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GENERAL APPLICATION FOR PERMIT

GROUNDWATER MONITORING TO EVALUATE EFFECTIVENESS OF SOURCE REDUCTION AND NATURAL ATTENUATION REMEDIAL MEASURES

WINNEBAGO RECLAMATION LANDFILL
WINNEBAGO COUNTY, ILLINOIS
IEPA PERMIT NUMBER 1991-138-LF, MODIFICATION NO. 3
IEPA SITE NUMBER 2018080001

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May 8, 1997

Mr. Edward Bakowski, P.E.
Permit Section Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

Reference: Site Number: 2018080001 - Winnebago County
Pagel's Pit/Winnebago Reclamation Service
Permit Number: 1991-138-LF, Modification No. 2
Log Nos. 1995-250 and 1996-058
Expiration Date: April 15, 1998
HSI GeoTrans Project No. N021-005

Dear Mr. Bakowski:

On behalf of **Winnebago Reclamation Service, Inc.**, HSI GeoTrans is pleased to submit this addendum to the January 14, 1997 significant modification of the above referenced permit. This addendum consists of a request for approval of a proposed amendment to this permit application in order to assess the effectiveness of source control measures (leachate collection and final landfill cap) with intrinsic remediation as the remedy for improving groundwater quality within the Groundwater Management Zone (GMZ). A specified time frame for evaluating the revised remedy is proposed, during which groundwater data will be collected and analyzed to assess trends in groundwater quality. At the end of the evaluation period, a report will be submitted summarizing the results of the study and recommending modifications as necessary.

Based on discussions with both USEPA and IEPA, this submittal provides a detailed discussion of the use of source control measures (leachate collection and final landfill cap) and intrinsic remediation to address elevated concentration levels of constituents in groundwater at the Pagel Landfill Facility in Rockford, Illinois. Given the fact that the elevated compounds in groundwater are primarily inorganic (ammonia and arsenic), and that risk levels are low with no present or future risk to potential receptors, the combination of source control and intrinsic remediation is the appropriate remedy for this site. To assess the effectiveness of this remedy,

groundwater monitoring, data analysis methodologies, and appropriate criteria for future evaluation of remedial system design performance are discussed in detail below.

Relevant Background

Based on several engineering studies (Andrews, 1996; GeoTrans, 1995a,b,h; 1996), source reduction, natural attenuation, and air sparging were chosen as the remedy to address both ammonia and low levels of chlorinated and inorganic compounds in groundwater. Inorganic compounds would be addressed through leachate collection, installation of a low permeability final cover, and natural attenuation. Air sparging was chosen to primarily reduce chlorinated compounds through biodegradation and volatilization. Over the past several years, chlorinated compounds, which are attributed to releases from sources at the upgradient Acme Solvents site, have decreased significantly and are at levels near or below both their respective MCLs and AGQSs. With the current operation of a pump-and-treat system at Acme Solvents, chlorinated concentration levels in groundwater at the Pagel Landfill should remain low because of their capture prior to on-site migration. Given the lack of elevated volatile compounds at the Pagel Landfill Facility, the air sparging component of the remedial design is unnecessary and both source control measures and intrinsic remediation will be used to reduce the remaining inorganic compound concentrations to levels below their AGQS.

Summary of Recent Data Collection and Remedial Activities

Over the past two years, several data collection and remedial (leachate removal) activities have been performed. From February to May 1995, soil borings, installation of nine monitoring wells, and groundwater water sampling of 25 wells were performed (GeoTrans, 1995c-e). Laboratory results from this comprehensive sampling event showed that no chlorinated compounds were present at levels above their AGQS. In May 1996, groundwater samples were collected from MW106 and G117, and were analyzed for the 40 CFR 258 Subtitle D Appendix II parameters. These results showed that no chlorinated compounds were detected in the downgradient well G117 and in MW106, which is located directly downgradient of the landfill (HSI GeoTrans, 1997). In August and September 1996, three new monitoring wells (G38, G39, and G40) were installed along the downgradient perimeter of the landfill (see Figure 19). As required in the landfill permit, groundwater samples were collected from 25 wells in November 1996, and were analyzed for inorganic leachate indicator compounds. The results of this recent sampling event will be discussed below. On February 15, 1997, an automated leachate collection system was started and will remain in operation until May 15, 1997. At this time, pumping of the leachate wells will be temporarily discontinued to enable construction of the western part of the final leachate management system, which will be operational by August 1997. Recently, groundwater samples were collected during February 1997 from 25 wells as required in the landfill operating permit.

Current Hydrogeologic and Geochemical Conditions

The Pagel landfill facility overlies an unconsolidated-bedrock aquifer system. This aquifer system consists of a high permeability, unconsolidated sand and gravel aquifer overlying a lower permeability dolomite bedrock aquifer. At the site, groundwater flow in both the unconsolidated sediments and bedrock is to the west-northwest (GeoTrans 1995e). In general, the aquifer system is recharged in the bedrock uplands with groundwater flowing downward in this area and later flowing back upward into the higher permeability sand and gravel sediments. Near the landfill, shallow groundwater in the unconsolidated sediments discharges into Kilbuck Creek while deeper groundwater flows beneath Kilbuck Creek and continues toward the west-northwest.

Figures 1 and 2 present potentiometric surface maps for the upper and lower zones of the sand and gravel aquifer. In agreement with historical potentiometric maps, these figures show that shallow groundwater in the unconsolidated sediments flows to the west and discharges to Kilbuck Creek while deeper groundwater flows below Kilbuck Creek. Groundwater modeling (GeoTrans, 1995f) and chemical data has indicated that some of the deeper unconsolidated groundwater flowing beneath Kilbuck Creek flows back upward and discharges at lower elevation reaches of Kilbuck Creek to the northwest near G34S. In the November 1996 potentiometric surface map of the upper sand zone, the higher elevations at G118R indicate that, at this time, the intermittent stream was recharging the sand and gravel aquifer. Figure 3 shows that shallow bedrock groundwater also flows toward the west. As shown at the MW106 and G132 well cluster, the higher heads in the bedrock aquifer are consistent with the interpretation that shallow bedrock groundwater flows upward into the sand and gravel aquifer.

Figures 4 through 6 show dissolved ammonia concentrations in groundwater for the November 1996 sampling event. As expected, ammonia plume concentrations are highest near the landfill source area and decrease toward the west as a result of volatilization, sorption, dispersion, and precipitation recharge natural attenuation mechanisms. The highest concentration was 260 mg/L at B15R, which is located adjacent to the landfill. In the downgradient shallow bedrock well G132, ammonia concentrations increased from nondetect in March 1995 to 59 mg/L. This increase was most likely caused by the unusual flooding (greater than 100 year probability) last Spring, which caused a short-term, strong downward component of flow from the sand and gravel aquifer into bedrock. Ammonia concentrations in bedrock will eventually diminish because bedrock groundwater flow is back upward into the sand and gravel aquifer. This interpretation is consistent with reported laboratory results indicating a lower concentration of 23 mg/L at G132 for the February 1997 sampling event.

Figures 7 through 9 show dissolved chloride concentrations in groundwater for the November 1996 sampling event. The spatial distribution of dissolved chloride is similar to ammonia. The

highest concentration was 930 mg/L at the downgradient well P1, which is located adjacent to the landfill source area. Chloride plume concentrations are lower downgradient of the landfill as a result of natural attenuation mechanisms. In the downgradient bedrock well, chloride concentrations increased from 14 mg/L in March 1995 to 190 mg/L, which was most likely caused by the flood event. As discussed above, chloride concentrations in shallow bedrock will eventually diminish because bedrock groundwater flow is back upward into the sand and gravel aquifer. Results for the February 1997 sampling event indicate a lower concentration of 82.9 mg/L at G132, which is consistent with this interpretation.

Figures 10 through 12 show dissolved arsenic concentrations in groundwater for the November 1996 sampling event. The spatial trends in dissolved arsenic are very different than ammonia and chloride. Concentration levels of arsenic are generally low, and no arsenic was detected at P3R and MW116A, which are along the leachate plume centerline. In addition, no arsenic was detected in the shallow bedrock well G132. These low levels indicate that any mass release rates of arsenic from the landfill are very low. The highest observed concentration was 92 ug/L at downgradient well G115, which is located within the zone of attenuation. This is the only location where arsenic was above its MCL (50 ug/L). Reported laboratory results from the February 1997 sampling event indicate lower concentrations for arsenic levels across the site.

Risk-Based Screening

Risk-based screening is a useful tool for determining the magnitude of a contamination problem at a given site and for facilitating decision-making regarding appropriate site remedies. For this analysis, an incremental risk-based screening analysis was performed. The incremental risk screening analysis was performed to determine the excess risk in the Groundwater Management Zone that is above that attributable to background concentrations. The incremental risk was determined as follows: 1) Determination of maximum concentrations of all compounds sampled from March 1995 to November 1996 at each downgradient well; 2) Calculation of the only the portion of the carcinogenic and non-carcinogenic risk that is above background concentration; 3) Calculation of carcinogenic or noncarcinogenic risk levels for each compound; and 4) Determining the cumulative carcinogenic or noncarcinogenic risk levels by adding associated risks for each compound. Table 1 shows the compounds that exceeded background levels during the period of interest based on the extensive list of compounds that were analyzed during this period. The background levels are presented in Table 2. Since the list of parameters that were analyzed during the past two years included permit required sampling and investigative studies, not all compounds included in the risk analysis were analyzed during each sampling event. Thus, the incremental risk utilized the maximum recorded value during the study period and is not based on a statistical representation of the data set.

As stated above, risk-based analysis on the maximum recorded concentration of constituents in the groundwater at the Pagel Landfill Facility was conducted for carcinogenic and noncarcinogenic compounds for the period from March 1995 to November 1996 in order to ensure that all relevant well locations were included. This period covers the two more comprehensive sampling events on March 1995 and November 1996, and sampling of MW106 and G117 in May 1996. This period also ensured that a large number of compounds were evaluated in the incremental risk analysis. Although unanalyzed compounds could not be included in this analysis, the list of compounds analyzed was sufficiently extensive to include all historical compounds of concern at the site, and it is highly unlikely that any compounds contributing to site risk were excluded in the analysis.

The carcinogenic and noncarcinogenic risk values for each chemical were calculated using risk-based concentration tables developed by Region III, USEPA (Smith, 1997) for the exposure scenario of lifetime ingestion of site groundwater. As stated above, for each well, maximum observed values of each compound (from March 1995 to November 1996) were used to calculate corresponding compound risk values using the risk-based concentrations (see Attachment 5). The risk for individual compounds was then summed to determine the total cumulative risk at each well location. The details of the risk calculations are also given in Attachment 6. It should be noted that this cumulative risk approach is more conservative than making risk management decisions on a chemical-by-chemical basis.

Potential carcinogenic risks are expressed as an increased probability of developing cancer over a lifetime. The National Contingency Plan (NCP) (EPA, 1990) states that "for known or suspected carcinogens, acceptable exposure levels are generally concentration levels that represent an excess upper-bound lifetime cancer risk to an individual of between 10^{-4} and 10^{-6}" (e.g., one chance in 10,000 to one chance in 1,000,000). Figures 13 and 14 show calculated carcinogenic risks in the upper and lower zones of the sand and gravel aquifer at each monitor well. Figure 15 shows calculated carcinogenic risks in the bedrock aquifer. For groundwater in the vicinity of the landfill, the primary compound that contributed to risk was arsenic. It should be noted that risk levels for arsenic concentrations may be overestimated, which leads to highly conservative estimates of site risk. Cancer risks greater than the threshold level of 10^{-4} were found only in the sand and gravel aquifer at locations adjacent to the landfill. It is apparent that risk levels decrease significantly downgradient from the landfill. Although organic compounds were not analyzed in the March 1995 surface water sampling of Kilbuck Creek, results of several earlier surface water sampling events during the RI (Warzyn, 1991) have shown that no increased carcinogenic risks were present in Kilbuck Creek.

Noncarcinogenic effects are not determined from a probability of experiencing a particular exposure event as is the carcinogenic risk. Noncarcinogenic effects are evaluated by comparing the estimated dose for a particular compound with a reference dose (RfD). The RfD is defined as

an estimate of a daily maximum exposure level for the human population, including sensitive subpopulations, that is likely to be without a deleterious effect during a lifetime based on an administered dose (EPA, 1989). The hazard quotient (HQ) is used to quantify the potential for an adverse noncarcinogenic effect attributable to a specific compound and is calculated as the estimated daily intake for the compound divided by the RfD. If the HQ exceeds unity, then an adverse health effect might occur. The higher the value of the HQ, the more likely that an adverse noncarcinogenic effect will occur as a result of exposure to the compound. If the estimated HQ is less than unity, then an adverse effect is unlikely.

Figures 16, 17, and 18 show the distribution of cumulative HQ values across the site for the upper and lower sand zones, and bedrock zone, respectively. It is apparent that the highest cumulative hazard quotient (262.8) was located adjacent to the landfill at B15R with cumulative hazard quotient values decreasing downgradient of the landfill. It should be noted that the elevated hazard quotient values are primarily the result of ammonia, and these risk values may be overestimated because the risk-based concentration for ammonia was developed by Smith (1997) using data developed from studies assessing the inhalation hazard from gas phase concentrations since there is not study evaluating hazards associated with ingestion of drinking water. For the nearest potential receptor (Kilbuck Creek), the concentration levels during several earlier surface water sampling events (Warzyn, 1991) and the March 1995 surface water sampling event show that there are no increased noncarcinogenic risks present in Kilbuck Creek.

In summary, the incremental risk-based screening indicates that the existing excess carcinogenic risk contributed by impacted groundwater above background levels at the Pagel Landfill facility are low. In all wells exhibiting elevated carcinogenic risk levels, the excess risk is attributable to the presence of arsenic. In addition, most of the affected wells (except MW106 and P1) are within the zone of attenuation. Excess noncarcinogenic hazard levels are overwhelmingly attributable to ammonia with a significantly smaller hazard quotient contributed by arsenic. In addition, with the exceptions noted above, all of the wells affected by arsenic hazard quotients fall within the zone of attenuation. Since there is no oral reference dose for ammonia ingestion the hazard quotient for ammonia was developed using inhalation hazards associated with gas phase concentrations. Thus, the hazard levels associated with monitoring wells in the study are misleading and the hazard quotients associated with ammonia should be considered with some skepticism when assessing the true hazard level present in the groundwater management zone. Periodic groundwater sampling of Kilbuck Creek, including the March 95 sampling event, shows no current or historically elevated carcinogenic and noncarcinogenic risk levels in Kilbuck Creek. Offsite downgradient residential wells have been historically clean, and future offsite migration and risk to these receptors is highly unlikely. In addition, exposure to higher risk on-site groundwater is also highly unlikely given the current and future land use. As leachate pumping continues and the final cover is installed, these source reduction measures and natural

attenuation should cause the leachate plumes to decrease in size in the groundwater management zone until there are no exceedances above AGQS values outside the zone of attenuation.

Site Remedy

As stated above, source control measures (leachate removal and final cover) and intrinsic remediation monitoring will be implemented to address the remaining low-risk downgradient inorganic compounds at the Pagel Landfill Facility. The leachate collection system is currently removing approximately 10,000 gpd on a scheduled operation of 6 days a week. This system will be in operation until May 15, 1997 and, at this time, the system will be temporarily shut down until the western part of the more comprehensive leachate collection system is constructed in August, 1997. The low permeability, final landfill cover will be installed in phases as the final landfill elevation is reached. The western edge of the landfill is scheduled to have the final cover installed by August, 1997. Once the landfill is closed in September, 2001, and the low permeability final cover is fully installed, leachate generation will cease.

In this early phase of operation, the leachate collection system is being operated in order to lower leachate heads to approximately 1 foot above the asphalt liner. The estimated time to lower leachate heads to this level is 6 years (Andrews, 1996). Once leachate heads are reduced to 1 foot and impacted groundwater beneath the landfill is flushed out, solute transport model analyses (GeoTrans, 1995h) show that any additional releases to groundwater will result in chemical concentrations which exceed their AGQS values only within 100 ft of the landfill (zone of attenuation).

As source control measures reduce concentration levels near the landfill, intrinsic remediation should help to reduce remaining elevated levels of compounds within the groundwater management zone. Intrinsic remediation results from the integration of several subsurface attenuation mechanisms that are classified as either destructive or nondestructive. Destructive processes include biodegradation, abiotic oxidation, and hydrolysis. Nondestructive attenuation mechanisms include sorption, dilution (caused by advection, dispersion, and recharge), and volatilization. Because of the lack of elevated risk to both current and future potential receptors, source release reduction and natural attenuation is an appropriate remedy. These remedial measures will help to cause the leachate plumes to recede. Appropriate groundwater monitoring will be performed to monitor plume recession and ensure that a continual reduction in contaminant concentrations occurs over time until groundwater standards are reached.

Performance Evaluation and Groundwater Monitoring

Given that there are no current or future risks to potential receptors, a performance evaluation period from April 1997 to April 1999 is recommended to assess the effectiveness of source

reduction (leachate removal) and natural attenuation on reducing impacted groundwater concentrations beneath and downgradient of the Pagel landfill. This period of time should be sufficient for collecting an appropriate number of samples that both incorporates effects of seasonal variations and allows for proper statistical evaluation of whether there are downward trends in observed compound concentrations. The data collected during the performance evaluation period will also be useful for estimating compound attenuation rates as a result of source control and natural attenuation, and would later be useful for establishing initial trends for evaluation of any additional remedial measures, if necessary. The use of a more comprehensive set of monitoring points, consistent set of relevant analytical parameters, and consistent monitoring frequency will also help to ensure that appropriate analyses of remedial performance can be performed.

Groundwater monitoring will be carried out to properly assess the progress of source control remedial measures and intrinsic remediation in accordance with 35 IAC 811.326. The performance monitoring will examine trends of leachate indicator compounds at 33 wells and 3 stream gages (see Figure 19 and Table 3), which include 11 additional sampling points to be added to the wells listed in the landfill permit. As stated in the landfill permit, quarterly sampling of leachate indicator compounds (List 1 in Table 4) will continue to be performed during the performance period. Annual sampling of organic compounds (List 2 in Table 4) will also continue to be performed during the performance evaluation period. In addition, quarterly data for dissolved oxygen and eH are proposed to be added to the existing permit required list.

Submittals and Schedule

Annual progress reports that include an assessment of groundwater quality will be submitted on May 1, 1998 and May 1, 1999. These reports will summarize and provide an analysis of the results of hydrogeologic and geochemical conditions. After the performance assessment monitoring period, a summary report will be submitted on July 15, 1999 to determine whether leachate removal and intrinsic remediation are causing the leachate plume to recede, and whether additional remedial measures such as air sparging are necessary. The criteria for this determination will be discussed below.

Performance Assessment Criteria

The effectiveness of the remedial system will be examined based on the presence of contaminant concentration trends at monitoring points near the landfill and at the boundary of the dissolved plumes. As discussed above, an extensive groundwater monitoring network will be used and appropriate leachate parameters will be analyzed to assess trends in plume size of leachate compounds for the performance assessment of the site remedy. In order to eliminate effects of spatial variability, an intra well approach will be used in which trends of concentration versus

time are examined at each groundwater sampling data point. Short-term trend analyses will be performed using the nonparametric Mann-Kendall test (Mann, 1945; Theil, 1950; Kendall, 1975). After correcting for any observed trends, the Mann-Kendall test will be used to assess whether there is a downward trend in compound concentrations in wells near the source as a result of leachate pumping, and in wells near the plume boundary as a result of natural attenuation. For each COC, if downward concentration trends are inferred from the Mann Kendall test at impacted downgradient wells along the plume boundary, the COC plume will be judged to be in recession. If downward concentration trend slopes are inferred statistically for wells near the landfill, leachate collection will be judged to have reduced source area mass release rates. If plume recession is judged to be occurring, cleanup rates will be estimated based on observed trends in COC concentrations.

In order to estimate the mass-in-place of each compound, the program TinMass (Attachment 4) will also be used to estimate changes in total contaminant mass over time as part of the performance assessment. Using site-specific total porosity data, the estimated total mass of relevant compounds in groundwater will be tabulated for each sampling event in order to examine the rate of compound mass decrease over time. Trends in total mass versus time will also be used to assess whether source reduction and intrinsic remediation are causing reductions in downgradient dissolved compound mass in the GMZ.

If plume recession is not judged to be occurring, a phased installation of the previously designed air sparging system (GeoTrans, 1996) or a more appropriate remedy will be performed. For an air sparging remedy choice, the phased installation will consist of a preliminary pilot test using a line of air sparging wells along the west end of the landfill. Analyses of data collected from this pilot test will be used to make modifications to both the final system design and operating parameters. The design and analysis details regarding air sparge well locations, data collection, and methods of analysis for any necessary pilot test will be provided in a work plan.

In summary, we believe that both source reduction via leachate removal with final cover and intrinsic remediation are appropriate for addressing existing impacted groundwater given the given the fact that the elevated compounds in groundwater are primarily inorganic (ammonia and arsenic), and that risk levels are low with no present or future risk to potential receptors. Source reduction measures and intrinsic remediation should lead to measurable improvements in groundwater quality throughout the Groundwater Management Zone (GMZ). We have developed a sound technical approach consisting of additional data collection and analyses to ensure proper analysis of data collected during the evaluation period while ensuring that there are no threats to

public health and the environment. If you have any questions concerning this addendum, please do not hesitate to contact Tom Hilbert at 815-874-4806 or me at 703-444-7000.

Sincerely,

Daniel K. Burnell

Daniel K. Burnell
Senior Hydrogeologist

DKB/eb
Attachments as stated

cc: T. Hilbert, Winnebago Reclamation Service, Inc. (2 copies)
B. Schorle, USEPA Region V (3 copies)
R. Rajaram, PRC Environmental Management, Inc. (1 copy)
P. Rich, HSI GeoTrans (1 copy)

ATTACHMENT 1

ATTACHMENT 1

REFERENCES

REFERENCES

Andrews Environmental Engineering Inc., 1996. Application for Significant Modification to Permit for an Existing Unit, Winnebago Reclamation Service, Inc., Pagel Landfill Facility, Winnebago County, Illinois.

GeoTrans, March 1995a. Groundwater remedial alternative analysis and preliminary design, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, June 1995b. Groundwater remedial alternative analysis and preliminary design (air sparging), Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, July 1995c. Groundwater monitoring plan, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, July 1995d. Groundwater management zone application, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, July 1995e. Report of hydrogeologic investigations at the existing site, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, July 1995f. Construction and calibration of a three-dimensional numerical groundwater flow model, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, 1995g. Groundwater impact assessment report at the existing facility, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, November 1995h. Corrective action measures assessment and preliminary design, Winnebago Reclamation Landfill, Rockford, Illinois.

GeoTrans, November 1996. Final remedial design report: Pagel Landfill Facility, Winnebago Reclamation Landfill, Rockford, Illinois.

HSI GeoTrans, January 1997. General Application for Permit, Compliance with August 22, 1996 Permit Requirements, Winnebago Reclamation Landfill, Rockford, Illinois.

Kendall, M. G., 1975. Rank Correlation Methods 4th ed. Charles griffin, London.

Mann, H. B., 1945. Nonparametric test against trend: Econometrica 13, 245-259.

Smith, R. L. 1997. USEPA Region III: Risk-based Concentration Table, January-June 1996. Office of RCRA Technical & Program Support Branch (EHW70).

Theil, H., 1950. A rank-invariant method of linear and polynomial regression analysis. Proc. Koninalijke Nederlandse Akademie Van Wetenschatpen, A53 part 3, 1397-1412.

ATTACHMENT 2

ATTACHMENT 2

TABLES

Table 1. Summary of risk-based compounds that exceed AGQS values based on groundwater sampling from March 1995 to November 1996, Pagel Landfill Facility, Rockford, Illinois.

Chemical	Maximum Detection Since March 1995	Well	Sampling Date
Acetone (µg/L)	18	P1	3/28/95
Ammonia, Nitrogen (mg/L)	260	P1	3/28/95
Arsenic (mg/L)	0.092	P3R	11/21/96
bis(2-Ethylhexyl)phthalate (µg/L)	100	MW106	3/28/95
Boron (mg/L)	1.4	P4R	11/20/96
Chloride (mg/L)	930	P4R	11/20/96
1,4-Dichlorobenzene (µg/L)	11	P1	3/28/95
Ethylbenzene (µg/L)	34	P1	3/28/95
Iron	50.2	G115	3/29/95
Lead	0.0178	G117	5/17/96
Manganese	1.7	G116A	11/20/96
Nickel	0.27	G117	5/17/96
Nitrate Nitrogen (mg/L)	12.9	G36	3/29/95
Potassium (mg/L)	104	P1	3/28/95
Selenium (mg/L)	0.02	MW106	5/17/96
Sodium (mg/L)	253	MW106	3/28/95
Tetrahydrofuran (µg/L)	87	MW106	3/28/95
1,2,3-Trichlorobenzene (µg/L)	10	MW106	3/28/95
1,2,4-Trichlorobenzene (µg/L)	6	MW106	3/28/95
Vanadium (mg/L)	0.13	G117	5/17/96

Table 2. Summary of Applicable Groundwater Quality Standards (AGQS).

PARAMETER	UNITS	AGQS	Illinois 620	MCL
FIELD DATA				
pH(unfiltered)	units	8.16		
pH(unfiltered)	units	5.47		
Specific Conductance<unfiltered, umhos/cm 25C>	umhos	2350.22		
LIST 2 MISCELLANEOUS CONSTITUENTS				
Alkalinity (total)	mg/l	1522.98		
Biological Oxygen Demand (BOD)	mg/l	4.00		
Chemical Oxygen Demand (COD)	mg/l	50.00		
Oil (Hexane soluble or equiv)	mg/l	2.50		
Total Dissolved Solids (TDS)	mg/l	1755.87	1200.00	
Total Organic Carbon (TOC)	mg/l	4301.02		
Total Organic Halogens (TOX)	mg/l	0.11		
LIST 3 INORGANIC PARAMETERS				
Aluminum	mg/l	66.60		
Aluminum (dis)	mg/l	1.21		
Ammonia	mg/l	0.9		
Antimony	mg/l	0.5	0.006	0.006
Antimony (dis)	mg/l	0.25		
Arsenic	mg/l	0.01	0.05	0.05
Arsenic (dis)	mg/l	0.002		
Barium	mg/l	225.18	2.00	2.00
Barium (dis)	mg/l	33.14		
Beryllium	mg/l	0.005	0.004	0.004
Beryllium (dis)	mg/l	0.005		
Boron	mg/l	0.2	2	
Boron (dis)	mg/l	0.098		
Cadmium	mg/l	0.045		0.005
Cadmium (dis)	mg/l	0.005		
Calcium	mg/l	3093.41		
Calcium (dis)	mg/l	428.89		
Chloride	mg/l	87.51	200.00	
Chromium	mg/l	5.52	0.10	0.10
Chromium (dis)	mg/l	0.1		
Cobalt	mg/l	0.05	1	
Cobalt (dis)	mg/l	0.1		
Copper	mg/l	1.89	0.65	1.30
Copper (dis)	mg/l	0.02		
Cyanide (Total as Cn-)	mg/l	0.034	0.2	0.2
Fluoride (Total as F-)	mg/l	0.273	4.00	4.00
Iron (Total)	mg/l	446.70	5.00	

Table 2. Summary of Applicable Groundwater Quality Standards (AGQS) (continued).

PARAMETER	UNITS	AGQS	Illinois 620	MCL
Iron (dis)	mg/l	4.53		
Lead	mg/l	41.23	0.01	0.02
Lead (disl)	mg/l	0.004		
Magnesium	mg/l	1717.28		
Magnesium (dis)	mg/l	109.11		
Manganese	mg/l	12.38	0.15	
Manganese (dis)	mg/l	1.48		
Mercury	mg/l	0.0004	0.002	0.002
Mercury (dis)	mg/l	0.0002		
Nickel	mg/l	1.76	0.10	Remanded
Nickel (dis)	mg/l	0.04		
Nitrate (as Nitrogen)	mg/l	11.74	10.00	10.00
Potassium	mg/l	29.01		
Potassium(dis)	mg/l	28.19		
Selenium	mg/l	0.004	0.05	0.05
Selenium (dis)	mg/l	0.002		
Silver	mg/l	0.02	0.05	
Silver (dis)	mg/l	0.01		
Sodium	mg/l	164.79		
Sodium(dis)	mg/l	93.02		
Sulfates	mg/l	179.37	400.00	500.00
Thallium	mg/l	0.2	0.002	0.002
Thallium (dis)	mg/l	0.2		
Tin	mg/l	0.2		
Tin (dis)	mg/l	0.2		
Vanadium	mg/l	0.1		
Vanadium (dis)	mg/l	0.05		
Zinc	mg/l	622.28	5.00	
Zinc (dis)	mg/l	236.07		
LIST 4 ORGANIC CONSTITUENTS				
2,4-D;2,4-dichlorophenoxy-acetic acid	ug/l	2.00	70	70
Acetone;2-Propane	ug/l	10.00		
Acrolein	ug/l	100.00		
Acrylonitrile;2-Propenenitrile	ug/l	10.00		
Alachor	ug/l	2.00	2	2
Aldicarb; Temik	ug/l	1.00	3	7
Aldrin; Aldrex	ug/l	0.50		
Atrazine	ug/l	3.00	3	3
Benzene	ug/l	2.80		5
Benzoic Acid	ug/l	500.00		
bis (2-Chloroethoxy) methane	ug/l	100.00		
bis (2-Ethylhexyl) phthalate	ug/l	72.00		

Table 2. Summary of Applicable Groundwater Quality Standards (AGQS) (continued).

