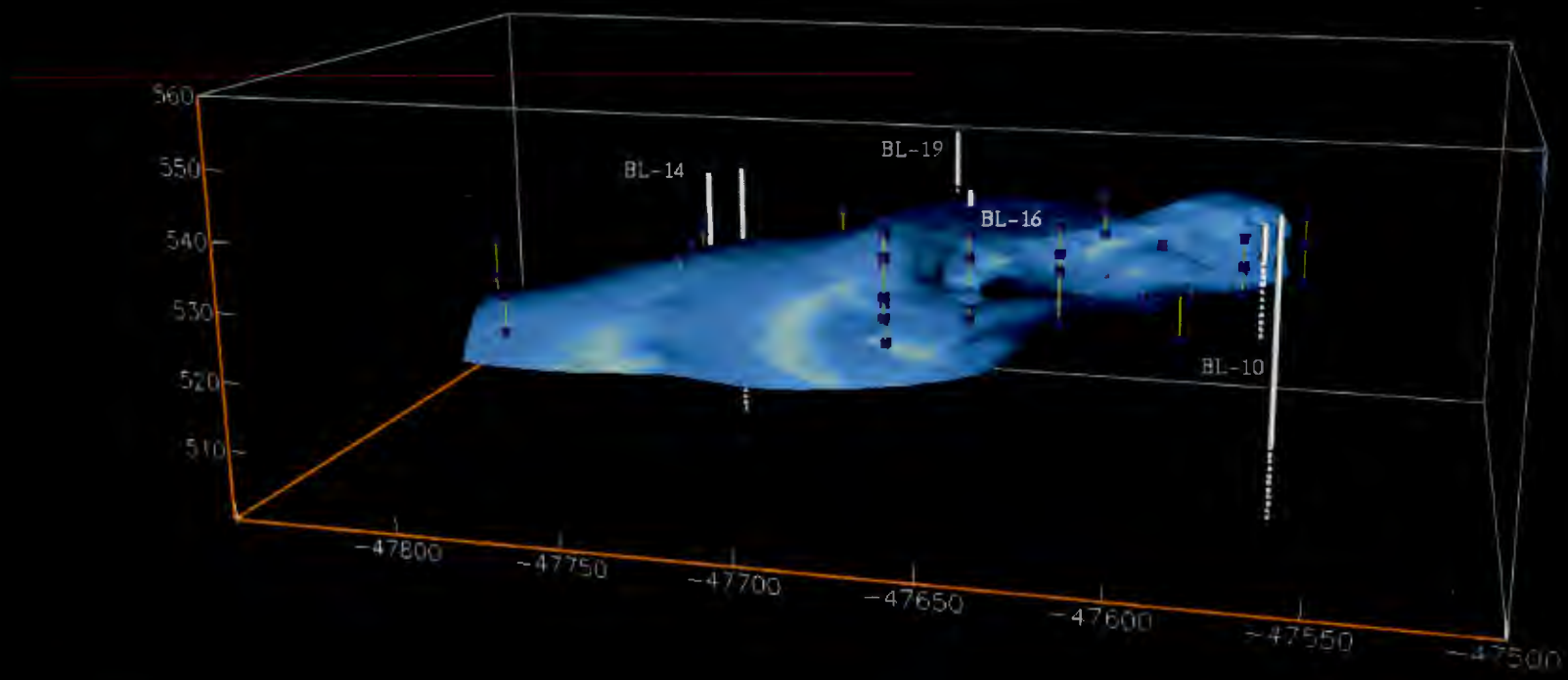
CHART 2

RELATIONSHIP BETWEEN TCE, DCE, AND VC IN THE VICINITY OF BL-11D



Note: Data acquired at the Bausch and Lomb Frame Center in Chili, NY by McLaren/Hart, Inc. from December 1996 through February 1997

Figure A1: Dissolved TCE Plume > 1 mg/L
Area 16S – Frame Center



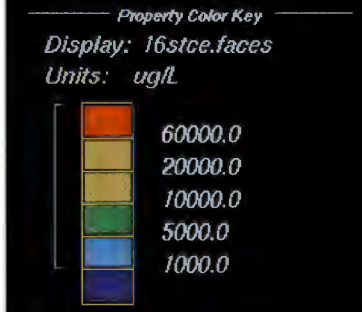


Figure A2: Dissolved TCE Cross-Section
Area 16S – Frame Center

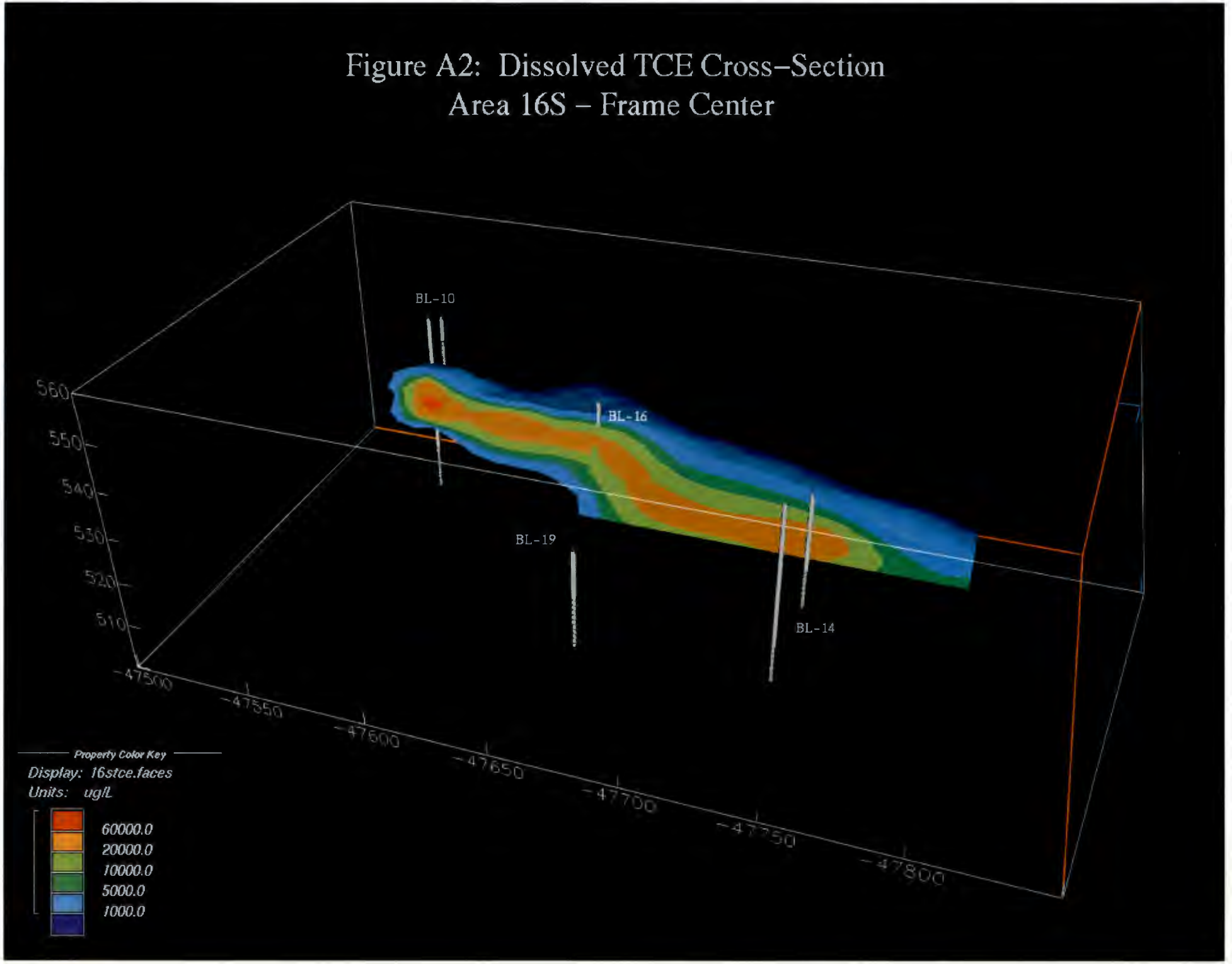


Figure A3: Source of Dissolved TCE
Area 16S – Frame Center

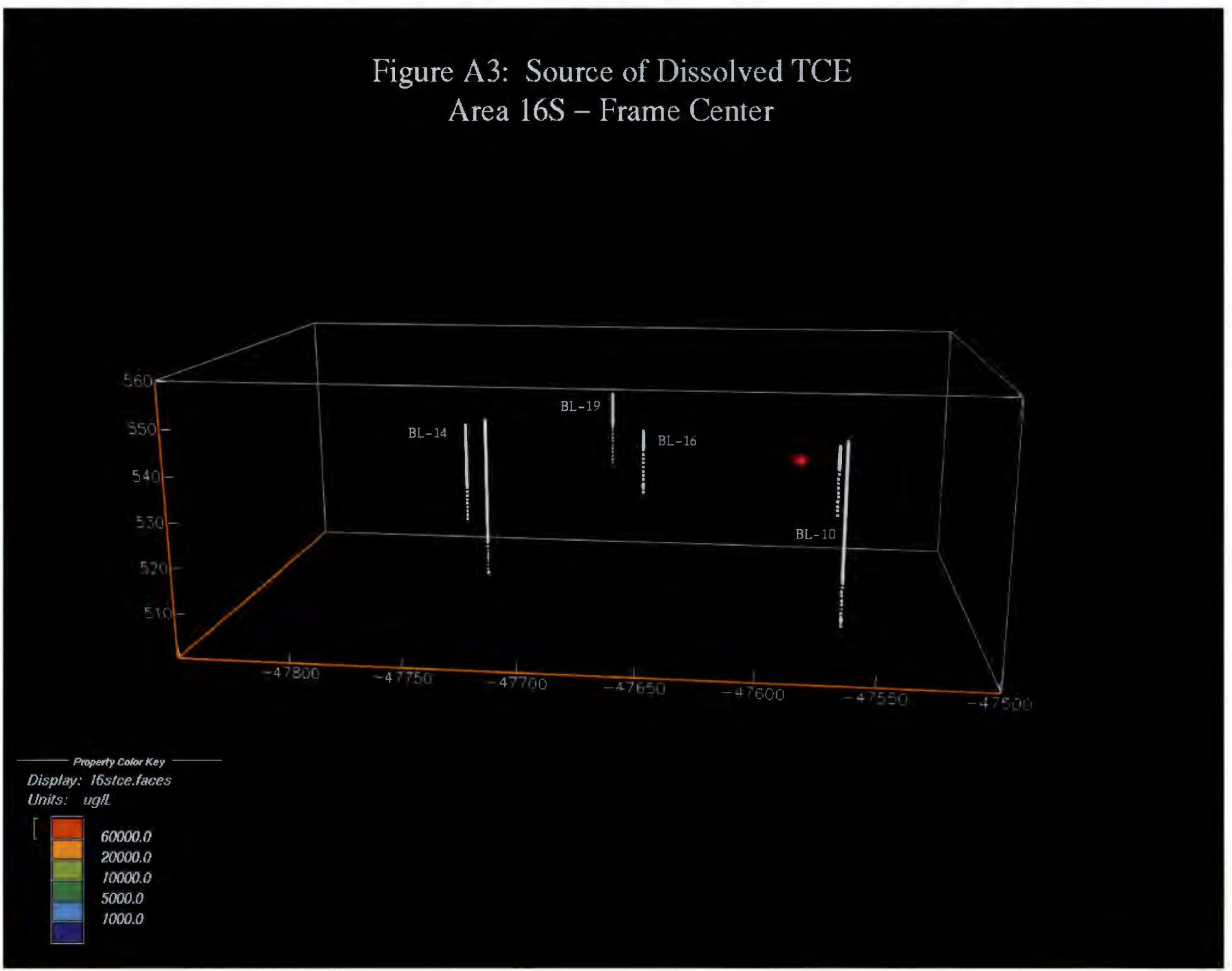


Figure B1: Dissolved TCE Plume > 1 mg/L
Area 9S – Frame Center

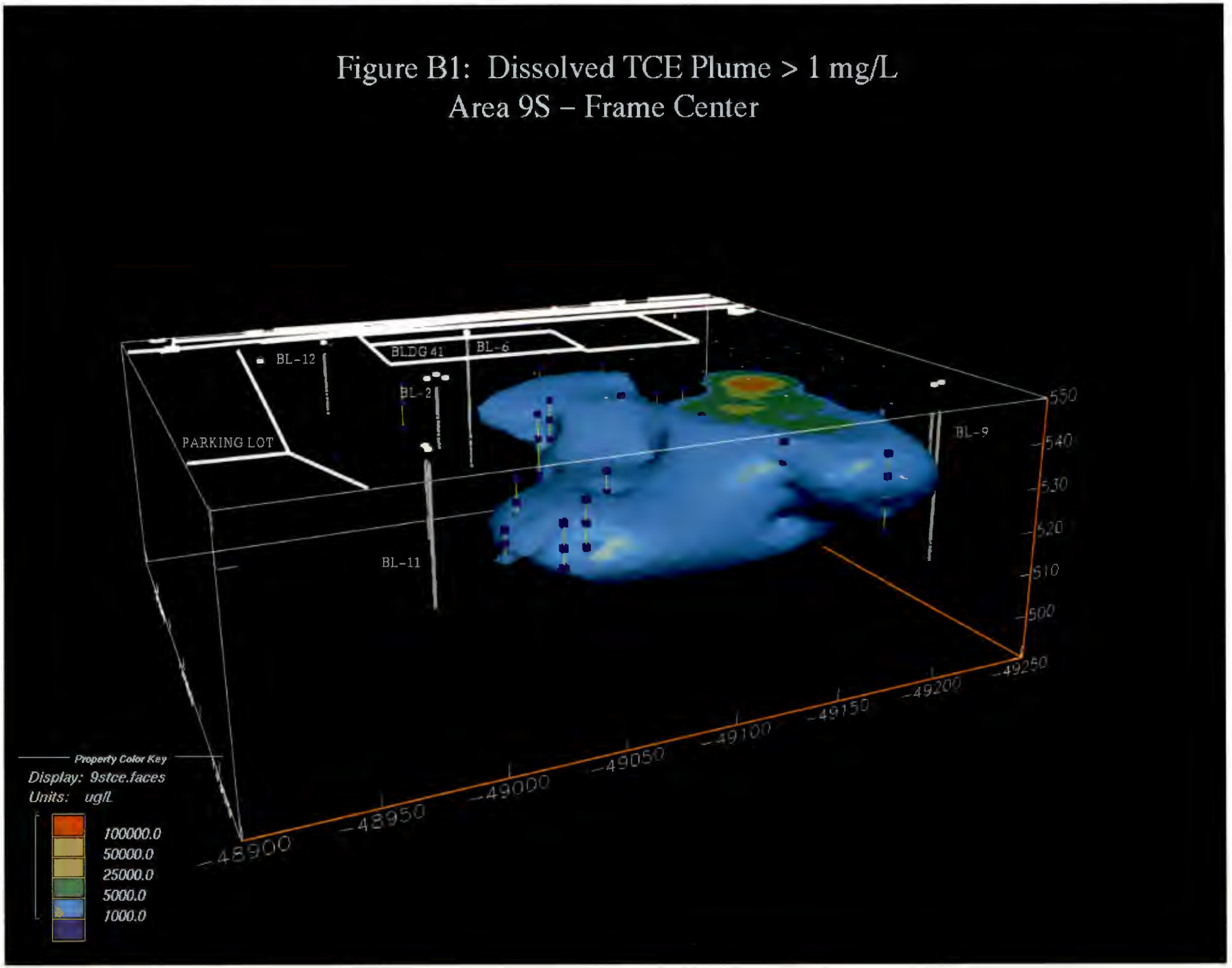


Figure B2: Dissolved TCE Cross–Section
Area 9S – Frame Center

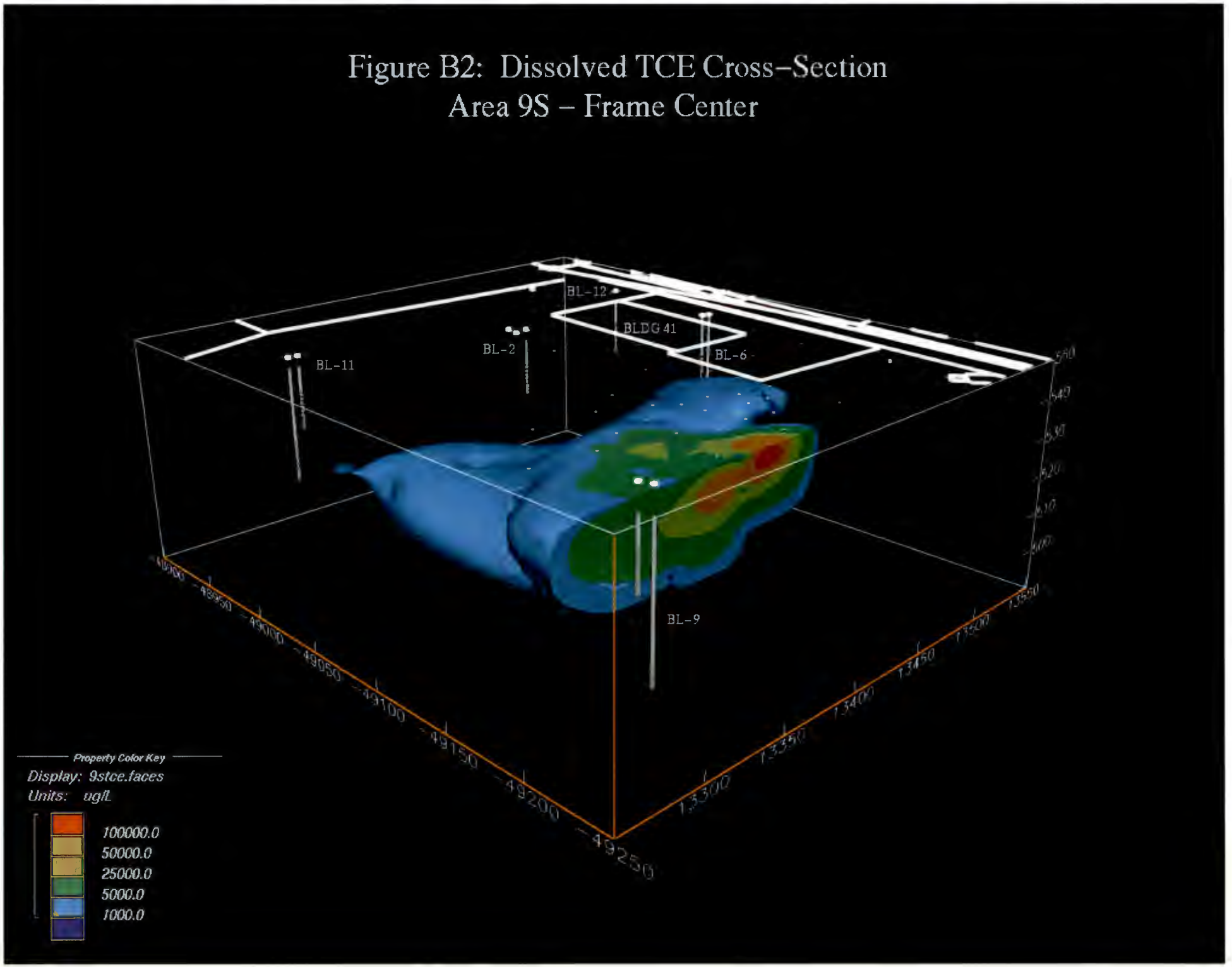


Figure B3: Source of Dissolved TCE
Area 9S – Frame Center

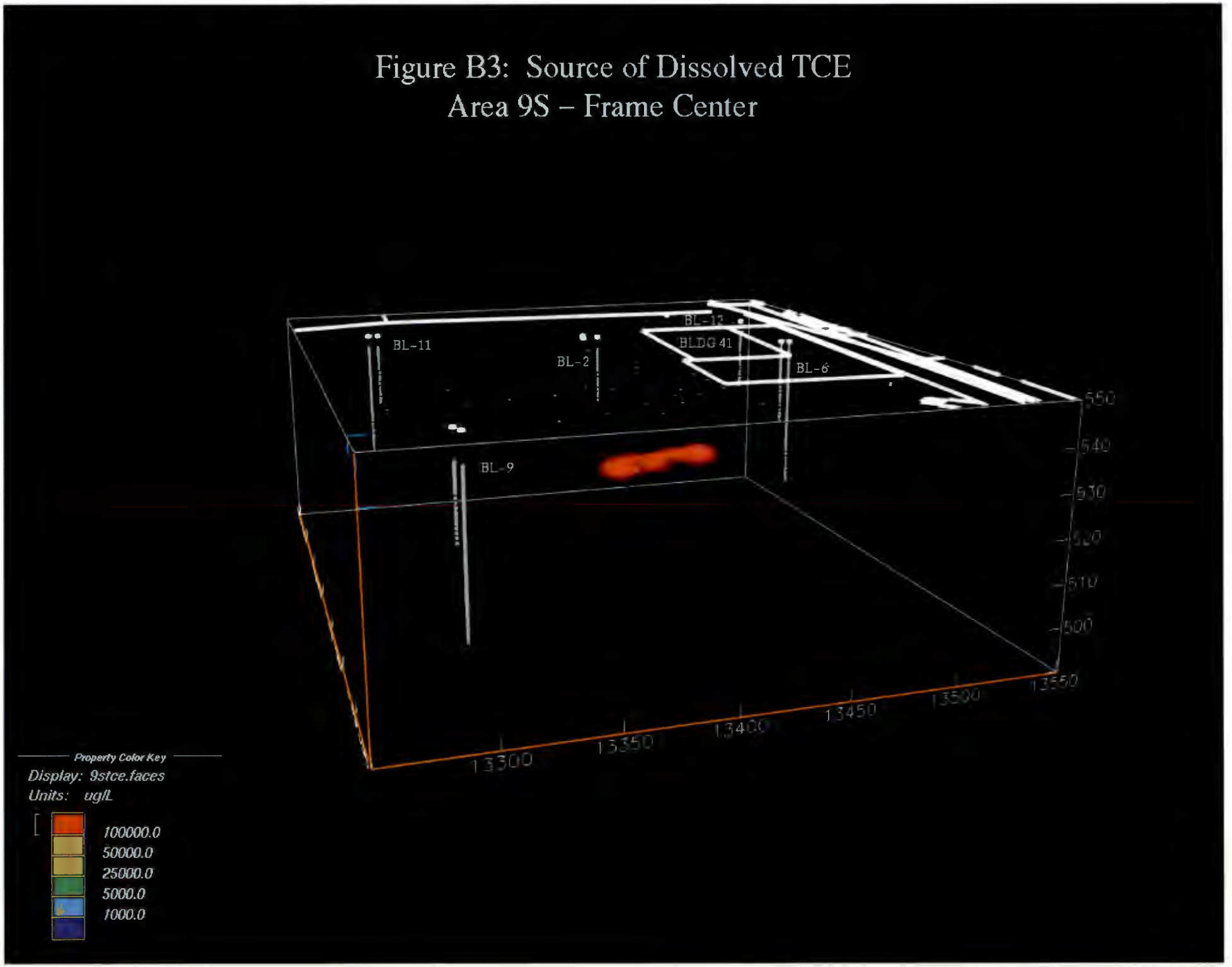


Figure C1: Dissolved TCE Plume > 50 ug/L
Area 11D – Frame Center

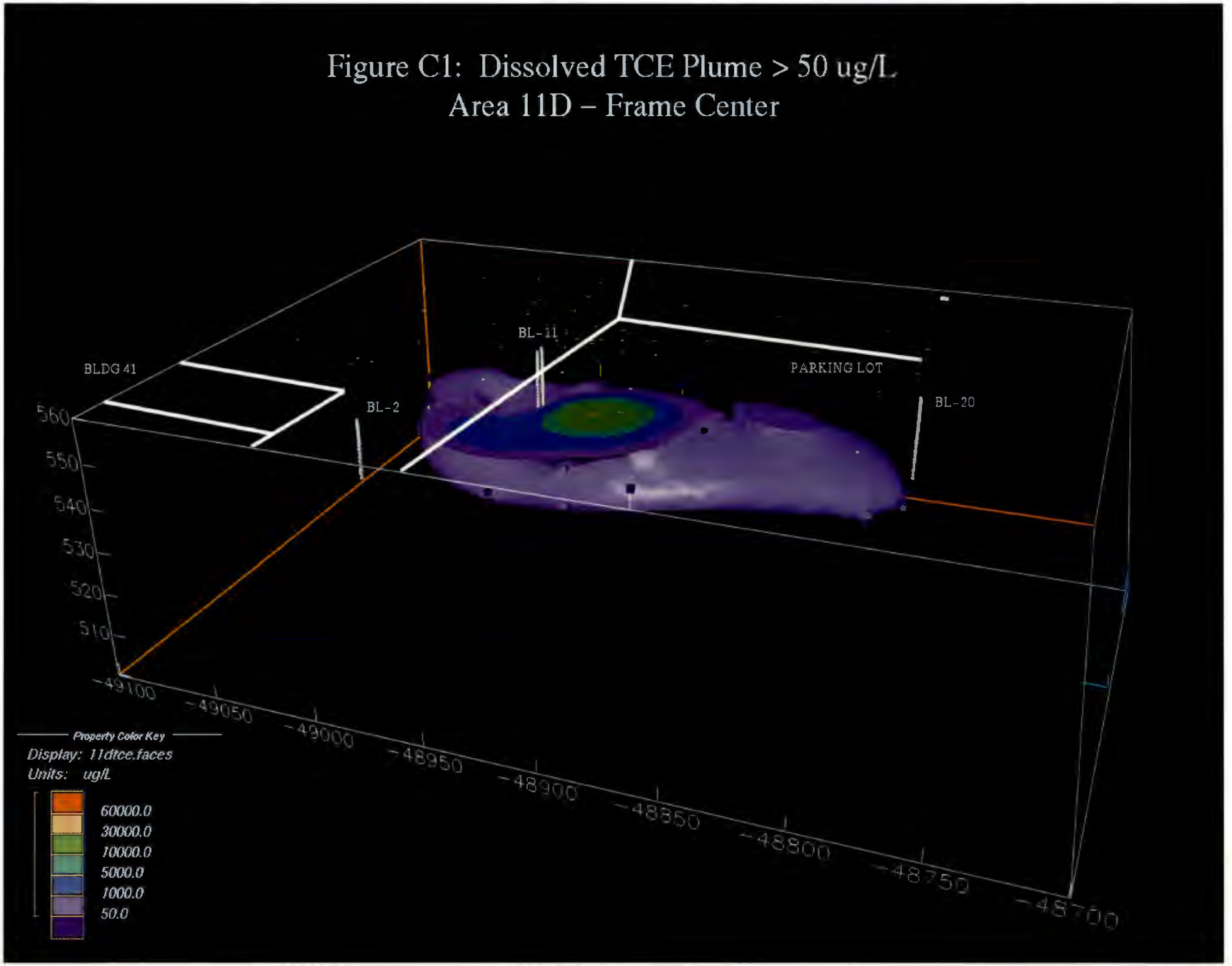


Figure C2: Dissolved TCE Cross–Section
Area 11D – Frame Center

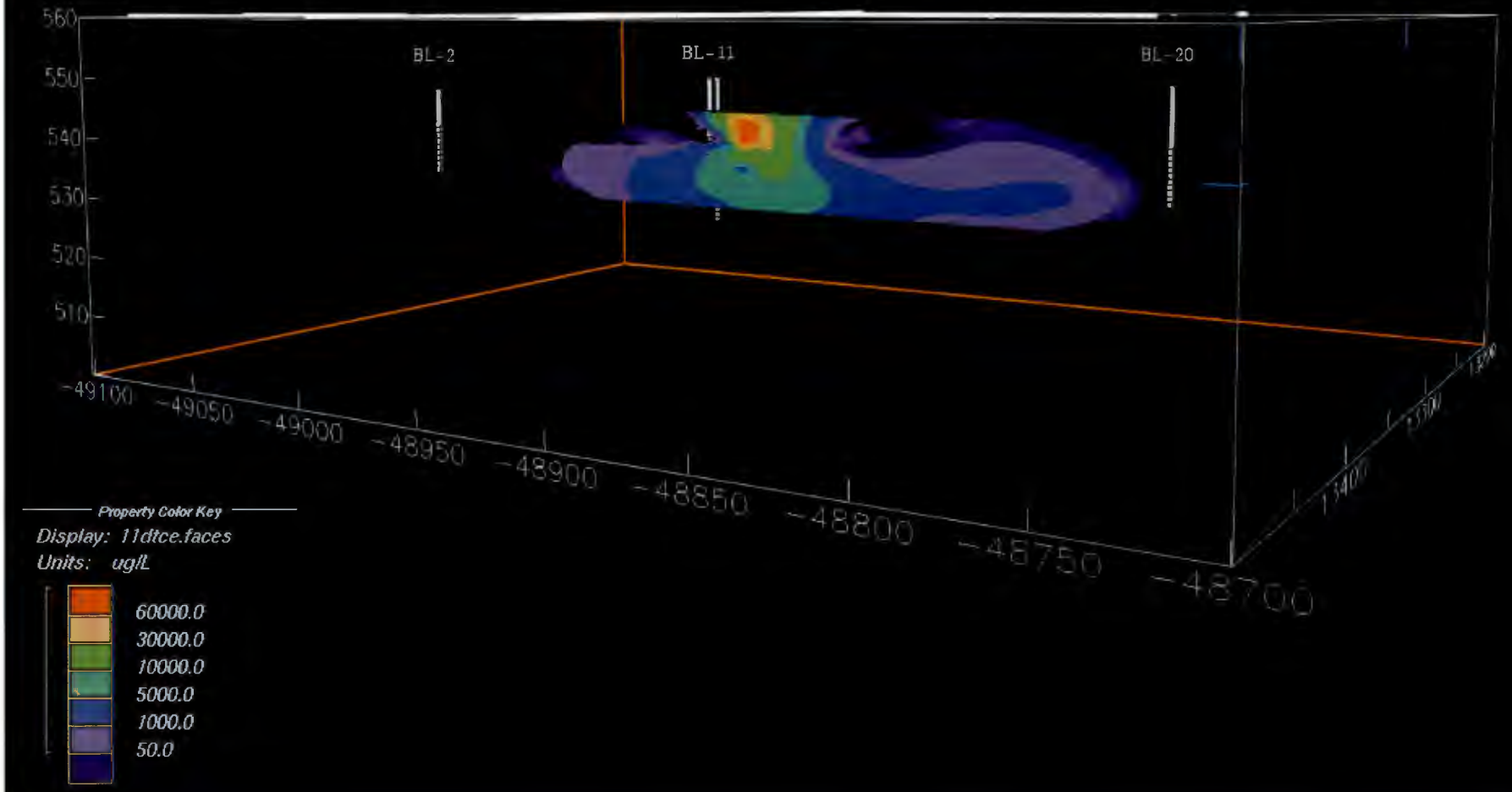
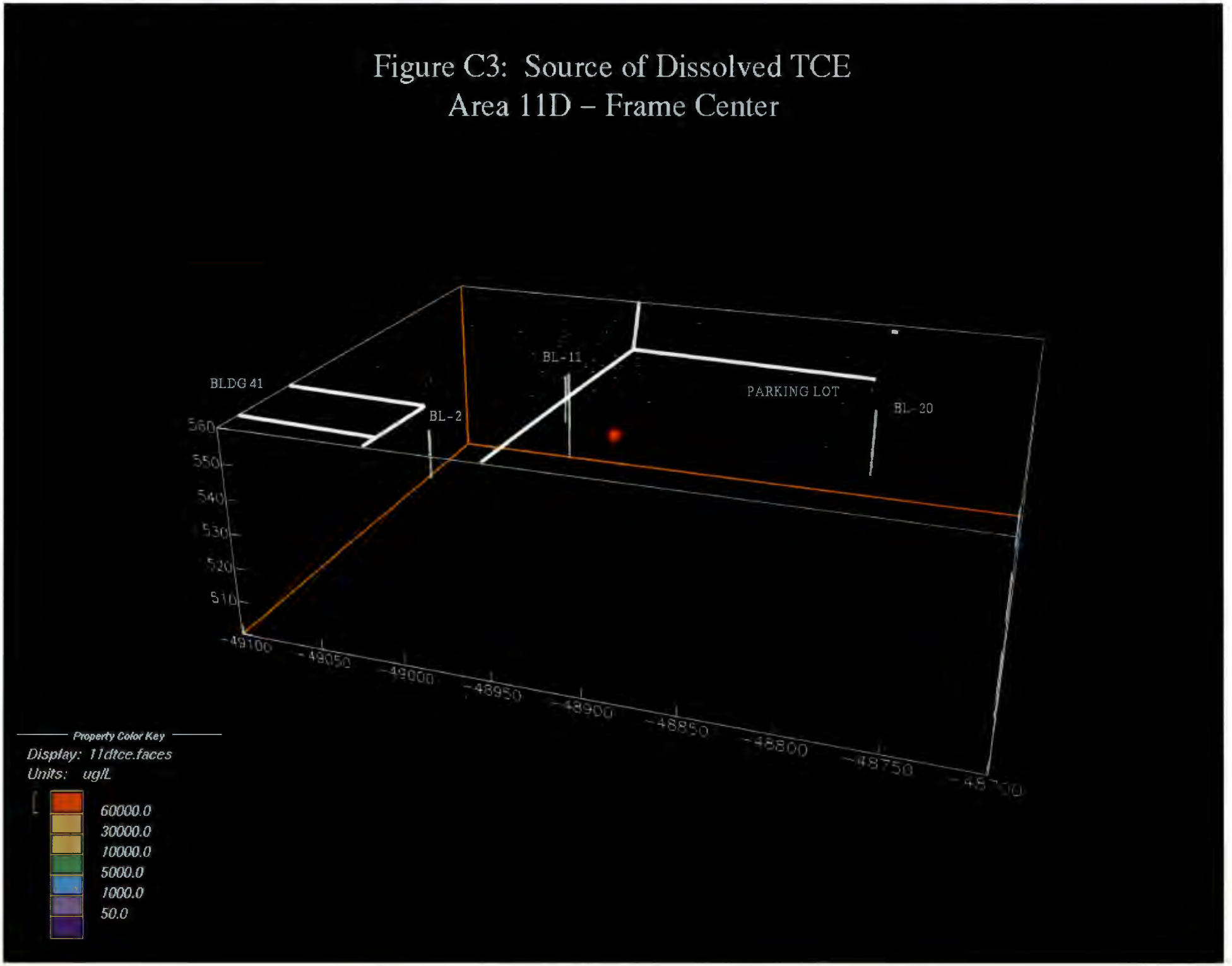


Figure C3: Source of Dissolved TCE
Area 11D – Frame Center



Appendix A

Summary of On-Site Analysis Results

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
Monitoring Wells

Sample ID:	BL-2D	BL-2S	BL-3	BL-3 DUP	BL-4S	BL-6S
Date Collected:	2/12/97	2/12/97	1/15/97	1/15/97	1/16/97	1/13/97
Dilution Factor:	1 X	1 X	1 X	1 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	3 J	4 J	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	3 J	10 U	10 U	10 U	10 U	17
1,1-Dichloroethane	2 J	10 U	4 J	6 J	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	6 J	10 U	15	20	10 U	10 U
Benzene	10 U	10 U	4 J	5 J	10 U	10 U
Trichloroethene	43	4 J	10 U	10 U	12	150
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U	10 U	10 U
Freon 113 (TIC)	33 J	8 J	NP	NP	12 J	48 J

Sample ID:	BL-9S	BL-9SDL	BL-10S	BL-11D	BL-14S
Date Collected:	12/11/96	12/11/96	12/10/96	12/11/96	12/10/96
Dilution Factor:	1 X	500 X	2 X	100 X	1 X
ug/L units					
Vinyl Chloride	1800 E	2400 J	20 U	1000 U	10 U
n-Hexane	10 U		20 U	1000 U	10 U
1,1-Dichloroethene	170		20 U	1000 U	11
Methylene Chloride	10 U		20 U	1000 U	10 U
trans-1,2-Dichloroethene	35		20 U	1000 U	10 U
cis-1,2-Dichloroethene	4000 E	23000	20 U	1000 U	10 U
1,1-Dichloroethane	14		20 U	1000 U	7 J
1,2-Dichloroethane	15		20 U	1000 U	10 U
1,1,1-Trichloroethane	10 U		20 U	1000 U	14
Benzene	2 J		20 U	1000 U	10 U
Trichloroethene	2600 E	14000	4 J	1500	75
4-Methyl-2-Pentanone	10 U		20 U	1000 U	10 U
Toluene	19		20 U	1000 U	10 U
Tetrachloroethene	7 J		260	1000 U	10 U
Ethylbenzene	27		20 U	1000 U	10 U
M&P Xylene	27		20 U	1000 U	10 U
O Xylene	16		20 U	1000 U	10 U
Freon 113 (TIC)	NP		NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
Monitoring Wells

Sample ID:	BL-16S	BL-17D	BL-18S	BL-19S
Date Collected:	12/10/96	1/13/97	1/13/97	12/11/96
Dilution Factor:	500 X	1 X	1 X	1 X
ug/L units				
Vinyl Chloride	5000 U	10 U	10 U	10 U
n-Hexane	5000 U	10 U	10 U	10 U
1,1-Dichloroethene	5000 U	10 U	10 U	10 U
Methylene Chloride	5000 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5000 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5000 U	10 U	10 U	2 J
1,1-Dichloroethane	5000 U	10 U	10 U	10 U
1,2-Dichloroethane	5000 U	10 U	10 U	10 U
1,1,1-Trichloroethane	2700 J	10 U	10 U	10 U
Benzene	5000 U	10 U	10 U	10 U
Trichloroethene	26000	10 U	10 U	3 J
4-Methyl-2-Pentanone	5000 U	10 U	10 U	10 U
Toluene	5000 U	10 U	10 U	10 U
Tetrachloroethene	820 J	10 U	10 U	10 U
Ethylbenzene	5000 U	10 U	10 U	10 U
M&P Xylene	5000 U	10 U	10 U	10 U
O Xylene	5000 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
16S Area