PARAMETER	UNITS	AGQS	Illinois 620	MCL
Bromobenzene; Phenyl bromide	ug/l	5.00		
Bromochloromethane; Chlorobromomethane	ug/l	5.00		
Bromodichloromethane; Dibromochloromethane	ug/l	5.00		100
Bromoform; Tribromomethane	ug/l	5.00		100
Bromomethane; Methyl bromide	ug/l	10.00		
Butanol 1,n-butyl alcohol	ug/l	320.00		
Butanol 1,2;sec-butyl alcohol	ug/l	260.00		
Butanone, 2-; Methyl ethyl ketone; MEK	ug/l	5.00		
Butylbenzene, n-; 1-Phenylbutane	ug/l	5.00		
Butylbenzene, sec-; (1-Methylpropyl)benzene	ug/l	5.00		
Butylbenzene, tert-; (1,1-Dimethylethly)benzene	ug/l	5.00		
Butylbenzyl phthalate	ug/l	100.00		
Carbofuran	ug/l	10.00		40
Carbon disulfide	ug/l	5.00		
Carbon tetrachloride	ug/l	5.00		5
Chlordane	ug/l	1.20	2	2
Chlorobenzene; Monochlorobenzene	ug/l	5.00		100
Chlorodibromomethane; Dibromochloromethane	ug/l	5.00		100
Chloroethane; ethyl chloride	ug/l	10.00		
Chloroethyl Vinyl Ether, 2-; (2-Chloroethoxy)ethene	ug/l	10.00		
Chloroform; Trichloromethane	ug/l	5.00		100
Chloronaphthalene, 2	ug/l	100.00		
Chlorotoluene, o-	ug/l	5.00		
Chlorotoluene, p-	ug/l	5.00		
Cresol, p-; cresol, 4-methylphenol	ug/l	100.00		
Cumene; (1-Methylethyl)benzene; Isopropylbenzene	ug/l	5.00		
Cymene; p-Isopropyltoluene, Dolcymene	ug/l	5.00		
DDD; 1,1'-(2,2-dichloroethylidene)bis[4chlorobenzene]	ug/l	0.25		
DDE;1,1'-(dichloroethenylidene)bis[4chlorobenzene]	ug/l	0.25		
DDT; 1,1'-(2,2,2-Trichloroethylidene)bis[4-chlorbenzene	ug/l	0.25		
Di-n-butyl pthalate; Dibutyl pthalate	ug/l	100.00		
Dibromo-3-chloropropane, 1,2-; (DBCP)	ug/l	5.00		0.2
Dichloro-2-butene, trans-1,4-	ug/l	5.00		
Dichlorobenzene, 1,2; o-Dichlorobenzene	ug/l	5.00		600
Dichlorobenzene, 1,3; m-Dichlorobenzene	ug/l	5.00		600
Dichlorobenzene, 1,4; p-Dichlorobenzene	ug/l	3.70		75
Dichlorodifluoromethane; Difluorodichloromethane; Freon 12	ug/l	19.00		
Dichloroethane, 1,1-; Ethylidene chloride	ug/l	31.00		
Dichloroethane, 1,2-; ethylene dichloride	ug/l	2.50		5
Dichloroethylene, 1,1-	ug/l	2.50		7
Dichloroethylene, 1,2-	ug/l	150.00		
Dichloroethylene, cis-1,2-	ug/l	150.00		70
Dichloroethylene, trans-1,2-	ug/l	5.00		100

Table 2. Summary of Applicable Groundwater Quality Standards (AGQS) (continued).

PARAMETER	UNITS	AGQS	Illinois 620	MCL
Dichloropropane, 1,2-*	ug/l	6.00		5
Dichloropropane, 1,3-; Trimethylene dichloride	ug/l	5.00		
Dichloropropane, 2,2-; Isopropylene chloride	ug/l	5.00		
Dichloropropene, 1,1-; 1,1-Dichloropropylene	ug/l	5.00		
Dichloropropene, 1,3-; 1,3-Dichloropropylene	ug/l	5.00		
Dichloropropene, cis-1,3-	ug/l	5.00		
Dichloropropene, trans-1,3-	ug/l	5.00		
Dieldrin	ug/l	0.25		
Diethyl phthalate	ug/l	100.00		6
Difluorobenzene, 1,4-; p-Difluorobenzene	ug/l	5.00		
Dimethyl phthalate	ug/l	100.00		
Dimethylphenol,2,4-	ug/l	100.00		
Endosulfan I	ug/l	0.12		
Endosulfan II	ug/l	0.25		
Endosulfan Sulfate	ug/l	0.25		
Endrin	ug/l	0.25		2
Endrin Aldehyde	ug/l	0.25	2	
Endrin Ketone	ug/l	0.25		
Ethyl acetate	ug/l	5.00		
Ethyl Alcohol; Ethanol	ug/l	100.00		
Ethyl Methacrylate	ug/l	5.00		
Ethylbenzene	ug/l	5.00		700
Ethylene dibromide (EDB); 1,2-Dibromoethane	ug/l	5.00		0.05
gamma-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane; Lindane	ug/l	0.50	0.2	0.2
Heptachlor*	ug/l	0.50	0.4	0.4
Heptachlor Epoxide*	ug/l	0.50	0.2	0.2
Hexachlorobutadiene	ug/l	100.00		
Hexanone, 2-; Methyl butyl ketone	ug/l	10.00		
Iodomethane; Methyl iodide	ug/l	10.00		
Isophorone	ug/l	100.00		
Methoxchlor	ug/l	1.20	40	40
Methyl chloride; chloromethane	ug/l	10.00		
Methyl-2-pentanone, 4-; Methyl isobutyl ketone	ug/l	10.00		
Methylene bromide; Dibromoethane	ug/l	5.00		
Methylene chloride; Dichloromethane	ug/l	8.00		5
Naphthalene	ug/l	100.00		
Nitrobenzene	ug/l	100.00		
Nitrophenol, 4-; p-Nitrohenol	ug/l	500.00		
Parathion; 0,0-Diethyl phosphorotioic acid	ug/l	1.00		
PCBs; Polychlorinated biphenyls	ug/l	2.50		0.5
Pentachlorophenol*	ug/l	500.00		1
Phenanthrene	ug/l	100.00		
Phenol	ug/l	100.00		

Table 2. Summary of Applicable Groundwater Quality Standards (AGQS) (continued).

PARAMETER	UNITS	AGQS	Illinois 620	MCL
Propanol, 1-; n-Propyl alcohol	ug/l	100.00		
Propanol, 2-; isopropyl alcohol	ug/l	160.00		
Propylbenzene, n-; 1-Phenylpropane	ug/l	5.00		
Silvex; 2-(2,4,5-trichlorophenoxy)propionic acid; 2,4,5-TP	ug/l	1.00	50	
Styrene; Ethenylbenzene	ug/l	10.00		100
Tetrachloroethane, 1,1,1,2-	ug/l	5.00		
Tetrachloroethane, 1,1,2,2-	ug/l	5.00		
Tetrachloroethene, 1,1,2,2-; Tetrachloroethylene	ug/l	26.00		5
Tetrahydrofuran; Tetramethylene oxide	ug/l	42.00		
Toluene; Methylbenzene	ug/l	20.00		
Toxaphene	ug/l	2.50	3	3
Trichlorobenzene, 1,2,3-	ug/l	5.00		
Trichlorobenzene, 1,2,4-	ug/l	5.00		70
Trichloroethane, 1,1,1-; Methylchloroform	ug/l	12.00		200
Trichloroethane, 1,1,2-	ug/l	5.00		5
Trichloroethylene, Trichloroethene	ug/l	66.00		5
Trichlorofluoromethane; Fluorotrichloromethane; Freon 11	ug/l	5.00		
Trichlorophenoxyacetic acid, 2,4,5-; 2,4,5-T	ug/l	1.00		50
Trichloropropane, 1,2,3-	ug/l	5.00		
Trimethylbenzene, 1,2,4-; Pseudocumene	ug/l	5.00		
Trimethylbenzene, 1,3,5-; Mesitylene	ug/l	5.00		
Vinyl acetate; Ethenyl ester acetic acid	ug/l	10.00		
Vinyl chloride; Chloroethene	ug/l	17.00		2
Xylene, —	ug/l	5.00		10000
Xylene, o-	ug/l	5.00		
Xylene, p-	ug/l	5.00		
Xylenes	ug/l	5.00		

Table 3. List of Monitoring Wells and Stream Gages to Be Sampled During Remedial Performance Assessment Monitoring, Pagel Landfill Facility, Winnebago County, Illinois.

Well	IEPA Well Designation	Top of Screen	Bottom of Screen	Hydrogeologic Unit
G109	G09D	717.1	706.1	Bedrock
G109A	G09M	684.3	679.3	Bedrock
G113	G13S	725.0	711.4	Bedrock
G113A	G44M	697.0	685.0	Bedrock
G114	G14D	722.0	709.9	Bedrock
G115	G42S	718.9	705.9	Unconsolidated Sediments
G116	G116	709.4	697.9	Unconsolidated Sediments
G116A	G16S	683.4	668.4	Unconsolidated Sediments
G116D	G116D	625.3	614.6	Bedrock
G117	G17S	713.4	697.4	Unconsolidated Sediments
G118R	G18S	713.3	701.5	Unconsolidated Sediments
G118A	G18D	681.5	672.5	Unconsolidated Sediments
R119	G119	707.1	697.1	Unconsolidated Sediments
G120B	G20D	617.6	607.5	Bedrock
G132	G41D	631.7	626.7	Bedrock
B15R	G15S	703.8	698.8	Unconsolidated Sediments
MW106	G41S	674.4	664.4	Unconsolidated Sediments
P1	G41M	694.7	689.7	Unconsolidated Sediments
P3R	G03S	712.1	698.4	Unconsolidated Sediments
P4R	G03M	693.0	678.7	Unconsolidated Sediments
G37D	G37D	637.3	627.3	Unconsolidated Sediments
G37S	G37S	698.5	693.5	Unconsolidated Sediments
G36	G36S	683.3	673.3	Unconsolidated Sediments
G33S	G33S	704.0	694.0	Unconsolidated Sediments
G33D	G33D	674.1	664.1	Unconsolidated Sediments
G34S	G34S	702.9	692.6	Unconsolidated Sediments
G34D	G34D	658.6	648.6	Unconsolidated Sediments
G35D	G35D	674.3	664.3	Unconsolidated Sediments
G35S	G35S	704.3	694.3	Unconsolidated Sediments
G130	G130	705.5	695.5	Unconsolidated Sediments
G38	G38S	694.9	684.9	Unconsolidated Sediments
G39	G39S	688.7	679.1	Unconsolidated Sediments
G40	G40S	702.8	693.2	Unconsolidated Sediments
SG1	SG1	NA	NA	Stream Gage
SG3	SG3	NA	NA	Stream Gage
SG4	SG3	NA	NA	Stream Gage

NA = Not Applicable

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures.

LIST 1 - (Indicator List)

FIELD PARAMETERS	CAS Number	Method	UNITS
Bottom of Well<MSL>	n/a	Field	ft
Depth to Water<BLGS>	n/a	Field	ft
Depth to Water<BLTOIC>	n/a	Field	ft
Groundwater Elev. <MSL>	n/a	Field	ft
pH(unfiltered)	n/a	Field	units
Specific Conductance<unfiltered, umhos/cm 25C>	n/a	Field	umhos
Water Temp<deg. F>	n/a	Field	deg

MISCELLANEOUS CONSTITUENTS	CAS Number	Method	UNITS
Alkalinity (total)	n/a	E310.2	mg/l
Biological Oxygen Demand (BOD)	n/a	E405.1	mg/l
Chemical Oxygen Demand (COD)	n/a	E410.4	mg/l
Total Dissolved Solids (TDS)	n/a	E160.1	mg/l
Total Organic Carbon (TOC)	n/a	E415.1	mg/l

INORGANIC PARAMETERS	CAS Number	Method	UNITS
Ammonia	7664-41-7	E350.2	ug/l
Arsenic	7440-38-2	E206.2	ug/l
Cadmium(dis)	7440-43-9	E213.2	ug/l
Calcium(dis)	7440-70-2	E200.7	ug/l
Chloride(dis)	6887-00-6	E325.2	ug/l
Chromium (dis)	7440-47-3	E200.7	ug/l
Copper (dis)	7440-50-8	E200.7	ug/l
Cyanide (Total as Cn-)	57-12-5	E335.3	ug/l
Iron (dis)	7439-89-6	E200.7	ug/l
Magnesium(dis)	7439-95-4	E200.7	ug/l
Manganese(dis)	7439-96-5	E200.7	ug/l
Nickel (dis)	7440-02-0	E200.7	ug/l
Nitrate (as Nitrogen)	7727-37-9	E353.2	ug/l
Potassium(dis)	7440-09-7	*V	ug/l
Sodium(dis)	7440-23-5	E200.7	ug/l
Sulfates	4808-79-8	E375.2	ug/l
Zinc (dis)	7440-66-6	E200.7	ug/l

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

FIELD PARAMETERS	CAS Number	Method	UNITS
Bottom of Well<MSL>	n/a	Field	ft
Depth to Water<BLGS>	n/a	Field	ft
Depth to Water<BLTOIC>	n/a	Field	ft
Groundwater Elev. <MSL>	n/a	Field	ft
pH(unfiltered)	n/a	Field	units
Specific Conductance<unfiltered, umhos/cm 25C>	n/a	Field	umhos
Water Temp<deg. F>	n/a	Field	deg

MISCELLANEOUS CONSTITUENTS	CAS Number	Method	UNITS
Alkalinity (total)	n/a	E310.2	mg/l
Biological Oxygen Demand (BOD)	n/a	E405.1	mg/l
Chemical Oxygen Demand (COD)	n/a	E410.4	mg/l
Total Dissolved Solids (TDS)	n/a	E160.1	mg/l
Total Organic Carbon (TOC)	n/a	E415.1	mg/l

LIST 2 - (Annual Organics and Inorganics)

INORGANIC PARAMETERS	CAS Number	Method	UNITS
Aluminum	7429-90-5	E200.7	ug/l
Aluminum (dis)			ug/l
Ammonia	7664-41-7	E350.2	ug/l
Antimony	7440-36-0	E200.7	ug/l
Antimony (dis)			ug/l
Arsenic	7440-38-2	E206.2	ug/l
Arsenic (dis)			ug/l
Barium	7440-39-3	E200.7	ug/l
Barium (dis)			ug/l
Beryllium	7440-41-7	E200.7	ug/l
Beryllium (dis)			ug/l
Boron	7440-42-8	E200.7	ug/l
Boron (dis)			ug/l
Cadmium	7440-43-9	E213.2	ug/l
Cadmium(dis)			ug/l
Calcium	7440-70-2	E200.7	ug/l

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

INORGANIC PARAMETERS Cont'd	CAS Number	Method	UNITS
Calcium (dis)			ug/l
Chloride(dis)	6887-00-6	E325.2	ug/l
Chromium	7440-47-3	E200.7	ug/l
Chromium (dis)			ug/l
Cobalt	7440-48-4	E200.7	ug/l
Cobalt (dis)			ug/l
Copper	7440-50-8	E200.7	ug/l
Copper (dis)			ug/l
Cyanide (Total as Cn-)	57-12-5	E335.3	ug/l
Fluoride (Total as F-)	7782-41-4	E340.2	ug/l
Iron (Total)	7439-89-6	E200.7	ug/l
Iron (dis)			ug/l
Lead	7439-92-1	E239.2	ug/l
Lead (disl)			ug/l
Magnesium	7439-95-4	E200.7	ug/l
Magnesium (dis)	7439-95-4	E200.7	ug/l
Manganese	7439-96-5	E200.7	ug/l
Manganese (dis)			ug/l
Mercury	7439-97-6	E245.1	ug/l
Mercury (dis)			ug/l
Nickel	7440-02-0	E200.7	ug/l
Nickel (dis)			ug/l
Nitrate (as Nitrogen)	7727-37-9	E353.2	ug/l
Potassium	7440-09-7	*V	ug/l
Potassium(dis)	7440-09-7	*V	ug/l
Selenium	7782-49-2	E270.2	ug/l
Selenium (dis)			ug/l
Silver	7440-22-4	E200.7	ug/l
Silver (dis)			ug/l
Sodium	7440-23-5	E200.7	ug/l
Sodium[dis]	7440-23-5	E200.7	ug/l
Sulfates	4808-79-8	E375.2	ug/l
Thallium	7440-28-0	E279.2	ug/l
Thallium (dis)			ug/l
Tin	7440-31-5	E200.7	ug/l
Tin (dis)			ug/l
Vanadium	7440-62-2	E200.7	ug/l
Vanadium (dis)			ug/l
Zinc	7440-66-6	E200.7	ug/l
Zinc (dis)			ug/l

* Analytical Methods for Flame Spectrophotometr y, Varian, 1979

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

ORGANIC CONSTITUENTS	CAS Number	Method	UNITS
2,4-D;2,4-dichlorophenoxy-acetic acid	94-75-7	SW8260	ug/l
Acetone;2-Propane	67-64-1	SW8270	ug/l
Acrolein	107-02-8	SW8080	ug/l
Acrylonitrile;2-Propenenitrile	107-13-1	SW8150	ug/l
Alachor*	15972-60-8	SW8015	ug/l
Aldicarb; Temik	116-06-3	E619	ug/l
Aldrin; Aldrex	309-00-2		ug/l
Atrazine	1912-24-9		ug/l
Benzene*	71-43-2		ug/l
Benzoic Acid	65-85-0		ug/l
bis (2-Chloroethoxy) methane	111-91-1		ug/l
bis (2-Ethylhexyl) phthalate	117-81-7		ug/l
bis Chloromethyl ether	542-88-1		ug/l
Bromobenzene; Phenyl bromide	108-86-1		ug/l
Bromochloromethane; Chlorobromomethane	74-97-5		ug/l
Bromodichloromethane; Dibromochloromethane	75-27-4		ug/l
Bromoform; Tribromomethane	75-25-2		ug/l
Bromomethane; Methyl bromide	74-83-9		ug/l
Butanol,1 n-Butyl alcohol	71-36-3		ug/l
Butanol 1,2;sec-butyl alcohol	78-92-2		ug/l
Butanone, 2-; Methyl ethyl ketone; MEK	73-93-3		ug/l
Butylbenzene, n-; 1-Phenylbutane	104-51-8		ug/l
Butylbenzene, sec-; (1-Methylpropyl)benzene	135-98-8		ug/l
Butylbenzene, tert-; (1,1-Dimethylethly)benzene	98-06-6		ug/l
Butylbenzyl phthalate	85-68-7		ug/l
Carbofuran	1563-66-2		ug/l
Carbon disulfide	75-15-0		ug/l
Carbon tetrachloride	56-23-5		ug/l
Chlordane*	57-74-9		ug/l
Chlorobenzene; Monochlorobenzene	108-90-7		ug/l
Chlorodibromomethane; Dibromochloromethane	124-48-1		ug/l
Chloroethane; ethyl chloride	75-00-3		ug/l
Chloroethyl Vinyl Ether, 2-; (2-Chloroethoxy)ethene	110-75-8		ug/l
Chloroform; Trichloromethane	67-66-3		ug/l
Chloronaphthalene, 2	91-58-7		ug/l
Chlorotoluene, o-	95-49-8		ug/l
Chlorotoluene, p-	106-43-4		ug/l
Cresol, p-; cresol, 4-methylphenol	106-44-5		ug/l
Cumene; (1-Methylethyl)benzene; Isopropylbenzene	98-82-8		ug/l
Cymene; p-Isopropyltoluene, Dolcymene	25515-15-1		ug/l
Dalapon			

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

ORGANIC CONSTITUENTS Cont'd	CAS Number	Method	UNITS
DDD;1,1'-(2,2-dichloroethylidene)bis[4 chlorobenzene]	72-54-8		ug/l
DDE;1,1'''--(dichloroethenylidene)bis[4 chlorobenzene]	72-55-9		ug/l
DDT; 1,1'-(2,2,2-Trichloroethylidene)bis[4-chlorbenzene	50-29-3		ug/l
Di-n-butyl pthalate; Dibutyl pthalate	84-74-2		ug/l
Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8		ug/l
Dichloro-2-butene, trans-1,4-	110-57-6		ug/l
Dichlorobenzene, 1,2; o-Dichlorobenzene	95-50-1		ug/l
Dichlorobenzene, 1,3; m-Dichlorobenzene	541-73-1		ug/l
Dichlorobenzene, 1,4; p-Dichlorobenzene	106-46-7		ug/l
Dichlorodifluoromethane; Difluorodichloromethane; Freon 12	75-71-8		ug/l
Dichloroethane, 1,1-; Ethylidene chloride	75-34-3		ug/l
Dichloroethane, 1,2-; ethylene dichloride*	107-06-2		ug/l
Dichloroethylene, 1,1-	75-35-4		ug/l
Dichloroethylene, 1,2-	540-59-0		ug/l
Dichloroethylene, cis-1,2-	156-59-0		ug/l
Dichloroethylene, trans-1,2-	156-60-5		ug/l
Dichloropropane, 1,2-*	78-87-5		ug/l
Dichloropropane, 1,3-; Trimethylene dichloride	142-28-9		ug/l
Dichloropropane, 2,2-; Isopropylene chloride	594-20-7		ug/l
Dichloropropene, 1,1-; 1,1-Dichloropropylene	563-58-6		ug/l
Dichloropropene, 1,3-; 1,3-Dichloropropylene	542-75-6		ug/l
Dichloropropene, cis-1,3-	10060-01-2		ug/l
Dichloropropene, trans-1,3-	10061-02-6		ug/l
Dieldrin	60-57-1		ug/l
Diethyl phthalate	84-66-2		ug/l
Difluorobenzene, 1,4-; p-Difluorobenzene	540-36-3		ug/l
Dimethyl phthalate	131-11-3		ug/l
Dimethylphenol,2,4-	1300-71-6		ug/l
Dinoseb			
Endosulfan I	959-98-8		ug/l
Endosulfan II	33213-65-9		ug/l
Endosulfan Sulfate	1031-07-8		ug/l
Endothall			
Endrin	72-20-8		ug/l
Endrin Aldehyde	7421-93-4		ug/l
Endrin Ketone			ug/l
Ethyl acetate	141-78-6		ug/l
Ethyl Alchohol; Ethanol	64-17-5		ug/l
Ethyl Methacrylate	97-63-2		ug/l
Ethylbenzene	100-41-4		ug/l
Ethylene dibromide (EDB); 1,2-Dibromoethane	106-93-4		ug/l

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

ORGANIC CONSTITUENTS Cont'd	CAS Number	Method	UNITS
gamma-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane; Lindane	58-89-9		ug/l
Heptachlor*	76-44-8		ug/l
Heptachlor Epoxide*	1024-57-3		ug/l
Hexachlorobutadiene	87-68-3		ug/l
Hexanone, 2-; Methyl butyl ketone	591-78-6		ug/l
Iodomethane; Methyl iodide	74-88-4		ug/l
Isophorone	78-59-1		ug/l
Methoxchlor	72-43-5		ug/l
Methyl chloride; chloromethane	74-87-3		ug/l
Methyl-2-pentanone, 4-; Methyl isobutyl ketone	108-10-1		ug/l
Methylene bromide; Dibromoethane	74-95-3		ug/l
Methylene chloride; Dichloromethane	75-09-2		ug/l
Naphthalene	91-20-3		ug/l
Nitrobenzene	98-95-3		ug/l
Nitrophenol, 4-; p-Nitrohenol	100-07-7		ug/l
Parathion; 0,0-Diethyl phosphorotioic acid	56-38-2		ug/l
PCBs; Polychlorinated biphenyls*	1336-36-3		ug/l
Pentachlorophenol*	87-86-5		ug/l
Phenanthrene	85-01-8		ug/l
Phenol	108-95-2		ug/l
Picloram			
Propanol, 1-; n-Propyl alcohol	71-23-8		ug/l
Propanol, 2-; isopropyl alcohol	67-63-0		ug/l
Propylbenzene, n-; 1-Phenylpropane	103-65-1		ug/l
Silvex; 2-(2,4,5-trichlorophenoxy)propionic acid; 2,4,5-TP	93-72-1		ug/l
Simazine			
Styrene; Ethenylbenzene	100-42-5		ug/l
Tetrachloroethane, 1,1,1,2-	630-20-6		ug/l
Tetrachloroethane, 1,1,2,2-	79-34-5		ug/l
Tetrachloroethene, 1,1,2,2-; Tetrachloroethylene*	127-18-4		ug/l
Tetrahydrofuran; Tetramethylene oxide	109-99-9		ug/l
Toluene; Methylbenzene	108-88-3		ug/l
Toxaphene	8001-35-2		ug/l
Trichlorobenzene, 1,2,3-	87-61-6		ug/l
Trichlorobenzene, 1,2,4-	120-82-1		ug/l
Trichloroethane, 1,1,1-; Methylchloroform	71-55-6		ug/l
Trichloroethane, 1,1,2-	79-00-5		ug/l
Trichloroethylene, Trichloroethene	79-01-6		ug/l
Trichlorofluoromethane; Fluorotrichloromethane; Freon 11	75-69-4		ug/l
Trichlorophenoxyacetic acid, 2,4,5-; 2,4,5-T	93-76-5		ug/l
Trichloropropane, 1,2,3-	96-18-4		ug/l

Table 4. Groundwater sampling parameter list for evaluating the effectiveness of source reduction and natural attenuation remedial measures (continued).

LIST 2 - (Annual Organics and Inorganics)

ORGANIC CONSTITUENTS Cont'd	CAS Number	Method	UNITS
Trimethylbenzene, 1,2,4-; Pseudocumene	95-63-6		ug/l
Trimethylbenzene, 1,3,5-; Mesitylene	108-67-8		ug/l
Vinyl acetate; Ethenyl ester acetic acid	108-05-4		ug/l
Vinyl chloride; Chloroethene*	75-01-4		ug/l
Xylene, —	108-38-3		ug/l
Xylene, o-	95-47-6		ug/l
Xylene, p-	106-42-3		ug/l
Xylenes	1330-20-7		ug/l

ATTACHMENT 3

ATTACHMENT 3

FIGURES

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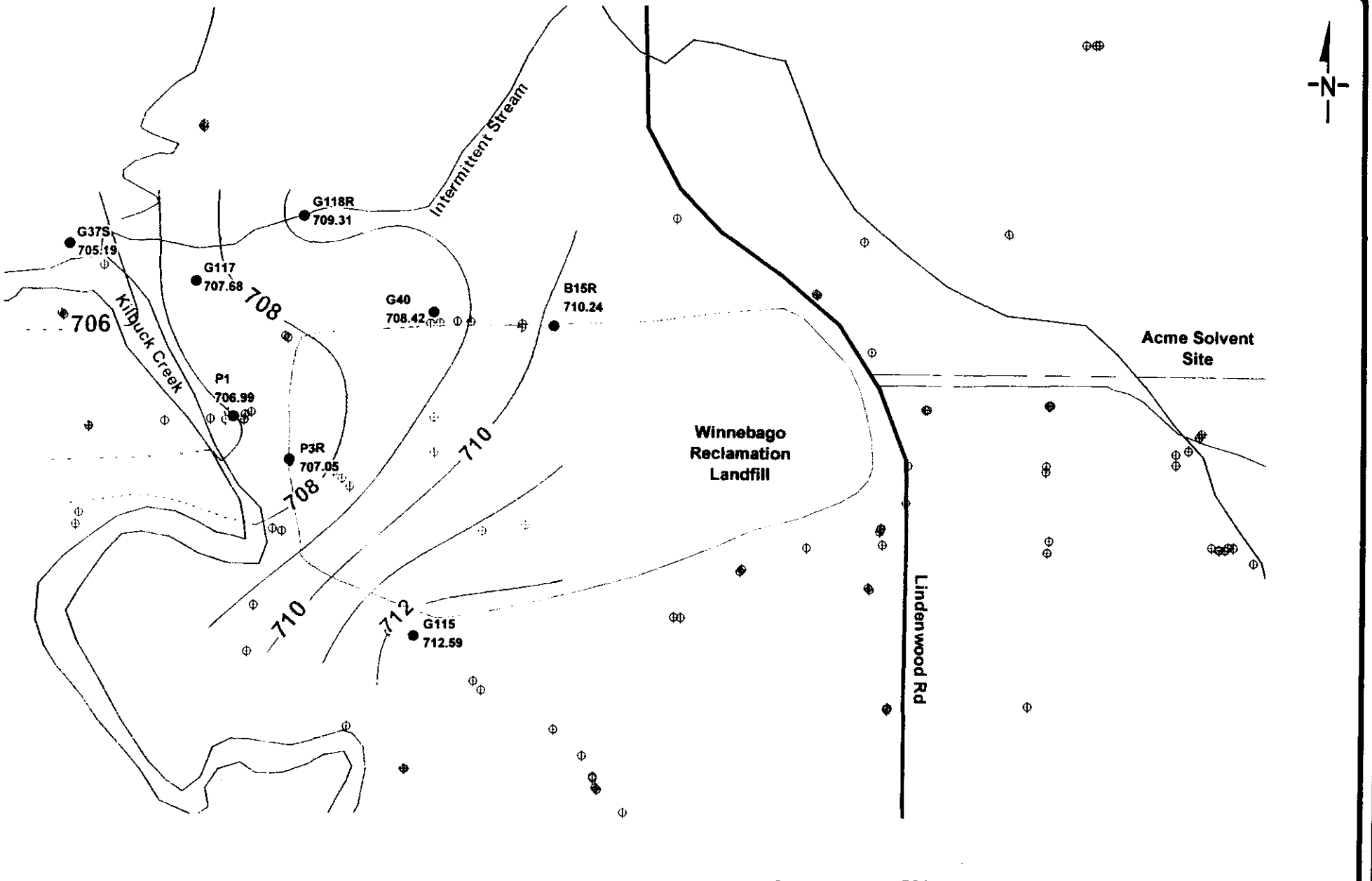

Figure 1. November 1996 water level elevations (ft, MSL) for the upper zone of the sand and gravel aquifer.

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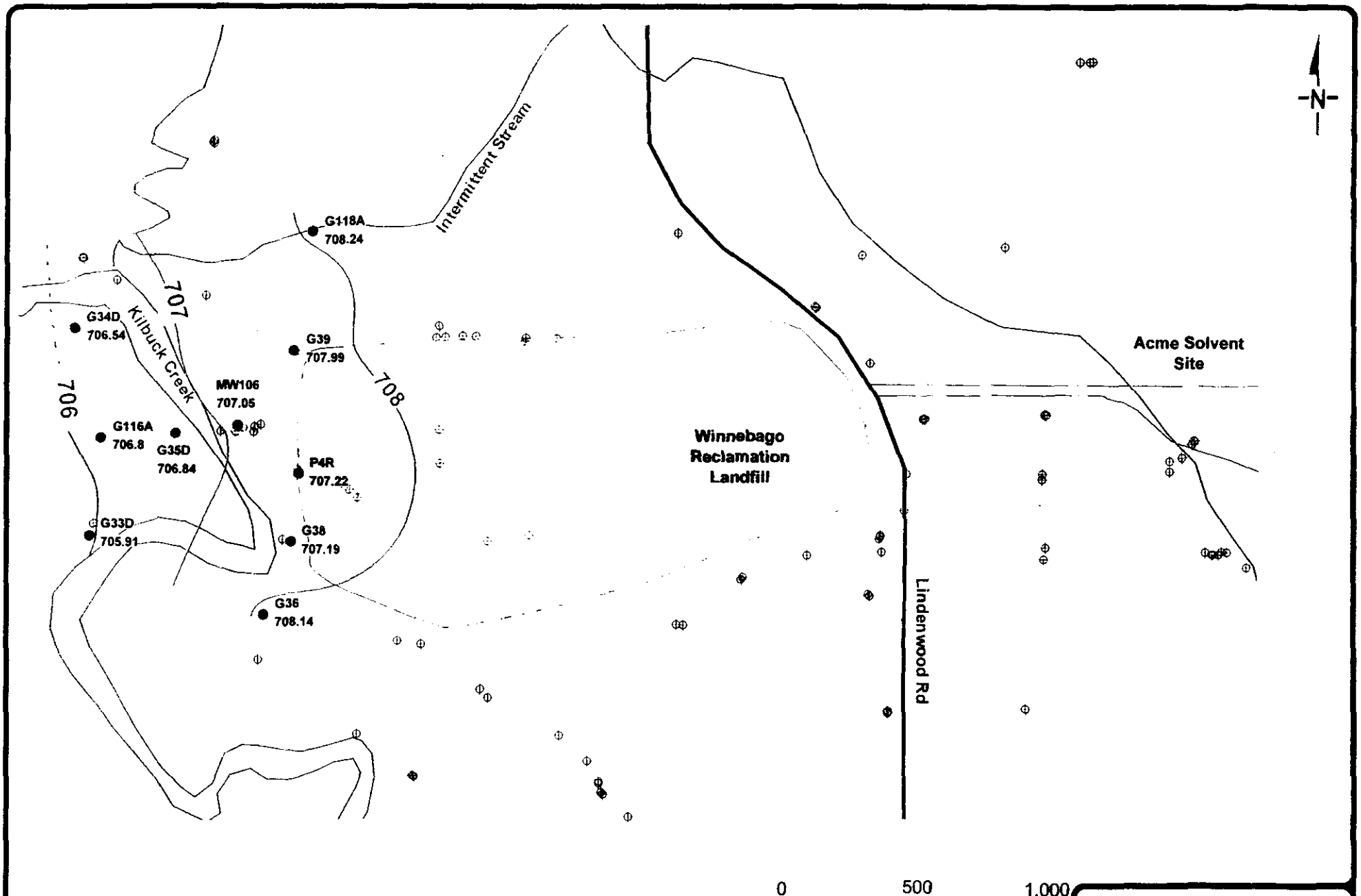

Figure 2. November 1996 water level elevations (ft, MSL) for the lower zone of the sand and gravel aquifer.

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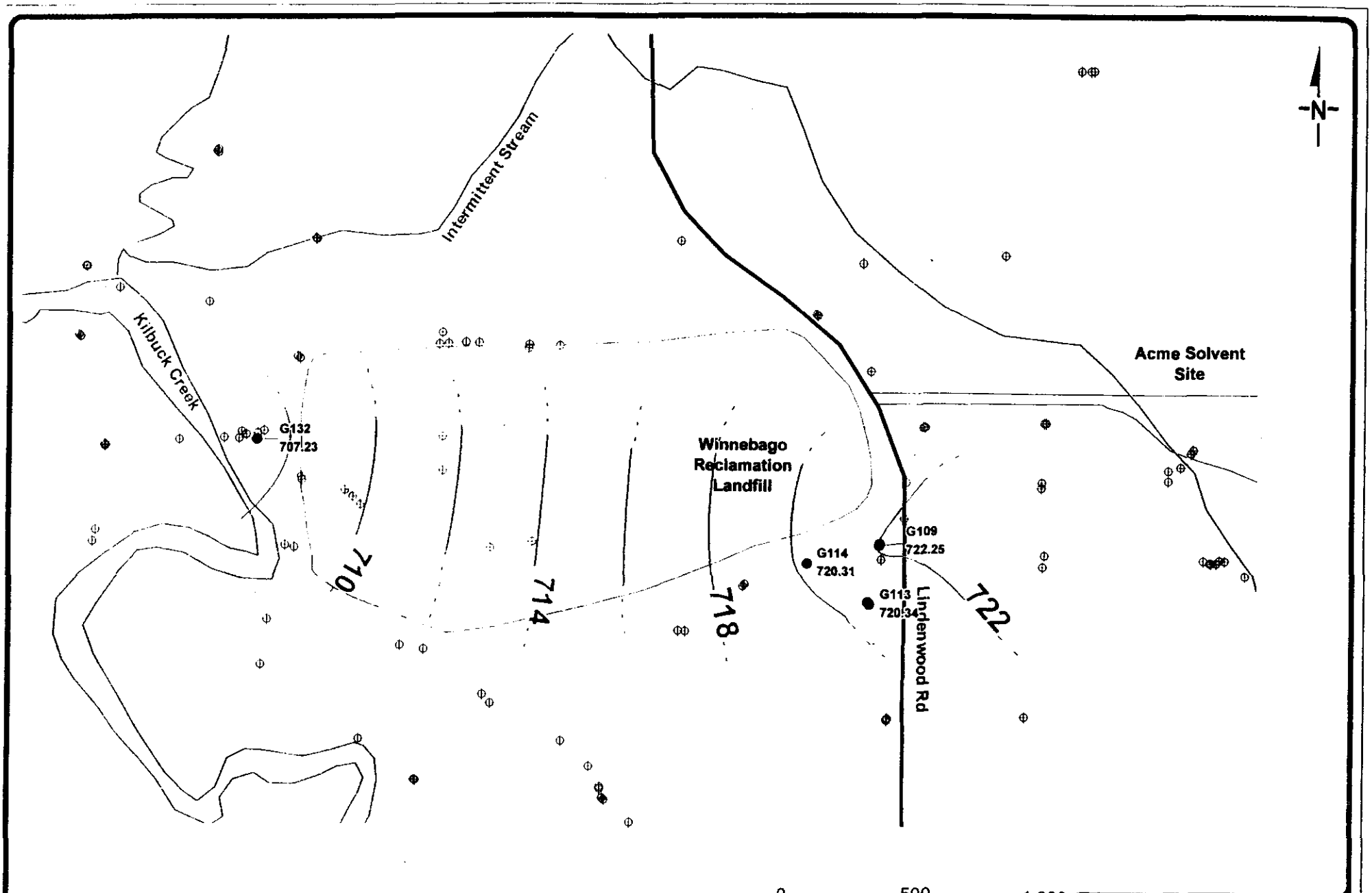

Figure 3. November 1996 water level elevations (ft, MSL) for the shallow zone of the bedrock aquifer.

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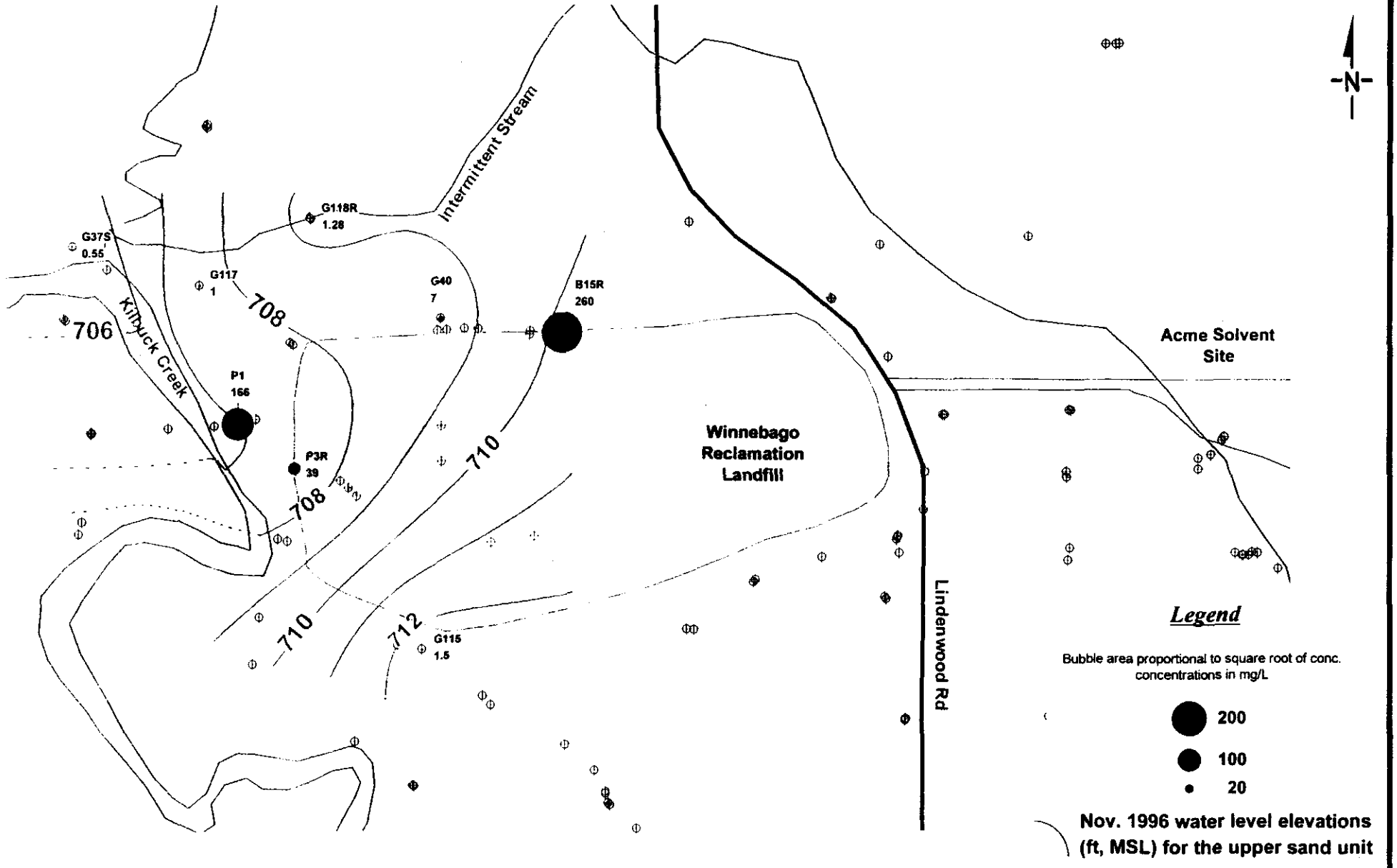

Figure 4. November 1996 ammonia (nitrogen) results for the upper zone of the sand and gravel aquifer.

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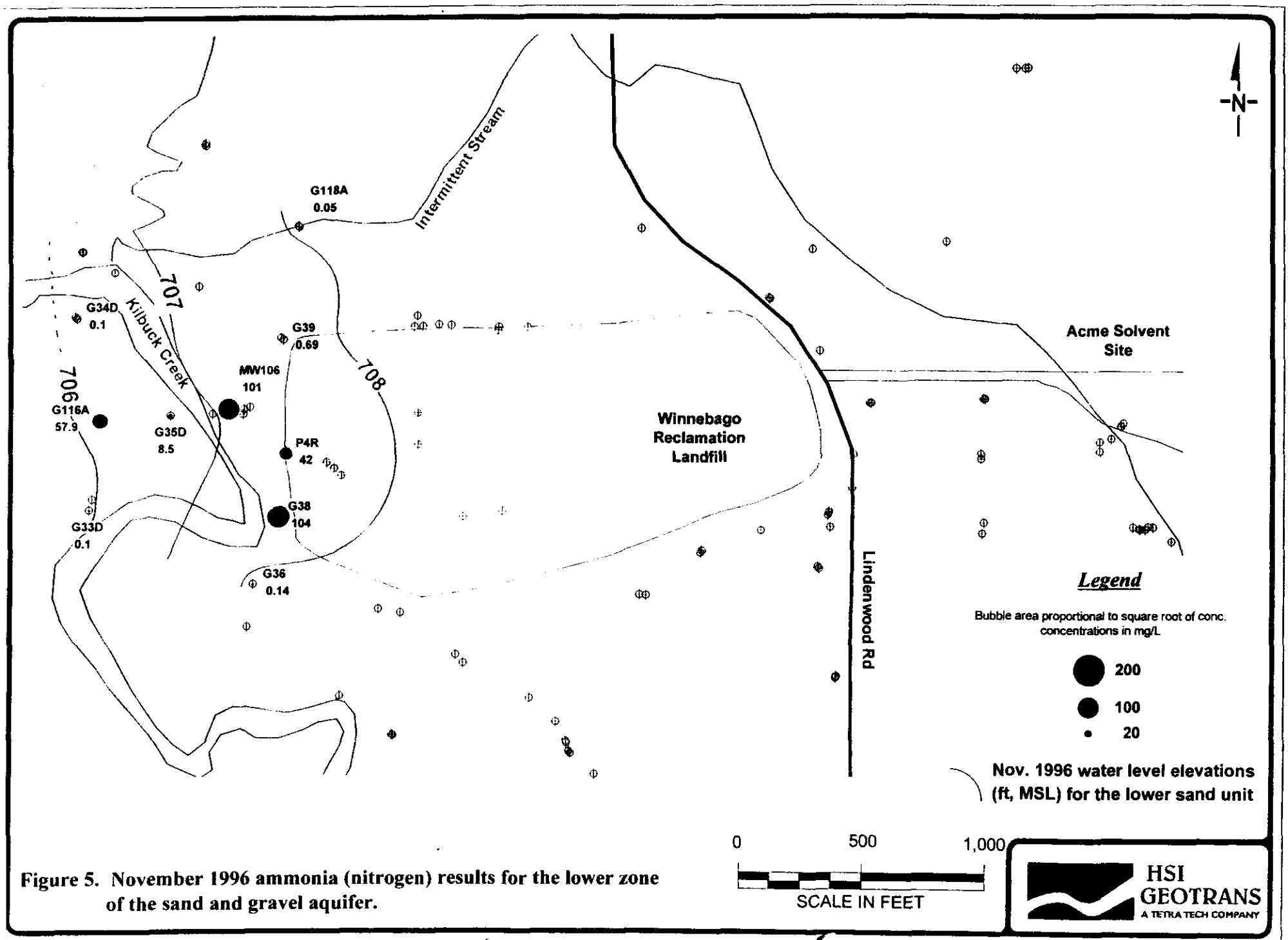

Figure 5. November 1996 ammonia (nitrogen) results for the lower zone of the sand and gravel aquifer.

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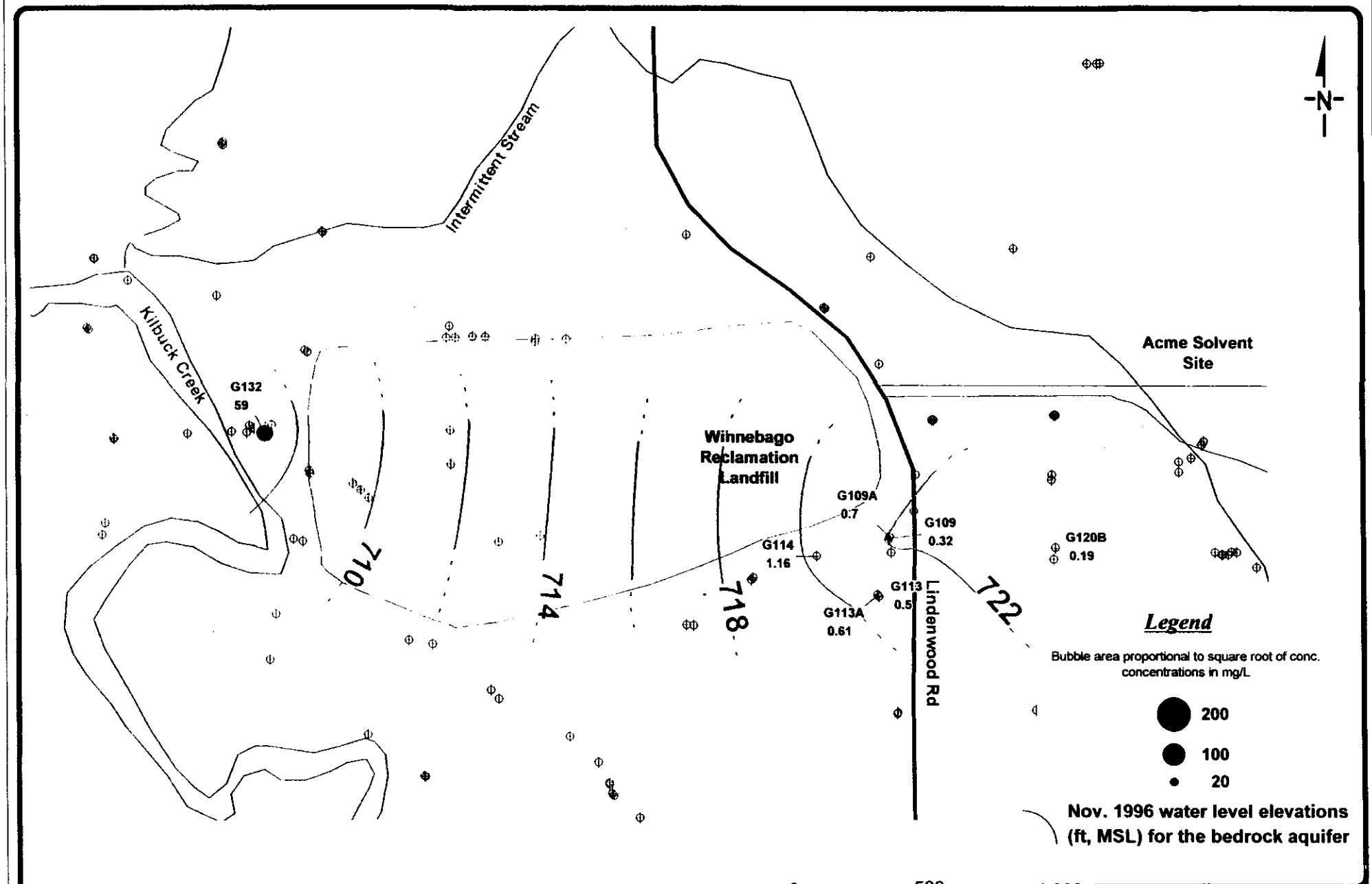

Figure 6. November 1996 ammonia (nitrogen) results for the bedrock aquifer.

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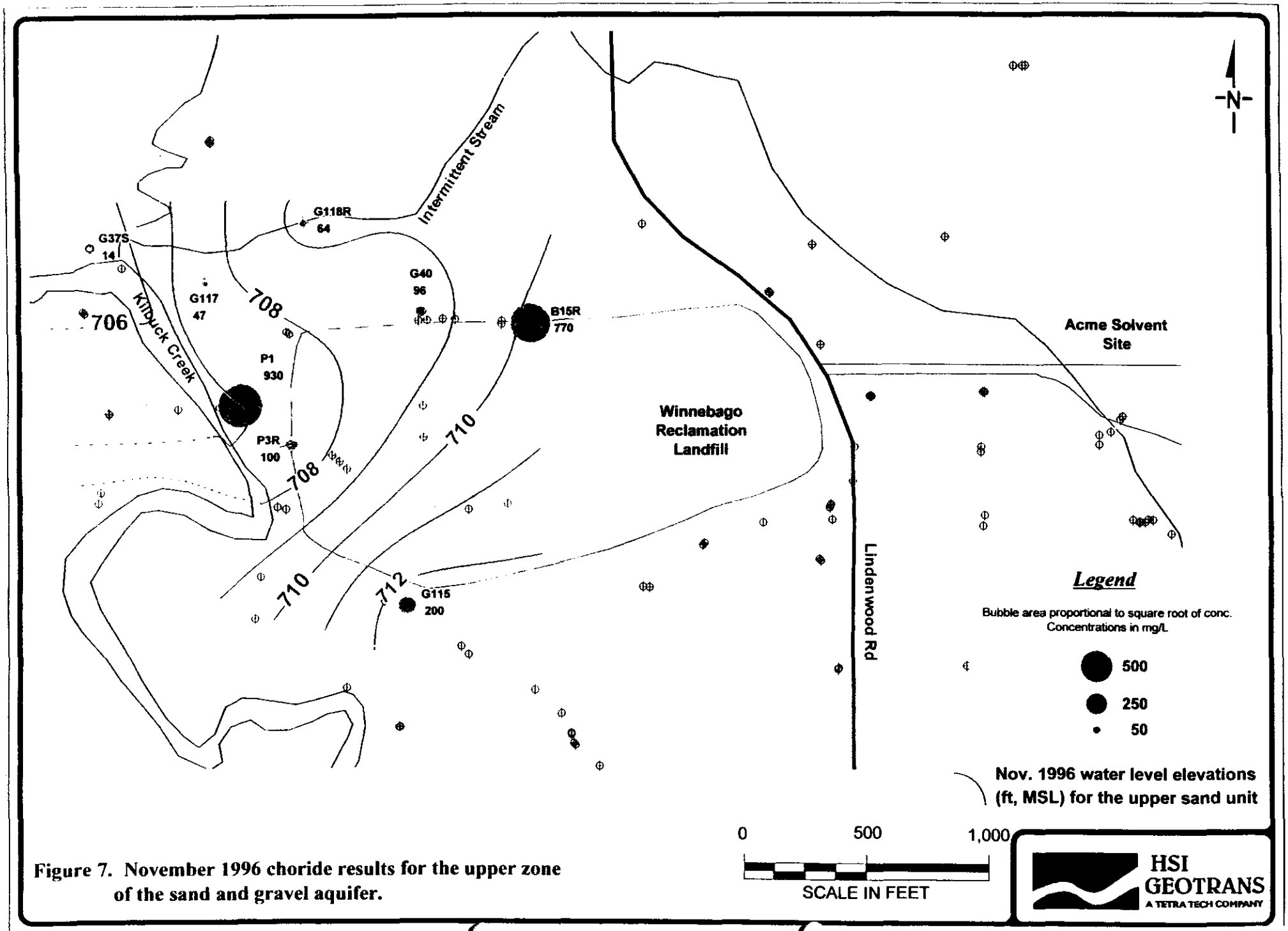

Figure 7. November 1996 choride results for the upper zone of the sand and gravel aquifer.

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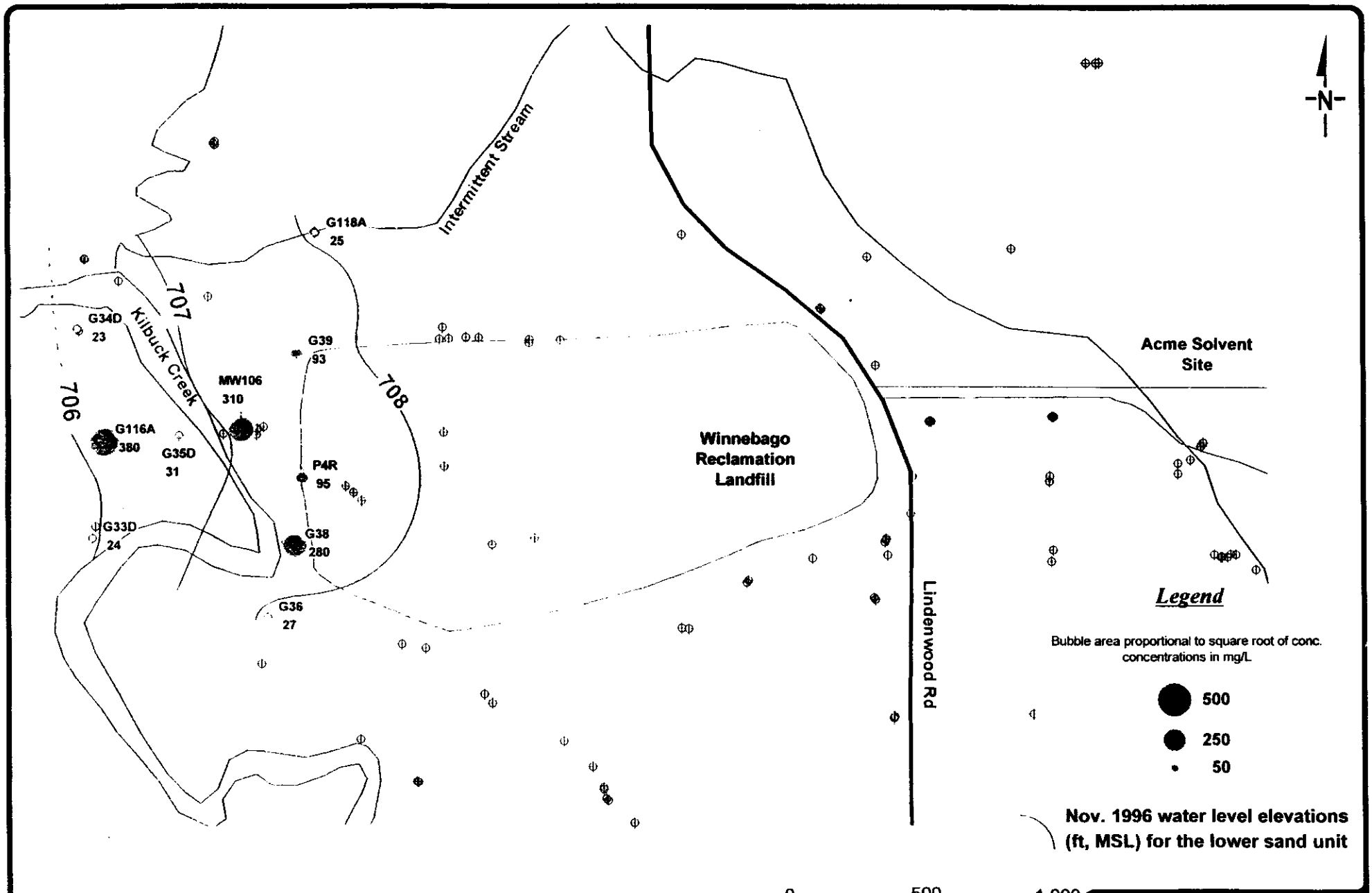

Figure 8. November 1996 chloride results for the lower zone of the sand and gravel aquifer.

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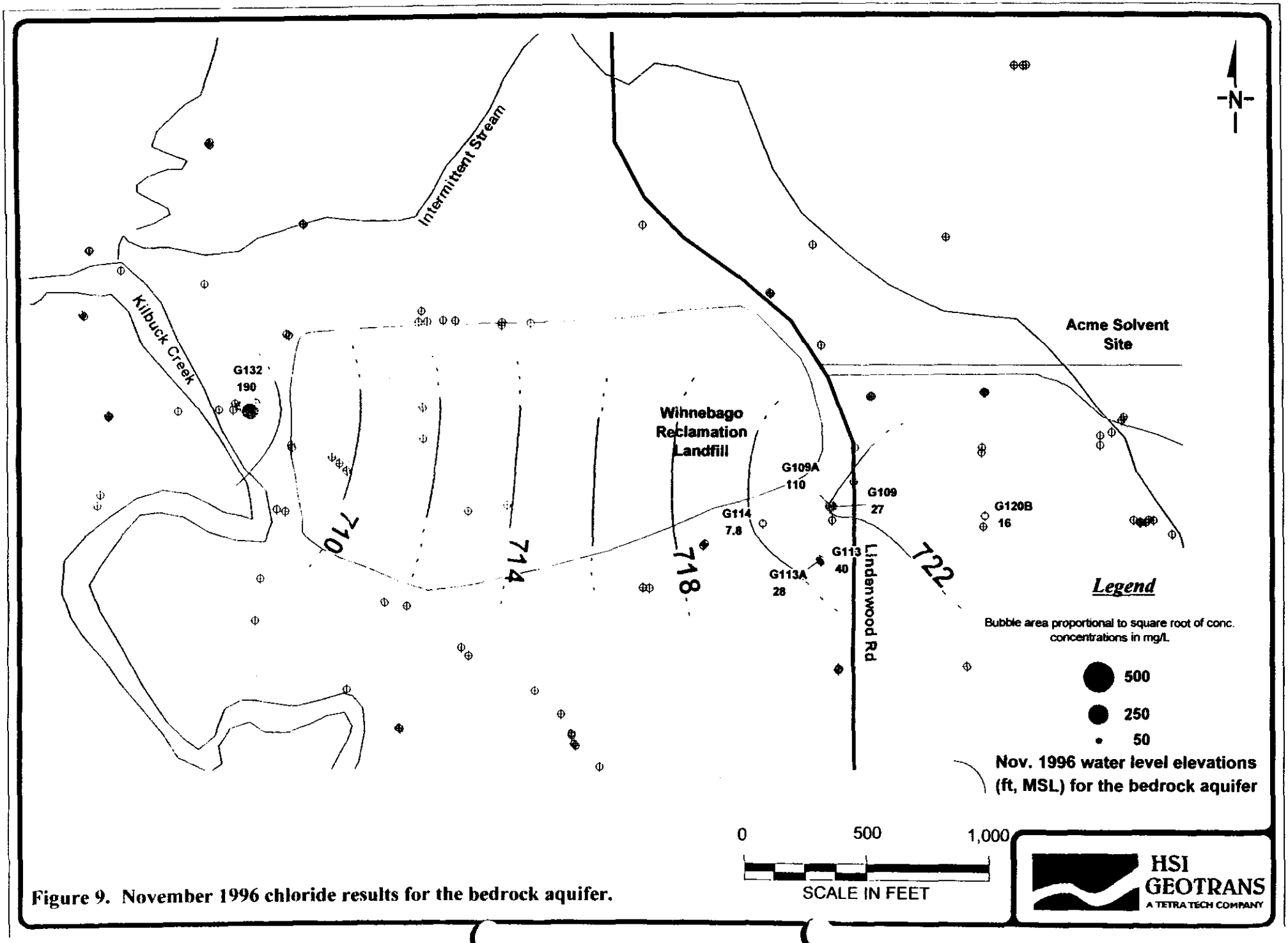

Figure 9. November 1996 chloride results for the bedrock aquifer.