Sample ID:	GP-1 (1-4)	GP-1A (1-4)	GP-1B (5.5-7)	GP-1 (8-10)	GP-1 (12-13)
Date Collected:	12/9/96	12/10/96	1/11/97	12/10/96	12/11/96
Dilution Factor:	1 X	1 X	200 X	100 X	1 X
ug/L units					
Vinyl Chloride	10 U	10 U	2000 U	1000 U	10 U
n-Hexane	10 U	10 U	2000 U	1000 U	10 U
1,1-Dichloroethene	10 U	10 U	2000 U	1000 U	2 J
Methylene Chloride	10 U	10 U	2000 U	1000 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	2000 U	1000 U	10 U
cis-1,2-Dichloroethene	10 U	2 J	2000 U	1000 U	3 J
1,1-Dichloroethane	10 U	10 U	2000 U	1000 U	9 J
1,2-Dichloroethane	10 U	10 U	2000 U	1000 U	10 U
1,1,1-Trichloroethane	16	16	1900 J	1200	10 U
Benzene	10 U	10 U	2000 U	1000 U	10 U
Trichloroethene	130	150	24000	9300	300 E
4-Methyl-2-Pentanone	10 U	10 U	2000 U	1000 U	10 U
Toluene	10 U	10 U	2000 U	1000 U	3 J
Tetrachloroethene	10 U	2 J	2000 U	340 J	34
Ethylbenzene	10 U	10 U	2000 U	1000 U	10 U
M&P Xylene	10 U	10 U	2000 U	1000 U	3 J
O Xylene	10 U	10 U	2000 U	1000 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Sample ID:	GP-1B (12-15)	GP-1B (12-15)DL	GP-1B (20-22)	GP-2 (0-1)	GP-2 (3-5)	GP-2 (3-5)D
Date Collected:	1/10/97	1/10/97	1/10/97	12/10/96	12/10/96	12/10/96
Dilution Factor:	10 X	50 X	1 X	1 X	100 X	100 X
ug/L units						
Vinyl Chloride	100 U		10 U	10 U	1000 U	1000 U
n-Hexane	100 U		10 U	10 U	1000 U	1000 U
1,1-Dichloroethene	140		1 J	10 U	1000 U	1000 U
Methylene Chloride	100 U		10 U	10 U	1000 U	1000 U
trans-1,2-Dichloroethene	100 U		10 U	10 U	1000 U	1000 U
cis-1,2-Dichloroethene	100 U		10 U	42	1000 U	1000 U
1,1-Dichloroethane	370		2 J	10 U	1000 U	1000 U
1,2-Dichloroethane	100 U		10 U	10 U	1000 U	1000 U
1,1,1-Trichloroethane	21 J		2 J	10 U	1000 U	1000 U
Benzene	100 U		2 J	10 U	1000 U	1000 U
Trichloroethene	3200 E	3900	17	19	1000 U	1000 U
4-Methyl-2-Pentanone	100 U		10 U	10 U	1000 U	1000 U
Toluene	100 U		2 J	10 U	1000 U	1000 U
Tetrachloroethene	100 U		10 U	2 J	1700	1400
Ethylbenzene	100 U		10 U	10 U	1000 U	1000 U
M&P Xylene	100 U		10 U	10 U	1000 U	1000 U
O Xylene	100 U		10 U	10 U	1000 U	1000 U
Freon 113 (TIC)	NP		NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
16S Area

Sample ID:	GP-2 (5-8)	GP-2 (13-14)	GP-3 (0-1)	GP-3 (3-5)	GP-3 (9-10)	GP-4 (0-1)
Date Collected:	2/9/97	12/10/96	12/11/96	12/11/96	12/11/96	12/11/96
Dilution Factor:	1 X	5 X	2 X	1 X	10 X	10 X
ug/L units						
Vinyl Chloride	10 U	50 U	20 U	10 U	100 U	100 U
n-Hexane	10 U	50 U	9 J	10 U	100 U	100 U
1,1-Dichloroethene	10 U	50 U	20 U	10 U	100 U	100 U
Methylene Chloride	10 U	50 U	20 U	10 U	100 U	100 U
trans-1,2-Dichloroethene	1 J	50 U	20 U	10 U	100 U	100 U
cis-1,2-Dichloroethene	9 J	50 U	5 J	5 J	100 U	100 U
1,1-Dichloroethane	10 U	50 U	20 U	10 U	100 U	100 U
1,2-Dichloroethane	10 U	50 U	20 U	10 U	100 U	100 U
1,1,1-Trichloroethane	10 U	50 U	2 J	6 J	32 J	100 U
Benzene	10 U	50 U	20 U	10 U	100 U	100 U
Trichloroethene	20	50 U	33	91	160	100 U
4-Methyl-2-Pentanone	10 U	50 U	20 U	10 U	100 U	100 U
Toluene	10 U	50 U	20 U	10 U	100 U	100 U
Tetrachloroethene	500 E	330	19 J	16	1200	100 U
Ethylbenzene	10 U	50 U	20 U	10 U	100 U	100 U
M&P Xylene	10 U	50 U	20 U	10 U	100 U	100 U
O Xylene	10 U	50 U	20 U	10 U	100 U	100 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Sample ID:	GP-4 (3-5)	GP-4 (7-9)	GP-4 (7-9)DL
Date Collected:	12/11/96	1/9/97	1/9/97
Dilution Factor:	25 X	200 X	500 X
ug/L units			
Vinyl Chloride	250 U	2000 U	
n-Hexane	250 U	2000 U	
1,1-Dichloroethene	250 U	350 J	
Methylene Chloride	250 U	2000 U	
trans-1,2-Dichloroethene	250 U	2000 U	
cis-1,2-Dichloroethene	250 U	2000 U	
1,1-Dichloroethane	250 U	710 J	
1,2-Dichloroethane	250 U	2000 U	
1,1,1-Trichloroethane	250 B	4700	
Benzene	250 U	2000 U	
Trichloroethene	2000	43000 E	56000
4-Methyl-2-Pentanone	250 U	2000 U	
Toluene	250 U	2000 U	
Tetrachloroethene	250 U	2000 U	
Ethylbenzene	250 U	2000 U	
M&P Xylene	250 U	2000 U	
O Xylene	250 U	2000 U	
Freon 113 (TIC)	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
16S Area

Sample ID:	GP-4A (12-13)	GP-4A (12-13)DL	GP-4A (12-13)DUP	GP-4A (12-13)DUPDL
Date Collected:	12/11/96	12/11/96	12/11/96	12/11/96
Dilution Factor:	50X	200 X	50X	200 X
ug/L units				
Vinyl Chloride	500 U		500 U	
n-Hexane	500 U		500 U	
1,1-Dichloroethene	590		500	
Methylene Chloride	500 U		500 U	
trans-1,2-Dichloroethene	500 U		500 U	
cis-1,2-Dichloroethene	75 J		500 U	
1,1-Dichloroethane	1900		1800	
1,2-Dichloroethane	500 U		500 U	
1,1,1-Trichloroethane	190 J		160 J	
Benzene	500 U		500 U	
Trichloroethene	20000 E	21000	17000 E	22000
4-Methyl-2-Pentanone	500 U		500 U	
Toluene	500 U		500 U	
Tetrachloroethene	500 U		500 U	
Ethylbenzene	500 U		500 U	
M&P Xylene	500 U		500 U	
O Xylene	500 U		500 U	
Freon 113 (TIC)	NP		NP	

Sample ID:	GP-5 (0-1)	GP-5 (3-5)	GP-5 (9-10)	GP-5 (12-13)	GP-6 (0-1)
Date Collected:	12/11/96	12/12/96	12/12/96	12/11/96	12/12/96
Dilution Factor:	1 X	1 X	50 X	1 X	2 X
ug/L units					
Vinyl Chloride	10 U	10 U	57 J	1 J	20 U
n-Hexane	1 J	10 U	500 U	10 U	20 U
1,1-Dichloroethene	10 U	10 U	500 U	1 J	20 U
Methylene Chloride	10 U	10 U	500 U	10 U	20 U
trans-1,2-Dichloroethene	10 U	10 U	500 U	10 U	20 U
cis-1,2-Dichloroethene	10 U	10 U	890	10 U	20 U
1,1-Dichloroethane	10 U	10 U	500 U	10 U	20 U
1,2-Dichloroethane	10 U	10 U	500 U	10 U	20 U
1,1,1-Trichloroethane	10 U	10 U	500 U	10 U	20 U
Benzene	10 U	10 U	500 U	10 U	20 U
Trichloroethene	11	21	1900	2 J	20 U
4-Methyl-2-Pentanone	10 U	10 U	500 U	10 U	20 U
Toluene	10 U	1 J	500 U	10 U	20 U
Tetrachloroethene	21	170	500 U	2 J	20 U
Ethylbenzene	10 U	10 U	500 U	10 U	20 U
M&P Xylene	10 U	10 U	500 U	10 U	20 U
O Xylene	10 U	10 U	500 U	10 U	20 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-6 (3-5)	GP-6 (9-10)	GP-6 (12-13)	GP-13 (4-5)	GP-13 (8-9)	GP-13 (8-9)D
Date Collected:	12/12/96	12/11/96	12/11/96	1/7/97	1/7/97	1/7/97
Dilution Factor:	1 X	2 X	1X	1 X	5 X	5 X
ug/L units						
Vinyl Chloride	10 U	20 U	10 U	10 U	50 U	50 U
n-Hexane	10 U	20 U	10 U	5 J	50 U	50 U
1,1-Dichloroethene	10 U	3 J	10 U	10 U	50 U	14 J
Methylene Chloride	10 U	20 U	10 U	10 U	50 U	50 U
trans-1,2-Dichloroethene	10 U	20 U	10 U	10 U	50 U	11 J
cis-1,2-Dichloroethene	10 U	20 U	10 U	10 U	50 U	50 U
1,1-Dichloroethane	10 U	20 U	10 U	10 U	50 U	50 U
1,2-Dichloroethane	10 U	20 U	10 U	10 U	50 U	50 U
1,1,1-Trichloroethane	10 U	20 U	10 U	27	50 U	50 U
Benzene	10 U	20 U	10 U	10 U	50 U	50 U
Trichloroethene	3 J	72	2 J	130	140	160
4-Methyl-2-Pentanone	10 U	20 U	10 U	10 U	50 U	50 U
Toluene	10 U	20 U	10 U	10 U	50 U	50 U
Tetrachloroethene	110	790 E	1 J	7 J	50 U	14 J
Ethylbenzene	10 U	20 U	10 U	10 U	50 U	50 U
M&P Xylene	10 U	20 U	10 U	10 U	50 U	50 U
O Xylene	10 U	20 U	10 U	10 U	50 U	50 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Sample ID:	GP-13 (15-17)	GP-14 (4-5)	GP-14 (8-9)	GP-14 (12-13)	GP-15 (4-5)	GP-15 (8-9)
Date Collected:	1/7/97	1/7/97	1/7/97	1/7/97	1/7/97	1/7/97
Dilution Factor:	1 X	1 X	1 X	10 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	100 U	10 U	10 U
n-Hexane	10 U	10 U	2 J	100 U	3 J	3 J
1,1-Dichloroethene	10 U	10 U	10 U	100 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	100 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	100 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	12	15	100 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	100 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	100 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	100 U	10 U	10 U
Benzene	10 U	10 U	10 U	100 U	10 U	10 U
Trichloroethene	10 U	25	19	100 U	2 J	8 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	100 U	10 U	10 U
Toluene	10 U	3 J	1 J	100 U	10 U	10 U
Tetrachloroethene	10 U	26	13	410	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	100 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	100 U	10 U	10 U
O Xylene	10 U	10 U	10 U	100 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-15 (11-13)	GP-16 (4-5)	GP-16 (7-9)	GP-16 (11-13)	GP-17 (4-6)	GP-17 (7-9)
Date Collected:	1/7/97	1/7/97	1/8/97	1/8/97	1/8/97	1/8/97
Dilution Factor:	1 X	20 X	50 X	10 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	200 U	500 U	100 U	10 U	10 U
n-Hexane	10 U	200 U	500 U	100 U	2 J	11
1,1-Dichloroethene	10 U	200 U	500 U	120	10 U	2 J
Methylene Chloride	10 U	200 U	500 U	100 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	200 U	500 U	100 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	200 U	500 U	100 U	10 U	10 U
1,1-Dichloroethane	10 U	200 U	500 U	260	10 U	10 U
1,2-Dichloroethane	10 U	200 U	500 U	100 U	10 U	10 U
1,1,1-Trichloroethane	10 U	88 J	690	100 U	1 J	14
Benzene	10 U	200 U	500 U	100 U	10 U	10 U
Trichloroethene	6 J	780	3900	810	12	64
4-Methyl-2-Pentanone	10 U	200 U	500 U	100 U	10 U	10 U
Toluene	10 U	200 U	500 U	100 U	10 U	10 U
Tetrachloroethene	10 U	200 U	500 U	100 U	10 U	10 U
Ethylbenzene	10 U	200 U	500 U	100 U	10 U	10 U
M&P Xylene	10 U	200 U	500 U	100 U	10 U	10 U
O Xylene	10 U	200 U	500 U	100 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Sample ID:	GP-17 (11-13)	GP-17(11-13)D	GP-18 (3-5)	GP-18 (7-9)	GP-18 (7-9)DL
Date Collected:	1/8/97	1/8/97	1/8/97	1/8/97	1/8/97
Dilution Factor:	40 X	40 X	5 X	50 X	100 X
ug/L units					
Vinyl Chloride	400 U	400 U	50 U	500 U	
n-Hexane	400 U	400 U	50 U	500 U	
1,1-Dichloroethene	48 J	46 J	50 U	125 J	
Methylene Chloride	400 U	400 U	50 U	500 U	
trans-1,2-Dichloroethene	400 U	400 U	50 U	500 U	
cis-1,2-Dichloroethene	400 U	400 U	50 U	500 U	
1,1-Dichloroethane	400 U	400 U	50 U	500 U	
1,2-Dichloroethane	400 U	400 U	50 U	500 U	
1,1,1-Trichloroethane	230 J	200 J	120	3400	
Benzene	400 U	400 U	50 U	500 U	
Trichloroethene	2000	1900	780	14000 E	14000
4-Methyl-2-Pentanone	400 U	400 U	50 U	500 U	
Toluene	400 U	400 U	50 U	500 U	
Tetrachloroethene	400 U	400 U	50 U	500 U	
Ethylbenzene	400 U	400 U	50 U	500 U	
M&P Xylene	400 U	400 U	50 U	500 U	
O Xylene	400 U	400 U	50 U	500 U	
Freon 113 (TIC)	NP	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-18 (12-15)	GP-18 (12-15)DL	GP-19 (3-5)	GP-19 (7-9)	GP-19 (7-9)DL
Date Collected:	1/8/97	1/8/97	1/8/97	1/8/97	1/8/97
Dilution Factor:	10 X	100 X	40 X	5 X	10 X
ug/L units					
Vinyl Chloride	100 U		400 U	50 U	
n-Hexane	100 U		400 U	50 U	
1,1-Dichloroethene	250		400 U	8 J	
Methylene Chloride	100 U		400 U	50 U	
trans-1,2-Dichloroethene	100 U		400 U	50 U	
cis-1,2-Dichloroethene	100 U		400 U	50 U	
1,1-Dichloroethane	470		400 U	50 U	
1,2-Dichloroethane	100 U		400 U	50 U	
1,1,1-Trichloroethane	1300		500	240	
Benzene	100 U		400 U	50 U	
Trichloroethene	600 E	8700	4000	1200 E	1100
4-Methyl-2-Pentanone	100 U		400 U	50 U	
Toluene	100 U		400 U	50 U	
Tetrachloroethene	100 U		150 J	520	
Ethylbenzene	100 U		400 U	50 U	
M&P Xylene	100 U		400 U	50 U	
O Xylene	100 U		400 U	50 U	
Freon 113 (TIC)	NP		NP	NP	

Sample ID:	GP-19 (12-15)	GP-20 (3-5)	GP-20 (7-9)	GP-20 (12-15)	GP-20 (20.5-24.5)	GP-21 (3-5)
Date Collected:	1/8/97	1/9/97	1/8/97	1/8/97	2/12/97	1/9/97
Dilution Factor:	1 X	1 X	1 X	2 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	20 U	10 U	10 U
n-Hexane	10 U	10 U	6 J	9 J	10 U	2 J
1,1-Dichloroethene	10 U	10 U	9 J	15 J	10 U	3 J
Methylene Chloride	10 U	10 U	10 U	20 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	20 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	20 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	2 J	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	20 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	33	61	10 U	30
Benzene	2 J	10 U	2 J	20 U	10 U	10 U
Trichloroethene	17	2 J	82	330	2 J	160
4-Methyl-2-Pentanone	10 U	10 U	10 U	20 U	10 U	10 U
Toluene	3 J	10 U	4 J	3 J	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	20 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	20 U	10 U	10 U
M&P Xylene	1 J	10 U	3 J	2 J	10 U	10 U
O Xylene	10 U	10 U	10 U	20 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-21 (7-9)	GP-21 (12-15)	GP-21 (12-15)DL	GP-21 (18-22)	GP-22 (3-5)	GP-22 (7-9)
Date Collected:	1/9/97	1/8/97	1/8/97	2/10/97	1/9/97	1/9/97
Dilution Factor:	25 X	25 X	100 X	200 X	1 X	1 X
ug/L units						
Vinyl Chloride	250 U	250 U		2000 U	10 U	10 U
n-Hexane	250 U	250 U		2000 U	10 U	10 U
1,1-Dichloroethene	61 J	300		1400 J	10 U	10 U
Methylene Chloride	250 U	250 U		2000 U	10 U	10 U
trans-1,2-Dichloroethene	250 U	250 U		2000 U	10 U	10 U
cis-1,2-Dichloroethene	250 U	250 U		2000 U	10 U	10 U
1,1-Dichloroethane	250 U	39		980 J	10 U	10 U
1,2-Dichloroethane	250 U	250 U		2000 U	10 U	10 U
1,1,1-Trichloroethane	330	1500		4400	2 J	9 J
Benzene	250 U	250 U		2000 U	10 U	10 U
Trichloroethene	1800	10000 E	12000	37000	22	91
4-Methyl-2-Pentanone	250 U	250 U		2000 U	10 U	10 U
Toluene	250 U	250 U		2000 U	10 U	10 U
Tetrachloroethene	250 U	250 U		2000 U	31	92
Ethylbenzene	250 U	250 U		2000 U	10 U	10 U
M&P Xylene	250 U	250 U		2000 U	10 U	10 U
O Xylene	250 U	250 U		2000 U	10 U	10 U
Freon 113 (TIC)	NP	NP		NP	NP	NP