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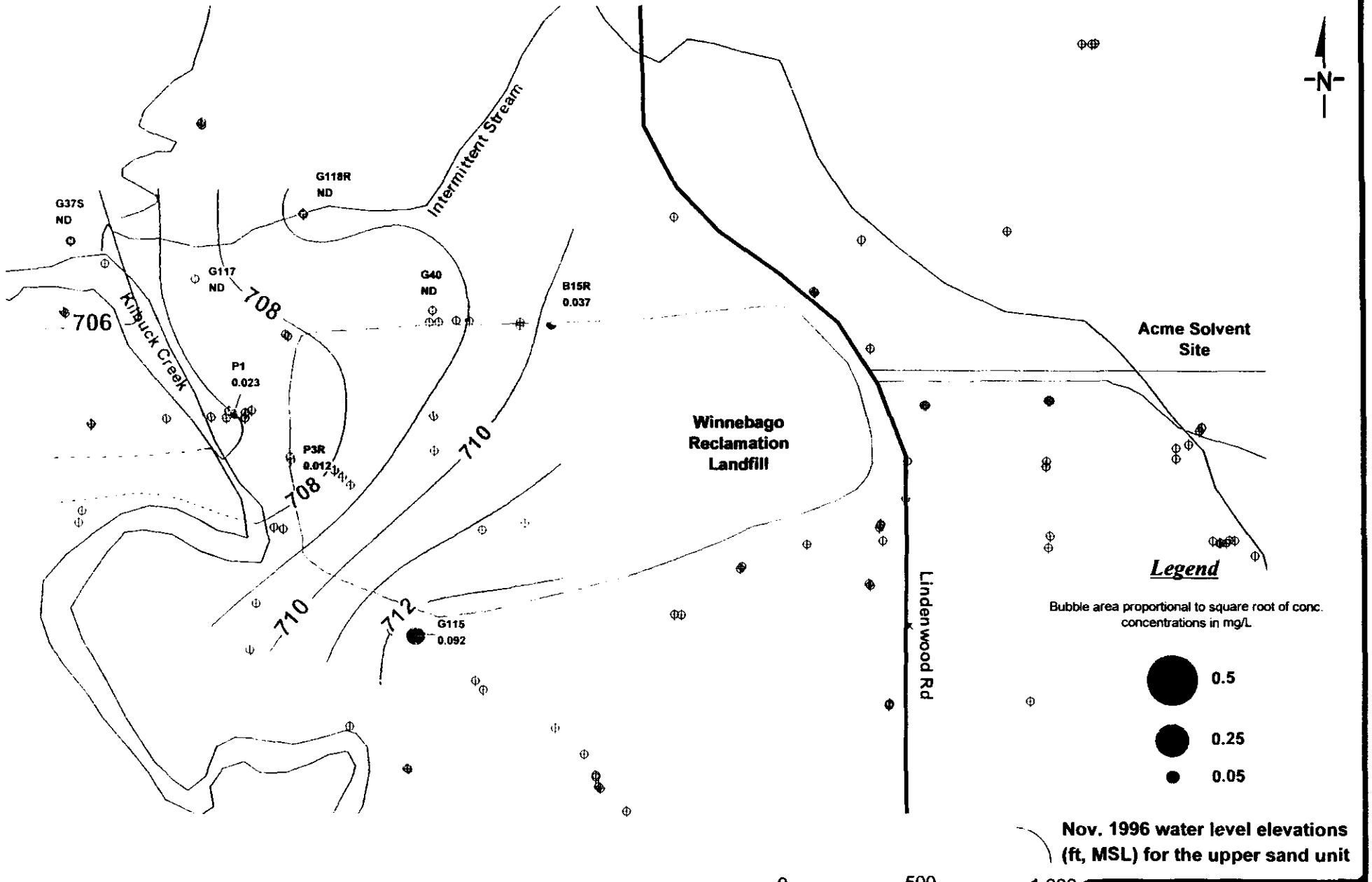

Figure 10. November 1996 arsenic results for the upper zone of the sand and gravel aquifer.

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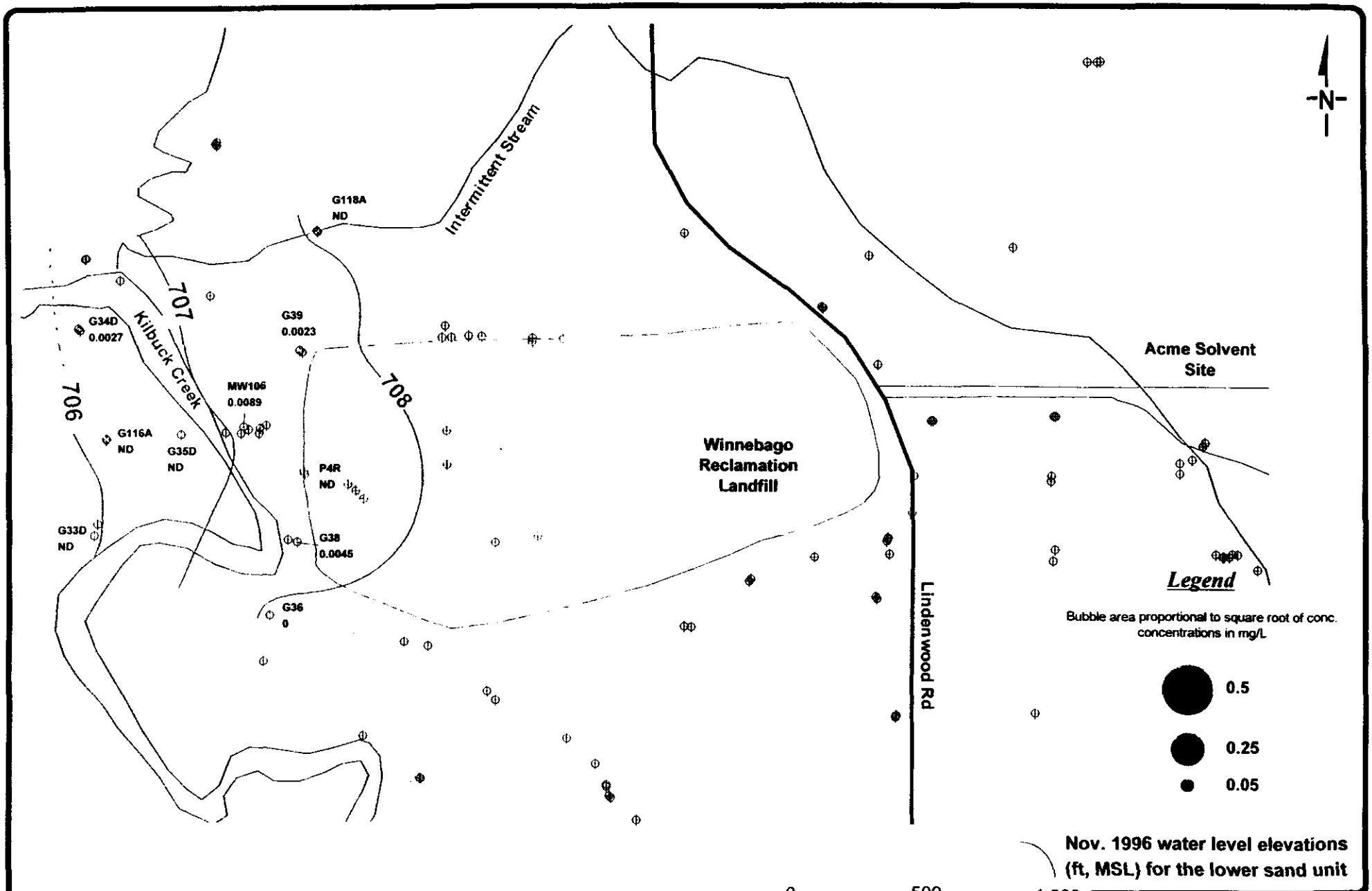

Figure 11. November 1996 arsenic results for the lower zone of the sand and gravel aquifer.

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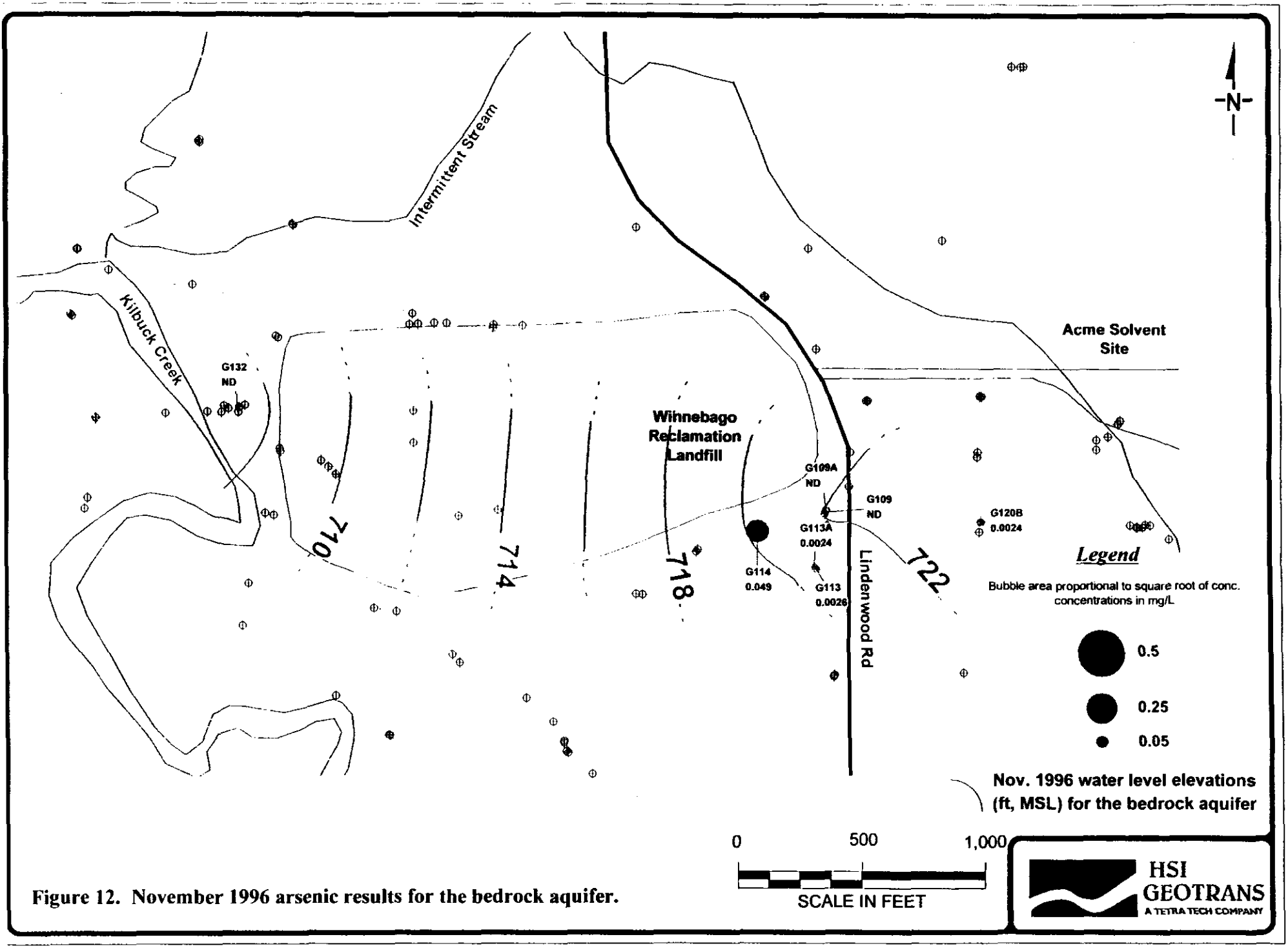

Figure 12. November 1996 arsenic results for the bedrock aquifer.

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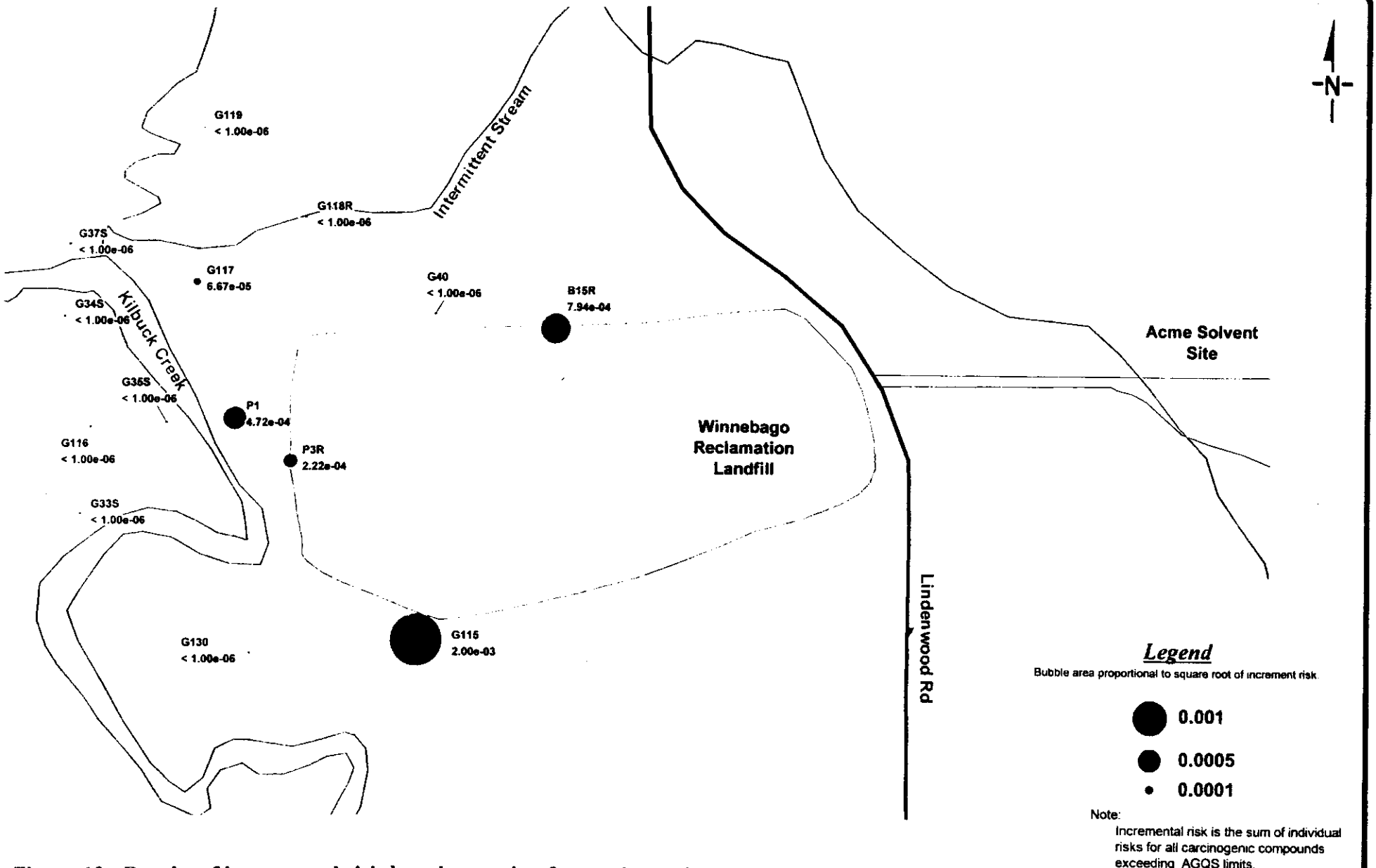

Figure 13. Results of incremental risk-based screening for carcinogenic compounds in the upper zone of the sand and gravel aquifer based on groundwater samples collected from March 1995 to November 1996.

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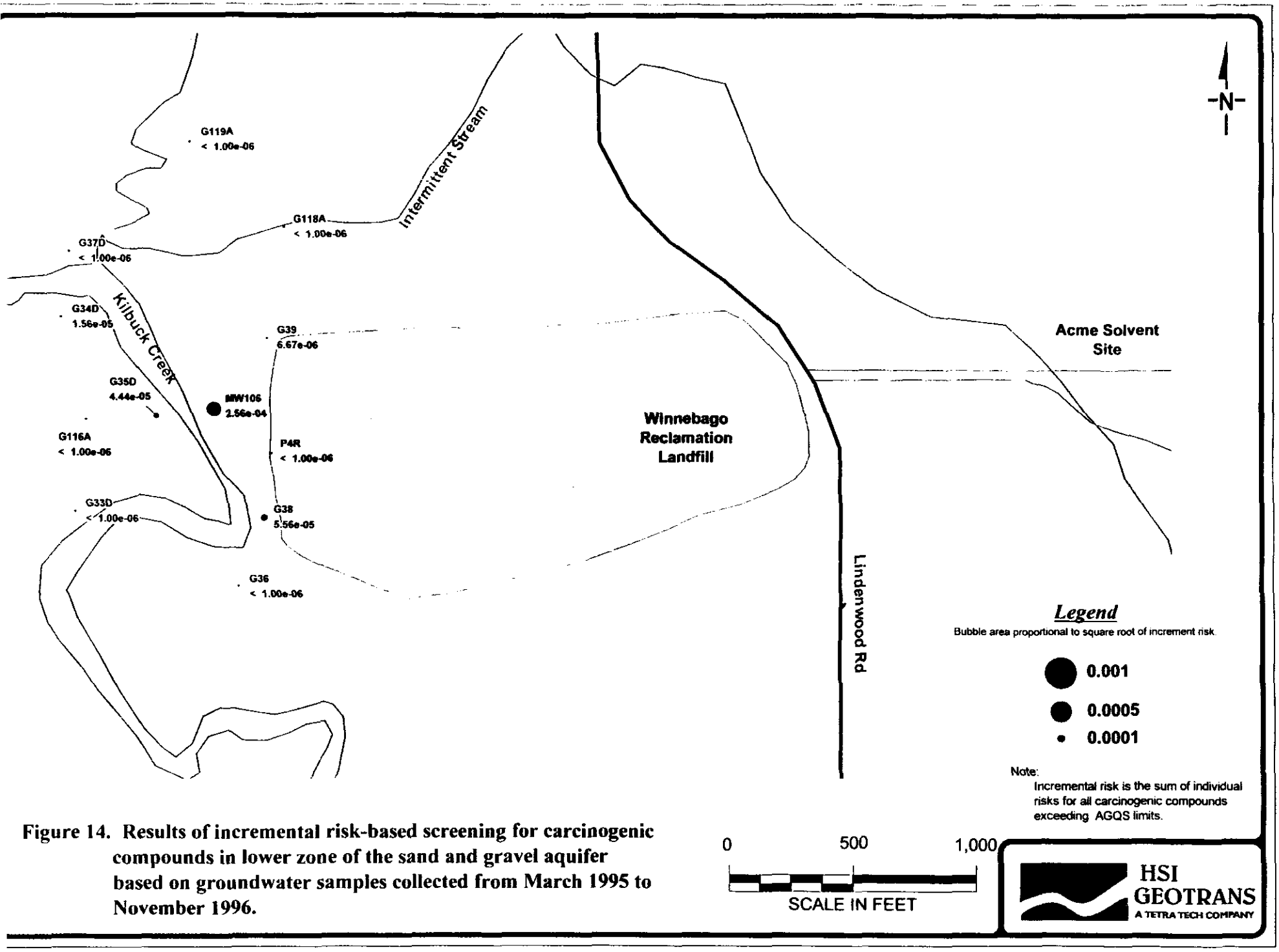

Figure 14. Results of incremental risk-based screening for carcinogenic compounds in lower zone of the sand and gravel aquifer based on groundwater samples collected from March 1995 to November 1996.

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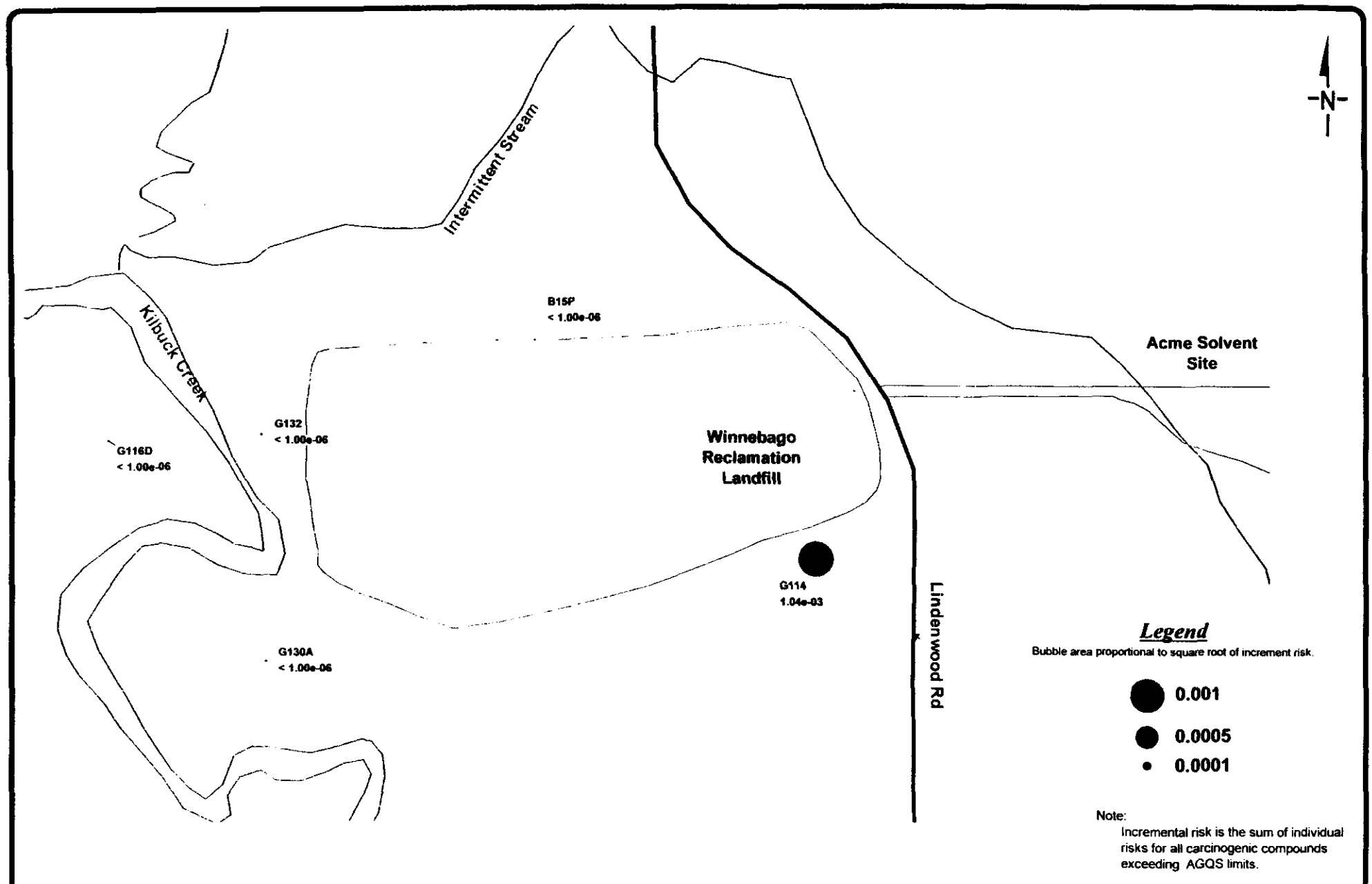

Figure 15. Results of incremental risk-based screening for carcinogenic compounds in the bedrock aquifer based on groundwater samples collected from March 1995 to November 1996.

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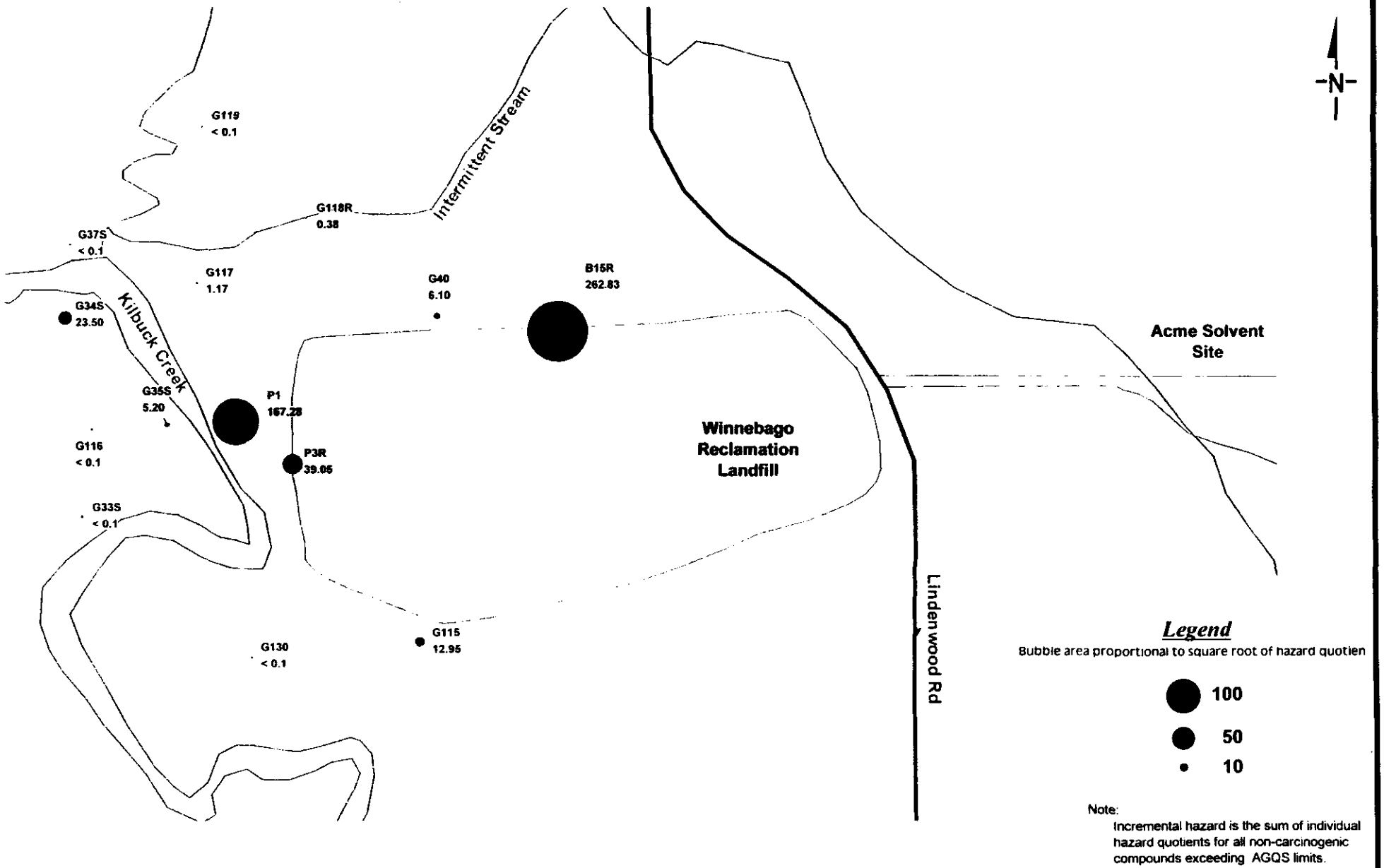

Figure 16. Results of incremental hazard screening for non-carcinogenic compounds in the upper zone of the sand and gravel aquifer based on groundwater samples collected from March 1995 to November 1996.

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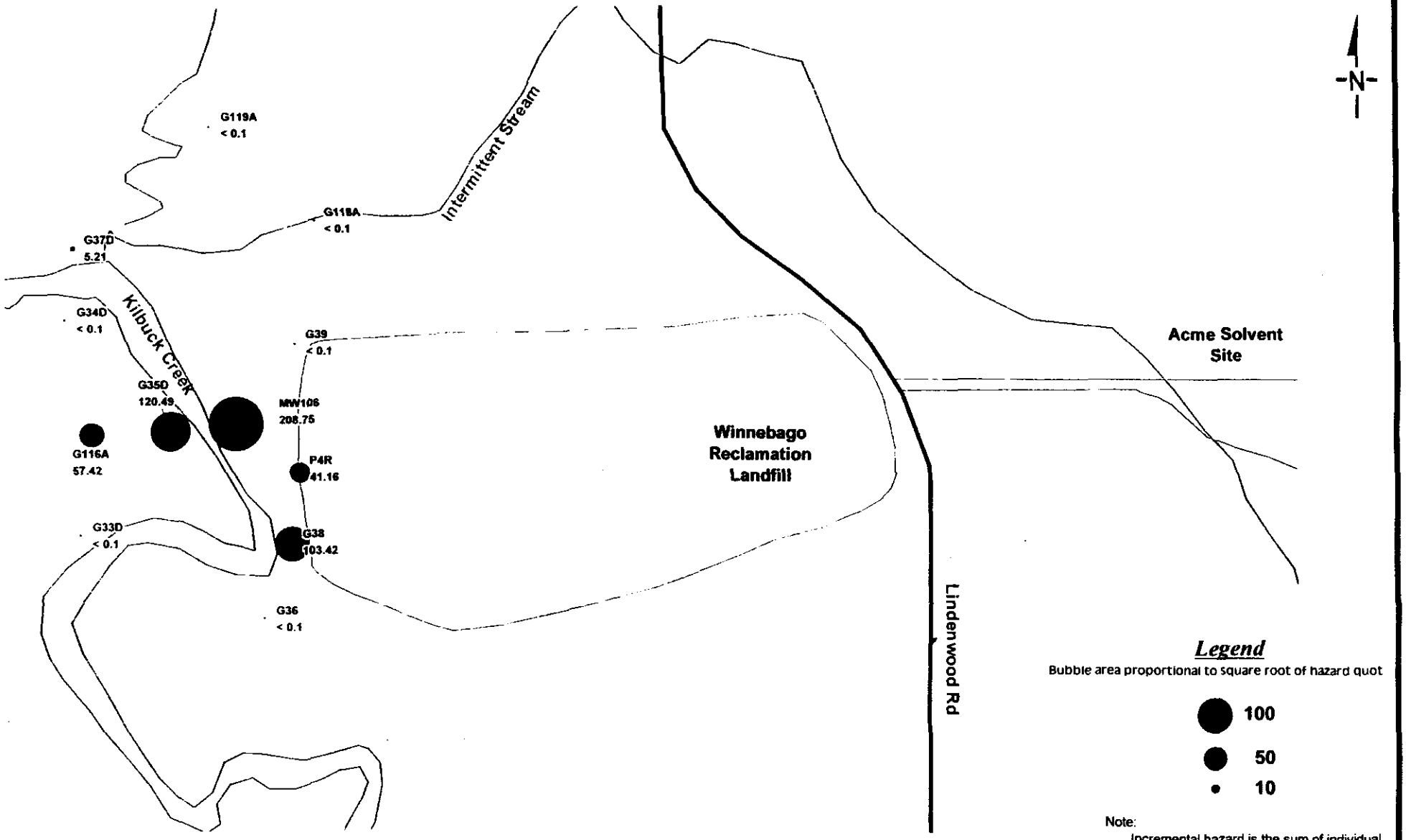

Figure 17. Results of incremental hazard screening for non-carcinogenic compounds in lower zone of the sand and gravel aquifer based on groundwater samples collected from March 1995 to November 1996.

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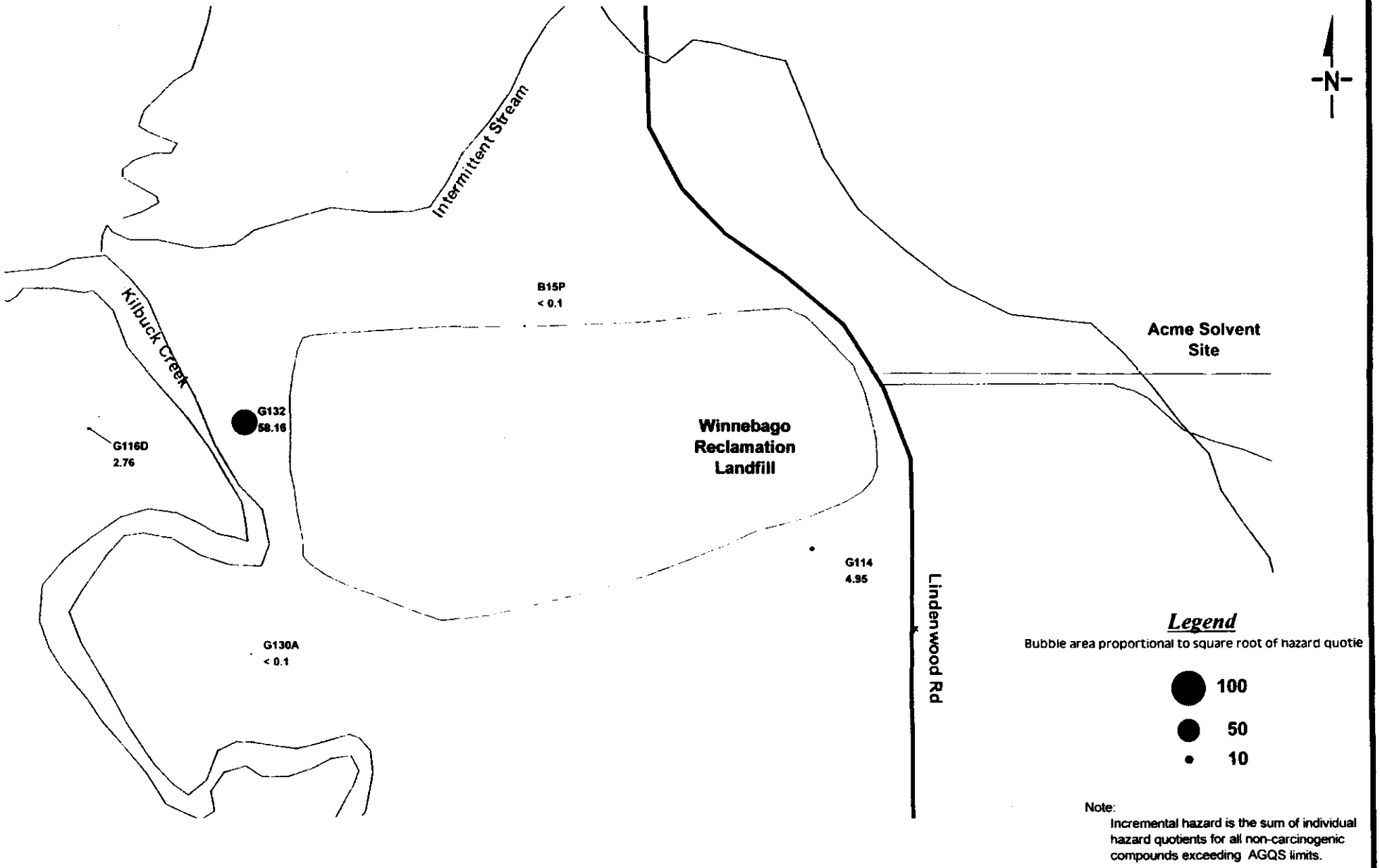

Figure 18. Results of incremental hazard screening for non-carcinogenic compounds in the bedrock aquifer based on groundwater samples collected from March 1995 to November 1996.

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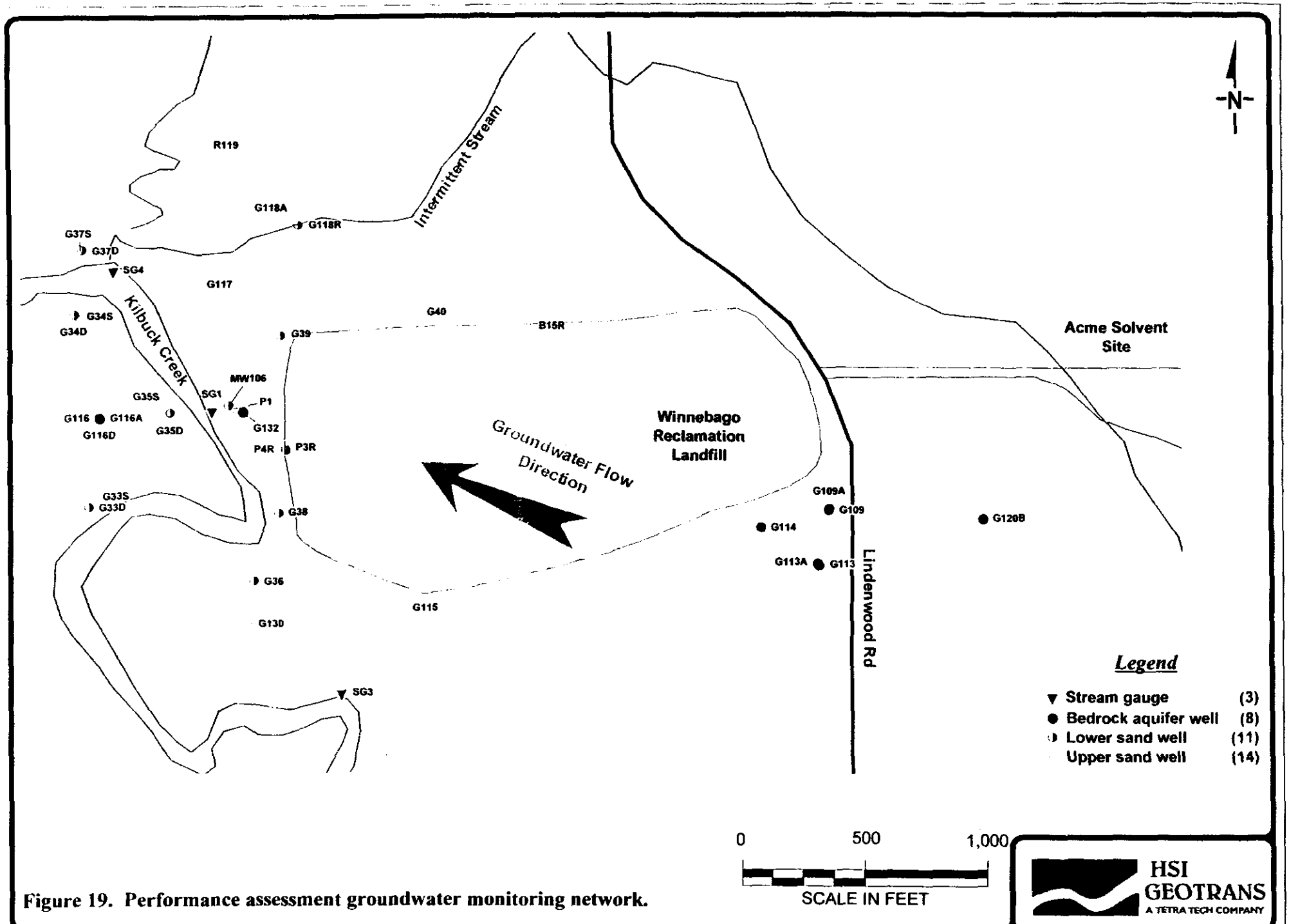

Figure 19. Performance assessment groundwater monitoring network.

ATTACHMENT 4

ATTACHMENT 4

TINMASS

DESCRIPTION OF TINMASS PROGRAM

B.1 INTRODUCTION

TinMass is a MapInfo application that runs with SiteGIS. TinMass can be used to calculate the mass of a dissolved constituent in groundwater based on the water quality data entered into SiteGIS format. Input data for TinMass include the following parameters at each sample location: (1) aquifer or interval thickness; (2) concentration of the constituent or chemical; and (3) porosity. Coordinates of each sample are taken directly from the MapInfo® object representing the sample location.

The underlying computational procedures used in TinMass are based on its predecessor, MASSCALC. MASSCALC was developed to evaluate pump-and-treat technology and is described in the U.S. EPA document "Methods for Monitoring Pump-and-Treat Performance" (USEPA, 1994), pages 49-51. The technique is briefly discussed below.

B.2 COMPUTATIONAL TECHNIQUE

A triangulated irregular network (TIN) is used as an interpolation technique for estimating mass-in-place of the dissolved contaminant. It is a simple numerical integration approach commonly used to estimate volumes in civil engineering applications. In the first step, an optimum network of triangles connecting all sample locations is generated using the Dulauney Triangulation procedure. Dulauney Triangulation connects points to form a network of triangles they have as nearly equal angles at their vertices as possible. The procedure was based on an algorithm described by Watson (1982).

In the second step, an estimate of the mass of dissolved contaminant within each triangle is determined based on the assumption that concentration (C), porosity (n), and aquifer/interval thickness (b) vary linearly between the sample locations. The dissolved mass within the aquifer bounded areally by each triangle is determined by:

$$\int_{area} nCb \; dxdy \qquad \text{(A-1)}$$

where n, C, and b vary linearly across the triangle. Further details on the interpolation and integration may be found in Istok (1984), pages 90-91. The total mass of dissolved contaminants is calculated by summing the contaminant mass from each triangle.

The accuracy of the mass-calculation procedure depends upon the adequacy of the well network to define the extent and degree of contamination. Because concentrations typically decrease in an exponential manner away from the source, the linear interpolation used in this procedure has a tendency to overestimate mass-in-place. Overestimation is a concern when the monitoring network is limited to few wells. The procedure estimates mass-in-place of a contaminant in a single aquifer or vertical interval of an aquifer. In order to estimate mass-in-place in three dimensions, it is necessary to estimate mass-in-place for separate layers (monitoring depth zones) and sum the results. For monitoring well clusters, which monitor different depths, the concentration data from individual wells should not be combined into a single data set for plumes in which concentration varies with depth.

B.3 ENHANCEMENTS MADE IN TINMASS

The enhancements made in TinMass which distinguish it from its predecessor, MASSCALC include: (1) data for the input parameters are stored in GIS tables in MapInfo; (2) coordinates of each sample are taken directly from the MapInfo object representing the sample location; (3) the calculated mass may be output in units of lb or Kg directly; (4) the TIN network is created as a MapInfo table by TinMass; and (5) statistics of the results (input data fields or values entered, number of nodes, TIN triangles generated, and total mass) are stored in another MapInfo summary table indexed by a Run ID. The Run ID may be used as an identifier of the contaminant and the sampling period. Thus, results from multiple periods and different chemicals may be summarized in one summary table. This approach is useful in determining the mass-in-place trends over time.

ATTACHMENT 5

RISK-BASED CONCENTRATION TABLE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III
841 Chestnut Street
Philadelphia, Pennsylvania 19107

March 25, 1997

SUBJECT: Risk-Based Concentration Table, January-June 1996

FROM: Roy L. Smith, Ph.D.
Office of RCRA
Technical & Program Support Branch (3HW70)

TO: RBC Table mailing list

Attached is the EPA Region III risk-based concentration (RBC) table, which we distribute semiannually to all interested parties.

IMPORTANT MESSAGE

EPA Region III's Internet website now includes two versions of the RBC Table. (These can be found at **http://www.epa.gov/reg3hwmd/riskmenu.htm?=Risk+Guidance.** *Once there, I suggest you set a bookmark to ease future access.) One version can be browsed on-line, and a second (identical) version in .ZIP format can be quickly downloaded. The cover memo and background information are also included in both formats.*

We strongly encourage all RBC table users having Internet access to obtain the table electronically rather than on paper. In this way, users can access the most current RBC table immediately in a form that can be used directly for comparisons with data or risk estimates. This distribution method will also save hundreds of pounds of paper per year and cost substantially less.

CONTENTS, USES, AND LIMITATIONS OF THE RBC TABLE

The table contains reference doses and carcinogenic potency slopes (obtained from IRIS through April 1, 1996, HEAST through May 1995, the EPA-NCEA Superfund Health Risk Technical Support Center, and other EPA sources) for nearly 600 chemicals. These toxicity constants have been combined with "standard" exposure scenarios to calculate RBCs--chemical concentrations corresponding to fixed levels of risk (*i.e.*, a hazard quotient of one, or lifetime cancer risk of 10^{-6}, whichever occurs at a lower concentration) in water, air, fish tissue, and soil.

The RBC table also includes soil screening levels (SSLs) for protection of groundwater and air. Most SSLs were obtained directly from EPA/OSWER's proposed SSL guidance document, to which we have added some additional SSLs based on the same methodology. Sources of SSLs are noted in the table. SSLs incorporate the same exposure assumptions as RBCs, plus additional

assumptions needed for inter-media extrapolation. SSLs are therefore distinct from RBCs, and should be used only in the framework proposed in the OSWER document (available from NTIS as document numbers 9355.4-1, PB95-965530, or EPA540/R-94/105).

The Region III toxicologists use RBCs to screen sites not yet on the NPL, respond rapidly to citizen inquiries, and spot-check formal baseline risk assessments. The background materials provide the complete basis for all the calculations, with the intent of showing users exactly how the RBCs were developed. Simply put, RBCs are risk assessments run in reverse. For a single contaminant in a single medium, under standard default exposure assumptions, the RBC corresponds to the target risk or hazard quotient.

RBCs also have several important limitations. Specifically excluded from consideration are (1) transfers from soil to air and groundwater, and (2) cumulative risk from multiple contaminants or media. Also, the toxicity information in the table has been assembled by hand, and (despite extensive checking and years of use) may contain errors. It's advisable to cross-check before relying on any RfDs or CPSs in the table. If you find any errors, please send me a note.

Many users want to know if the risk-based concentrations can be used as valid no-action levels or cleanup levels, especially for soils. The answer is a bit complex. First, it is important to realize that the RBC table does not constitute regulation or guidance, and should not be viewed as a substitute for a site-specific risk assessment. For sites where:

1. A single medium is contaminated;

2. A single contaminant contributes nearly all of the health risk;

3. Volatilization or leaching of that contaminant from soil is expected not to be significant;

4. The exposure scenarios used in the RBC table are appropriate for the site;

5. The fixed risk levels used in the RBC table are appropriate for the site; and

6. Risk to ecological receptors is expected not to be significant;

the risk-based concentrations would probably be protective as no-action levels or cleanup goals. However, to the extent that a site deviates from this description, as most do, the RBCs would not necessarily be appropriate.

To summarize, the table should generally not be used to (1) set cleanup or no-action levels at CERCLA sites or RCRA Corrective Action sites, (2) substitute for EPA guidance for preparing baseline risk assessments, or (3) determine if a waste is hazardous under RCRA.

ANSWERS TO FREQUENTLY ASKED QUESTIONS

To help you better understand the RBC table, here are answers to our most often-asked questions:

1. How can the age-adjusted inhalation factor (11.66) be less than the inhalation rate for either a child (12) or an adult (20)?

Age-adjusted factors are not intake rates, but rather partial calculations which have different units than intake rates do. The fact that these partial calculations have values similar to intake rates is really coincidental, an artifact of the similar magnitude of years of exposure and time-averaged body weight.

2. Why does arsenic appear in the RBC table separately as a carcinogen and a non-carcinogen, while other contaminants do not?

Arsenic is double-entered to ensure that the risk assessor realizes that non-carcinogenic concerns are significant for arsenic. Otherwise, one might be tempted to accept a 1e-4 risk (43 ppm in residential soil), when the oral reference dose would be exceeded at 23 ppm.

Also, EPA has a little-known risk management policy for arsenic (dating from 1988) that suggests that arsenic-related cancer risks of up to 1e-3 can be accepted because the cancers are squamous cell carcinomas with a low mortality rate. Thus, non-carcinogenic RBCs represent an important limitation on acceptable arsenic concentrations.

3. Many contaminants have no inhaled reference dose or carcinogenic potency slope in IRIS, yet these numbers appear in the RBC table with IRIS given as the source. Where did the numbers come from?

Most inhaled reference doses and potency slopes in the RBC table are converted from reference concentrations and unit risk values which do appear in IRIS. These conversions assume 70-kg persons inhaling 20 m^3/d. For example, the inhalation unit risk for arsenic (4.3e-3 risk per $\mu g/m^3$) is divided by 20 m^3/d and multiplied by 70 kg times 1000 μg/mg, yielding a CPSi of 15.1 risk per mg/kg/d.

4. Why does the RBC table base soil RBCs for cadmium and manganese on reference doses that apply only to drinking water?

The RBC table's use of the drinking water RfDs for cadmium and manganese reflects (1) the limited space available in the already-crowded table, and (2) the intended use of the table as a screening tool rather than a source of cleanup levels (thereby making false positives acceptable). For a formal risk assessment, Region III would use the food RfDs for soil ingestion.

At this time, only two substances (as far as we know) have distinct oral RfDs for water and food--cadmium and manganese. Adding the two food RfDs to the table would require an entire column, which would be about 99.9% blank. The table has become so crowded that it would be

difficult to accommodate another column. Also, we've given this problem a relatively low priority because the table's primary purpose is to identify environmental problems needing further study. RBCs were never intended for uncritical use as cleanup levels, merely to identify potential problems which need a closer look.

5. What is the source of the child's inhalation rate of 12 m3/d?

The calculation comes from basic physiology. It's a scaling of the mass-specific 20 m3/d rate for adults from a body mass of 70 kg to 15 kg, using the two-thirds power of mass, as follows:

Let: IRcm = mass-specific child inhalation rate (m3/kg/d)
IRc = child inhalation rate (m3/d)

20 m3/d ÷ 70kg = 0.286 m3/kg/d (mass-specific adult inhalation rate)

$0.286 \text{ m3/kg/d} \times (70^{.67}) = (\text{IRcm}) \times (15^{.67})$

$\text{IRcm} = (0.286) \times (70^{.67}) \div (15^{.67}) = 0.286 \times 2.807 = 0.803 \text{ m3/kg/d}$

IRc = IRcm x 15kg = 0.803 m3/kg/d x 15kg = 12.04 m3/d

A short (but algebraically equivalent) way to do the conversion:

$20 \times (15 \div 70)^{.333} = 11.97$ (different from, but actually more correct than, 12.04 because of rounding error in calculating by the long form).

6. Can the oral RfDs in the RBC table be applied to dermal exposure?

Not directly. EPA's Office of Research and Development is working on dermal RfDs for some substances, but has not yet produced any final values. When dermal RfDs do appear, they will undoubtedly be based on absorbed dose rather than administered dose. Oral RfDs are (usually) based on administered dose and therefore tacitly include a GI absorption factor. Thus, any use of oral RfDs in dermal risk calculations would have to involve removing this absorption factor.

*7. The exposure variables table in the RBC background document lists the averaging time for non-carcinogens as "ED*365". What does that mean?*

ED is exposure duration, in years, and '*' is the computer-ese symbol for multiplication. Multiplying ED by 365 simply converts the duration to days. In fact, the ED term is included in both the numerator and denominator of the RBC algorithms for non-cancer risk, canceling it altogether. We expressed the algorithm this way to allow users to realize this. The total exposure is really adjusted only by EF (days exposed per year) divided by 365. (Note that this explanation applies to non-carcinogenic risk only; for carcinogens, exposure is pro-rated over the number of days in a 70-year life span.)

8. Why is inorganic lead not included in the RBC table?

The reason that lead is missing from the RBC table is simple, and fundamental: EPA has no reference dose or potency slope for inorganic lead, so it wasn't possible to calculate risk-based concentrations. EPA considers lead a special case because:

(1) Lead is ubiquitous in all media, so human exposure comes from multiple sources. Comparing single-medium exposures with a reference dose would be misleading.

(2) If EPA did develop a reference dose for lead by the same methods other reference doses, we would probably find that most people already exceed it. Since EPA already knows this and is moving aggressively to lower lead releases nationally, such findings at individual sites would be irrelevant and unduly alarming.

(3) EPA decided to take a new approach to distinguish important lead exposures from trivial ones. EPA developed a computer model (the IEUBK model) which predicts children's blood lead concentrations using lead levels in various media as inputs. The idea is to evaluate a child's entire environment, and reduce lead exposures in the most cost-effective way.

On the practical side, there are several EPA policies on lead which effectively substitute for RBCs. The EPA Office of Solid Waste has released a detailed directive on risk assessment and cleanup of residential soil lead. The directive recommends that soil lead levels less than 400 ppm be considered safe for residential use. Above that level, the document suggests collecting certain types of data and modeling children's blood lead with the IEUBK model. For the purposes of the RBC table, the *de facto* residential soil number would be 400 mg/kg. For water, we suggest 15 ppb (from the national EPA Action Level), and for air, the National Ambient Air Quality Standard.

9. Where did the potency slopes for carcinogenic PAHs come from?

The source of the potency slopes for PAHs is "Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons," Final Draft, EPA Environmental Criteria and Assessment Office, Cincinnati, OH. It's available from NTIS as document number ECAO-CIN-842 (March, 1993). The slopes are expressed in terms of order-of-magnitude equivalence factors relating the compounds to benzo[a]pyrene; we have converted these TEQs to potency slopes to fit the format of the table.

10. May I please have a copy of the January 1991 RBC table?

We're sorry, but no. The RBC table doesn't represent regulation or guidance, so past issues have no legal importance. Each time we update the table we destroy all obsolete copies, electronic and paper. We do this to ensure that only one set of RBCs, the one based on current information, exists at any time.

11. I've noticed that some soil RBCs are one million parts per million. Since some of these

substances are liquids, that's obviously ridiculous. What is that basis for these calculations?

A soil RBC of one million parts per million means that no amount of the contaminant in soil will cause a receptor to exceed the oral reference dose by incidental ingestion of soil. In fact, some contaminants would have RBCs of more than one million ppm, but the algorithms cap concentrations at 100%. The reason we retain these admittedly impossible numbers is to let users see that the contaminant is not a threat via soil ingestion.

However, it's important to realize that the RBC calculations do not consider the potential of soil contaminants to leach to groundwater or escape to air by volatilization or dust entrainment. To consider these inter-media transfers, it's necessary to either monitor air and groundwater, or to use a mathematical model. Measured or modeled air and groundwater concentrations should then be compared to the RBCs for air and tap water.

We have begun to incorporate inter-media transfers into the RBC table in the form of soil screening levels (SSLs). However, EPA Headquarters has proposed only about a hundred SSLs so far, so the list is still rather short.

12. Please elaborate on the meaning of the 'W' source code in the table.

The "W" code means that a reference dose or potency slope for a contaminant is currently not present on either IRIS or HEAST, but that it once was present on either IRIS or HEAST and was removed. Such withdrawal usually indicates that consensus on the number no longer exists among EPA scientists, but not that EPA believes the contaminant to be unimportant. Older versions of the RBC table had separate codes for IRIS and HEAST withdrawals, but we changed to a single code for both because, after all, it hardly matters.

We retain withdrawn numbers in the table because we still need to deal with these contaminants during the sometimes very long delays before replacement numbers are ready. We take the position that for the purpose of screening an obsolete RBC is better than none at all. The 'W' code should serve as a clear warning that before making any serious decision involving that contaminant you will need to develop an interim value based on current scientific understanding.

If you are assessing risks at a site where a major contaminant is coded "W," consider working with your Regional EPA risk assessor to develop a current toxicity constant. If the site is being studied under CERCLA, the EPA-NCEA Regional Technical Support group may be able to assist.

13. Can I get copies of supporting documents for interim toxicity constants which are coded "E" in the RBC table?

Unfortunately, Region 3 does not have a complete set of supporting documents. The EPA-NCEA Superfund Health Risk Technical Support Center prepares these interim toxicity constants in response to site-specific requests from Regional risk assessors, and sends the documentation only to the requestor. The RBC tables contain only the interim values (those with "E" codes) that we've either requested ourselves or otherwise obtained copies of. There may be many more

interim values of which we are unaware. Also, we don't receive automatic updates when NCEA revisits a contaminant, so it's likely that some interim values in the RBC table are obsolete.

It has been NCEA's policy to deny requests for documentation of interim toxicity constants. Although Region 3 has sometimes provided this documentation on request, for the above-stated reasons we have no assurance that the assessments, or even the interim numbers, are current. We've decided to discontinue distributing information that may be misleading. If an "E"-coded contaminant is a major risk contributor at your site, we strongly suggest that you work with EPA to develop an up-to-date reference dose or slope factor.

CHANGES IN THIS ISSUE OF THE RBC TABLE

New or revised EPA toxicity constants are now marked with "**" before the contaminant name. This is to help users quickly pick out substances with new RBCs. Formerly these contaminants were printed in underlined boldface type that copied badly. A new basis code, "M" for MCL, has been added to the upper right corner of each page. This code denotes soil screening levels for groundwater protection that are based on EPA Maximum Contaminant Levels.

If you want to raise issues or get answers to questions about the RBC table, please call the Technical Support Help Line at 215-597-1116. The line has a voice mail system to take your calls if we're not available. We'll return your call as soon as we can. Please limit calls to RBC issues; if you have a question about applying RBCs to a site, please call the EPA Regional office handling the project. Thanks for your help and cooperation, and we hope the RBC table continues to be a useful resource.