Sample ID:	GP-22 (12-15)	GP-22 (12-15)D	GP-22 (16.5-22.5)	GP-22 (16.5-22.5)D	GP-23 (3-5)	GP-23 (3-5)DL
Date Collected:	1/9/97	1/9/97	2/12/97	2/12/97	1/9/97	1/9/97
Dilution Factor:	10 X	10 X	1 X	1 X	2 X	20 X
ug/L units						
Vinyl Chloride	100 U	100 U	10 U	10 U	20 U	
n-Hexane	100 U	100 U	10 U	10 U	5 J	
1,1-Dichloroethene	11 J	100 U	10 U	10 U	17 J	
Methylene Chloride	100 U	100 U	10 U	10 U	20 U	
trans-1,2-Dichloroethene	100 U	100 U	10 U	10 U	20 U	
cis-1,2-Dichloroethene	100 U	100 U	10 U	10 U	20 U	
1,1-Dichloroethane	100 U	100 U	10 U	10 U	4 J	
1,2-Dichloroethane	100 U	100 U	10 U	10 U	20 U	
1,1,1-Trichloroethane	16 J	17 J	10 U	10 U	370	
Benzene	100 U	100 U	10 U	10 U	20 U	
Trichloroethene	130	140	10 U	10 U	1500 E	2400
4-Methyl-2-Pentanone	100 U	100 U	10 U	10 U	20 U	
Toluene	100 U	100 U	10 U	10 U	20 U	
Tetrachloroethene	740	870	10 U	10 U	8 J	
Ethylbenzene	100 U	100 U	10 U	10 U	20 U	
M&P Xylene	100 U	100 U	10 U	10 U	20 U	
O Xylene	100 U	100 U	10 U	10 U	20 U	
Freon 113 (TIC)	NP	NP	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-23 (12-15)	GP-24 (3-5)	GP-24 (3-5)DL	GP-24 (7-9)	GP-24 (7-9)DL	GP-24 (12-15)
Date Collected:	1/9/97	1/9/97	1/9/97	1/9/97	1/9/97	1/9/97
Dilution Factor:	2 X	1 X	5 X	1 X	5 X	1 X
ug/L units						
Vinyl Chloride	20 U	10 U		10 U		10 U
n-Hexane	20 U	10 U		10 U		10 U
1,1-Dichloroethene	20 U	10 U		10 U		10 U
Methylene Chloride	20 U	10 U		10 U		10 U
trans-1,2-Dichloroethene	20 U	10 U		10 U		10 U
cis-1,2-Dichloroethene	20 U	10 U		5 J		1 J
1,1-Dichloroethane	10 J	10 U		10 U		10 U
1,2-Dichloroethane	20 U	10 U		10 U		10 U
1,1,1-Trichloroethane	20 U	2 J		1 J		10 U
Benzene	20 U	10 U		10 U		10 U
Trichloroethene	44	33		22		2 J
4-Methyl-2-Pentanone	20 U	10 U		10 U		10 U
Toluene	20 U	10 U		10 U		10 U
Tetrachloroethene	20 U	260 E	250	630 E	840	43
Ethylbenzene	20 U	10 U		10 U		10 U
M&P Xylene	20 U	10 U		10 U		10 U
O Xylene	20 U	10 U		10 U		10 U
Freon 113 (TIC)	NP	NP		NP		NP

Sample ID:	GP-25 (3-5)	GP-26 (3-5)	GP-27 (3-5)	GP-27 (5-7)	GP-27 (7-9)	GP-27 (7-9)DL
Date Collected:	1/10/97	1/10/97	1/10/97	2/9/97	1/10/97	1/10/97
Dilution Factor:	1 X	20 X	100 X	250 X	20 X	200 X
ug/L units						
Vinyl Chloride	10 U	200 U	1000 U	2500 U	200U	
n-Hexane	10 U	200 U	1000 U	2500 U	200U	
1,1-Dichloroethene	10 U	200 U	1000 U	2500 U	72 J	
Methylene Chloride	10 U	200 U	1000 U	2500 U	200U	
trans-1,2-Dichloroethene	10 U	200 U	1000 U	2500 U	200U	
cis-1,2-Dichloroethene	1 J	200 U	1000 U	2500 U	200U	
1,1-Dichloroethane	10 U	200 U	1000 U	2500 U	23 J	
1,2-Dichloroethane	10 U	200 U	1000 U	2500 U	200U	
1,1,1-Trichloroethane	17	320	1200	3400	4300 E	4600
Benzene	10 U	200 U	1000 U	2500 U	200U	
Trichloroethene	83	2600	13000	24000	19000 E	34000
4-Methyl-2-Pentanone	10 U	200 U	1000 U	2500 U	200U	
Toluene	10 U	200 U	1000 U	2500 U	200U	
Tetrachloroethene	10 U	200 U	1000 U	530 J	300	
Ethylbenzene	10 U	200 U	1000 U	2500 U	200U	
M&P Xylene	10 U	200 U	1000 U	2500 U	200U	
O Xylene	10 U	200 U	1000 U	2500 U	200U	
Freon 113 (TIC)	NP	NP	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-27 (12-15)	GP-27 (20-22)	GP-28 (3-5)	GP-29 (3-5)	GP-29 (12-15)	GP-29 (12-15)D
Date Collected:	1/10/97	1/12/97	1/10/97	1/10/97	1/10/97	1/10/97
Dilution Factor:	10 X	2 X	1 X	25 X	100 X	100 X
ug/L units						
Vinyl Chloride	100 U	20 U	10 U	250 U	1000 U	1000 U
n-Hexane	100 U	20 U	10 U	250 U	1000 U	1000 U
1,1-Dichloroethene	33 J	20 U	10 U	44 J	300 J	340 J
Methylene Chloride	100 U	20 U	10 U	250 U	1000 U	1000 U
trans-1,2-Dichloroethene	100 U	20 U	10 U	250 U	1000 U	1000 U
cis-1,2-Dichloroethene	100 U	20 U	3 J	250 U	1000 U	1000 U
1,1-Dichloroethane	67 J	20 U	10 U	250 U	550 J	540 J
1,2-Dichloroethane	100 U	20 U	10 U	250 U	1000 U	1000 U
1,1,1-Trichloroethane	75 J	20 U	10 U	690	1000 U	1000 U
Benzene	100 U	20 U	10 U	250 U	1000 U	1000 U
Trichloroethene	840	41	18	4900	8300	8000
4-Methyl-2-Pentanone	100 U	20 U	10 U	250 U	1000 U	1000 U
Toluene	100 U	20 U	10 U	250 U	1000 U	1000 U
Tetrachloroethene	100 U	360	160	250 U	1000 U	1000 U
Ethylbenzene	100 U	20 U	10 U	250 U	1000 U	1000 U
M&P Xylene	100 U	20 U	10 U	250 U	1000 U	1000 U
O Xylene	100 U	20 U	10 U	250 U	1000 U	1000 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Sample ID:	GP-30 (3-5)	GP-30 (7-9)	GP-30 (13-16)	GP-30 (13-16)D	GP-31 (3-5)	GP-31 (7-9)
Date Collected:	1/10/97	1/10/97	1/12/97	1/12/97	1/10/97	1/10/97
Dilution Factor:	1 X	1 X	1 X	1 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	15	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	79	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	4 J	10	7 J	5 J	3 J	7 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	1 J	10 U	1 J	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	2 J	10 U	25	22
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-31 (12-15)	GP-32 (3-5)	GP-32 (7-9)	GP-32 (12-15)	GP-33 (6-10)
Date Collected:	1/10/97	1/11/97	1/11/97	1/11/97	1/11/97
Dilution Factor:	1 X	500 X	1000 X	20 X	1 X
ug/L units					
Vinyl Chloride	10 U	5000 U	10000 U	200 U	10 U
n-Hexane	10 U	5000 U	10000 U	200 U	2 J
1,1-Dichloroethene	10 U	5000 U	10000 U	200 U	10 U
Methylene Chloride	10 U	5000 U	10000 U	200 U	10 U
trans-1,2-Dichloroethene	10 U	5000 U	10000 U	200 U	10 U
cis-1,2-Dichloroethene	10 U	5000 U	10000 U	200 U	10 U
1,1-Dichloroethane	10 U	5000 U	10000 U	200 U	10 U
1,2-Dichloroethane	10 U	5000 U	10000 U	200 U	10 U
1,1,1-Trichloroethane	10 U	4200 J	16000	56 J	10 U
Benzene	10 U	5000 U	10000 U	200 U	1 J
Trichloroethene	18	46000	130000	630	10 U
4-Methyl-2-Pentanone	10 U	5000 U	10000 U	200 U	10 U
Toluene	1 J	5000 U	1400 J	200 U	2 J
Tetrachloroethene	72	590 J	1200 J	400	10 U
Ethylbenzene	10 U	5000 U	10000 U	200 U	10 U
M&P Xylene	10 U	5000 U	1700 J	200 U	2 J
O Xylene	10 U	5000 U	10000 U	200 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Sample ID:	GP-33 (12-16)	GP-34 (6-9)	GP-35 (3-5)	GP-35 (3-5)DL
Date Collected:	1/11/97	1/12/97	1/12/97	1/12/97
Dilution Factor:	1 X	50 X	1 X	20 X
ug/L units				
Vinyl Chloride	10 U	500 U	10 U	
n-Hexane	10 U	500 U	10 U	
1,1-Dichloroethene	10 U	110 J	7 J	
Methylene Chloride	10 U	500 U	10 U	
trans-1,2-Dichloroethene	10 U	500 U	10 U	
cis-1,2-Dichloroethene	10 U	500 U	6 J	
1,1-Dichloroethane	10 U	500 U	2 J	
1,2-Dichloroethane	10 U	500 U	10 U	
1,1,1-Trichloroethane	10 U	340 J	530 E	280
Benzene	10 U	500 U	10 U	
Trichloroethene	10 U	3800	1400 E	1700
4-Methyl-2-Pentanone	10 U	500 U	10 U	
Toluene	1 J	500 U	2 J	
Tetrachloroethene	10 U	500 U	5 J	
Ethylbenzene	10 U	500 U	10 U	
M&P Xylene	10 U	500 U	10 U	
O Xylene	10 U	500 U	10 U	
Freon 113 (TIC)	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-35 (7-9)	GP-35 (7-9)DL	GP-35 (7-9)D	GP-36 (3-5)
Date Collected:	1/12/97	1/12/97	1/12/97	1/12/97
Dilution Factor:	50 X	100 X	100 X	1 X
ug/L units				
Vinyl Chloride	500 U		1000 U	10 U
n-Hexane	500 U		1000 U	10 U
1,1-Dichloroethene	500 U		1000 U	10 U
Methylene Chloride	500 U		1000 U	10 U
trans-1,2-Dichloroethene	500 U		1000 U	10 U
cis-1,2-Dichloroethene	500 U		1000 U	6 J
1,1-Dichloroethane	500 U		1000 U	10 U
1,2-Dichloroethane	500 U		1000 U	10 U
1,1,1-Trichloroethane	2000		1600	10 U
Benzene	500 U		1000 U	10 U
Trichloroethene	12000 E	12000	9800	5 J
4-Methyl-2-Pentanone	500 U		1000 U	10 U
Toluene	500 U		1000 U	10 U
Tetrachloroethene	500 U		1000 U	10 U
Ethylbenzene	500 U		1000 U	10 U
M&P Xylene	500 U		1000 U	10 U
O Xylene	500 U		1000 U	10 U
Freon 113 (TIC)	NP		NP	NP

Sample ID:	GP-36 (7-9)	GP-36 (7-9)DL	GP-37 (3-5)	GP-37 (3-5)DL	GP-37 (7-9)
Date Collected:	1/12/97	1/12/97	1/12/97	1/12/97	1/12/97
Dilution Factor:	1 X	100 X	25 X	50 X	50 X
ug/L units					
Vinyl Chloride	10 U		250 U		500 U
n-Hexane	10 U		250 U		500 U
1,1-Dichloroethene	10 U		250 U		500 U
Methylene Chloride	10 U		250 U		500 U
trans-1,2-Dichloroethene	10 U		250 U		500 U
cis-1,2-Dichloroethene	1 J		53 J		500 U
1,1-Dichloroethane	10 U		86 J		500 U
1,2-Dichloroethane	10 U		250 U		500 U
1,1,1-Trichloroethane	4 J		670		320 J
Benzene	3 J		250 U		500 U
Trichloroethene	6 J		7400 E	7500	2800
4-Methyl-2-Pentanone	3000 E	2600	250 U		500 U
Toluene	10 U		250 U		500 U
Tetrachloroethene	7 J		65 J		500 U
Ethylbenzene	10 U		250 U		500 U
M&P Xylene	10 U		36 J		500 U
O Xylene	10 U		250 U		500 U
Freon 113 (TIC)	NP		NP		NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-85 (6-10)	GP-85 (18-21)	GP-86 (6-10)	GP-86 (12-16)	GP-86 (20-24)	GP-87 (6-10)
Date Collected:	2/9/97	2/9/97	2/9/97	2/9/97	2/10/97	2/10/97
Dilution Factor:	1 X	500 X	2 X	25 X	1 X	1 X
ug/L units						
Vinyl Chloride	10 U	5000 U	20 U	250 U	10 U	10 U
n-Hexane	10 U	5000 U	20 U	250 U	1 J	10 U
1,1-Dichloroethene	51	2300 J	6 J	31 J	2 J	10 U
Methylene Chloride	3 J	940 J	20 U	250 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	5000 U	20 U	250 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	5000 U	20 U	250 U	10 U	10 U
1,1-Dichloroethane	4 J	600 J	20 U	250 U	10 U	10 U
1,2-Dichloroethane	10 U	5000 U	20 U	250 U	10 U	10 U
1,1,1-Trichloroethane	160	6500	36	89 J	2 J	10 U
Benzene	10 U	5000 U	20 U	250 U	10 U	10 U
Trichloroethene	54	57000	260	1300	59	10 U
4-Methyl-2-Pentanone	10 U	5000 U	20 U	250 U	10 U	10 U
Toluene	2 J	5000 U	20 U	250 U	1 J	1 J
Tetrachloroethene	10 U	5000 U	10 J	150	180	10 U
Ethylbenzene	10 U	5000 U	20 U	250 U	10 U	10 U
M&P Xylene	1 J	5000 U	20 U	250 U	1 J	10 U
O Xylene	10 U	5000 U	20 U	250 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

Sample ID:	GP-87 (12-16)	GP-87 (20-24)	GP-87 (20-24)D	GP-103 (12-16)	GP-103 (20-24)
Date Collected:	2/10/97	2/10/97	2/10/97	2/12/97	2/12/97
Dilution Factor:	1 X	100 X	100 X	1 X	50 X
ug/L units					
Vinyl Chloride	10 U	1000 U	1000 U	10 U	500 U
n-Hexane	10 U	1000 U	1000 U	10 U	500 U
1,1-Dichloroethene	4 J	520 J	560 J	10 U	380 J
Methylene Chloride	12	270 J	230 J	10 U	500 U
trans-1,2-Dichloroethene	10 U	1000 U	1000 U	10 U	500 U
cis-1,2-Dichloroethene	10 U	1000 U	1000 U	10 U	500 U
1,1-Dichloroethane	7 J	510 J	580 J	10 U	280 J
1,2-Dichloroethane	10 U	1000 U	1000 U	10 U	500 U
1,1,1-Trichloroethane	10 U	1000 U	1000 U	10 U	500 U
Benzene	1 J	1000 U	1000 U	10 U	500 U
Trichloroethene	27	6200	6000	10 U	4300
4-Methyl-2-Pentanone	10 U	1000 U	1000 U	10 U	500 U
Toluene	2 J	1000 U	1000 U	10 U	500 U
Tetrachloroethene	10 U	1000 U	1000 U	10 U	500 U
Ethylbenzene	10 U	1000 U	1000 U	10 U	500 U
M&P Xylene	10 U	1000 U	1000 U	10 U	500 U
O Xylene	10 U	1000 U	1000 U	10 U	500 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-104 (12-16)	GP-104 (17-22)	GP-104 (17-22)DL
Date Collected:	2/12/97	2/12/97	2/12/97
Dilution Factor:	1 X	1 X	20 X
ug/L units			
Vinyl Chloride	10 U	2 J	
n-Hexane	10 U	10 U	
1,1-Dichloroethene	10 U	91	
Methylene Chloride	10 U	10 U	
trans-1,2-Dichloroethene	10 U	10 U	
cis-1,2-Dichloroethene	10 U	6 J	
1,1-Dichloroethane	10 U	89	
1,2-Dichloroethane	10 U	10 U	
1,1,1-Trichloroethane	10 U	10 U	
Benzene	10 U	10 U	
Trichloroethene	2 J	570 E	740
4-Methyl-2-Pentanone	10 U	10 U	
Toluene	1 J	10 U	
Tetrachloroethene	10 U	10 U	
Ethylbenzene	10 U	10 U	
M&P Xylene	10 U	10 U	
O Xylene	10 U	10 U	
Freon 113 (TIC)	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-7 (5.5-7.5)	GP-7 (12-14)	GP-7 (12-14)DL	GP-7 (18-20)	GP-7 (18-20)DL
Date Collected:	12/12/96	12/12/96	12/12/96	1/14/97	1/14/97
Dilution Factor:	1 X	1 X	10 X	1 X	10 X
ug/L units					
Vinyl Chloride	10 U	10 U		10 U	
n-Hexane	10 U	10 U		10 U	
1,1-Dichloroethene	10 U	2 J		10 U	
Methylene Chloride	10 U	10 U		10 U	
trans-1,2-Dichloroethene	11	5 J		10 U	
cis-1,2-Dichloroethene	3 J	17		33	
1,1-Dichloroethane	10 U	10 U		2 J	
1,2-Dichloroethane	10 U	10 U		10 U	
1,1,1-Trichloroethane	10 U	10 U		10 U	
Benzene	10 U	10 U		1 J	
Trichloroethene	82	730 E	670	580 E	760
4-Methyl-2-Pentanone	10 U	10 U		10 U	
Toluene	10 U	10 U		2 J	
Tetrachloroethene	10 U	10 U		10 U	
Ethylbenzene	10 U	10 U		10 U	
M&P Xylene	10 U	10 U		2 J	
O Xylene	10 U	10 U		10 U	
Freon 113 (TIC)	NP	NP		NP	