Attachment

EPA Region III Risk-Based Concentration Table

Background Information

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Development of Risk-Based Concentrations

General

Separate carcinogenic and non-carcinogenic risk-based concentrations were calculated for each compound for each pathway. The concentration in the table is the lower of the two, rounded to two significant figures. The following terms and values were used in the calculations:

Exposure variables	**Value**	**Symbol**
General:		
Carcinogenic potency slope oral (risk per mg/kg/d):	*	CPSo
Carcinogenic potency slope inhaled (risk per mg/kg/d):	*	CPSi
Reference dose oral (mg/kg/d):	*	RfDo
Reference dose inhaled (mg/kg/d):	*	RfDi
Target cancer risk:	1e-06	TR
Target hazard quotient:	1	THQ
Body weight, adult (kg):	70	BWa
Body weight, age 1-6 (kg):	15	BWc
Averaging time carcinogens (d):	25550	ATc
Averaging time non-carcinogens (d):	ED*365	ATn
Inhalation, adult (m3/d):	20	IRAa
Inhalation, child (m3/d):	12	IRAc
Inhalation factor, age-adjusted (m3-y/kg-d):	11.66	IFAadj
Tap water ingestion, adult (L/d):	2	IRWa
Tap water ingestion, age 1-6 (L/d):	1	IRWc
Tap water ingestion factor, age-adjusted (L-y/kg-d):	1.09	IFWadj
Fish ingestion (g/d):	54	IRF
Soil ingestion, adult (mg/d):	100	IRSa
Soil ingestion, age 1-6 (mg/d):	200	IRSc
Soil ingestion factor, age adjusted (mg-y/kg-d):	114.29	IFSadj
Residential:		
Exposure frequency (d/y):	350	EFr
Exposure duration, total (y):	30	EDtot
Exposure duration, age 1-6 (y):	6	EDc
Volatilization factor (L/m3):	0.5	K

Exposure variables	**Value**	**Symbol**
Occupational:		
Exposure frequency (d/y):	250	EFo
Exposure duration (y):	25	EDo
Fraction of contaminated soil ingested (unitless)	0.5	FC

*: Contaminant-specific toxicological constants. The priority among sources of toxicological constants was as follows: (1) IRIS, (2) HEAST, (3) HEAST alternative method, (4) EPA-NCEA Superfund Health Risk Technical Support Center, (5) withdrawn from IRIS or HEAST, and (6) other EPA documents. Each source was used only if numbers from higher-priority sources were unavailable. The EPA Superfund Health Risk Technical Support Center, part of the EPA National Center for Environmental Assessment in Cincinnati, develops provisional RfDs and CPSs on request for contaminants not in IRIS or HEAST. These provisional values are labeled "E = EPA-NCEA provisional" in the table. It is possible they may be obsolete. If one of the "E" constants is important to a Superfund risk assessment, consider requesting, through a Regional risk assessor, a new provisional value.

Age-adjusted factors

Because contact rates with tap water, ambient air, and residential soil are different for children and adults, carcinogenic risks during the first 30 years of life were calculated using age-adjusted factors. These factors approximated the integrated exposure from birth until age 30 by combining contact rates, body weights, and exposure durations for two age groups - small children and adults. The age-adjusted factor for soil was obtained from RAGS IB; the others were developed by analogy.

Air inhalation

$$IFAadj\ \frac{m^3 \cdot y}{kg \cdot d} = \frac{EDc \cdot IRAc}{BWc} + \frac{(EDtot - EDc) \cdot IRAa}{BWa}$$

Tap water ingestion

$$IFWadj\ \frac{L \cdot y}{kg \cdot d} = \frac{EDc \cdot IRWc}{BWc} + \frac{(EDtot - EDc) \cdot IRWa}{BWa}$$

Soil ingestion

$$IFSadj\ \frac{mg \cdot y}{kg \cdot d} = \frac{EDc \cdot IRSc}{BWc} + \frac{(EDtot - EDc) \cdot IRSa}{BWa}$$

Residential water

Volatilization terms were calculated only for compounds with a mark in the "VOC" column. Compounds having a Henry's Law constant greater than 10^{-5} were considered volatile. The list may be incomplete, but is unlikely to include false positives. The equations and the volatilization factor (K, above) were obtained from RAGS IB. Oral potency slopes and reference doses were used for both oral and inhaled exposures for volatile compounds lacking inhalation values. Inhaled potency slopes were substituted for unavailable oral potency slopes only for volatile compounds; inhaled RfDs were substituted for unavailable oral RfDs for both volatile and non-

volatile compounds. RBCs for carcinogens were based on combined childhood and adult exposure; for non-carcinogens RBCs were based on adult exposure.

Carcinogens

$$RBC\ \frac{\mu g}{L} = \frac{TR \cdot ATc \cdot 1000\frac{\mu g}{mg}}{EFr \cdot ([K \cdot IFAadj \cdot CPSi] + [IFWadj \cdot CPSo])}$$

Non-carcinogens

$$RBC\ \frac{\mu g}{L} = \frac{THQ \cdot BWa \cdot ATn \cdot 1000\frac{\mu g}{mg}}{EFr \cdot EDtot \cdot \left(\frac{K \cdot IRAa}{RfDi} + \frac{IRWa}{RfDo}\right)}$$

Ambient air

Oral potency slopes and references were used where inhalation values were not available. RBCs for carcinogens were based on combined childhood and adult exposure; for non-carcinogens RBCs were based on adult exposure.

Carcinogens

$$RBC\ \frac{\mu g}{m^3} = \frac{TR \cdot ATc \cdot 1000\frac{\mu g}{mg}}{EFr \cdot IFAadj \cdot CPSi}$$

Non-carcinogens

$$RBC\ \frac{\mu g}{m^3} = \frac{THQ \cdot RfDi \cdot BWa \cdot ATn \cdot 1000\frac{\mu g}{mg}}{EFr \cdot EDtot \cdot IRAa}$$

Edible fish

All RBCs were based on adult exposure.

Carcinogens

$$RBC\ \frac{mg}{kg} = \frac{TR \cdot BWa \cdot ATc}{EFr \cdot EDtot \cdot \frac{IRF}{1000\frac{g}{kg}} \cdot CPSo}$$

Non-carcinogens

$$RBC\ \frac{mg}{kg} = \frac{THQ \cdot RfDo \cdot BWa \cdot ATn}{EFr \cdot EDtot \cdot \frac{IRF}{1000\frac{g}{kg}}}$$

Commercial/industrial soil ingestion

RBCs were based on adult occupational exposure, including an assumption that only 50% of total soil ingestion is work-related.

Carcinogens

$$RBC\ \frac{mg}{kg} = \frac{TR \cdot BWa \cdot ATc}{EFo \cdot EDo \cdot \frac{IRSa}{10^6\ \frac{mg}{kg}} \cdot FC \cdot CPSo}$$

Non-carcinogens

$$RBC\ \frac{mg}{kg} = \frac{THQ \cdot RfDo \cdot BWa \cdot ATn}{EFo \cdot EDo \cdot \frac{IRSa}{10^6\ \frac{mg}{kg}} \cdot FC}$$

Residential soil ingestion

RBCs for carcinogens were based on combined childhood and adult exposure; RBCs for non-carcinogens were based on childhood exposure only.

Carcinogens

$$RBC\ \frac{mg}{kg} = \frac{TR \cdot ATc}{EFr \cdot \frac{IFSadj}{10^6\ \frac{mg}{kg}} \cdot CPSo}$$

Non-carcinogens

$$RBC\ \frac{mg}{kg} = \frac{THQ \cdot RfDo \cdot BWc \cdot ATn}{EFr \cdot EDc \cdot \frac{IRSc}{10^6\ \frac{mg}{kg}}}$$

Development of Soil Screening Levels

General

In December 1994 the EPA Office of Solid Waste and Emergency Response proposed Soil Screening Guidance (Document 9355.4-1, PB95-963530, EPA540/R-94/101, available through NTIS at 703-487-4650). This draft document provides (1) a framework in which soil screening levels are to be used, (2) a detailed methodology for calculating soil screening levels, and (3) soil screening levels for 107 substances. (Note: EPA released an updated draft of this document in early 1996. We have decided to wait until the SSL guidance is final before changing the RBC table.)

Consistent with this new guidance, the risk-based concentration table now includes two columns

of generic soil screening levels (SSLs). OSWER's 107 proposed soil screening levels have been added verbatim. In addition, the proposed SSL methodology has been used to calculate soil screening levels for more substances, which are also included in the new table. The table clearly distinguishes the OSWER SSLs from the "unofficial" ones.

These SSLs provide reasonable maximum estimates of transfers of contaminants from soil to other media. One column contains soil concentrations protective of groundwater quality; the other contains soil concentrations protective of air quality. "Protective" is defined in the same terms as the risk-based concentrations for tap water and air -- that residential contact scenarios will yield a fixed upper bound risk of 10^{-6} or a fixed hazard quotient of 1 (whichever occurs at the lower concentration).

OSWER's SSLs should be used only within the framework proposed in the guidance document. The additional SSLs included in the RBC table are intended for the same uses (although they obviously carry less weight than the formally proposed numbers).

The SSLs are based on the following assumptions:

Input variables	**Value**	**Symbol***
Surface soil moisture content (g/g)	0.1	W_s
Vadose zone soil moisture content (kg/kg)	0.2	W_v
Surface soil bulk density (g/cm^3)	1.5	ρ_{bs}
Vadose zone soil bulk density (kg/L)	1.5	ρ_{bv}
Surface soil particle density (g/cm^3)	2.65	ρ_{ss}
Vadose zone soil particle density (g/cm^3)	2.65	ρ_{sv}
Total surface soil porosity (L pore /L soil)	0.43	N_s
Total vadose zone soil porosity (L pore/L soil)	0.43	N_v
Air-filled surface soil porosity (L air/L soil)	0.28	θ_{as}
Water-filled surface soil porosity (L water/L soil)	0.15	θ_{ws}
Air-filled vadose zone soil porosity (L air/L soil)	0.13	θ_{av}
Water-filled vadose zone soil porosity (L water/L soil)	0.30	θ_{wv}
Organic carbon fraction of surface soil (g/g)	0.006	FOC_s
Organic carbon fraction of vadose zone soil (g/g)	0.002	FOC_v
Dispersion factor for 0.5 acres (g/m^{2}s per kg/m^3)	35.1	Q/C
Particulate emission factor (m^3/kg)	6.79e+08	PEF
Exposure interval (s)	9.50e+08	T
Dilution-attenuation factor (unitless)	10	DAF

*: Symbols were adjusted, variables were rearranged, and derived and chemical-specific variables were omitted for simplicity and clarity. Presentation of the input variables in a single table using the same terms as in the OSWER SSL document would have been confusing. The terms used here are generally similar to OSWER's, and can easily be compared with the SSL guidance document.

With two exceptions described in the following section, SSL calculations were based on the same algorithms presented in the OSWER draft SSL guidance document. For details of the calculations (and for general background information on SSLs), I strongly recommend consulting that document. The "unofficial" SSLs were developed under the following conditions:

Soil Screening Levels for Inhalation

Inhaled reference doses and potency slopes were used if available. If inhalation values were not available, oral RfDs and potency slopes were substituted. SSLs were calculated only for substances for which aqueous solubility, Koc, Henry's Law constant, and diffusivity in air were available. SSLs were calculated only for substances for which a volatilization factor could be calculated. This was done because OSWER's large proposed particulate emission factor rendered it pointless to estimate SSLs for particulate emissions alone. The final calculated SSL shown in the RBC table is the smaller of the risk-based SSL and the soil saturation concentration. All calculated SSLs were rounded to 2 significant figures.

The OSWER risk algorithms for inhalation were revised in order to be consistent with the rest of the RBC table. Only calculated SSLs were affected by this; SSLs proposed by OSWER are presented verbatim. Calculated SSLs for inhalation of carcinogens were based on an integrated lifetime exposure rather than adult exposure. SSLs for inhalation of noncarcinogens were based on adult exposure for 350 days per year rather than 365 days per year. The following algorithms were used to calculate inhalation SSLs:

Carcinogens

$$SSL \ \frac{mg}{kg} = \frac{TR \cdot ATc}{EFr \cdot IFAadj \cdot \left(\frac{1}{VF} + \frac{1}{PEF} \right) \cdot CPSi}$$

Non-carcinogens

$$SSL \ \frac{mg}{kg} = \frac{THQ \cdot BWa \cdot ATn \cdot RfDi}{EFr \cdot EDtot \cdot IRAa \cdot \left(\frac{1}{VF} + \frac{1}{PEF} \right)}$$

Soil Screening Levels for Groundwater Use

All algorithms were as proposed by OSWER. MCLs were used as target groundwater concentrations if available. If MCLs were unavailable the risk-based concentration in the "tap water" column of the RBC table was used as the target groundwater concentration. All SSLs for groundwater are based on a dilution-attenuation factor (DAF) of 10. Since these SSLs scale linearly with DAF, the SSLs for DAF=1 would be ten times lower. They were omitted to conserve space. All groundwater SSLs were rounded to 2 significant figures and capped at unity.

Sources: I=IRIS H=HEAST A=HEAST alternate W=Withdrawn from IRIS or HEAST
E=EPA-NCEA Regional Support provisional value O=Other EPA documents

Basis: C=carcinogenic effects N=noncarcinogenic effects
S=soil saturation concentration M=EPA MCL
E=EPA draft Soil Screening Level

Contaminant	CAS	RfDo mg/kg/d		RfDi mg/kg/d		CPSo kg d/mg		CPSi kg d/mg		V O C	Risk-Based Concentrations: Tap Water µg/L		Ambient Air µg/m3		Fish mg/kg		Soil Ingestion: Industrial mg/kg		Soil Screening Levels- Transfers from Soil to: Residential mg/kg		Air mg/kg		Groundwater mg/kg	
Acephate	30560191	4.00E-03	I			8.70E-03	I				7.7	C	0.72	C	0.36	C	660	C	73	C	0		0	
Acetaldehyde	75070			2.57E-03	I			7.70E-03	I		94	N	0.81	C	0		0		0		0		0	
Acetochlor	34256821	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Acetone	67641	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	62000	E	8	E
Acetone cyanohydrin	75865	7.00E-02	H	4.00E-02	A						2600	N	150	N	95	N	140000	N	5500	N	0		0	
Acetonitrile	75078	6.00E-03	I	1.43E-02	A						220	N	52	N	8.1	N	12000	N	470	N	0		0	
Acetophenone	98862	1.00E-01	I	5.71E-06	W					x	0.042	N	0.021	N	140	N	200000	N	7800	N	0		0	
Acifluorfen	62476599	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Acrolein	107028	2.00E-02	H	5.71E-06	I						730	N	0.021	N	27	N	41000	N	1600	N	0		0	
Acrylamide	79061	2.00E-04	I			4.50E+00	I	4.55E+00	I		0.015	C	0.0014	C	0.0007	C	1.3	C	0.14	C	0		0	
Acrylic acid	79107	5.00E-01	I	2.86E-04	I						18000	N	1	N	680	N	1000000	N	39000	N	0		0	
Acrylonitrile	107131	1.00E-03	H	5.71E-04	I	5.40E-01	I	2.38E-01	I		0.12	C	0.026	C	0.0058	C	11	C	1.2	C	0		0	
Alachlor	15972608	1.00E-02	I			8.00E-02	H				0.84	C	0.078	C	0.039	C	72	C	8	C	0		0	
Alar	1596845	1.50E-01	I								5500	N	550	N	200	N	310000	N	12000	N	0		0	
Aldicarb	116063	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	570	S	0.036	M
Aldicarb sulfone	1646884	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Aldrin	309002	3.00E-05	I			1.70E+01	I	1.71E+01	I		0.004	C	0.00037	C	0.00019	C	0.34	C	0.038	C	0.5	E	0.005	E
Ally	74223646	2.50E-01	I								9100	N	910	N	340	N	510000	N	20000	N	0		0	
Allyl alcohol	107186	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Allyl chloride	107051	5.00E-02	W	2.86E-04	I						1800	N	1	N	68	N	100000	N	3900	N	0		0	
Aluminum	7429905	1.00E+00	E								37000	N	3700	N	1400	N	1000000	N	78000	N	0		0	
Aluminum phosphide	20859738	4.00E-04	I								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Amdro	67485294	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	0		0	
Ametryn	834128	9.00E-03	I								330	N	33	N	12	N	18000	N	700	N	0		0	
m-Aminophenol	591275	7.00E-02	H								2600	N	260	N	95	N	140000	N	5500	N	0		0	
4-Aminopyridine	504245	2.00E-05	H								0.73	N	0.073	N	0.027	N	41	N	1.6	N	0		0	
Amitraz	33089611	2.50E-03	I								91	N	9.1	N	3.4	N	5100	N	200	N	0		0	
Ammonia	7664417			2.86E-02	I						1000	N	100	N	0		0		0		0		0	
Ammonium sulfamate	7773060	2.00E-01	I								7300	N	730	N	270	N	410000	N	16000	N	0		0	
Aniline	62533			2.86E-04	I	5.70E-03	I				10	N	1	N	0.55	C	1000	C	110	C	45	N	0.031	N
Antimony and compounds	7440360	4.00E-04	I								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Antimony pentoxide	1314609	5.00E-04	H								18	N	1.8	N	0.68	N	1000	N	39	N	0		0	
Antimony potassium tartrate	304610	9.00E-04	H								33	N	3.3	N	1.2	N	1800	N	70	N	0		0	
Antimony tetroxide	1332316	4.00E-04	H								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Antimony trioxide	1309644	4.00E-04	H								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Apollo	74115245	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Aramite	140578	5.00E-02	H			2.50E-02	I	2.49E-02	I		2.7	C	0.25	C	0.13	C	230	C	26	C	0		0	
Arsenic	7440382	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	380	E	15	E
Arsenic (as carcinogen)	7440382					1.50E+00	I	1.51E+01	I		0.045	C	0.00041	C	0.0021	C	3.8	C	0.43	C	380	E	15	E
Arsine	7784421			1.43E-05	I						0.52	N	0.052	N	0		0		0		0		0	
Assure	76578148	9.00E-03	I								330	N	33	N	12	N	18000	N	700	N	0		0	
Asulam	3337711	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Atrazine	1912249	3.50E-02	I			2.22E-01	H				0.3	C	0.028	C	0.014	C	26	C	2.9	C	0		0	
Avermectin B1	65195553	4.00E-04	I								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Azobenzene	103333					1.10E-01	I	1.08E-01	I		0.61	C	0.058	C	0.029	C	52	C	5.8	C	0		0	
Barium and compounds	7440393	7.00E-02	I	1.43E-04	A						2600	N	0.52	N	95	N	140000	N	5500	N	350000	E	32	E
Baygon	114261	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	0		0	
Bayleton	43121433	3.00E-02	I								1100	N	110	N	41	N	61000	N	2300	N	0		0	
Baythroid	68359375	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
Benefin	1861401	3.00E-01	I								11000	N	1100	N	410	N	610000	N	23000	N	0		0	
Benomyl	17804352	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Bentazon	25057890	2.50E-03	I								91	N	9.1	N	3.4	N	5100	N	200	N	0		0	
Benzaldehyde	100527	1.00E-01	I							x	610	N	370	N	140	N	200000	N	7800	N	0		0	
Benzene	71432			1.71E-03	E	2.90E-02	I	2.90E-02	I	x	0.36	C	0.22	C	0.11	C	200	C	22	C	0.5	E	0.02	E
Benzenethiol	108985	1.00E-05	H								0.37	N	0.037	N	0.014	N	20	N	0.78	N	0		0	
Benzidine	92875	3.00E-03	I			2.30E+02	I	2.35E+02	I		0.00029	C	2.7E-05	C	1.4E-05	C	0.025	C	0.0028	C	1.3	C	0.0000011	C
Benzoic acid	65850	4.00E+00	I								150000	N	15000	N	5400	N	1000000	N	310000	N	320	S	280	E

Benzotrichloride	98077					1.30E+01	I				0.0052	C	0.00048	C	0.00024	C	0.44	C	0.049	C	0.012	C	0.000073	C
Benzyl alcohol	100516	3.00E-01	H								11000	N	1100	N	410	N	610000	N	23000	N	0		0	
Benzyl chloride	100447					1.70E-01	I			x	0.062	C	0.037	C	0.019	C	34	C	3.8	C	0.5	C	0.00036	C
Beryllium and compounds	7440417	5.00E-03	I			4.30E+00	I	8.40E+00	I		0.016	C	0.00075	C	0.00073	C	1.3	C	0.15	C	690	E	180	E
Bidrin	141662	1.00E-04	I								3.7	N	0.37	N	0.14	N	200	N	7.8	N	0		0	
Biphenthrin (Talstar)	82657043	1.50E-02	I								550	N	55	N	20	N	31000	N	1200	N	0		0	
1,1-Biphenyl	92524	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	9000	S	110	N
Bis(2-chloroethyl)ether	111444					1.10E+00	I	1.16E+00	I	x	0.0092	C	0.0054	C	0.0029	C	5.2	C	0.58	C	0.3	E	0.0003	E
Bis(2-chloroisopropyl)ether	39638329	4.00E-02	I			7.00E-02	H	3.50E-02	H	x	0.26	C	0.18	C	0.045	C	82	C	9.1	C	0		0	
Bis(chloromethyl)ether	542881					2.20E+02	I	2.17E+02	I	x	0.000049	C	2.9E-05	C	1.4E-05	C	0.026	C	0.0029	C	0.000037	C	0.0000001	C
Bis(2-chloro-1-methylethyl)ether	0					7.00E-02	W	7.00E-02	W		0.96	C	0.089	C	0.045	C	82	C	9.1	C	0		0	
Bis(2-ethylhexyl)phthalate (DEHP)	117817	2.00E-02	I			1.40E-02	I				4.8	C	0.45	C	0.23	C	410	C	46	C	210	E	11	E
Bisphenol A	80057	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Boron (and borates)	7440428	9.00E-02	I	5.71E-03	H						3300	N	21	N	120	N	180000	N	7000	N	0		0	
Boron trifluoride	7637072			2.00E-04	H						7.3	N	0.73	N	0		0		0		0		0	
Bromodichloromethane	75274	2.00E-02	I			6.20E-02	I			x	0.17	C	0.1	C	0.051	C	92	C	10	C	1800	E	0.3	E
Bromoethene	593602							1.10E-01	H	x	0.096	C	0.057	C	0		0		0		0		0	
Bromoform (tribromomethane)	75252	2.00E-02	I			7.90E-03	I	3.85E-03	I	x	2.4	C	1.6	C	0.4	C	720	C	81	C	46	E	0.5	E
Bromomethane	74839	1.40E-03	I	1.43E-03	I					x	8.7	N	5.2	N	1.9	N	2900	N	110	N	2	E	0.1	E
4-Bromophenyl phenyl ether	101553	5.80E-02	O								2100	N	210	N	78	N	120000	N	4500	N	0		0	
Bromophos	2104963	5.00E-03	H								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Bromoxynil	1689845	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Bromoxynil octanoate	1689992	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
1,3-Butadiene	106990							9.80E-01	I	x	0.011	C	0.0064	C	0		0		0		0.0013	C	0.000072	C
1-Butanol	71363	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	9700	E	8	E
Butyl benzyl phthalate	85687	2.00E-01	I								7300	N	730	N	270	N	410000	N	16000	N	530	E	68	E
Butylate	2008415	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
sec-Butylbenzene	135988	1.00E-02	E							x	61	N	37	N	14	N	20000	N	780	N	80	S	0.27	M
tert-Butylbenzene	104518	1.00E-02	E							x	61	N	37	N	14	N	20000	N	780	N	0		0.27	M
Butylphthalyl butylglycolate	85701	1.00E+00	I								37000	N	3700	N	1400	N	1000000	N	78000	N	0		0	
Cacodylic acid	75605	3.00E-03	H								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Cadmium and compounds	7440439	5.00E-04	I	5.71E-05	W			6.30E+00	I		18	N	0.00099	C	0.68	N	1000	N	39	N	920	E	6	E
Caprolactam	105602	5.00E-01	I								18000	N	1800	N	680	N	1000000	N	39000	N	0		0	
Captafol	2425061	2.00E-03	I			8.60E-03	H				7.8	C	0.73	C	0.37	C	670	C	74	C	0		0	
Captan	133062	1.30E-01	I			3.50E-03	H				19	C	1.8	C	0.9	C	1600	C	180	C	0		0	
Carbaryl	63252	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0.34	S	23	N
Carbofuran	1563662	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Carbon disulfide	75150	1.00E-01	I	2.00E-01	I					x	1000	N	730	N	140	N	200000	N	7800	N	11	E	14	E
Carbon tetrachloride	56235	7.00E-04	I	5.71E-04	E	1.30E-01	I	5.25E-02	I	x	0.16	C	0.12	C	0.024	C	44	C	4.9	C	0.2	E	0.03	E
Carbosulfan	55285148	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	
Carboxin	5234684	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Chloral	75876	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Chloramben	133904	1.50E-02	I								550	N	55	N	20	N	31000	N	1200	N	0		0	
Chloranil	118752					4.03E-01	H				0.17	C	0.016	C	0.0078	C	14	C	1.6	C	0		0	
Chlordane	57749	6.00E-05	I			1.30E+00	I	1.29E+00	I		0.052	C	0.0049	C	0.0024	C	4.4	C	0.49	C	10	E	2	E
Chlorimuron-ethyl	90982324	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Chlorine	7782505	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Chlorine dioxide	10049044			5.71E-05	I						2.1	N	0.21	N	0		0		0		0		0	
Chloroacetaldehyde	107200	6.90E-03	O								250	N	25	N	9.3	N	14000	N	540	N	0		0	
Chloroacetic acid	79118	2.00E-03	H								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
2-Chloroacetophenone	532274			8.57E-06	I						0.31	N	0.031	N	0		0		0		0		0	
4-Chloroaniline	106478	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	1200	S	0.3	E
Chlorobenzene	108907	2.00E-02	I	5.71E-03	A					x	39	N	21	N	27	N	41000	N	1600	N	94	E	0.6	E
Chlorobenzilate	510156	2.00E-02	I			2.70E-01	H	2.70E-01	H		0.25	C	0.023	C	0.012	C	21	C	2.4	C	0		0	
p-Chlorobenzoic acid	74113	2.00E-01	H								7300	N	730	N	270	N	410000	N	16000	N	0		0	
4-Chlorobenzotrifluoride	98566	2.00E-02	H								730	N	73	N	27	N	41000	N	1600	N	86	N	7.5	N
2-Chloro-1,3-butadiene	126998	2.00E-02	A	2.00E-03	H					x	14	N	7.3	N	27	N	41000	N	1600	N	0		0	
1-Chlorobutane	109693	4.00E-01	H							x	2400	N	1500	N	540	N	820000	N	31000	N	0		0	
Chlorodibromomethane	124481	2.00E-02	I			8.40E-02	I			x	0.13	C	0.075	C	0.038	C	68	C	7.6	C	1900	E	0.2	E
1-Chloro-1,1-difluoroethane	75683			1.43E+01	I					x	87000	N	52000	N	0		0		0		0		0	
Chlorodifluoromethane	75456			1.43e+01	I					x	87000	N	52000	N	0		0		0		0		0	
Chloroethane	75003	4.00E-01	E	2.86E+00	I					x	8600	N	10000	N	540	N	820000	N	31000	N	2600	S	33	N
2-Chloroethyl vinyl ether	110758	2.50E-02	O							x	150	N	91	N	34	N	51000	N	2000	N	0		0	
Chloroform	67663	1.00E-02	I			6.10E-03	I	8.05E-02	I	x	0.15	C	0.078	C	0.52	C	940	C	100	C	0.2	E	0.3	E