Sample ID:	GP-7 (22-24)	GP-8 (6-8)	GP-8 (12-14)	GP-8 (18-20)	GP-8 (23-25)	GP-9 (6-8)
Date Collected:	1/14/97	12/12/96	12/12/96	1/14/97	1/14/97	12/12/96
Dilution Factor:	50 X	200 X	50 X	100 X	100 X	1 X
ug/L units						
Vinyl Chloride	500 U	2000 U	57 J	1000 U	1000 U	10 U
n-Hexane	500 U	2000 U	500 U	1000 U	1000 U	10 U
1,1-Dichloroethene	500 U	2000 U	500 U	1000 U	1000 U	10 U
Methylene Chloride	500 U	2000 U	500 U	1000 U	1000 U	10 U
trans-1,2-Dichloroethene	500 U	2000 U	500 U	1000 U	1000 U	10 U
cis-1,2-Dichloroethene	61 J	2200	890	1300	2100	10 U
1,1-Dichloroethane	500 U	2000 U	500 U	1000 U	1000 U	10 U
1,2-Dichloroethane	500 U	2000 U	500 U	1000 U	1000 U	10 U
1,1,1-Trichloroethane	500 U	2000 U	500 U	1000 U	1000 U	10 U
Benzene	500 U	2000 U	500 U	1000 U	1000 U	10 U
Trichloroethene	1600	7200	1900	9200	13000	4 J
4-Methyl-2-Pentanone	500 U	2000 U	500 U	1000 U	1000 U	10 U
Toluene	500 U	2000 U	500 U	1000 U	1000 U	10 U
Tetrachloroethene	500 U	2000 U	500 U	1000 U	1000 U	10 U
Ethylbenzene	500 U	280 J	500 U	1000 U	1000 U	10 U
M&P Xylene	500 U	310 J	500 U	1000 U	1000 U	10 U
O Xylene	500 U	2000 U	500 U	1000 U	1000 U	10 U
Freon 113 (TIC)	NP	1700 J	370 J	660 J	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-9 (12-14)	GP-9 (18-20)	GP-9 (18-20)DL	GP-9 (22-24)	GP-10 (4-6)
Date Collected:	12/12/96	2/8/97	2/8/97	2/8/97	12/12/96
Dilution Factor:	50 X	5 X	20 X	50 X	1 X
ug/L units					
Vinyl Chloride	500 U	50 U		500 U	10 U
n-Hexane	500 U	50 U		500 U	10 U
1,1-Dichloroethene	500 U	50 U		500 U	10 U
Methylene Chloride	500 U	50 U		500 U	10 U
trans-1,2-Dichloroethene	500 U	50 U		500 U	10 U
cis-1,2-Dichloroethene	430 J	170		420 J	10 U
1,1-Dichloroethane	500 U	50 U		500 U	10 U
1,2-Dichloroethane	500 U	50 U		500 U	10 U
1,1,1-Trichloroethane	500 U	50 U		500 U	10 U
Benzene	500 U	50 U		500 U	10 U
Trichloroethene	6700	1500 E	1200	7700	10 U
4-Methyl-2-Pentanone	500 U	50 U		500 U	10 U
Toluene	500 U	50 U		500 U	10 U
Tetrachloroethene	500 U	50 U		500 U	10 U
Ethylbenzene	500 U	50 U		500 U	10 U
M&P Xylene	500 U	50 U		500 U	10 U
O Xylene	500 U	50 U		500 U	10 U
Freon 113 (TIC)	NP	700 J	210 J	1700 J	NP

Sample ID:	GP-10 (10-12)	GP-10 (18-21)	GP-10 (20-22)	GP-11 (27-29)	GP-11 (27-29)D	GP-12 (4-6)
Date Collected:	12/12/96	2/8/97	12/12/96	12/12/96	12/12/96	12/12/96
Dilution Factor:	1 X	1 X	1 X	1 X	1 X	5 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	50 U
n-Hexane	2 J	10 U	10 U	10 U	10 U	50 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	50 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	50 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	50 U
cis-1,2-Dichloroethene	10 U	11	10 U	10 U	10 U	21 J
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	50 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	50 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	50 U
Benzene	10 U	10 U	10 U	10 U	10 U	50 U
Trichloroethene	3 J	95	10 U	2 J	10 U	560
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	50 U
Toluene	10 U	10 U	10 U	10 U	10 U	50 U
Tetrachloroethene	10 U	10 U	10 U	1 J	10 U	50 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	50 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	50 U
O Xylene	10 U	10 U	10 U	10 U	10 U	50 U
Freon 113 (TIC)	NP	150 J	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-12 (10-12)	GP-12 (10-12)DL	GP-12 (16-18)	GP-12 (16-18)DL	GP-12 (21-23)	GP-12 (21-23)DL
Date Collected:	12/12/96	12/12/96	1/14/97	1/14/97	1/14/97	1/14/97
Dilution Factor:	20 X	100 X	5 X	20 X	1 X	20 X
ug/L units						
Vinyl Chloride	200 U		50 U		10 U	
n-Hexane	200 U		50 U		10 U	
1,1-Dichloroethene	29 J		50 U		10 U	
Methylene Chloride	200 U		50 U		10 U	
trans-1,2-Dichloroethene	200 U		50 U		3 J	
cis-1,2-Dichloroethene	310		140		130	
1,1-Dichloroethane	200 U		50 U		3 J	
1,2-Dichloroethane	200 U		50 U		10 U	
1,1,1-Trichloroethane	200 U		50 U		3 J	
Benzene	200 U		50 U		1 J	
Trichloroethene	13000 E	17000	3600 E	4000	960 E	2300
4-Methyl-2-Pentanone	200 U		50 U		10 U	
Toluene	200 U		7 J		2 J	
Tetrachloroethene	200 U		50 U		10 U	
Ethylbenzene	200 U		50 U		10 U	
M&P Xylene	200 U		50 U		10 U	
O Xylene	200 U		50 U		10 U	
Freon 113 (TIC)	NP		NP			1100 J

Sample ID:	GP-38 (8-10)	GP-38 (13-15)	GP-38 (13-15)D	GP-38 (18-20)	GP-39 (8-10)
Date Collected:	1/13/97	1/13/97	1/13/97	1/13/97	1/12/97
Dilution Factor:	5 X	10 X	10 X	1 X	1 X
ug/L units					
Vinyl Chloride	50 U	100 U	100 U	10 U	10 U
n-Hexane	50 U	100 U	100 U	10 U	10 U
1,1-Dichloroethene	50 U	100 U	100 U	10 U	10 U
Methylene Chloride	50 U	100 U	100 U	10 U	10 U
trans-1,2-Dichloroethene	50 U	100 U	100 U	10 U	10 U
cis-1,2-Dichloroethene	88	57 J	46 J	16	10 U
1,1-Dichloroethane	50 U	100 U	100 U	10 U	10 U
1,2-Dichloroethane	50 U	100 U	100 U	10 U	10 U
1,1,1-Trichloroethane	50 U	100 U	100 U	10 U	10 U
Benzene	50 U	100 U	100 U	10 U	10 U
Trichloroethene	92	580	620	150	140
4-Methyl-2-Pentanone	50 U	100 U	100 U	10 U	10 U
Toluene	50 U	100 U	100 U	10 U	10 U
Tetrachloroethene	50 U	100 U	100 U	10 U	10 U
Ethylbenzene	50 U	100 U	100 U	10 U	10 U
M&P Xylene	50 U	100 U	100 U	10 U	5 J
O Xylene	50 U	100 U	100 U	10 U	10 U
Freon 113 (TIC)	NP	80 J	170 J	NP	30 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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	GP-39	GP-39	GP-40	GP-40	GP-40
Sample ID:	(13-15)	(18-20)	(8-10)	(13-15)	(18-20)
Date Collected:	1/12/97	1/12/97	1/13/97	1/13/97	1/13/97
Dilution Factor:	1 X	1 X	1 X	10 X	100 X
ug/L units					
Vinyl Chloride	10 U	10 U	10 U	100 U	1000 U
n-Hexane	10 U	10 U	10 U	100 U	1000 U
1,1-Dichloroethene	10 U	10 U	10 U	100 U	1000 U
Methylene Chloride	10 U	10 U	10 U	100 U	1000 U
trans-1,2-Dichloroethene	10 U	10 U	2 J	100 U	1000 U
cis-1,2-Dichloroethene	3 J	10 U	6 J	44 J	200 J
1,1-Dichloroethane	10 U	10 U	10 U	100 U	1000 U
1,2-Dichloroethane	10 U	10 U	10 U	100 U	1000 U
1,1,1-Trichloroethane	10 U	10 U	10 U	100 U	1000 U
Benzene	10 U	1 J	10 U	100 U	1000 U
Trichloroethene	23	27	14	740	3600
4-Methyl-2-Pentanone	10 U	10 U	10 U	100 U	1000 U
Toluene	1 J	2 J	10 U	100 U	1000 U
Tetrachloroethene	10 U	10 U	10 U	100 U	1000 U
Ethylbenzene	10 U	10 U	2 J	100 U	1000 U
M&P Xylene	10 U	2 J	10 U	100 U	1000 U
O Xylene	10 U	10 U	10 U	100 U	1000 U
Freon 113 (TIC)	24 J	NP	97 J	260 J	2600 J

	GP-40	GP-40	GP-41	GP-41	GP-41	GP-42
Sample ID:	(22-24)	(22-24)DL	(8-10)	(13-15)	(18-20)	(8-10)
Date Collected:	1/14/97	1/14/97	1/13/97	1/13/97	1/13/97	1/13/97
Dilution Factor:	25 X	50 X	1 X	1 X	5 X	1 X
ug/L units						
Vinyl Chloride	250 U		10 U	10 U	50 U	10 U
n-Hexane	250 U		10 U	3 J	50 U	10 U
1,1-Dichloroethene	250 U		10 U	10 U	50 U	10 U
Methylene Chloride	250 U		10 U	10 U	50 U	10 U
trans-1,2-Dichloroethene	250 U		10 U	10 U	50 U	10 U
cis-1,2-Dichloroethene	280		2 J	5 J	22 J	9 J
1,1-Dichloroethane	250 U		10 U	10 U	50 U	10 U
1,2-Dichloroethane	250 U		10 U	10 U	50 U	10 U
1,1,1-Trichloroethane	250 U		10 U	10 U	50 U	10 U
Benzene	250 U		10 U	10 U	50 U	10 U
Trichloroethene	5500 E	6000	23	160	490	180
4-Methyl-2-Pentanone	250 U		10 U	10 U	50 U	10 U
Toluene	250 U		10 U	2 J	50 U	10 U
Tetrachloroethene	250 U		10 U	10 U	50 U	10 U
Ethylbenzene	250 U		10 U	10 U	50 U	10 U
M&P Xylene	250 U		10 U	2 J	50 U	10 U
O Xylene	250 U		10 U	10 U	50 U	10 U
Freon 113 (TIC)		3900 J	560 J	NP	5900 J	80 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-42 (13-15)	GP-42 (13-15)DL	GP-42 (18-20)	GP-42 (18-20)DL	GP-42 (23-25)	GP-42 (23-25)DL
Date Collected:	1/13/97	1/13/97	1/13/97	1/13/97	1/13/97	1/13/97
Dilution Factor:	2 X	5 X	5 X	50 X	5X	100 X
ug/L units						
Vinyl Chloride	20 U		50 U		50 U	
n-Hexane	20 U		50 U		50 U	
1,1-Dichloroethene	20 U		50 U		50 U	
Methylene Chloride	20 U		50 U		50 U	
trans-1,2-Dichloroethene	20 U		50 U		50 U	
cis-1,2-Dichloroethene	24		240		180	
1,1-Dichloroethane	20 U		50 U		9 J	
1,2-Dichloroethane	20 U		50 U		50 U	
1,1,1-Trichloroethane	20 U		50 U		50 U	
Benzene	20 U		50 U		50 U	
Trichloroethene	490 E	470	3500 E	5500	2500 E	3200
4-Methyl-2-Pentanone	20 U		50 U		50 U	
Toluene	20 U		50 U		50 U	
Tetrachloroethene	20 U		50 U		50 U	
Ethylbenzene	20 U		50 U		50 U	
M&P Xylene	20 U		50 U		50 U	
O Xylene	20 U		50 U		50 U	
Freon 113 (TIC)		NP		5700 J		2300 J

Sample ID:	GP-42 (28-30)	GP-43 (8-10)	GP-43 (12-16)	GP-43 (12-16)D
Date Collected:	1/13/97	1/14/97	1/14/97	1/14/97
Dilution Factor:	10 X	1 X	5 X	5 X
ug/L units				
Vinyl Chloride	100 U	10 U	50 U	50 U
n-Hexane	100 U	10 U	50 U	50 U
1,1-Dichloroethene	100 U	10 U	50 U	50 U
Methylene Chloride	100 U	10 U	50 U	50 U
trans-1,2-Dichloroethene	100 U	10 U	50 U	50 U
cis-1,2-Dichloroethene	70	7 J	44 J	45 J
1,1-Dichloroethane	100 U	10 U	50 U	50 U
1,2-Dichloroethane	100 U	10 U	50 U	50 U
1,1,1-Trichloroethane	100 U	10 U	50 U	50 U
Benzene	100 U	10 U	50 U	50 U
Trichloroethene	1200	29	250	220
4-Methyl-2-Pentanone	100 U	10 U	50 U	50 U
Toluene	100 U	2 J	50 U	50 U
Tetrachloroethene	100 U	10 U	50 U	50 U
Ethylbenzene	100 U	10 U	50 U	50 U
M&P Xylene	100 U	2 J	50 U	50 U
O Xylene	100 U	10 U	50 U	50 U
Freon 113 (TIC)	640 J	7 J	16 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-43 (19-23)	GP-44 (8-10)	GP-44 (13-15)	GP-44 (13-15)D	GP-44 (18-20)	GP-44 (18-20)DL
Date Collected:	1/14/97	1/15/97	1/15/97	1/15/97	1/15/97	1/15/97
Dilution Factor:	1 X	50 X	10 X	10 X	1 X	50 X
ug/L units						
Vinyl Chloride	10 U	500 U	100 U	100 U	10 U	
n-Hexane	10 U	500 U	100 U	100 U	10 U	
1,1-Dichloroethene	10 U	500 U	100 U	100 U	10 U	
Methylene Chloride	10 U	500 U	100 U	100 U	10 U	
trans-1,2-Dichloroethene	10 U	500 U	100 U	100 U	10 U	
cis-1,2-Dichloroethene	10 U	580	69 J	73 J	63	
1,1-Dichloroethane	10 U	500 U	100 U	100 U	10 U	
1,2-Dichloroethane	10 U	500 U	100 U	100 U	10 U	
1,1,1-Trichloroethane	10 U	500 U	100 U	100 U	10 U	
Benzene	10 U	500 U	100 U	100 U	10 U	
Trichloroethene	1 J	3900	660	670	410 E	540
4-Methyl-2-Pentanone	10 U	500 U	100 U	100 U	10 U	
Toluene	10 U	500 U	100 U	100 U	1 J	
Tetrachloroethene	10 U	500 U	100 U	100 U	10 U	
Ethylbenzene	10 U	500 U	100 U	100 U	10 U	
M&P Xylene	10 U	500 U	100 U	100 U	2 J	
O Xylene	10 U	500 U	100 U	100 U	10 U	
Freon 113 (TIC)	NP	4400 J	2000 J	1900 J		1100 J

Sample ID:	GP-44 (23-25)	GP-45 (8-10)	GP-45 (13-15)	GP-45 (18-20)	GP-46 (3-5)
Date Collected:	1/15/97	1/15/97	1/15/97	1/15/97	1/16/97
Dilution Factor:	1 X	1 X	1 X	20 X	100 X
ug/L units					
Vinyl Chloride	10 U	10 U	10 U	200 U	450 J
n-Hexane	10 U	10 U	10 U	200 U	1000 U
1,1-Dichloroethene	10 U	10 U	10 U	200 U	1000 U
Methylene Chloride	10 U	10 U	10 U	200 U	1000 U
trans-1,2-Dichloroethene	10 U	3 J	10 U	200 U	1000 U
cis-1,2-Dichloroethene	10 U	12	17	210	20000
1,1-Dichloroethane	10 U	10 U	10 U	200 U	1000 U
1,2-Dichloroethane	10 U	10 U	10 U	200 U	1000 U
1,1,1-Trichloroethane	10 U	10 U	10 U	200 U	1000 U
Benzene	10 U	10 U	10 U	200 U	1000 U
Trichloroethene	4 J	130	200	3600	5200
4-Methyl-2-Pentanone	10 U	10 U	10 U	200 U	1000 U
Toluene	1 J	1 J	1 J	200 U	1000 U
Tetrachloroethene	10 U	10 U	10 U	200 U	1000 U
Ethylbenzene	10 U	10 U	10 U	200 U	1000 U
M&P Xylene	10 U	10 U	10 U	200 U	1000 U
O Xylene	10 U	10 U	10 U	200 U	1000 U
Freon 113 (TIC)	NP	57 J	43 J	2100 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-46 (8-10)	GP-46 (8-10)DL	GP-46 (13-15)	GP-46 (13-15)DL	GP-46 (18-20)	GP-46 (18-20)DL
Date Collected:	1/15/97	1/15/97	1/15/97	1/15/97	1/15/97	1/15/97
Dilution Factor:	100 X	200 X	100 X	200 X	25 X	100 X
ug/L units						
Vinyl Chloride	1000 U		2800		3500	
n-Hexane	1000 U		1000 U		250 U	
1,1-Dichloroethene	1000 U		1000 U		350	
Methylene Chloride	1000 U		1000 U		250 U	
trans-1,2-Dichloroethene	1000 U		1000 U		250 U	
cis-1,2-Dichloroethene	4900		12000		12000 E	14000
1,1-Dichloroethane	1000 U		1000 U		250 U	
1,2-Dichloroethane	1000 U		1000 U		250 U	
1,1,1-Trichloroethane	1000 U		1000 U		250 U	
Benzene	1000 U		1000 U		250 U	
Trichloroethene	23000 E	27000	28000 E	32000	12000 E	16000
4-Methyl-2-Pentanone	1000 U		1000 U		250 U	
Toluene	1000 U		120 J		140 J	
Tetrachloroethene	1000 U		1000 U		250 U	
Ethylbenzene	1000 U		1000 U		250 U	
M&P Xylene	1000 U		1000 U		250 U	
O Xylene	1000 U		1000 U		250 U	
Freon 113 (TIC)	NP		NP		NP	

Sample ID:	GP-46 (23-25)	GP-46 (28-30)	GP-46 (28-30)D	GP-47 (3-5)	GP-47 (8-10)	GP-47 (8-10)DL
Date Collected:	1/15/97	1/15/97	1/15/97	1/15/97	1/15/97	1/15/97
Dilution Factor:	5 X	1 X	1 X	250 X	500 X	2000 X
ug/L units						
Vinyl Chloride	26 J	10 U	10 U	2500 U	5000 U	
n-Hexane	50 U	10 U	10 U	2500 U	5000 U	
1,1-Dichloroethene	9 J	10 U	10 U	2500 U	5000 U	
Methylene Chloride	50 U	10 U	10 U	2500 U	5000 U	
trans-1,2-Dichloroethene	50 U	10 U	10 U	2500 U	5000 U	
cis-1,2-Dichloroethene	210	6 J	5 J	2300 J	4400 J	
1,1-Dichloroethane	12 J	10 U	10 U	2500 U	5000 U	
1,2-Dichloroethane	50 U	10 U	10 U	2500 U	5000 U	
1,1,1-Trichloroethane	8 J	10 U	10 U	2500 U	5000 U	
Benzene	50 U	10 U	10 U	2500 U	5000 U	
Trichloroethene	710	30	24	17000	180000 E	210000
4-Methyl-2-Pentanone	50 U	10 U	10 U	2500 U	5000 U	
Toluene	50 U	10 U	10 U	2500 U	5000 U	
Tetrachloroethene	50 U	10 U	10 U	2500 U	5000 U	
Ethylbenzene	50 U	10 U	10 U	2500 U	5000 U	
M&P Xylene	50 U	10 U	10 U	2500 U	5000 U	
O Xylene	50 U	10 U	10 U	2500 U	5000 U	
Freon 113 (TIC)	NP	NP	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-80 (9-11)	GP-80 (14-16)	GP-80 (19-22)	GP-81 (9-11)	GP-81 (14-16)
Date Collected:	2/8/97	2/8/97	2/8/97	2/8/97	2/8/97
Dilution Factor:	1 X	1 X	100 X	10 X	25 X
ug/L units					
Vinyl Chloride	10 U	10 U	1000 U	100 U	250 U
n-Hexane	10 U	10 U	1000 U	100 U	250 U
1,1-Dichloroethene	10 U	10 U	1000 U	100 U	250 U
Methylene Chloride	10 U	10 U	1000 U	100 U	250 U
trans-1,2-Dichloroethene	10 U	10 U	1000 U	100 U	250 U
cis-1,2-Dichloroethene	1 J	6 J	240 J	34 J	110 J
1,1-Dichloroethane	10 U	10 U	1000 U	100 U	250 U
1,2-Dichloroethane	10 U	10 U	1000 U	100 U	250 U
1,1,1-Trichloroethane	10 U	10 U	1000 U	100 U	250 U
Benzene	10 U	10 U	1000 U	100 U	250 U
Trichloroethene	3 J	12	9200	600	940
4-Methyl-2-Pentanone	10 U	10 U	1000 U	100 U	250 U
Toluene	10 U	1 J	1000 U	100 U	250 U
Tetrachloroethene	11	8 J	1000 U	100 U	250 U
Ethylbenzene	10 U	10 U	1000 U	100 U	250 U
M&P Xylene	10 U	10 U	1000 U	100 U	250 U
O Xylene	10 U	10 U	1000 U	100 U	250 U
Freon 113 (TIC)	NP	NP	2200 J	NP	NP

Sample ID:	GP-81 (18-20)	GP-81 (22-24)	GP-88 (3-5)	GP-88 (3-5)DL	GP-88 (7-9)	GP-88 (7-9)DL
Date Collected:	2/8/97	2/8/97	2/10/97	2/10/97	2/10/97	2/10/97
Dilution Factor:	200 X	200 X	200 X	500 X	200 X	500 X
ug/L units						
Vinyl Chloride	2000 U	2000 U	2000 U		1000 J	
n-Hexane	2000 U	2000 U	2000 U		2000 U	
1,1-Dichloroethene	2000 U	2000 U	2000 U		240 J	
Methylene Chloride	2000 U	2000 U	2000 U		2000 U	
trans-1,2-Dichloroethene	2000 U	2000 U	2000 U		2000 U	
cis-1,2-Dichloroethene	510 J	950 J	35000		27000	
1,1-Dichloroethane	2000 U	2000 U	200 J		2000 U	
1,2-Dichloroethane	2000 U	2000 U	2000 U		2000 U	
1,1,1-Trichloroethane	2000 U	2000 U	2000		1300 J	
Benzene	2000 U	2000 U	2000 U		2000 U	
Trichloroethene	13000	20000	71000 E	46000	58000 E	36000
4-Methyl-2-Pentanone	2000 U	2000 U	2000 U		2000 U	
Toluene	2000 U	2000 U	2000 U		2000 U	
Tetrachloroethene	2000 U	2000 U	2000 U		2000 U	
Ethylbenzene	2000 U	2000 U	2000 U		2000 U	
M&P Xylene	2000 U	2000 U	2000 U		2000 U	
O Xylene	2000 U	2000 U	2000 U		2000 U	
Freon 113 (TIC)	NP	1800 J	NP		NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	* GP-89 (3-5)	GP-89 (7-9)	GP-89 (7-9)DL	GP-90 (3-5)	GP-90 (8-10)	GP-90 (14-16)
Date Collected:	2/11/97	2/10/97	2/10/97	2/10/97	2/10/97	2/10/97
Dilution Factor:	1 X	200 X	1000 X	500 X	500 X	500 X
ug/L units						
Vinyl Chloride	10 U	2000 U		5000 U	5000 U	2400 J
n-Hexane	10 U	2000 U		5000 U	5000 U	5000 U
1,1-Dichloroethene	10 U	2000 U		5000 U	5000 U	5000 U
Methylene Chloride	10 U	2000 U		5000 U	5000 U	5000 U
trans-1,2-Dichloroethene	10 U	2000 U		5000 U	5000 U	5000 U
cis-1,2-Dichloroethene	150	2900		11000	27000	41000
1,1-Dichloroethane	10 U	2000 U		5000 U	5000 U	5000 U
1,2-Dichloroethane	10 U	2000 U		5000 U	5000 U	5000 U
1,1,1-Trichloroethane	2 J	2000 U		5000 U	5000 U	5000 U
Benzene	10 U	2000 U		5000 U	5000 U	5000 U
Trichloroethene	930 E	42000 E	53000	15000	39000	16000
4-Methyl-2-Pentanone	10 U	2000 U		5000 U	5000 U	5000 U
Toluene	10 U	2000 U		5000 U	5000 U	5000 U
Tetrachloroethene	20	2000 U		5000 U	5000 U	5000 U
Ethylbenzene	10 U	2000 U		5000 U	5000 U	5000 U
M&P Xylene	1 JB	2000 U		5000 U	5000 U	5000 U
O Xylene	10 U	2000 U		5000 U	5000 U	5000 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	NP

(*) Given the amount of sample collected, no serial dilution was analyzed.

Sample ID:	GP-91 (3-6)	GP-91 (8-10)	GP-91 (8-10)D	GP-91 (14-16)	GP-91 (20-22)	GP-91 (25-27)
Date Collected:	2/10/97	2/10/97	2/10/97	2/10/97	2/10/97	2/10/97
Dilution Factor:	5 X	5 X	5 x	100 X	25 X	5 X
ug/L units						
Vinyl Chloride	50 U	50 U	50 U	1000 U	250 U	50 U
n-Hexane	50 U	50 U	50 U	1000 U	250 U	50 U
1,1-Dichloroethene	50 U	50 U	50 U	1000 U	250 U	50 U
Methylene Chloride	50 U	50 U	50 U	1000 U	49 J	50 U
trans-1,2-Dichloroethene	50 U	50 U	50 U	1000 U	250 U	50 U
cis-1,2-Dichloroethene	18 J	36 J	33 J	1000 U	230 J	68
1,1-Dichloroethane	50 U	50 U	50 U	1000 U	250 U	5 J
1,2-Dichloroethane	50 U	50 U	50 U	1000 U	250 U	50 U
1,1,1-Trichloroethane	50 U	50 U	50 U	1000 U	250 U	50 U
Benzene	50 U	50 U	50 U	1000 U	250 U	50 U
Trichloroethene	150	770	910	2000	1800	200
4-Methyl-2-Pentanone	50 U	50 U	50 U	1000 U	250 U	50 U
Toluene	50 U	50 U	50 U	1000 U	250 U	50 U
Tetrachloroethene	50 U	50 U	50 U	1000 U	250 U	50 U
Ethylbenzene	50 U	50 U	50 U	1000 U	250 U	50 U
M&P Xylene	50 U	50 U	50 U	1000 U	250 U	50 U
O Xylene	50 U	50 U	50 U	1000 U	250 U	50 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	39 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-92 (7-10)	GP-92 (13-16)	GP-92 (19-21)	GP-92 (25-27)	GP-93 (3-5)
Date Collected:	2/11/97	2/11/97	2/18/97	2/18/97	2/11/97
Dilution Factor:	2500 X	1000 X	250 X	20 X	50 X
ug/L units					
Vinyl Chloride	25000 U	10000 U	2500 U	200 U	500 U
n-Hexane	25000 U	10000 U	2500 U	200 U	500 U
1,1-Dichloroethene	25000 U	10000 U	2500 U	200 U	500 U
Methylene Chloride	25000 U	10000 U	2500 U	200 U	500 U
trans-1,2-Dichloroethene	25000 U	10000 U	2500 U	200 U	500 U
cis-1,2-Dichloroethene	5400 J	1700 J	1700 J	48 J	1200
1,1-Dichloroethane	25000 U	10000 U	2500 U	200 U	500 U
1,2-Dichloroethane	25000 U	10000 U	2500 U	200 U	500 U
1,1,1-Trichloroethane	25000 U	10000 U	2500 U	200 U	500 U
Benzene	25000 U	10000 U	2500 U	200 U	500 U
Trichloroethene	130000	57000	12000	650	4300
4-Methyl-2-Pentanone	25000 U	10000 U	2500 U	200 U	500 U
Toluene	25000 U	10000 U	2500 U	200 U	500 U
Tetrachloroethene	25000 U	10000 U	2500 U	200 U	500 U
Ethylbenzene	25000 U	10000 U	2500 U	200 U	500 U
M&P Xylene	25000 U	10000 U	2500 U	200 U	500 U
O Xylene	25000 U	10000 U	2500 U	200 U	500 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Sample ID:	GP-94 (3-5)	GP-95 (3-5)	GP-95 (8-10)	GP-95 (8-10)D	GP-95 (13-15)
Date Collected:	2/11/97	2/11/97	2/13/96	2/13/96	2/13/96
Dilution Factor:	20 X	20 X	500 X	500 X	250 X
ug/L units					
Vinyl Chloride	200 U	200 U	1000 J	990 J	780 J
n-Hexane	200 U	200 U	5000 U	5000 U	2500 U
1,1-Dichloroethene	200 U	200 U	5000 U	5000 U	2500 U
Methylene Chloride	200 U	200 U	5000 U	5000 U	2500 U
trans-1,2-Dichloroethene	200 U	200 U	5000 U	5000 U	2500 U
cis-1,2-Dichloroethene	160 J	1900	39000	36000	15000
1,1-Dichloroethane	200 U	200 U	5000 U	5000 U	2500 U
1,2-Dichloroethane	200 U	200 U	5000 U	5000 U	2500 U
1,1,1-Trichloroethane	200 U	200 U	5000 U	5000 U	2500 U
Benzene	200 U	200 U	5000 U	5000 U	2500 U
Trichloroethene	1500	1100	30000	24000	16000
4-Methyl-2-Pentanone	200 U	200 U	5000 U	5000 U	2500 U
Toluene	200 U	200 U	5000 U	5000 U	2500 U
Tetrachloroethene	200 U	200 U	5000 U	5000 U	2500 U
Ethylbenzene	200 U	200 U	5000 U	5000 U	2500 U
M&P Xylene	200 U	200 U	5000 U	5000 U	2500 U
O Xylene	200 U	200 U	5000 U	5000 U	2500 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-95 (18-20)	GP-95 (25-27)	GP-96 (3-5)	GP-97 (5-8)	GP-97 (12-14)	GP-97 (18-20)
Date Collected:	2/13/96	2/13/96	2/11/97	2/11/97	2/11/97	2/11/97
Dilution Factor:	50 X	100 X	250 X	1 X	2 X	50 X
ug/L units						
Vinyl Chloride	210 J	120 J	2500 U	10 U	20 U	500 U
n-Hexane	500 U	1000 U	2500 U	10 U	20 U	500 U
1,1-Dichloroethene	500 U	1000 U	2500 U	10 U	20 U	500 U
Methylene Chloride	500 U	1000 U	2500 U	10 U	20 U	500 U
trans-1,2-Dichloroethene	500 U	1000 U	2500 U	10 U	20 U	500 U
cis-1,2-Dichloroethene	4100	2500	10000	10 U	6 J	460 J
1,1-Dichloroethane	500 U	1000 U	2500 U	10 U	20 U	500 U
1,2-Dichloroethane	500 U	1000 U	2500 U	10 U	20 U	500 U
1,1,1-Trichloroethane	500 U	1000 U	2500 U	10 U	20 U	500 U
Benzene	500 U	1000 U	2500 U	10 U	20 U	500 U
Trichloroethene	4400	2400	14000	7 J	300	4900
4-Methyl-2-Pentanone	500 U	1000 U	2500 U	10 U	20 U	500 U
Toluene	500 U	1000 U	2500 U	10 U	20 U	500 U
Tetrachloroethene	500 U	1000 U	2500 U	10 U	20 U	500 U
Ethylbenzene	500 U	1000 U	2500 U	10 U	20 U	500 U
M&P Xylene	500 U	1000 U	340 J	10 U	20 U	500 U
O Xylene	500 U	1000 U	2500 U	10 U	20 U	500 U
Freon 113 (TIC)	NP	NP	NP	NP	NP	1700 J

Sample ID:	GP-97 (22-24)	GP-98 (7-10)	GP-99 (7-10)	GP-99 (7-10)DL	GP-100 (7-10)	GP-100 (12-15)
Date Collected:	2/11/97	2/11/97	2/11/97	2/11/97	2/11/97	2/13/96
Dilution Factor:	50 X	2 X	500 X	1000X	20 X	200 X
ug/L units						
Vinyl Chloride	500 U	20 U	5000 U		200 U	2000 U
n-Hexane	500 U	20 U	5000 U		200 U	2000 U
1,1-Dichloroethene	500 U	20 U	5000 U		200 U	2000 U
Methylene Chloride	500 U	20 U	5000 U		200 U	2000 U
trans-1,2-Dichloroethene	500 U	20 U	5000 U		200 U	2000 U
cis-1,2-Dichloroethene	250 J	3 J	5000 U		170 J	390 J
1,1-Dichloroethane	500 U	20 U	5000 U		200 U	2000 U
1,2-Dichloroethane	500 U	20 U	5000 U		200 U	2000 U
1,1,1-Trichloroethane	500 U	20 U	5000 U		200 U	2000 U
Benzene	500 U	20 U	5000 U		200 U	2000 U
Trichloroethene	2400	140	210000 E	200000	1900	8500
4-Methyl-2-Pentanone	500 U	20 U	5000 U		200 U	2000 U
Toluene	500 U	20 U	5000 U		200 U	2000 U
Tetrachloroethene	500 U	20 U	5000 U		36 J	2000 U
Ethylbenzene	500 U	20 U	5000 U		200 U	2000 U
M&P Xylene	500 U	20 U	5000 U		200 U	2000 U
O Xylene	500 U	20 U	5000 U		200 U	2000 U
Freon 113 (TIC)	490 J	NP	NP		NP	2800 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-100 (18-20)	GP-107 (3-5)	GP-107 (8-10)	GP-107 (14-16)	GP-107 (20.5-22.5)
Date Collected:	2/13/96	2/13/96	2/13/96	2/13/96	2/13/96
Dilution Factor:	200 X	1 X	1 X	2 X	1 X
ug/L units					
Vinyl Chloride	2000 U	10 U	10 U	22	10 U
n-Hexane	2000 U	10 U	10 U	20 U	10 U
1,1-Dichloroethene	2000 U	10 U	10 U	20 U	10 U
Methylene Chloride	2000 U	10 U	10 U	20 U	10 U
trans-1,2-Dichloroethene	2000 U	10 U	10 U	20 U	10 U
cis-1,2-Dichloroethene	410 J	5 J	2 J	100	12
1,1-Dichloroethane	2000 U	10 U	10 U	20 U	10 U
1,2-Dichloroethane	2000 U	10 U	10 U	20 U	10 U
1,1,1-Trichloroethane	2000 U	10 U	10 U	3 J	10 U
Benzene	2000 U	10 U	10 U	20 U	10 U
Trichloroethene	8300	14	8 J	96	35
4-Methyl-2-Pentanone	2000 U	10 U	10 U	20 U	10 U
Toluene	2000 U	10 U	10 U	20 U	10 U
Tetrachloroethene	2000 U	3 J	9 J	7 J	10 U
Ethylbenzene	2000 U	10 U	10 U	20 U	10 U
M&P Xylene	2000 U	10 U	10 U	20 U	10 U
O Xylene	2000 U	10 U	10 U	20 U	10 U
Freon 113 (TIC)	2700 J	NP	NP	NP	NP

Sample ID:	GP-108 (3-6)	GP-108 (8-10)	GP-108 (14-16)	GP-108 (20-22)	GP-109 (3-6)	GP-109 (3-6)DL
Date Collected:	2/13/96	2/13/96	2/13/96	2/13/96	2/13/96	2/13/96
Dilution Factor:	1 X	1 X	1 X	1 X	5 X	20 X
ug/L units						
Vinyl Chloride	10 U	10 U	10 U	10 U	50 U	
n-Hexane	10 U	10 U	10 U	10 U	50 U	
1,1-Dichloroethene	10 U	10 U	10 U	10 U	50 U	
Methylene Chloride	10 U	10 U	10 U	10 U	50 U	
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	50 U	
cis-1,2-Dichloroethene	4 J	3 J	5 J	5 J	40 J	
1,1-Dichloroethane	10 U	10 U	10 U	10 U	50 U	
1,2-Dichloroethane	10 U	10 U	10 U	10 U	50 U	
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	50 U	
Benzene	10 U	10 U	10 U	10 U	50 U	
Trichloroethene	13	9 J	17	9 J	1300 E	1200
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	50 U	
Toluene	10 U	10 U	10 U	10 U	50 U	
Tetrachloroethene	10 U	10 U	10 U	10 U	50 U	
Ethylbenzene	10 U	10 U	10 U	10 U	50 U	
M&P Xylene	10 U	10 U	10 U	10 U	50 U	
O Xylene	10 U	10 U	10 U	10 U	50 U	
Freon 113 (TIC)	NP	NP	NP	NP	NP	

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-109 (8-10)	GP-109 (8-10)DL	GP-109 (14-16)	GP-109 (18-20)
Date Collected:	2/13/96	2/13/96	2/13/96	2/13/96
Dilution Factor:	5 X	10 X	20 X	1 X
ug/L units				
Vinyl Chloride	50 U		200 U	10 U
n-Hexane	50 U		200 U	10 U
1,1-Dichloroethene	6 J		200 U	10 U
Methylene Chloride	50 U		200 U	10 U
trans-1,2-Dichloroethene	50 U		200 U	10 U
cis-1,2-Dichloroethene	110		200 J	5 J
1,1-Dichloroethane	50 U		200 U	10 U
1,2-Dichloroethane	50 U		200 U	10 U
1,1,1-Trichloroethane	50 U		200 U	10 U
Benzene	50 U		200 U	10 U
Trichloroethene	1100 E	1400	870	25
4-Methyl-2-Pentanone	50 U		200 U	10 U
Toluene	50 U		200 U	10 U
Tetrachloroethene	50 U		200 U	10 U
Ethylbenzene	50 U		200 U	10 U
M&P Xylene	50 U		200 U	10 U
O Xylene	50 U		200 U	10 U
Freon 113 (TIC)	NP		NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-48 (14-17)	GP-48 (14-17)DL	GP-48 (18-21)	GP-48 (18-21)DL
Date Collected:	2/4/97	2/4/97	2/4/97	2/4/97
Dilution Factor:	1 X	5 X	1 X	5 X
ug/L units				
Vinyl Chloride	10 U		10 U	
n-Hexane	10 U		10 U	
1,1-Dichloroethene	10 U		10 U	
Methylene Chloride	10 U		10 U	
trans-1,2-Dichloroethene	10 U		10 U	
cis-1,2-Dichloroethene	27		31	
1,1-Dichloroethane	3 J		3 J	
1,2-Dichloroethane	10 U		10 U	
1,1,1-Trichloroethane	1 J		2 J	
Benzene	10 U		10 U	
Trichloroethene	250 E	280	340 E	210
4-Methyl-2-Pentanone	10 U		10 U	
Toluene	1 J		1 J	
Tetrachloroethene	10 U		2 J	
Ethylbenzene	10 U		10 U	
M&P Xylene	10 U		10 U	
O Xylene	10 U		10 U	
Freon 113 (TIC)		160 J		130 J