Chloromethane	74873						1.30E-02	H	6.30E-03	H	x	1.4	C	0.99	C	0.24	C	440	C	49	C	0.063	C	0.0066	C
4-Chloro-2,2-methylaniline hydrochlori	3165933						4.60E-01	H				0.15	C	0.014	C	0.0069	C	12	C	1.4	C	0		0	
4-Chloro-2-methylaniline	95692						5.80E-01	H				0.12	C	0.011	C	0.0054	C	9.9	C	1.1	C	0		0	
beta-Chloronaphthalene	91587	8.00E-02	I									2900	N	290	N	110	N	160000	N	6300	N	2.8	S	140	N
o-Chloronitrobenzene	88733						2.50E-02	H			x	0.42	C	0.25	C	0.13	C	230	C	26	C	0		0	
p-Chloronitrobenzene	100005						1.80E-02	H			x	0.59	C	0.35	C	0.18	C	320	C	35	C	0		0	
2-Chlorophenol	95578	5.00E-03	I									180	N	18	N	6.8	N	10000	N	390	N	53000	E	2	E
2-Chloropropane	75296			2.86E-02	H						x	170	N	100	N	0		0		0		22	N	0.64	N
Chlorothalonil	1897456	1.50E-02	I				1.10E-02	H				6.1	C	0.57	C	0.29	C	520	C	58	C	0		0	
o-Chlorotoluene	95498	2.00E-02	I								x	120	N	73	N	27	N	41000	N	1600	N	1200	N	5.6	N
Chlorpropham	101213	2.00E-01	I									7300	N	730	N	270	N	410000	N	16000	N	0		0	
Chlorpyrifos	2921882	3.00E-03	I									110	N	11	N	4.1	N	6100	N	230	N	0		0	
Chlorpyrifos-methyl	5598130	1.00E-02	H									370	N	37	N	14	N	20000	N	780	N	0		0	
Chlorsulfuron	64902723	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Chlorthiophos	60238564	8.00E-04	H									29	N	2.9	N	1.1	N	1600	N	63	N	0		0	
Chromium III and compounds	16065831	1.00E+00	I	5.71E-07	W							37000	N	0.0021	N	1400	N	1000000	N	78000	N	0		0	
Chromium VI and compounds	18540299	5.00E-03	I						4.20E+01	I		180	N	0.00015	C	6.8	N	10000	N	390	N	140	E	19	E
Coal tar	8001589								2.20E+00	W		0		0.0028	C	0		0		0		0		0	
Cobalt	7440484	6.00E-02	E									2200	N	220	N	81	N	120000	N	4700	N	0		0	
Coke Oven Emissions	8007452								2.17E+00	I		0		0.0029	C	0		0		0		0		0	
Copper and compounds	7440508	4.00E-02	E									1500	N	150	N	54	N	82000	N	3100	N	0		0	
Crotonaldehyde	123739	1.00E-02	W				1.90E+00	H	1.90E+00	W		0.035	C	0.0033	C	0.0017	C	3	C	0.34	C	0		0	
Cumene	98828	4.00E-02	I	2.57E-03	H							1500	N	9.4	N	54	N	82000	N	3100	N	81	N	65	N
Cyanides	0											0		0		0		0		0		0		0	
Barium cyanide	542621	1.00E-01	W									3700	N	370	N	140	N	200000	N	7800	N	0		0	
Calcium cyanide	592018	4.00E-02	I									1500	N	150	N	54	N	82000	N	3100	N	0		0	
**Chlorine cyanide	506774	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Copper cyanide	544923	5.00E-03	I									180	N	18	N	6.8	N	10000	N	390	N	0		0	
Cyanazine	21725462	2.00E-03	H				8.40E-01	H				0.08	C	0.0075	C	0.0038	C	6.8	C	0.76	C	0		0	
Cyanogen	460195	4.00E-02	I									1500	N	150	N	54	N	82000	N	3100	N	0		0	
Cyanogen bromide	506683	9.00E-02	I									3300	N	330	N	120	N	180000	N	7000	N	0		0	
Cyanogen chloride	506774	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Free cyanide	57125	2.00E-02	I									730	N	73	N	27	N	41000	N	1600	N	0		0	
Hydrogen cyanide	74908	2.00E-02	I	8.57E-04	I							730	N	3.1	N	27	N	41000	N	1600	N	0		0	
Potassium cyanide	151508	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Potassium silver cyanide	506616	2.00E-01	I									7300	N	730	N	270	N	410000	N	16000	N	0		0	
Silver cyanide	506649	1.00E-01	I									3700	N	370	N	140	N	200000	N	7800	N	0		0	
Sodium cyanide	143339	4.00E-02	I									1500	N	150	N	54	N	82000	N	3100	N	0		0	
Thiocyanate	0	2.00E-02	E									730	N	73	N	27	N	41000	N	1600	N	0		0	
Zinc cyanide	557211	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Cyclohexanone	108941	5.00E+00	I								x	30000	N	18000	N	6800	N	1000000	N	390000	N	0		0	
Cyclohexlamine	108918	2.00E-01	I									7300	N	730	N	270	N	410000	N	16000	N	0		0	
Cyhalothrin/Karate	68085858	5.00E-03	I									180	N	18	N	6.8	N	10000	N	390	N	0		0	
Cypermethrin	52315078	1.00E-02	I									370	N	37	N	14	N	20000	N	780	N	0		0	
Cyromazine	66215278	7.50E-03	I									270	N	27	N	10	N	15000	N	590	N	0		0	
Dacthal	1861321	1.00E-02	I									370	N	37	N	14	N	20000	N	780	N	0		0	
Dalapon	75990	3.00E-02	I									1100	N	110	N	41	N	61000	N	2300	N	0		0	
Danitol	39515418	2.50E-02	I									910	N	91	N	34	N	51000	N	2000	N	0		0	
DDD	72548						2.40E-01	I				0.28	C	0.026	C	0.013	C	24	C	2.7	C	37	S	0.7	E
DDE	72559						3.40E-01	I				0.2	C	0.018	C	0.0093	C	17	C	1.9	C	10	S	0.5	E
DDT	50293	5.00E-04	I				3.40E-01	I	3.40E-01	I		0.2	C	0.018	C	0.0093	C	17	C	1.9	C	80	E	1	E
Decabromodiphenyl ether	1163195	1.00E-02	I								x	61	N	37	N	14	N	20000	N	780	N	0		0	
Demeton	8065483	4.00E-05	I									1.5	N	0.15	N	0.054	N	82	N	3.1	N	0		0	
Diallate	2303164						6.10E-02	H			x	0.17	C	0.1	C	0.052	C	94	C	10	C	0		0	
Diazinon	333415	9.00E-04	H									33	N	3.3	N	1.2	N	1800	N	70	N	5400	S	2.8	N
Dibenzofuran	132649	4.00E-03	E									150	N	15	N	5.4	N	8200	N	310	N	120	S	120	N
1,4-Dibromobenzene	106376	1.00E-02	I								x	61	N	37	N	14	N	20000	N	780	N	0		0	
1,2-Dibromo-3-chloropropane	96128			5.71E-05	I		1.40E+00	H	2.42E-03	H	x	0.048	C	0.21	N	0.0023	C	4.1	C	0.46	C	1.9	N	0.00061	M
1,2-Dibromoethane	106934			5.71E-05	H		8.50E+01	I	7.70E-01	I	x	0.00075	C	0.0081	C	3.7E-05	C	0.067	C	0.0075	C	0.0058	C	0.00018	M
Dibutyl phthalate	84742	1.00E-01	I									3700	N	370	N	140	N	200000	N	7800	N	100	E	120	E
Dicamba	1918009	3.00E-02	I									1100	N	110	N	41	N	61000	N	2300	N	0		0	
1,2-Dichlorobenzene	95501	9.00E-02	I	4.00E-02	A						x	270	N	150	N	120	N	180000	N	7000	N	300	E	6	E
1,3-Dichlorobenzene	541731	8.90E-02	O								x	540	N	320	N	120	N	180000	N	7000	N	0		0	
1,4-Dichlorobenzene	106467			2.29E-01	I		2.40E-02	H			x	0.44	C	0.26	C	0.13	C	240	C	27	C	7700	E	1	E

3,3'-Dichlorobenzidine	91941					4.50E-01	I				0.15	C	0.014	C	0.007	C	13	C	1.4	C	52	S	0.01	E
1,4-Dichloro-2-butene	764410							9.30E+00	H	x	0.0011	C	0.00067	C	0		0		0		0		0	
Dichlorodifluoromethane	75718	2.00E-01	I	5.71E-02	A					x	390	N	210	N	270	N	410000	N	16000	N	37	N	7.5	N
1,1-Dichloroethane	75343	1.00E-01	H	1.43E-01	A					x	810	N	520	N	140	N	200000	N	7800	N	980	E	11	E
1,2-Dichloroethane (EDC)	107062			2.86E-03	E	9.10E-02	I	9.10E-02	I	x	0.12	C	0.069	C	0.035	C	63	C	7	C	0.3	E	0.01	E
1,1-Dichloroethylene	75354	9.00E-03	I			6.00E-01	I	1.75E-01	I	x	0.044	C	0.036	C	0.0053	C	9.5	C	1.1	C	0.04	E	0.03	E
1,2-Dichloroethylene (cis)	156592	1.00E-02	H							x	61	N	37	N	14	N	20000	N	780	N	1500	E	0.2	E
1,2-Dichloroethylene (trans)	156605	2.00E-02	I							x	120	N	73	N	27	N	41000	N	1600	N	3600	E	0.3	E
1,2-Dichloroethylene (mixture)	540590	9.00E-03	H							x	55	N	33	N	12	N	18000	N	700	N	0		0	
2,4-Dichlorophenol	120832	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	4800	S	0.5	E
2,4-Dichlorophenoxyacetic Acid (2,4-D	94757	1.00E-02	I							x	61	N	37	N	14	N	20000	N	780	N	7000	S	1.7	M
4-(2,4-Dichlorophenoxy)butyric Acid	94826	8.00E-03	I								290	N	29	N	11	N	16000	N	630	N	0		0	
1,2-Dichloropropane	78875			1.14E-03	I	6.80E-02	H			x	0.16	C	0.092	C	0.046	C	84	C	9.4	C	11	E	0.02	E
2,3-Dichloropropanol	616239	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	0		0	
1,3-Dichloropropene	542756	3.00E-04	I	5.71E-03	I	1.75E-01	H	1.30E-01	H	x	0.077	C	0.048	C	0.018	C	33	C	3.7	C	0.1	E	0.001	E
Dichlorvos	62737	5.00e-04	I	1.43E-04	I	2.90E-01	I				0.23	C	0.022	C	0.011	C	20	C	2.2	C	3.5	C	0.00072	C
Dicofol	115322					4.40E-01	W				0.15	C	0.014	C	0.0072	C	13	C	1.5	C	0		0	
Dicyclopentadiene	77736	3.00E-02	H	5.71E-05	A					x	0.42	N	0.21	N	41	N	61000	N	2300	N	0		0	
Dieldrin	60571	5.00E-05	I			1.60E+01	I	1.61E+01	I		0.0042	C	0.00039	C	0.0002	C	0.36	C	0.04	C	2	E	0.001	E
Diesel emissions	0			1.43E-03	I						52	N	5.2	N	0		0		0		0		0	
Diethyl phthalate	84662	8.00E-01	I								29000	N	2900	N	1100	N	1000000	N	63000	N	520	E	110	E
Diethylene glycol, monobutyl ether	112345			5.71E-03	H						210	N	21	N	0		0		0		0		0	
Diethylene glycol, monoethyl ether	111900	2.00E+00	H								73000	N	7300	N	2700	N	1000000	N	160000	N	0		0	
Diethylformamide	617845	1.10E-02	H								400	N	40	N	15	N	22000	N	860	N	0		0	
Di(2-ethylhexyl)adipate	103231	6.00E-01	I			1.20E-03	I				56	C	5.2	C	2.6	C	4800	C	530	C	0		0	
Diethylstilbestrol	56531					4.70E+03	H				0.000014	C	1.3E-06	C	7E-07	C	0.0012	C	0.00014	C	0		0	
Difenzoquat (Avenge)	43222486	8.00E-02	I								2900	N	290	N	110	N	160000	N	6300	N	0		0	
Diflubenzuron	35367385	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
1,1-Difluoroethane	75376			1.14E+01	I					x	69000	N	42000	N	0		0		0		0		0	
Diisopropyl methylphosphonate (DIMP	1445756	8.00E-02	I								2900	N	290	N	110	N	160000	N	6300	N	0		0	
Dimethipin	55290647	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Dimethoate	60515	2.00E-04	I								7.3	N	0.73	N	0.27	N	410	N	16	N	0		0	
3,3'-Dimethoxybenzidine	119904					1.40E-02	H				4.8	C	0.45	C	0.23	C	410	C	46	C	0		0	
Dimethylamine	124403			5.71E-06	W						0.21	N	0.021	N	0		0		0		0		0	
2,4-Dimethylaniline hydrochloride	21436964					5.80E-01	H				0.12	C	0.011	C	0.0054	C	9.9	C	1.1	C	0		0	
2,4-Dimethylaniline	95681					7.50E-01	H				0.09	C	0.0083	C	0.0042	C	7.6	C	0.85	C	0		0	
N-N-Dimethylaniline	121697	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
3,3'-Dimethylbenzidine	119937					9.20E+00	H				0.0073	C	0.00068	C	0.00034	C	0.62	C	0.069	C	29	C	0.00039	C
N,N-Dimethylformamide	68122	1.00E-01	H	8.57E-03	I						3700	N	31	N	140	N	200000	N	7800	N	0		0	
1,1-Dimethylhydrazine	57147					2.60E+00	W	3.50E+00	W		0.026	C	0.0018	C	0.0012	C	2.2	C	0.25	C	0		0	
1,2-Dimethylhydrazine	540738					3.70E+01	W	3.70E+01	W		0.0018	C	0.00017	C	8.5E-05	C	0.15	C	0.017	C	0		0	
2,4-Dimethylphenol	105679	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	5400	S	3	E
2,6-Dimethylphenol	576261	6.00E-04	I								22	N	2.2	N	0.81	N	1200	N	47	N	0		0	
3,4-Dimethylphenol	95658	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Dimethyl phthalate	131113	1.00E+01	H								370000	N	37000	N	14000	N	1000000	N	780000	N	1600	E	1200	E
Dimethyl terephthalate	120616	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
1,2-Dinitrobenzene	528290	4.00E-04	H								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
1,3-Dinitrobenzene	99650	1.00E-04	I								3.7	N	0.37	N	0.14	N	200	N	7.8	N	0		0	
1,4-Dinitrobenzene	100254	4.00E-04	H								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
4,6-Dinitro-o-cyclohexyl phenol	131895	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
2,4-Dinitrophenol	51285	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	360	N	0.1	E
Dinitrotoluene mixture	0					6.80E-01	I				0.099	C	0.0092	C	0.0046	C	8.4	C	0.94	C	0		0	
2,4-Dinitrotoluene	121142	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	120	S	0.2	E
2,6-Dinitrotoluene	606202	1.00E-03	H								37	N	3.7	N	1.4	N	2000	N	78	N	370	S	0.1	E
Dinoseb	88857	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
di-n-Octyl phthalate	117840	2.00E-02	H								730	N	73	N	27	N	41000	N	1600	N	1000000	S	1000000	E
1,4-Dioxane	123911					1.10E-02	I				6.1	C	0.57	C	0.29	C	520	C	58	C	0		0	
Diphenamid	957517	3.00E-02	I								1100	N	110	N	41	N	61000	N	2300	N	0		0	
Diphenylamine	122394	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
1,2-Diphenylhydrazine	122667					8.00E-01	I	7.70E-01	I		0.084	C	0.0081	C	0.0039	C	7.2	C	0.8	C	0		0	
Diquat	85007	2.20E-03	I								80	N	8	N	3	N	4500	N	170	N	0		0	
Direct black 38	1337377					8.60E+00	H				0.0078	C	0.00073	C	0.00037	C	0.67	C	0.074	C	0		0	
Direct blue 6	2602462					8.10E+00	H				0.0083	C	0.00077	C	0.00039	C	0.71	C	0.079	C	0		0	
Direct brown 95	16071866					9.30E+00	H				0.0072	C	0.00067	C	0.00034	C	0.62	C	0.069	C	0		0	

Disulfoton	298044	4.00E-05	I								1.5	N	0.15	N	0.054	N	82	N	3.1	N	0		0	
1,4-Dithiane	505293	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	
Diuron	330541	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Dodine	2439103	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	0		0	
Endosulfan	115297	6.00E-03	I								220	N	22	N	8.1	N	12000	N	470	N	1	S	3	E
Endothall	145733	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Endrin	72208	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	16	S	0.4	E
Epichlorohydrin	106898	2.00E-03	H	2.86E-04	I	9.90E-03	I	4.20E-03	I		6.8	C	1	N	0.32	C	580	C	65	C	0		0	
1,2-Epoxybutane	106887			5.71E-03	I						210	N	21	N	0		0		0		0		0	
Ethephon (2-chloroethyl phosphonic ac	16672870	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Ethion	563122	5.00E-04	I								18	N	1.8	N	0.68	N	1000	N	39	N	0		0	
2-Ethoxyethanol acetate	111159	3.00E-01	A								11000	N	1100	N	410	N	610000	N	23000	N	0		0	
2-Ethoxyethanol	110805	4.00E-01	H	5.71E-02	I						15000	N	210	N	540	N	820000	N	31000	N	0		0	
Ethyl acrylate	140885					4.80E-02	H				1.4	C	0.13	C	0.066	C	120	C	13	C	0		0	
EPTC (S-Ethyl dipropylthiocarbamate)	759944	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
Ethyl acetate	141786	9.00E-01	I								33000	N	3300	N	1200	N	1000000	N	70000	N	0		0	
Ethylbenzene	100414	1.00E-01	I	2.86E-01	I					x	1300	N	1000	N	140	N	200000	N	7800	N	260	E	5	E
Ethylene cyanohydrin	109784	3.00E-01	H								11000	N	1100	N	410	N	610000	N	23000	N	0		0	
Ethylene diamine	107153	2.00E-02	H								730	N	73	N	27	N	41000	N	1600	N	0		0	
Ethylene glycol	107211	2.00E+00	I								73000	N	7300	N	2700	N	1000000	N	160000	N	0		0	
Ethylene glycol, monobutyl ether	111762			5.71E-03	H						210	N	21	N	0		0		0		0		0	
Ethylene oxide	75218					1.02E+00	H	3.50E-01	H		0.066	C	0.018	C	0.0031	C	5.6	C	0.63	C	0		0	
Ethylene thiourea (ETU)	96457	8.00E-05	I			1.19E-01	H				0.57	C	0.053	C	0.027	C	48	C	5.4	C	0		0	
Ethyl ether	60297	2.00E-01	I							x	1200	N	730	N	270	N	410000	N	16000	N	0		0	
Ethyl methacrylate	97632	9.00E-02	H								3300	N	330	N	120	N	180000	N	7000	N	0		0	
Ethyl p-nitrophenyl phenylphosphorothi	2104645	1.00E-05	I								0.37	N	0.037	N	0.014	N	20	N	0.78	N	0		0	
Ethylnitrosourea	759739					1.40E+02	W				0.00048	C	4.5E-05	C	2.3E-05	C	0.041	C	0.0046	C	0		0	
Ethylphthalyl ethyl glycolate	84720	3.00E+00	I								110000	N	11000	N	4100	N	1000000	N	230000	N	0		0	
Express	10120	8.00E-03	I								290	N	29	N	11	N	16000	N	630	N	0		0	
Fenamphos	22224926	2.50E-04	I								9.1	N	0.91	N	0.34	N	510	N	20	N	0		0	
Fluometuron	2164172	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Fluoride	7782414	6.00E-02	I								2200	N	220	N	81	N	120000	N	4700	N	0		0	
Fluoridone	59756604	8.00E-02	I								2900	N	290	N	110	N	160000	N	6300	N	0		0	
Flurprimidol	56425913	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0	
Flutolanil	66332965	6.00E-02	I								2200	N	220	N	81	N	120000	N	4700	N	0		0	
Fluvalinate	69409945	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	
Folpet	133073	1.00E-01	I			3.50E-03	I				19	C	1.8	C	0.9	C	1600	C	180	C	0		0	
Fomesafen	72178020					1.90E-01	I				0.35	C	0.033	C	0.017	C	30	C	3.4	C	0		0	
Fonofos	944229	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Formaldehyde	*50000*	*2.00E-01*	*I*					*4.55E-02*	*I*		*7300*	*N*	*0.14*	*C*	*270*	*N*	*410000*	*N*	*16000*	*N*	*0*		*0*	
Formic Acid	64186	2.00E+00	H								73000	N	7300	N	2700	N	1000000	N	160000	N	0		0	
Fosetyl-al	39148248	3.00E+00	I								110000	N	11000	N	4100	N	1000000	N	230000	N	0		0	
Furan	110009	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Furazolidone	67458					3.80E+00	H				0.018	C	0.0016	C	0.00083	C	1.5	C	0.17	C	0		0	
Furfural	98011	3.00E-03	I	1.43E-02	A						110	N	52	N	4.1	N	6100	N	230	N	0		0	
Furium	531828					5.00E+01	H				0.0013	C	0.00013	C	6.3E-05	C	0.11	C	0.013	C	0		0	
Furmecyclox	60568050					3.00E-02	I				2.2	C	0.21	C	0.11	C	190	C	21	C	0		0	
Glufosinate-ammonium	77182822	4.00E-04	I								15	N	1.5	N	0.54	N	820	N	31	N	0		0	
Glyoxlaldehyde	765344	4.00E-04	I	2.86E-04	H						15	N	1	N	0.54	N	820	N	31	N	0		0	
Glyphosate	1071836	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Haloxyfop-methyl	69806402	5.00E-05	I								1.8	N	0.18	N	0.068	N	100	N	3.9	N	0		0	
Harmony	79277273	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
HCH (alpha)	319846					6.30E+00	I	6.30E+00	I		0.011	C	0.00099	C	0.0005	C	0.91	C	0.1	C	0.9	E	0.0004	E
HCH (beta)	319857					1.80E+00	I	1.80E+00	I		0.037	C	0.0035	C	0.0018	C	3.2	C	0.35	C	16	E	0.002	E
HCH (gamma) Lindane	58899	3.00E-04	I			1.30E+00	H				0.052	C	0.0048	C	0.0024	C	4.4	C	0.49	C	4.2	C	0.006	E
HCH-technical	608731					1.80E+00	I	1.79E+00	I		0.037	C	0.0035	C	0.0018	C	3.2	C	0.35	C	0		0	
Heptachlor	76448	5.00E-04	I			4.50E+00	I	4.55E+00	I	x	0.0023	C	0.0014	C	0.0007	C	1.3	C	0.14	C	0.3	E	0.06	E
Heptachlor epoxide	1024573	1.30E-05	I			9.10E+00	I	9.10E+00	I	x	0.0012	C	0.00069	C	0.00035	C	0.63	C	0.07	C	1	E	0.03	E
Hexabromobenzene	87821	2.00E-03	I							x	12	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Hexachlorobenzene	118741	8.00E-04	I			1.60E+00	I	1.61E+00	I	x	0.0066	C	0.0039	C	0.002	C	3.6	C	0.4	C	1	E	0.8	E
Hexachlorobutadiene	87683	2.00E-04	H			7.80E-02	I	7.70E-02	I	x	0.14	C	0.081	C	0.04	C	73	C	8.2	C	1	E	0.1	E
Hexachlorocyclopentadiene	77474	7.00E-03	I	2.00E-05	H					x	0.15	N	0.073	N	9.5	N	14000	N	550	N	2	E	10	E
Hexachlorodibenzo-p-dioxin mixture	19408743					6.20E+03	I	4.55E+03	I		0.000011	C	1.4E-06	C	5E-07	C	0.00092	C	0.0001	C	0		0	
Hexachloroethane	67721	1.00E-03	I			1.40E-02	I	1.40E-02	I	x	0.75	C	0.45	C	0.23	C	410	C	46	C	49	E	0.2	E

Hexachlorophene	70304	3.00E-04	I									11	N	1.1	N	0.41	N	610	N	23	N	0		0	
Hexahydro-1,3,5-trinitro-1,3,5-triazine	121824	3.00E-03	I			1.10E-01	I					0.61	C	0.057	C	0.029	C	52	C	5.8	C	0		0	
1,6-Hexamethylene diisocyanate	822060			2.86E-06	I							0.1	N	0.01	N	0		0		0		0		0	
n-Hexane	110543	6.00E-02	H	5.71E-02	I						x	350	N	210	N	81	N	120000	N	4700	N	32	N	13	N
Hexazinone	51235042	3.30E-02	I									1200	N	120	N	45	N	67000	N	2600	N	0		0	
Hydrazine, hydrazine sulfate	302012					3.00E+00	I	1.71E+01	I			0.022	C	0.00037	C	0.0011	C	1.9	C	0.21	C	0		0	
Hydrogen chloride	7647010			5.71E-03	I							210	N	21	N	0		0		0		0		0	
Hydrogen sulfide	7783064	3.00E-03	I	2.85E-04	I							110	N	1	N	4.1	N	6100	N	230	N	0		0	
Hydroquinone	123319	4.00E-02	H									1500	N	150	N	54	N	82000	N	3100	N	0		0	
Imazalil	35554440	1.30E-02	I									470	N	47	N	18	N	27000	N	1000	N	0		0	
Imazaquin	81335377	2.50E-01	I									9100	N	910	N	340	N	510000	N	20000	N	0		0	
Iprodione	36734197	4.00E-02	I									1500	N	150	N	54	N	82000	N	3100	N	0		0	
Iron	7439896	3.00E-01	E									11000	N	1100	N	410	N	610000	N	23000	N	0		0	
Isobutanol	78831	3.00E-01	I								x	1800	N	1100	N	410	N	610000	N	23000	N	0		0	
Isophorone	78591	2.00E-01	I			9.50E-04	I					71	C	6.6	C	3.3	C	6000	C	670	C	3400	E	0.2	E
Isopropalin	33820530	1.50E-02	I									550	N	55	N	20	N	31000	N	1200	N	0		0	
Isopropyl methyl phosphonic acid	1832548	1.00E-01	I									3700	N	370	N	140	N	200000	N	7800	N	0		0	
Isoxaben	82558507	5.00E-02	I									1800	N	180	N	68	N	100000	N	3900	N	0		0	
Kepone	143500					1.80E+01	E					0.0037	C	0.00035	C	0.00018	C	0.32	C	0.035	C	0		0	
Lactofen	77501634	2.00E-03	I									73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Linuron	330552	2.00E-03	I									73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Lithium	7439932	2.00E-02	E									730	N	73	N	27	N	41000	N	1600	N	0		0	
Londax	83056996	2.00E-01	I									7300	N	730	N	270	N	410000	N	16000	N	0		0	
Malathion	121755	2.00E-02	I									730	N	73	N	27	N	41000	N	1600	N	0		0	
Maleic anhydride	108316	1.00E-01	I									3700	N	370	N	140	N	200000	N	7800	N	0		0	
Maleic hydrazide	123331	5.00E-01	I									18000	N	1800	N	680	N	1000000	N	39000	N	0		0	
Malononitrile	109773	2.00E-05	H									0.73	N	0.073	N	0.027	N	41	N	1.6	N	0		0	
Mancozeb	8018017	3.00E-02	H									1100	N	110	N	41	N	61000	N	2300	N	0		0	
Maneb	12427382	5.00E-03	I									180	N	18	N	6.8	N	10000	N	390	N	0		0	
**Manganese and compounds	7439965	2.30E-02	I	1.43e-05	I							840	N	0.052	N	31	N	47000	N	1800	N	0		0	
Mephosfolan	950107	9.00E-05	H									3.3	N	0.33	N	0.12	N	180	N	7	N	0		0	
Mepiquat chloride	24307264	3.00E-02	I									1100	N	110	N	41	N	61000	N	2300	N	0		0	
Mercuric chloride	7487947	3.00E-04	I									11	N	1.1	N	0.41	N	610	N	23	N	0		0	
Mercury (inorganic)	7439976	3.00E-04	H	8.57E-05	H							11	N	0.31	N	0.41	N	610	N	23	N	7	E	3	E
Mercury (methyl)	22967926	1.00E-04	I									3.7	N	0.37	N	0.14	N	200	N	7.8	N	0		0	
Merphos	150505	3.00E-05	I									1.1	N	0.11	N	0.041	N	61	N	2.3	N	0		0	
Merphos oxide	78488	3.00E-05	I									1.1	N	0.11	N	0.041	N	61	N	2.3	N	0		0	
Metalaxyl	57837191	6.00E-02	I									2200	N	220	N	81	N	120000	N	4700	N	0		0	
Methacrylonitrile	126987	1.00E-04	I	2.00E-04	A							3.7	N	0.73	N	0.14	N	200	N	7.8	N	0		0	
Methamidophos	10265926	5.00E-05	I									1.8	N	0.18	N	0.068	N	100	N	3.9	N	0		0	
Methanol	67561	5.00E-01	I									18000	N	1800	N	680	N	1000000	N	39000	N	0		0	
Methidathion	950378	1.00E-03	I									37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Methomyl	16752775	2.50E-02	I									910	N	91	N	34	N	51000	N	2000	N	0		0	
Methoxychlor	72435	5.00E-03	I									180	N	18	N	6.8	N	10000	N	390	N	41	S	62	E
2-Methoxyethanol acetate	110496	2.00E-03	A									73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
2-Methoxyethanol	109864	1.00E-03	H	5.71E-03	I							37	N	21	N	1.4	N	2000	N	78	N	0		0	
2-Methoxy-5-nitroaniline	99592					4.60E-02	H					1.5	C	0.14	C	0.069	C	120	C	14	C	0		0	
Methyl acetate	79209	1.00E+00	H									37000	N	3700	N	1400	N	1000000	N	78000	N	0		0	
Methyl acrylate	96333	3.00E-02	A									1100	N	110	N	41	N	61000	N	2300	N	0		0	
2-Methylaniline hydrochloride	636215					1.80E-01	H					0.37	C	0.035	C	0.018	C	32	C	3.5	C	0		0	
2-Methylaniline	95534					2.40E-01	H					0.28	C	0.026	C	0.013	C	24	C	2.7	C	0		0	
Methyl chlorocarbonate	79221	1.00E+00	W									37000	N	3700	N	1400	N	1000000	N	78000	N	0		0	
4-(2-Methyl-4-chlorophenoxy) butyric a	94815	1.00E-02	I									370	N	37	N	14	N	20000	N	780	N	0		0	
2-Methyl-4-chlorophenoxyacetic acid	94746	5.00E-04	I									18	N	1.8	N	0.68	N	1000	N	39	N	0		0	
2-(2-Methyl-14-chlorophenoxy)propioni	93652	1.00E-03	I									37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Methylcyclohexane	108872			8.57E-01	H							31000	N	3100	N	0		0		0		60	S	1500	N
Methylene bromide	74953	1.00E-02	A								x	61	N	37	N	14	N	20000	N	780	N	0		0	
Methylene chloride	75092	6.00E-02	I	8.57E-01	H	7.50E-03	I	1.64E-03	I		x	4.1	C	3.8	C	0.42	C	760	C	85	C	7	E	0.01	E
4,4'-Methylene bis(2-chloroaniline)	101144	7.00E-04	H			1.30E-01	H	1.30E-01	H			0.52	C	0.048	C	0.024	C	44	C	4.9	C	0		0	
4,4'-Methylenebisbenzeneamine	101779					2.50E-01	W					0.27	C	0.025	C	0.013	C	23	C	2.6	C	0		0	
4,4'-Methylene bis(N,N'-dimethyl)anilin	101611					4.60E-02	I					1.5	C	0.14	C	0.069	C	120	C	14	C	0		0	
4,4'-Methylenediphenyl isocyanate	101688			5.71E-06	I						x	0.035	N	0.021	N	0		0		0		0		0	
Methyl ethyl ketone	78933	6.00E-01	I	2.86E-01	I						x	1900	N	1000	N	810	N	1000000	N	47000	N	0		0	
Methyl hydrazine	60344					1.10E+00	W					0.061	C	0.0057	C	0.0029	C	5.2	C	0.58	C	0		0	