Sample ID:	GP-49 (14-16)	GP-49 (17-19)	GP-49 (19-21)	GP-50 (14-16)
Date Collected:	2/4/97	2/4/97	2/4/97	2/4/97
Dilution Factor:	1 X	1 X	1 X	1 X
ug/L units				
Vinyl Chloride	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	1 J
Trichloroethene	10 U	1 J	10 U	1 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
Toluene	2 J	1 J	10 U	2 J
Tetrachloroethene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
M&P Xylene	2 J	1 J	10 U	1 J
O Xylene	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-50 (17-19)	GP-50 (20-22)	GP-50 (22-24)	GP-50 (22-24)DL
Date Collected:	2/4/97	2/4/97	2/4/97	2/4/97
Dilution Factor:	1 X	25 X	1 X	25 X
ug/L units				
Vinyl Chloride	10 U	250 U	14	
n-Hexane	10 U	250 U	10 U	
1,1-Dichloroethene	10 U	250 U	14	
Methylene Chloride	10 U	250 U	10 U	
trans-1,2-Dichloroethene	10 U	250 U	3 J	
cis-1,2-Dichloroethene	10 U	240 J	270 E	290
1,1-Dichloroethane	10 U	250 U	30	
1,2-Dichloroethane	10 U	250 U	10 U	
1,1,1-Trichloroethane	10 U	480	470 E	500
Benzene	2 J	250 U	10 U	
Trichloroethene	26	1600	1100 E	1900
4-Methyl-2-Pentanone	10 U	250 U	10 U	
Toluene	3 J	250 U	2 J	
Tetrachloroethene	10 U	250 U	10 U	
Ethylbenzene	10 U	250 U	10 U	
M&P Xylene	2 J	250 U	10 U	
O Xylene	10 U	250 U	6 J	
Freon 113 (TIC)	NP	240 J		170 J

Sample ID:	GP-51 (14-16)	GP-51 (17-19)	GP-51 (20-22)	GP-52 (14-16)
Date Collected:	2/4/97	2/4/97	2/4/97	2/4/97
Dilution Factor:	1 X	1 X	25 X	1 X
ug/L units				
Vinyl Chloride	10 U	10 U	250 U	10 U
n-Hexane	10 U	10 U	250 U	10 U
1,1-Dichloroethene	10 U	10 U	250 U	10 U
Methylene Chloride	10 U	10 U	250 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	250 U	10 U
cis-1,2-Dichloroethene	10 U	4 J	180 J	7 J
1,1-Dichloroethane	10 U	10 U	250 U	10 U
1,2-Dichloroethane	10 U	10 U	250 U	10 U
1,1,1-Trichloroethane	10 U	10 U	75 J	10 U
Benzene	1 J	10 U	250 U	10 U
Trichloroethene	6 J	14	1400	110
4-Methyl-2-Pentanone	10 U	10 U	250 U	10 U
Toluene	2 J	2 J	250 U	1 J
Tetrachloroethene	10 U	2 J	250 U	32
Ethylbenzene	10 U	10 U	250 U	10 U
M&P Xylene	2 J	1 J	250 U	10 U
O Xylene	10 U	10 U	250 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-52 (17-19)	GP-52 (20-22)	GP-53 (6-8)	GP-53 (8-10)
Date Collected:	2/4/97	2/4/97	2/4/97	2/4/97
Dilution Factor:	20 X	100 X	250 X	250 X
ug/L units				
Vinyl Chloride	200 U	1000 U	2000 J	2400 J
n-Hexane	200 U	1000 U	2500 U	2500 U
1,1-Dichloroethene	200 U	1000 U	2500 U	2500 U
Methylene Chloride	200 U	1000 U	2500 U	2500 U
trans-1,2-Dichloroethene	200 U	1000 U	2500 U	2500 U
cis-1,2-Dichloroethene	120 J	720 J	22000	26000
1,1-Dichloroethane	200 U	1000 U	2500 U	2500 U
1,2-Dichloroethane	200 U	1000 U	2500 U	2500 U
1,1,1-Trichloroethane	200 U	1000 U	1900 J	2300 J
Benzene	200 U	1000 U	2500 U	2500 U
Trichloroethene	850	4800	19000	27000
4-Methyl-2-Pentanone	200 U	1000 U	2500 U	2500 U
Toluene	200 U	1000 U	2500 U	2500 U
Tetrachloroethene	200 U	1000 U	2500 U	2500 U
Ethylbenzene	200 U	1000 U	2500 U	2500 U
M&P Xylene	200 U	1000 U	2500 U	2500 U
O Xylene	200 U	1000 U	2500 U	2500 U
Freon 113 (TIC)	NP	NP	NP	NP

Sample ID:	GP-53 (14-16)	GP-53 (16-18)	GP-54 (8-10)	GP-54 (10-12)
Date Collected:	2/4/97	2/4/97	2/5/97	2/5/97
Dilution Factor:	250 X	250 X	1 X	1 X
ug/L units				
Vinyl Chloride	1700 J	1400 J	10 U	10 U
n-Hexane	2500 U	2500 U	10 U	10 U
1,1-Dichloroethene	2500 U	2500 U	10 U	10 U
Methylene Chloride	2500 U	2500 U	10 U	10 U
trans-1,2-Dichloroethene	2500 U	2500 U	10 U	10 U
cis-1,2-Dichloroethene	19000	14000	10 U	10 U
1,1-Dichloroethane	2500 U	2500 U	10 U	1 J
1,2-Dichloroethane	2500 U	2500 U	10 U	10 U
1,1,1-Trichloroethane	3100	2900	22	45
Benzene	2500 U	2500 U	10 U	10 U
Trichloroethene	25000	17000	54	100
4-Methyl-2-Pentanone	2500 U	2500 U	10 U	10 U
Toluene	2500 U	2500 U	10 U	10 U
Tetrachloroethene	2500 U	2500 U	10 U	10 U
Ethylbenzene	2500 U	2500 U	10 U	10 U
M&P Xylene	2500 U	2500 U	10 U	10 U
O Xylene	2500 U	2500 U	10 U	10 U
Freon 113 (TIC)	NP	1300 J	NP	600 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-54 (14-16)	GP-54 (14-16)DL	GP-54 (17-19)	GP-54 (19-21)	GP-55 (9-11)
Date Collected:	2/5/97	2/5/97	2/5/97	2/5/97	2/5/97
Dilution Factor:	1 X	10X	1 X	1 X	20 X
ug/L units					
Vinyl Chloride	10 U		10 U	10 U	200 U
n-Hexane	10 U		10 U	10 U	200 U
1,1-Dichloroethene	4 J		18	12	70 J
Methylene Chloride	10 U		10 U	10 U	200 U
trans-1,2-Dichloroethene	10 U		10 U	10 U	200 U
cis-1,2-Dichloroethene	2 J		4 J	3 J	70 J
1,1-Dichloroethane	1 J		45	40	20 J
1,2-Dichloroethane	10 U		10 U	10 U	200 U
1,1,1-Trichloroethane	78		15	8 J	1500
Benzene	3 J		22	17	200 U
Trichloroethene	300 E	310	200	120	3400
4-Methyl-2-Pentanone	10 U		10 U	10 U	200 U
Toluene	1 J		1 J	10 U	200 U
Tetrachloroethene	10 U		10 U	10 U	200 U
Ethylbenzene	10 U		10 U	10 U	200 U
M&P Xylene	10 U		10 U	10 U	200 U
O Xylene	10 U		10 U	10 U	200 U
Freon 113 (TIC)		310 J	NP	NP	NP

Sample ID:	GP-55 (16-18)	GP-55 (20-22)	GP-56 (9-11)	GP-56 (9-11)D	GP-56 (12-14)
Date Collected:	2/5/97	2/5/97	2/5/97	2/5/97	2/5/97
Dilution Factor:	40 X	40 X	5 X	5 X	10 X
ug/L units					
Vinyl Chloride	400 U	400 U	180	170	180
n-Hexane	400 U	400 U	50 U	50 U	100 U
1,1-Dichloroethene	65 J	90 J	50 U	50 U	100 U
Methylene Chloride	400 U	400 U	50 U	50 U	100 U
trans-1,2-Dichloroethene	400 U	400 U	8 J	11 J	100 U
cis-1,2-Dichloroethene	48 J	53 J	630	590	640
1,1-Dichloroethane	61 J	44 J	50 U	50 U	100 U
1,2-Dichloroethane	400 U	400 U	50 U	50 U	100 U
1,1,1-Trichloroethane	790	1200	50 U	50 U	100 U
Benzene	400 U	400 U	50 U	50 U	100 U
Trichloroethene	3300	4100	140	130	150
4-Methyl-2-Pentanone	400 U	400 U	50 U	50 U	100 U
Toluene	400 U	400 U	50 U	50 U	100 U
Tetrachloroethene	400 U	400 U	160	130	160
Ethylbenzene	400 U	400 U	50 U	50 U	100 U
M&P Xylene	400 U	400 U	50 U	50 U	100 U
O Xylene	400 U	400 U	50 U	50 U	100 U
Freon 113 (TIC)	830 J	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-56 (16-18)	GP-56 (16-18)DL	GP-56 (19-21)	GP-57 (9-11)	GP-57 (12-14)
Date Collected:	2/5/97	2/5/97	2/5/97	2/5/97	2/5/97
Dilution Factor:	10 X	100 X	250 X	2 X	20 X
ug/L units					
Vinyl Chloride	850		700 J	8 J	200 U
n-Hexane	100 U		2500 U	20 U	200 U
1,1-Dichloroethene	32		2500 U	20 U	200 U
Methylene Chloride	100 U		2500 U	20 U	200 U
trans-1,2-Dichloroethene	100 U		2500 U	20 U	200 U
cis-1,2-Dichloroethene	6300 E	6900	7000	6 J	200 U
1,1-Dichloroethane	22 J		2500 U	5 J	200 U
1,2-Dichloroethane	100 U		2500 U	20 U	200 U
1,1,1-Trichloroethane	590		1400 J	50	350
Benzene	100 U		2500 U	3 J	200 U
Trichloroethene	6200 E	8000	9700	170	1400
4-Methyl-2-Pentanone	100 U		2500 U	20 U	200 U
Toluene	100 U		2500 U	3 J	200 U
Tetrachloroethene	120		2500 U	20 U	200 U
Ethylbenzene	100 U		2500 U	20 U	200 U
M&P Xylene	100 U		2500 U	2 J	200 U
O Xylene	2 J		2500 U	20 U	200 U
Freon 113 (TIC)	NP		NP	180 J	1700 J

Sample ID:	GP-57 (14-16)	GP-58 (9-11)	GP-58 (16-18)	GP-56 (20-22)	GP-59 (9-11)
Date Collected:	2/5/97	2/5/97	2/5/97	2/5/97	2/5/97
Dilution Factor:	40 X	5 X	100 X	250 X	1 X
ug/L units					
Vinyl Chloride	400 U	190	1000 U	2500 U	62
n-Hexane	400 U	50 U	1000 U	2500 U	10 U
1,1-Dichloroethene	400 U	50 U	1000 U	2500 U	10 U
Methylene Chloride	400 U	50 U	1000 U	2500 U	10 U
trans-1,2-Dichloroethene	400 U	50 U	1000 U	2500 U	10 U
cis-1,2-Dichloroethene	400 U	58	360 J	450 J	65
1,1-Dichloroethane	400 U	50 U	1000 U	2500 U	3 J
1,2-Dichloroethane	400 U	50 U	1000 U	2500 U	10 U
1,1,1-Trichloroethane	510	50 U	2300	2500	2 J
Benzene	400 U	50 U	1000 U	2500 U	10 U
Trichloroethene	2100	87	7800	7700	27
4-Methyl-2-Pentanone	400 U	50 U	1000 U	2500 U	10 U
Toluene	400 U	50 U	1000 U	2500 U	10 U
Tetrachloroethene	400 U	50 U	1000 U	2500 U	3 J
Ethylbenzene	400 U	50 U	1000 U	2500 U	10 U
M&P Xylene	400 U	50 U	1000 U	2500 U	10 U
O Xylene	400 U	50 U	1000 U	2500 U	10 U
Freon 113 (TIC)	1700 J	NP	1500 J	NP	6 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-59 (12-14)	GP-59 (16-18)	GP-59 (17.5-19.5)	GP-60 (9-11)
Date Collected:	2/5/97	2/5/97	2/5/97	2/6/97
Dilution Factor:	100 X	100 X	100 X	10 X
ug/L units				
Vinyl Chloride	1200	660 J	200 J	1300
n-Hexane	1000 U	1000 U	1000 U	100 U
1,1-Dichloroethene	1000 U	130 J	380 J	35 J
Methylene Chloride	1000 U	1000 U	1000 U	100 U
trans-1,2-Dichloroethene	1000 U	1000 U	1000 U	100 U
cis-1,2-Dichloroethene	2500	3900	1200	1300
1,1-Dichloroethane	1000 U	1000 U	1000 U	100 U
1,2-Dichloroethane	1000 U	1000 U	1000 U	100 U
1,1,1-Trichloroethane	710 J	2700	6700	49 J
Benzene	1000 U	1000 U	1000 U	100 U
Trichloroethene	3400	7700	14000	1300
4-Methyl-2-Pentanone	1000 U	1000 U	1000 U	100 U
Toluene	1000 U	1000 U	1000 U	100 U
Tetrachloroethene	1000 U	1000 U	1000 U	100 U
Ethylbenzene	1000 U	1000 U	1000 U	100 U
M&P Xylene	1000 U	1000 U	1000 U	100 U
O Xylene	1000 U	1000 U	1000 U	100 U
Freon 113 (TIC)	NP	NP	NP	NP

Sample ID:	GP-60 (12-14)	GP-60 (12-14)D	GP-60 (16-18)	GP-60 (16-18)DL	GP-60 (17.5-19.5)
Date Collected:	2/6/97	2/6/97	2/6/97	2/6/97	2/6/97
Dilution Factor:	20 X	20 X	20 X	50 X	50 X
ug/L units					
Vinyl Chloride	250	230	200 U		500 U
n-Hexane	200 U	200 U	200 U		500 U
1,1-Dichloroethene	48 J	55 J	220		260 J
Methylene Chloride	200 U	200 U	200 U		500 U
trans-1,2-Dichloroethene	200 U	200 U	200 U		500 U
cis-1,2-Dichloroethene	340	320	73 J		76 J
1,1-Dichloroethane	200 U	200 U	510		540
1,2-Dichloroethane	200 U	200 U	200 U		500 U
1,1,1-Trichloroethane	1200	1400	810		640
Benzene	200 U	200 U	57 J		68 J
Trichloroethene	3600	3700	4100 E	4300	4600
4-Methyl-2-Pentanone	200 U	200 U	200 U		500 U
Toluene	200 U	200 U	200 U		500 U
Tetrachloroethene	200 U	200 U	200 U		500 U
Ethylbenzene	200 U	200 U	200 U		500 U
M&P Xylene	200 U	200 U	200 U		500 U
O Xylene	200 U	200 U	200 U		500 U
Freon 113 (TIC)	NP	NP		370 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-61 (9-11)	GP-61 (9-11)DL	GP-61 (13-15)	GP-61 (18-21)
Date Collected:	2/6/97	2/6/97	2/6/97	2/6/97
Dilution Factor:	20 X	100 X	125 X	125 X
ug/L units				
Vinyl Chloride	760		1300	1250 U
n-Hexane	200 U		1250 U	1250 U
1,1-Dichloroethene	200 U		1250 U	160 J
Methylene Chloride	200 U		1250 U	130 J
trans-1,2-Dichloroethene	29 J		1250 U	1250 U
cis-1,2-Dichloroethene	8300 E	9400	13000	650 J
1,1-Dichloroethane	29 J		1250 U	1250 U
1,2-Dichloroethane	200 U		1250 U	1250 U
1,1,1-Trichloroethane	200 U		1250 U	3100
Benzene	200 U		1250 U	1250 U
Trichloroethene	4100 E	4000	11000	5700
4-Methyl-2-Pentanone	200 U		1250 U	1250 U
Toluene	200 U		1250 U	1250 U
Tetrachloroethene	200 U		1250 U	1250 U
Ethylbenzene	200 U		1250 U	1250 U
M&P Xylene	200 U		1250 U	1250 U
O Xylene	200 U		1250 U	1250 U
Freon 113 (TIC)	NP		NP	NP

Sample ID:	GP-62 (8-11)	GP-62 (8-11)DL	GP-62 (13-15)	GP-62 (16-18)	GP-63 (9-12)
Date Collected:	2/6/97	2/6/97	2/6/97	2/6/97	2/6/97
Dilution Factor:	200 X	500X	125 X	100 X	1 X
ug/L units					
Vinyl Chloride	3600		730 J	160 J	17
n-Hexane	2000 U		1250 U	1000 U	10 U
1,1-Dichloroethene	2000 U		1250 U	1000 U	1 J
Methylene Chloride	2000 U		1250 U	1000 U	10 U
trans-1,2-Dichloroethene	2000 U		1250 U	1000 U	10 U
cis-1,2-Dichloroethene	11000		2800	1100	9 J
1,1-Dichloroethane	2000 U		1250 U	1000 U	2 J
1,2-Dichloroethane	2000 U		1250 U	1000 U	10 U
1,1,1-Trichloroethane	470		1300	1200	3 J
Benzene	2000 U		1250 U	1000 U	10 U
Trichloroethene	62000 E	61000	13000	5000	35
4-Methyl-2-Pentanone	2000 U		1250 U	1000 U	10 U
Toluene	2000 U		1250 U	1000 U	10 U
Tetrachloroethene	2000 U		1250 U	1000 U	10 U
Ethylbenzene	2000 U		1250 U	1000 U	10 U
M&P Xylene	2000 U		1250 U	1000 U	10 U
O Xylene	2000 U		1250 U	1000 U	10 U
Freon 113 (TIC)	NP		680 J	1800 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-63 (12-14)	GP-63 (16-18)	GP-64 (9-12)	GP-65 (9-12)	GP-66 (9-12)
Date Collected:	2/6/97	2/6/97	2/6/97	2/6/97	2/6/97
Dilution Factor:	40 X	40 X	1 X	20 X	20 X
ug/L units					
Vinyl Chloride	400 U	400 U	11	150 J	21 J
n-Hexane	400 U	400 U	10 U	200 U	200 U
1,1-Dichloroethene	78 J	91 J	10 U	200 U	200 U
Methylene Chloride	400 U	400 U	10 U	200 U	200 U
trans-1,2-Dichloroethene	400 U	400 U	10 U	200 U	200 U
cis-1,2-Dichloroethene	1200	1200	32	630	800
1,1-Dichloroethane	61 J	54 J	2 J	37 J	200 U
1,2-Dichloroethane	400 U	400 U	10 U	200 U	200 U
1,1,1-Trichloroethane	4800	5100	10 U	96 J	370
Benzene	400 U	400 U	10 U	200 U	200 U
Trichloroethene	6700	7000	73	3800	1500
4-Methyl-2-Pentanone	400 U	400 U	10 U	200 U	200 U
Toluene	400 U	400 U	1 J	200 U	200 U
Tetrachloroethene	400 U	400 U	1 J	200 U	200 U
Ethylbenzene	400 U	400 U	10 U	200 U	200 U
M&P Xylene	400 U	400 U	10 U	200 U	200 U
O Xylene	71 J	77 J	10 U	200 U	200 U
Freon 113 (TIC)	NP	NP	41 J	NP	1600 J

Sample ID:	GP-67 (9-12)	GP-67 (14-16)	GP-68 (9-12)	GP-68 (14-16)	GP-69 (9-12)
Date Collected:	2/6/97	2/6/97	2/6/97	2/6/97	2/7/97
Dilution Factor:	500 X	100 X	1000 X	100 X	20 X
ug/L units					
Vinyl Chloride	6000	160 J	4200	490 J	130 J
n-Hexane	5000 U	1000 U	10000 U	1000 U	200 U
1,1-Dichloroethene	5000 U	1000 U	10000 U	1000 U	200 U
Methylene Chloride	5000 U	1000 U	10000 U	1000 U	200 U
trans-1,2-Dichloroethene	5000 U	1000 U	10000 U	1000 U	200 U
cis-1,2-Dichloroethene	22000	1300	51000	6600	260
1,1-Dichloroethane	5000 U	1000 U	10000 U	1000 U	200 U
1,2-Dichloroethane	5000 U	1000 U	10000 U	1000 U	200 U
1,1,1-Trichloroethane	5000 U	2700	10000 U	720	200 U
Benzene	5000 U	1000 U	10000 U	1000 U	200 U
Trichloroethene	40000	8800	110000	9800	840
4-Methyl-2-Pentanone	5000 U	1000 U	10000 U	1000 U	200 U
Toluene	5000 U	1000 U	10000 U	1000 U	200 U
Tetrachloroethene	5000 U	1000 U	10000 U	1000 U	200 U
Ethylbenzene	5000 U	1000 U	10000 U	1000 U	200 U
M&P Xylene	5000 U	1000 U	10000 U	1000 U	200 U
O Xylene	5000 U	1000 U	10000 U	1000 U	200 U
Freon 113 (TIC)	NP	1600 J	NP	920 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-69 (14-16)	GP-70 (9-11)	GP-70 (14-16)	GP-70 (14-16)DL
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	50 X	1 X	5 X	50 X
ug/L units				
Vinyl Chloride	320 J	10 U	260	
n-Hexane	500 U	6 J	50 U	
1,1-Dichloroethene	500 U	10 U	54	
Methylene Chloride	500 U	10 U	50 U	
trans-1,2-Dichloroethene	500 U	10 U	50 U	
cis-1,2-Dichloroethene	1400	3 J	1600 E	1600
1,1-Dichloroethane	500 U	10 U	11 J	
1,2-Dichloroethane	500 U	10 U	50 U	
1,1,1-Trichloroethane	740	10 U	1200 E	1100
Benzene	500 U	3 J	6 J	
Trichloroethene	4100	4 J	2400 E	3600
4-Methyl-2-Pentanone	500 U	10 U	50 U	
Toluene	500 U	9 J	50 U	
Tetrachloroethene	500 U	10 U	7 J	
Ethylbenzene	500 U	1 J	50 U	
M&P Xylene	500 U	6 J	50 U	
O Xylene	500 U	2 J	50 U	
Freon 113 (TIC)	770 J	NP	NP	

Sample ID:	GP-70 (17-19)	GP-70 (17-19)DL	GP-71 (9-12)	GP-71 (14-16)
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	20 X	50 X	1 X	1 X
ug/L units				
Vinyl Chloride	320		39	5 J
n-Hexane	200 U		10 U	10 U
1,1-Dichloroethene	75 J		10 U	10 U
Methylene Chloride	200 U		10 U	10 U
trans-1,2-Dichloroethene	200 U		10 U	10 U
cis-1,2-Dichloroethene	2000		140	19
1,1-Dichloroethane	200 U		10 U	10 U
1,2-Dichloroethane	200 U		10 U	10 U
1,1,1-Trichloroethane	1700		3 J	10 U
Benzene	200 U		10 U	10 U
Trichloroethene	4500 E	5000	33	6 J
4-Methyl-2-Pentanone	200 U		10 U	10 U
Toluene	200 U		10 U	10 U
Tetrachloroethene	200 U		32	3 J
Ethylbenzene	200 U		10 U	10 U
M&P Xylene	200 U		10 U	10 U
O Xylene	200 U		10 U	10 U
Freon 113 (TIC)		1400 J	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-71 (18-21)	GP-71 (18-21)DL	GP-72 (9-11)	GP-72 (14-16)	GP-72 (16-18)
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	10 X	20 X	1 X	1 X	1 X
ug/L units					
Vinyl Chloride	20 J		10 U	10 U	10 U
n-Hexane	100 U		10 U	10 U	10 U
1,1-Dichloroethene	23 J		10 U	10 U	10 U
Methylene Chloride	18 J		10 U	10 U	10 U
trans-1,2-Dichloroethene	100 U		10 U	10 U	10 U
cis-1,2-Dichloroethene	490		6 J	5 J	4 J
1,1-Dichloroethane	29 J		10 U	10 U	10 U
1,2-Dichloroethane	100 U		10 U	10 U	10 U
1,1,1-Trichloroethane	1700		2 J	2 J	2 J
Benzene	100 U		10 U	10 U	10 U
Trichloroethene	2800 E	3200	13	12	11
4-Methyl-2-Pentanone	100 U		10 U	10 U	10 U
Toluene	100 U		10 U	10 U	10 U
Tetrachloroethene	100 U		10 U	10 U	10 U
Ethylbenzene	100 U		10 U	10 U	10 U
M&P Xylene	100 U		10 U	10 U	10 U
O Xylene	15 J		10 U	10 U	10 U
Freon 113 (TIC)	NP		NP	NP	NP

Sample ID:	GP-73 (9-11)	GP-73 (14-16)	GP-73 (17-19)	GP-74 (9-11)
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	50 X	50 X	50 X	1 X
ug/L units				
Vinyl Chloride	500 U	500 U	500 U	10 U
n-Hexane	500 U	500 U	500 U	10 U
1,1-Dichloroethene	500 U	500 U	500 U	10 U
Methylene Chloride	500 U	500 U	500 U	10 U
trans-1,2-Dichloroethene	500 U	500 U	500 U	10 U
cis-1,2-Dichloroethene	500 U	500 U	500 U	2 J
1,1-Dichloroethane	500 U	500 U	500 U	10 U
1,2-Dichloroethane	500 U	500 U	500 U	10 U
1,1,1-Trichloroethane	340 J	310 J	440 J	3 J
Benzene	500 U	500 U	500 U	10 U
Trichloroethene	7100	7000	2700	49
4-Methyl-2-Pentanone	500 U	500 U	500 U	10 U
Toluene	500 U	500 U	500 U	10 U
Tetrachloroethene	500 U	500 U	500 U	10 U
Ethylbenzene	500 U	500 U	500 U	10 U
M&P Xylene	500 U	500 U	500 U	10 U
O Xylene	500 U	500 U	500 U	10 U
Freon 113 (TIC)	1500 J	1300 J	1300 J	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-74 (14-16)	GP-74 (14-16)D	GP-74 (18-20)	GP-75 (9-11)	GP-75 (14-16)
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	1 X	1 X	1 X	1 X	1 X
ug/L units					
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	1 J	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	2 J	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U
Trichloroethene	7 J	7 J	22	5 J	6 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	1 J
Ethylbenzene	10 U	10 U	10 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Sample ID:	GP-75 (19-21)	GP-76 (9-11)	GP-76 (14-16)	GP-76 (17-19)
Date Collected:	2/7/97	2/7/97	2/7/97	2/7/97
Dilution Factor:	1 X	1 X	1 X	50 X
ug/L units				
Vinyl Chloride	1 J	10 U	10 U	500 U
n-Hexane	10 U	10 U	10 U	500 U
1,1-Dichloroethene	10 U	10 U	10 U	500 U
Methylene Chloride	10 U	10 U	10 U	500 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	500 U
cis-1,2-Dichloroethene	8 J	10 U	10 U	500 U
1,1-Dichloroethane	10 U	10 U	10 U	500 U
1,2-Dichloroethane	10 U	10 U	10 U	500 U
1,1,1-Trichloroethane	2 J	10 U	10 U	500 U
Benzene	10 U	10 U	10 U	500 U
Trichloroethene	37	2 J	8 J	1200
4-Methyl-2-Pentanone	10 U	10 U	10 U	500 U
Toluene	10 U	10 U	10 U	500 U
Tetrachloroethene	4 J	1 J	10 U	500 U
Ethylbenzene	10 U	10 U	10 U	500 U
M&P Xylene	10 U	10 U	10 U	500 U
O Xylene	10 U	10 U	10 U	500 U
Freon 113 (TIC)	NP	NP	NP	620 J

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-77 (14-16)	GP-77 (17-19)	GP-77 (17-19)DL	GP-77 (17-19)D	GP-78 (14-16)
Date Collected:	2/8/97	2/8/97	2/8/97	2/8/97	2/8/97
Dilution Factor:	5 X	2 X	50 X	50 X	1 X
ug/L units					
Vinyl Chloride	17 J	138		140 J	10 U
n-Hexane	50 U	20 U		500 U	10 U
1,1-Dichloroethene	23 J	170		200 J	10 U
Methylene Chloride	50 U	6 J		500 U	10 U
trans-1,2-Dichloroethene	50 U	2 J		500 U	10 U
cis-1,2-Dichloroethene	170	1100 E	1200	1200	10 U
1,1-Dichloroethane	50 U	33		500 U	10 U
1,2-Dichloroethane	50 U	20 U		500 U	10 U
1,1,1-Trichloroethane	180	1800 E	2500	2500	10 U
Benzene	27 J	36		500 U	10 U
Trichloroethene	330	2100 E	5000	4900	10 U
4-Methyl-2-Pentanone	50 U	20 U		500 U	10 U
Toluene	50 U	20 U		500 U	10 U
Tetrachloroethene	50 U	20 U		500 U	10 U
Ethylbenzene	50 U	20 U		500 U	10 U
M&P Xylene	50 U	20 U		500 U	10 U
O Xylene	50 U	20 U		500 U	10 U
Freon 113 (TIC)	NP	NP		NP	NP

Sample ID:	GP-78 (16-18)	GP-79 (18.5-20.5)	GP-82 (13-15)	GP-82 (16.5-18.5)	GP-83 (14-16)
Date Collected:	2/8/97	2/8/97	2/8/97	2/8/97	2/9/97
Dilution Factor:	1 X	1 X	1 X	10 X	1 X
ug/L units					
Vinyl Chloride	10 U	10 U	10 U	100 U	10 U
n-Hexane	10 U	10 U	10 U	100 U	10 U
1,1-Dichloroethene	10 U	10 U	3 J	29 J	10 U
Methylene Chloride	10 U	10 U	10 U	100 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	100 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	3 J	23 J	4 J
1,1-Dichloroethane	10 U	10 U	3 J	100 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	100 U	10 U
1,1,1-Trichloroethane	10 U	10 U	24	260	1 J
Benzene	10 U	10 U	5 J	24 J	10 U
Trichloroethene	10 U	10 U	23	230	6 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	100 U	10 U
Toluene	10 U	1 J	2 J	100 U	10 U
Tetrachloroethene	10 U	10 U	10 U	100 U	10 U
Ethylbenzene	10 U	10 U	10 U	100 U	10 U
M&P Xylene	10 U	10 U	10 U	100 U	10 U
O Xylene	10 U	10 U	10 U	100 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

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Sample ID:	GP-83 (20-22)	GP-83 (20-22)D	GP-84 (9-11)	GP-84 (14-16)	GP-84 (17-19)
Date Collected:	2/9/97	2/9/97	2/9/97	2/9/97	2/9/97
Dilution Factor:	1 X	1 X	1 X	1 X	20 X
ug/L units					
Vinyl Chloride	3 J	4 J	10 U	10 U	200 U
n-Hexane	10 U	1 J	10 U	10 U	200 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	200 U
Methylene Chloride	10 U	10 U	10 U	10 U	200 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	200 U
cis-1,2-Dichloroethene	25	27	10 U	10 U	200 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	200 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	200 U
1,1,1-Trichloroethane	8 J	10	10 U	10 U	200 U
Benzene	1 J	1 J	10 U	10 U	200 U
Trichloroethene	42	53	10 U	10 U	440
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	200 U
Toluene	2 J	2 J	10 U	10 U	200 U
Tetrachloroethene	10 U	10 U	10 U	10 U	200 U
Ethylbenzene	10 U	10 U	10 U	10 U	200 U
M&P Xylene	1 J	1 J	10 U	10 U	200 U
O Xylene	10 U	10 U	10 U	10 U	200 U
Freon 113 (TIC)	NP	NP	NP	NP	110 J

Sample ID:	GP-101 (14-16)	GP-101 (16-18)	GP-102 (9-12)	GP-102 (15-18)
Date Collected:	2/11/97	2/11/97	2/11/97	2/11/97
Dilution Factor:	1 X	1 X	1 X	1 X
ug/L units				
Vinyl Chloride	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	4 J	3 J
Methylene Chloride	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	2 J	1 J	10 U	10 U
1,1-Dichloroethane	10 U	10 U	2 J	8 J
1,2-Dichloroethane	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	2 J	21	3 J
Benzene	1 J	10 U	10 J	8 J
Trichloroethene	50	39	12	6 J
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
Toluene	2 J	10 U	10 U	1 J
Tetrachloroethene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
M&P Xylene	1 J	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	21 J	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
11D Area

Sample ID:	GP-105 (8-12)	GP-105 (14-16)	GP-105 (17-18)	GP-106 (8-12)	GP-106 (14-16)
Date Collected:	2/13/96	2/13/96	2/13/96	2/12/97	2/12/97
Dilution Factor:	5 X	1 X	1 X	1 X	1 X
ug/L units					
Vinyl Chloride	50 U	10 U	10 U	10 U	10 U
n-Hexane	50 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5 J	5 J	10 U	10 U	10 U
Methylene Chloride	50 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	50 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	50 U	2 J	10 U	10 U	1 J
1,1-Dichloroethane	50 U	9 J	10 U	10 U	10 U
1,2-Dichloroethane	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	41 J	17	10 U	10 U	3 J
Benzene	30 J	57	10 U	10 U	8 J
Trichloroethene	390	30	10	3 J	12
4-Methyl-2-Pentanone	50 U	10 U	10 U	10 U	10 U
Toluene	50 U	10 U	10 U	10 U	1 J
Tetrachloroethene	50 U	10 U	10 U	10 U	10 U
Ethylbenzene	50 U	10 U	10 U	10 U	10 U
M&P Xylene	50 U	10 U	10 U	10 U	10 U
O Xylene	50 U	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
Ponded Water

Sample ID:	FB010997	PW-A	PW-B	PW-C
Date Collected:	1/9/97	12/10/96	12/11/96	12/11/96
Dilution Factor:	1 X	1 X	1 X	1 X
ug/L units				
Vinyl Chloride	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	9 J
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	8	10 U	14
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	13
Ethylbenzene	10 U	10 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP

Sample ID:	PW-D	PW-E	PW-F	PW-G
Date Collected:	12/11/96	12/11/96	12/11/96	12/11/96
Dilution Factor:	1 X	1 X	1 X	1 X
ug/L units				
Vinyl Chloride	10 U	10 U	10 U	10 U
n-Hexane	10 U	10 U	1 J	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	10 U	10 U	10 U	2 J
cis-1,2-Dichloroethene	10 U	10 U	10 U	140
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
Trichloroethene	3 J	1 J	10 U	42
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Tetrachloroethene	1 J	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
M&P Xylene	10 U	10 U	10 U	10 U
O Xylene	10 U	10 U	10 U	10 U
Freon 113 (TIC)	NP	NP	NP	NP

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (E) Estimated quantity above the established linear working range. (NP) No peak detected.

McLaren/Hart Field Services Division
Bausch & Lomb Frame Center
VOCs by GC/MS Method 8260
Split Data

	McLaren/Hart	BBL	McLaren/Hart	BBL	McLaren/Hart	BBL
Date Collected:	12/11/96	12/11/96	12/11/96	12/11/96	12/10/96	12/10/96
Sample ID:	BL-9S(DL)	BL-9S	BL-11D	BL-11D	BL-14S	BL-14S
ug/L units						
Vinyl Chloride	2400 J	1000U	1000 U	100U	10 U	1U
n-Hexane	10U	NA	1000 U	NA	10 U	NA
1,1-Dichloroethene	170	1000U	1000 U	100U	11	12
Methylene Chloride	10U	1000U	1000 U	100U	10 U	1U
trans-1,2-Dichloroethene	35	1000U	1000 U	100U	10 U	1U
cis-1,2-Dichloroethene	23000	26000	1000 U	100U	10 U	1U
1,1-Dichloroethane	14	1000U	1000 U	100U	7 J	7
1,2-Dichloroethane	15	1000U	1000 U	100U	10 U	1U
1,1,1-Trichloroethane	10U	1000U	1000 U	100U	14	14
Benzene	2J	1000U	1000 U	100U	10 U	1U
Trichloroethene	14000	14000	1500	1300	75	74
4-Methyl-2-Pentanone	10U	NA	1000 U	NA	10 U	NA
Toluene	19	1000U	1000 U	100U	10 U	1U
Tetrachloroethene	7J	1000U	1000 U	100U	10 U	1U
Ethylbenzene	27	1000U	1000 U	100U	10 U	1U
M&P Xylene	27	3000U	1000 U	300U	10 U	3U
O Xylene	16	3000U	1000 U	300U	10 U	3U
Freon 113 (TIC)	NP	1000U	NP	100U	NP	1U

	McLaren/Hart	BBL	McLaren/Hart	BBL
Date Collected:	12/10/96	12/10/96	12/11/96	12/11/96
Sample ID:	BL-16S	BL-16S	BL-19S	BL-19S
ug/L units				
Vinyl Chloride	5000 U	1000U	10 U	1U
n-Hexane	5000 U	NA	10 U	NA
1,1-Dichloroethene	5000 U	1000U	10 U	1U
Methylene Chloride	5000 U	1000U	10 U	1U
trans-1,2-Dichloroethene	5000 U	1000U	10 U	1U
cis-1,2-Dichloroethene	5000 U	1000U	2 J	1U
1,1-Dichloroethane	5000 U	1000U	10 U	1U
1,2-Dichloroethane	5000 U	1000U	10 U	1U
1,1,1-Trichloroethane	2700 J	2300	10 U	1U
Benzene	5000 U	1000U	10 U	1U
Trichloroethene	26000	21000	3 J	1U
4-Methyl-2-Pentanone	5000 U	NA	10 U	NA
Toluene	5000 U	1000U	10 U	1U
Tetrachloroethene	820 J	1000U	10 U	1U
Ethylbenzene	5000 U	1000U	10 U	1U
M&P Xylene	5000 U	3000U	10 U	3U
O Xylene	5000 U	3000U	10 U	3U
Freon 113 (TIC)	NP	1000U	NP	1U

Qualifier key: (B) Compound detected in the method blank. (J) Estimated amount for either a TIC, or a targeted compound detected < the reporting limit but > 0. (NP) No peak detected. (ND) No detect.