Methyl isobutyl ketone	108101	8.00E-02	H	2.29E-02	A						2900	N	84	N	110	N	160000	N	6300	N	0		0	
Methyl methacrylate	80626	8.00E-02	H								2900	N	290	N	110	N	160000	N	6300	N	0		0	
2-Methyl-5-nitroaniline	99558					3.30E-02	H				2	C	0.19	C	0.096	C	170	C	19	C	0		0	
Methyl parathion	298000	2.50E-04	I								9.1	N	0.91	N	0.34	N	510	N	20	N	28	S	0.041	N
2-Methylphenol (o-cresol)	95487	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	12000	S	6	E
3-Methylphenol (m-cresol)	103394	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
4-Methylphenol (p-cresol)	106445	5.00E-03	H								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Methyl styrene (mixture)	25013154	6.00E-03	A	1.14E-02	A					x	60	N	42	N	8.1	N	12000	N	470	N	100	N	1	N
Methyl styrene (alpha)	98839	7.00E-02	A							x	430	N	260	N	95	N	140000	N	5500	N	8.8	S	7.5	N
Methyl tertbutyl ether (MTBE)	1634044	5.00E-03	E	8.57E-01	I					x	180	N	3100	N	6.8	N	10000	N	390	N	0		0	
Metolachlor (Dual)	51218452	1.50E-01	H								5500	N	550	N	200	N	310000	N	12000	N	0		0	
Metribuzin	21087649	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
Mirex	2385855	2.00E-04	I			1.80E+00	W				0.037	C	0.0035	C	0.0018	C	3.2	C	0.35	C	0		0	
Molinate	2212671	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Molybdenum	7439987	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Monochloramine	10599903	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Naled	300765	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
2-Naphthylamine	91598					1.30e+02	E				0.00052	C	4.8E-05	C	2.4E-05	C	0.044	C	0.0049	C	0		0	
Napropamide	15299997	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Nickel refinery dust	0							8.40E-01	I		0		0.0075	C	0		0		0		0		0	
Nickel and compounds	7440020	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	6900	E	21	E
Nickel subsulfide	12035722							1.70E+00	I		0		0.0037	C	0		0		0		0		0	
Nitrapyrin	1929824	1.50E-03	W								55	N	5.5	N	2	N	3100	N	120	N	0		0	
Nitrate	14797558	1.60E+00	I								58000	N	5800	N	2200	N	1000000	N	130000	N	0		0	
Nitric oxide	10102439	1.00E-01	W								3700	N	370	N	140	N	200000	N	7800	N	0		0	
Nitrite	14797650	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
2-Nitroaniline	88744	6.00E-05	W	5.71E-05	H						2.2	N	0.21	N	0.081	N	120	N	4.7	N	0		0	
3-Nitroaniline	99092	3.00E-03	O								110	N	11	N	4.1	N	6100	N	230	N	0		0	
4-Nitroaniline	100016	3.00E-03	O								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Nitrobenzene	98953	5.00E-04	I	5.71E-04	A					x	3.4	N	2.1	N	0.68	N	1000	N	39	N	110	E	0.09	E
Nitrofurantoin	67209	7.00E-02	H								2600	N	260	N	95	N	140000	N	5500	N	0		0	
Nitrofurazone	59870					1.50E+00	H	9.40E+00	H		0.045	C	0.00067	C	0.0021	C	3.8	C	0.43	C	0		0	
Nitrogen dioxide	10102440	1.00E+00	W								37000	N	3700	N	1400	N	1000000	N	78000	N	0		0	
Nitroguanidine	556887	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	0		0	
4-Nitrophenol	100027	6.20E-02	O								2300	N	230	N	84	N	130000	N	4800	N	0		0	
2-Nitropropane	79469			5.71E-03	I			9.40E+00	H		210	N	0.00067	C	0		0		0		0		0	
N-Nitrosodi-n-butylamine	924163					5.40E+00	I	5.60E+00	I		0.012	C	0.0011	C	0.00058	C	1.1	C	0.12	C	0		0	
N-Nitrosodiethanolamine	1116547					2.80E+00	I				0.024	C	0.0022	C	0.0011	C	2	C	0.23	C	0		0	
N-Nitrosodiethylamine	55185					1.50E+02	I	1.51E+02	I		0.00045	C	4.1E-05	C	2.1E-05	C	0.038	C	0.0043	C	0		0	
N-Nitrosodimethylamine	62759					5.10E+01	I	4.90E+01	I		0.0013	C	0.00013	C	6.2E-05	C	0.11	C	0.013	C	0		0	
N-Nitrosodiphenylamine	86306					4.90E-03	I				14	C	1.3	C	0.64	C	1200	C	130	C	29	C	0.2	E
N-Nitroso di-n propylamine	621647					7.00E+00	I				0.0096	C	0.00089	C	0.00045	C	0.82	C	0.091	C	0.014	C	0.00002	E
N-Nitroso-N-methylethylamine	10595956					2.20E+01	I				0.0031	C	0.00028	C	0.00014	C	0.26	C	0.029	C	0		0	
N-Nitrosopyrrolidine	930552					2.10E+00	I	2.13E+00	I		0.032	C	0.0029	C	0.0015	C	2.7	C	0.3	C	0		0	
m-Nitrotoluene	99081	1.00E-02	H							x	61	N	37	N	14	N	20000	N	780	N	460	S	0.42	N
o-Nitrotoluene	88722	1.00E-02	H							x	61	N	37	N	14	N	20000	N	780	N	460	S	0.42	N
p-Nitrotoluene	99990	1.00E-02	H							x	61	N	37	N	14	N	20000	N	780	N	460	S	0.42	N
Norflurazon	27314132	4.00E-02	I								1500	N	150	N	54	N	82000	N	3100	N	0		0	
NuStar	85509199	7.00E-04	I								26	N	2.6	N	0.95	N	1400	N	55	N	0		0	
Octabromodiphenyl ether	32536520	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Octahydro-1357-tetranitro-1357-tetraz	2691410	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Octamethylpyrophosphoramide	152169	2.00E-03	H								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Oryzalin	19044883	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Oxadiazon	19666309	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Oxamyl	23135220	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
Oxyfluorfen	42874033	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Paclobutrazol	76738620	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Paraquat	1910425	4.50E-03	I								160	N	16	N	6.1	N	9200	N	350	N	0		0	
Parathion	56382	6.00E-03	H								220	N	22	N	8.1	N	12000	N	470	N	110	S	3.9	N
Pebulate	1114712	5.00E-02	H								1800	N	180	N	68	N	100000	N	3900	N	0		0	
Pendimethalin	40487421	4.00E-02	I								1500	N	150	N	54	N	82000	N	3100	N	0		0	
Pentabromo-6-chloro cyclohexane	87843					2.30E-02	H				2.9	C	0.27	C	0.14	C	250	C	28	C	0		0	
Pentabromodiphenyl ether	32534819	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0	
Pentachlorobenzene	608935	8.00E-04	I							x	4.9	N	2.9	N	1.1	N	1600	N	63	N	570	N	48	N

Pentachloronitrobenzene	82688	3.00E-03	I			2.60E-01	H			x	0.041	C	0.024	C	0.012	C	22	C	2.5	C	0		0			
Pentachlorophenol	87865	3.00E-02	I			1.20E-01	I				0.56	C	0.052	C	0.026	C	48	C	5.3	C	7.9	C	0.2	E		
Permethrin	52645531	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0			
Phenmedipham	13684634	2.50E-01	I								9100	N	910	N	340	N	510000	N	20000	N	0		0			
Phenol	108952	6.00E-01	I								22000	N	2200	N	810	N	1000000	N	47000	N	21000	S	49	E		
m-Phenylenediamine	108452	6.00E-03	I								220	N	22	N	8.1	N	12000	N	470	N	0		0			
p-Phenylenediamine	106503	1.90E-01	H								6900	N	690	N	260	N	390000	N	15000	N	0		0			
Phenylmercuric acetate	62384	8.00E-05	I								2.9	N	0.29	N	0.11	N	160	N	6.3	N	0		0			
2-Phenylphenol	90437					1.94E-03	H				35	C	3.2	C	1.6	C	3000	C	330	C	0		0			
Phorate	298022	2.00E-04	H								7.3	N	0.73	N	0.27	N	410	N	16	N	0		0			
Phosmet	732116	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0			
Phosphine	7803512	3.00E-04	I	8.57E-05	I						11	N	0.31	N	0.41	N	610	N	23	N	0		0			
Phosphoric acid	7664382			2.86E-03	I						100	N	10	N	0		0		0		0		0			
Phosphorus (white)	7723140	2.00E-05	I								0.73	N	0.073	N	0.027	N	41	N	1.6	N	0		0			
p-Phthalic acid	100210	1.00E+00	H								37000	N	3700	N	1400	N	1000000	N	78000	N	0		0			
Phthalic anhydride	85449	2.00E+00	I	3.43E-02	H						73000	N	130	N	2700	N	1000000	N	160000	N	0		0			
Picloram	1918021	7.00E-02	I								2600	N	260	N	95	N	140000	N	5500	N	0		0			
Pirimiphos-methyl	29232937	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0			
Polybrominated biphenyls	0	7.00E-06	H			8.90E+00	H				0.0076	C	0.0007	C	0.00035	C	0.64	C	0.072	C	0		0			
Polychlorinated biphenyls (PCBs)	1336363					7.70E+00	I				0.0087	C	0.00081	C	0.00041	C	0.74	C	0.083	C	0		0			
Aroclor 1016	12674112	7.00E-05	I								2.6	N	0.26	N	0.095	N	140	N	5.5	N	0		0			
Aroclor 1254	11097691	2.00E-05	I								0.73	N	0.073	N	0.027	N	41	N	1.6	N	0		0			
Polychlorinated terphenyls (PCTs)	0					4.50E+00	E				0.015	C	0.0014	C	0.0007	C	1.3	C	0.14	C	0		0			
Polynuclear aromatic hydrocarbons	0										0		0		0		0		0		110000	S	0			
Acenaphthene	83329	6.00E-02	I								2200	N	220	N	81	N	120000	N	4700	N	120	S	200	E		
Anthracene	120127	3.00E-01	I								11000	N	1100	N	410	N	610000	N	23000	N	6.8	S	4300	E		
Benz[a]anthracene	56553					7.30E-01	E	6.10E-01	E		0.092	C	0.01	C	0.0043	C	7.8	C	0.88	C	27	S	0.7	E		
Benzo[b]fluoranthene	205992					7.30E-01	E	6.10E-01	E		0.092	C	0.01	C	0.0043	C	7.8	C	0.88	C	23	S	4	E		
Benzo[k]fluoranthene	207089					7.30E-02	E	6.10E-02	E		0.92	C	0.1	C	0.043	C	78	C	8.8	C	0		4	E		
Benzo[a]pyrene	50328					7.30E+00	I	6.10E+00	W		0.0092	C	0.001	C	0.00043	C	0.78	C	0.088	C	11	S	4	E		
Carbazole	86748					2.00E-02	H				3.4	C	0.31	C	0.16	C	290	C	32	C	11	S	0.5	E		
Chrysene	218019					7.30E-03	E	6.10E-03	E		9.2	C	1	C	0.43	C	780	C	88	C	3.6	S	1	E		
Dibenz[ah]anthracene	53703					7.30E+00	E	6.10E+00	E		0.0092	C	0.001	C	0.00043	C	0.78	C	0.088	C	7.2	S	11	E		
Fluoranthene	206440	4.00E-02	I								1500	N	150	N	54	N	82000	N	3100	N	68	S	980	E		
Fluorene	86737	4.00E-02	I								1500	N	150	N	54	N	82000	N	3100	N	89	S	160	E		
Indeno[1,2,3-cd]pyrene	193395					7.30E-01	E	6.10E-01	E		0.092	C	0.01	C	0.0043	C	7.8	C	0.88	C	280	S	35	E		
Naphthalene	91203	4.00E-02	W								1500	N	150	N	54	N	82000	N	3100	N	180	S	30	E		
Pyrene	129000	3.00E-02	I								1100	N	110	N	41	N	61000	N	2300	N	56	S	1400	E		
Prochloraz	67747095	9.00E-03	I			1.50E-01	I				0.45	C	0.042	C	0.021	C	38	C	4.3	C	0		0			
Profluralin	26399360	6.00E-03	H								220	N	22	N	8.1	N	12000	N	470	N	0		0			
Prometon	1610180	1.50E-02	I								550	N	55	N	20	N	31000	N	1200	N	0		0			
Prometryn	7287196	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	0		0			
Pronamide	23950585	7.50E-02	I								2700	N	270	N	100	N	150000	N	5900	N	0		0			
Propachlor	1918167	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0			
Propanil	709988	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0			
Propargite	2312358	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0			
Propargyl alcohol	107197	2.00E-03	I								73	N	7.3	N	2.7	N	4100	N	160	N	0		0			
Propazine	139402	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0			
Propham	122429	2.00E-02	I								730	N	73	N	27	N	41000	N	1600	N	0		0			
Propiconazole	60207901	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0			
Propylene glycol	57556	2.00E+01	H								730000	N	73000	N	27000	N	1000000	N	1000000	N	0		0			
Propylene glycol, monoethyl ether	52125538	7.00E-01	H								26000	N	2600	N	950	N	1000000	N	55000	N	0		0			
Propylene glycol, monomethyl ether	107982	7.00E-01	H	5.71E-01	I						26000	N	2100	N	950	N	1000000	N	55000	N	0		0			
Propylene oxide	75569			8.57E-03	I	2.40E-01	I	1.29E-02	I		0.28	C	0.49	C	0.013	C	24	C	2.7	C	0		0			
Pursuit	81335775	2.50E-01	I								9100	N	910	N	340	N	510000	N	20000	N	0		0			
Pydrin	51630581	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0			
Pyridine	110861	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0			
Quinalphos	13593038	5.00E-04	I								18	N	1.8	N	0.68	N	1000	N	39	N	0		0			
Quinoline	91225					1.20E+01	H				0.0056	C	0.00052	C	0.00026	C	0.48	C	0.053	C	0		0			
Resmethrin	10463868	3.00E-02	I								1100	N	110	N	41	N	61000	N	2300	N	0		0			
Ronnel	299843	5.00E-02	H								1800	N	180	N	68	N	100000	N	3900	N	0		0			
Rotenone	83794	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	0		0			
Savey	78587050	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0			
Selenious Acid	7783008	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0			

Selenium	7782492	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		3	E
Selenourea	630104	5.00E-03	H								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Sethoxydim	74051802	9.00E-02	I								3300	N	330	N	120	N	180000	N	7000	N	0		0	
Silver and compounds	7440224	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Simazine	122349	5.00E-03	I			1.20E-01	H				0.56	C	0.052	C	0.026	C	48	C	5.3	C	0		0	
Sodium azide	26628228	4.00E-03	I								150	N	15	N	5.4	N	8200	N	310	N	0		0	
Sodium diethyldithiocarbamate	148185	3.00E-02	I			2.70E-01	H				0.25	C	0.023	C	0.012	C	21	C	2.4	C	0		0	
Sodium fluoroacetate	62748	2.00E-05	I								0.73	N	0.073	N	0.027	N	41	N	1.6	N	0		0	
Sodium metavanadate	13718268	1.00E-03	H								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Strontium, stable	7440246	6.00E-01	I								22000	N	2200	N	810	N	1000000	N	47000	N	0		0	
Strychnine	57249	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	0		0	
Styrene	100425	2.00E-01	I	2.86E-01	I					x	1600	N	1000	N	270	N	410000	N	16000	N	1400	E	2	E
Systhane	88671890	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
2,3,7,8-TCDD (dioxin)	1746016					1.56E+05	H	1.16E+05	H		4.3E-07	C	5.4E-08	C	0	C	0.000037	C	4.1E-06	C	0		0	
Tebuthiuron	34014181	7.00E-02	I								2600	N	260	N	95	N	140000	N	5500	N	0		0	
Temephos	3383968	2.00E-02	H								730	N	73	N	27	N	41000	N	1600	N	0		0	
Terbacil	5902512	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Terbufos	13071799	2.50E-05	H								0.91	N	0.091	N	0.034	N	51	N	2	N	0		0	
Terbutryn	886500	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
1,2,4,5-Tetrachlorobenzene	95943	3.00E-04	I							x	1.8	N	1.1	N	0.41	N	610	N	23	N	91	N	0.69	N
1,1,1,2-Tetrachloroethane	630206	3.00E-02	I			2.60E-02	I	2.59E-02	I	x	0.41	C	0.24	C	0.12	C	220	C	25	C	0		0	
1,1,2,2-Tetrachloroethane	79345					2.00E-01	I	2.03E-01	I	x	0.052	C	0.031	C	0.016	C	29	C	3.2	C	0.4	E	0.001	E
Tetrachloroethylene (PCE)	127184	1.00E-02	I			5.20E-02	E	2.03E-03	E	x	1.1	C	3.1	C	0.061	C	110	C	12	C	11	E	0.04	E
2,3,4,6-Tetrachlorophenol	58902	3.00E-02	I								1100	N	110	N	41	N	61000	N	2300	N	0		0	
p,a,a,a-Tetrachlorotoluene	5216251					2.00E+01	H			x	0.00053	C	0.00031	C	0.00016	C	0.29	C	0.032	C	0		0	
Tetrachlorovinphos	961115	3.00E-02	I			2.40E-02	H				2.8	C	0.26	C	0.13	C	240	C	27	C	0		0	
Tetraethyldithiopyrophosphate	3689245	5.00E-04	I								18	N	1.8	N	0.68	N	1000	N	39	N	0		0	
Tetraethyl lead	78002	1.00E-07	I								0.0037	N	0.00037	N	0.00014	N	0.2	N	0.0078	N	0.00068	N	0.000034	N
1,1,1,2-Tetrafluoroethane	811972		I	2.29E+01						x	140000	N	84000	N	0		0		0		0		0	
Thallic oxide	1314325	7.00E-05	W								2.6	N	0.26	N	0.095	N	140	N	5.5	N	0		0	
Thallium	0										0		0		0		0		0		0		0.4	E
Thallium acetate	563688	9.00E-05	I								3.3	N	0.33	N	0.12	N	180	N	7	N	0		0	
Thallium carbonate	6533739	8.00E-05	I								2.9	N	0.29	N	0.11	N	160	N	6.3	N	0		0	
Thallium chloride	7791120	8.00E-05	I								2.9	N	0.29	N	0.11	N	160	N	6.3	N	0		0	
Thallium nitrate	10102451	9.00E-05	I								3.3	N	0.33	N	0.12	N	180	N	7	N	0		0	
Thallium selenite	12039520	9.00E-05	W								3.3	N	0.33	N	0.12	N	180	N	7	N	0		0	
Thallium sulfate	7446186	8.00E-05	I								2.9	N	0.29	N	0.11	N	160	N	6.3	N	0		0	
Thiobencarb	28249776	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	
2-(Thiocyanomethylthio)-benzothiazole	21564170	3.00E-02	H								1100	N	110	N	41	N	61000	N	2300	N	0		0	
Thiofanox	39196184	3.00E-04	H								11	N	1.1	N	0.41	N	610	N	23	N	0		0	
Thiophanate methyl	23564058	8.00E-02	I								2900	N	290	N	110	N	160000	N	6300	N	0		0	
Thiram	137268	5.00E-03	I								180	N	18	N	6.8	N	10000	N	390	N	0		0	
Tin and compounds	0	6.00E-01	H								22000	N	2200	N	810	N	1000000	N	47000	N	0		0	
Toluene	108883	2.00E-01	I	1.14E-01	I					x	750	N	420	N	270	N	410000	N	16000	N	520	E	5	E
Toluene-2,4 diamine	95807					3.20E+00	H				0.021	C	0.002	C	0.00099	C	1.8	C	0.2	C	0		0	
Toluene-2,5-diamine	95705	6.00E-01	H								22000	N	2200	N	810	N	1000000	N	47000	N	0		0	
Toluene-2,6 diamine	823405	2.00E-01	H								7300	N	730	N	270	N	410000	N	16000	N	0		0	
p-Toluidine	106490					1.90E-01	H				0.35	C	0.033	C	0.017	C	30	C	3.4	C	0		0	
Toxaphene	8001352					1.10E+00	I	1.12E+00	I		0.061	C	0.0056	C	0.0029	C	5.2	C	0.58	C	5	E	0.04	E
Tralomethrin	66841256	7.50E-03	I								270	N	27	N	10	N	15000	N	590	N	0		0	
Triallate	2303175	1.30E-02	I								470	N	47	N	18	N	27000	N	1000	N	0		0	
Triasulfuron	82097505	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	
1,2,4-Tribromobenzene	615543	5.00E-03	I							x	30	N	18	N	6.8	N	10000	N	390	N	0		0	
Tributyltin oxide (TBTO)	56359	3.00E-05	I								1.1	N	0.11	N	0.041	N	61	N	2.3	N	0		0	
2,4,6-Trichloroaniline hydrochloride	33663502					2.90E-02	H				2.3	C	0.22	C	0.11	C	200	C	22	C	0		0	
2,4,6-Trichloroaniline	634935					3.40E-02	H				2	C	0.18	C	0.093	C	170	C	19	C	0		0	
1,2,4-Trichlorobenzene	120821	1.00E-02	I	5.71e-02	H					x	190	N	210	N	14	N	20000	N	780	N	240	E	2	E
**1,1,1-Trichloroethane	71556	3.50E-02	E	2.86E-01	W					x	790	N	1000	N	47	N	72000	N	2700	N	980	E	0.9	E
1,1,2-Trichloroethane	79005	4.00E-03	I			5.70E-02	I	5.60E-02	I	x	0.19	C	0.11	C	0.055	C	100	C	11	C	0.8	E	0.01	E
Trichloroethylene (TCE)	79016	6.00E-03	E			1.10E-02	W	6.00E-03	E	x	1.6	C	1	C	0.29	C	520	C	58	C	3	E	0.02	E
Trichlorofluoromethane	75694	3.00E-01	I	2.00E-01	A					x	1300	N	730	N	410	N	610000	N	23000	N	790	N	13	N
2,4,5-Trichlorophenol	95954	1.00E-01	I								3700	N	370	N	140	N	200000	N	7800	N	8200	S	120	E
2,4,6-Trichlorophenol	88062					1.10E-02	I	1.09E-02	I		6.1	C	0.57	C	0.29	C	520	C	58	C	150	C	0.06	E
2,4,5-Trichlorophenoxyacetic acid	93765	1.00E-02	I								370	N	37	N	14	N	20000	N	780	N	0		0	

2-(2,4,5-Trichlorophenoxy)propionic ac	93721	8.00E-03	I								290	N	29	N	11	N	16000	N	630	N	0		0	
1,1,2-Trichloropropane	598776	5.00E-03	I							x	30	N	18	N	6.8	N	10000	N	390	N	13	N	0.14	N
1,2,3-Trichloropropane	96184	6.00E-03	I			7.00e+00	I			x	0.0015	C	0.00089	C	0.00045	C	0.82	C	0.091	C	0.000027	C	0.000006	C
1,2,3-Trichloropropene	96195	5.00E-03	H							x	30	N	18	N	6.8	N	10000	N	390	N	0		0	
1,1,2-Trichloro-1,2,2- trifluoroethane	76131	3.00E+01	I	8.57E+00	H					x	59000	N	31000	N	41000	N	1000000	N	1000000	N	2400	S	3100	N
Tridiphane	58138082	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Triethylamine	121448			2.00E-03	I						73	N	7.3	N	0		0		0		0		0	
Trifluralin	1582098	7.50E-03	I			7.70E-03	I				8.7	C	0.81	C	0.41	C	740	C	83	C	0		0	
1,2,4-Trimethylbenzene	95636	5.00e-02	E							x	300	N	180	N	68	N	100000	N	3900	N	0		0	
1,3,5-Trimethylbenzene	108678	5.00e-02	E							x	300	N	180	N	68	N	100000	N	3900	N	98	S	0.26	M
Trimethyl phosphate	512561					3.70E-02	H				1.8	C	0.17	C	0.085	C	150	C	17	C	0		0	
1,3,5-Trinitrobenzene	99354	5.00E-05	I								1.8	N	0.18	N	0.068	N	100	N	3.9	N	0		0	
Trinitrophenylmethylnitramine	479458	1.00E-02	H								370	N	37	N	14	N	20000	N	780	N	0		0	
2,4,6-Trinitrotoluene	118967	5.00E-04	I			3.00E-02	I				2.2	C	0.21	C	0.11	C	190	C	21	C	0		0	
Uranium (soluble salts)	7440611	3.00E-03	I								110	N	11	N	4.1	N	6100	N	230	N	0		0	
Vanadium	7440622	7.00E-03	H								260	N	26	N	9.5	N	14000	N	550	N	0		0	
Vanadium pentoxide	1314621	9.00E-03	I								330	N	33	N	12	N	18000	N	700	N	0		0	
Vanadium sulfate	36907423	2.00E-02	H								730	N	73	N	27	N	41000	N	1600	N	0		0	
Vernam	1929777	1.00E-03	I								37	N	3.7	N	1.4	N	2000	N	78	N	0		0	
Vinclozolin	50471448	2.50E-02	I								910	N	91	N	34	N	51000	N	2000	N	0		0	
Vinyl acetate	108054	1.00E+00	H	5.71E-02	I						37000	N	210	N	1400	N	1000000	N	78000	N	370	E	84	E
Vinyl bromide	593602			8.57E-04	I					x	5.2	N	3.1	N	0		0		0		2	N	0.018	N
Vinyl chloride	75014					1.90E+00	H	3.00E-01	H	x	0.019	C	0.021	C	0.0017	C	3	C	0.34	C	0.002	E	0.01	E
Warfarin	81812	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	0.046	N	1800	N
m-Xylene	1.08E+05	2.00E+00	H	2.00E-01	W					x	1400	N	730	N	2700	N	1000000	N	160000	N	950	S	2.40E+02	M
o-Xylene	9.55E+04	2.00E+00	H	2.00E-01	W					x	1400	N	730	N	2700	N	1000000	N	160000	N	730	S	1.50E+02	M
p-Xylene	1.06E+05			8.57E-02	W					x	520	N	310	N	0		0		0		1000	S	2.20E+02	M
Xylene (mixed)	1.33E+06	2.00E+00	I							x	12000	N	7300	N	2700	N	1000000	N	160000	N	320	E	7.40E+01	E
Zinc	7.44E+06	3.00E-01	I								11000	N	1100	N	410	N	610000	N	23000	N	0		4.20E+04	E
Zinc phosphide	1.31E+06	3.00E-04	I								11	N	1.1	N	0.41	N	610	N	23	N	0		0.00E+00	
Zineb	1.21E+07	5.00E-02	I								1800	N	180	N	68	N	100000	N	3900	N	0		0.00E+00	

ATTACHMENT 6

ATTACHMENT 6

SUMMARY OF INCREMENTAL RISK ANALYSIS

Summary of Incremental Risk Analysis

11-Apr-97

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
B15P							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	3/28/95	0.500	0.00	0.004	0.00E+00	
Atrazine	*ND*	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	*ND*	3/28/95	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	3/28/95	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	3/28/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	*ND*	3/28/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	3/28/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	*ND*	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	*ND*	3/28/95	0.120	0.00	220.		0.00E+00
Endrin	*ND*	3/28/95	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	3/28/95	1.200	0.00	180.		0.00E+00
Parathion	*ND*	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/28/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/28/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	4.00	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	20.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	100.00	3/28/95	98.000	2.00	3300.		6.06E-04
Cadmium (dis)	0.20	3/28/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	20.00	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/28/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	3/28/95	1,480.000	0.00	840.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Mercury (dis)	ND	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	ND	3/28/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	7320.00	3/28/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	300.00	3/28/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	ND	3/28/95	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
1,3-Dichlorobenzene	*ND*	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	*ND*	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	*ND*	3/28/95	10.000	0.00	150.		0.00E+00
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/28/95	10.000	0.00	3700.		0.00E+00
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**0.00E+00**	**6.06E-04**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
B15R							
Herb/Pest							
Carcinogenic							
Alachlor	ND	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	ND	3/28/95	0.500	0.00	0.004	0.00E+00	
Atrazine	ND	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	ND	3/28/95	1.200	0.00	0.052	0.00E+00	
DDD	ND	3/28/95	0.250	0.00	0.28	0.00E+00	
DDE	ND	3/28/95	0.250	0.00	0.2	0.00E+00	
DDT	ND	3/28/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	ND	3/28/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	ND	3/28/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	ND	3/28/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	ND	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	ND	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	ND	3/28/95	0.120	0.00	220.		0.00E+00
Endrin	ND	3/28/95	0.250	0.00	11.		0.00E+00
Methoxychlor	ND	3/28/95	1.200	0.00	180.		0.00E+00
Parathion	ND	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	37.00	11/21/96	2.000	35.00	0.045(c)/11.(n)	7.78E-04	3.18E+00
Carcinogenic							
Beryllium (dis)	ND	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	ND	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	260000.00	11/21/96	900.000	259,100.00	1000.		2.59E+02
Antimony (dis)	2.00	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	340.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	1400.00	11/21/96	98.000	1,302.00	3300.		3.95E-01
Cadmium (dis)	ND	11/21/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	20.00	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	3900.00	11/21/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	1240.00	3/28/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	150.00	3/28/95	40.000	110.00	730.		1.51E-01
Nitrate, Nitrogen	160.00	11/21/96	11,740.000	0.00	58000.		0.00E+00

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	620.00	11/21/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	11.00	3/28/95	3.700	7.30	0.44	1.66E-05	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	6.00	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	6.00	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	ND	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	ND	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	14.00	3/28/95	10.000	4.00	3700.		1.08E-03
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	6.00	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**7.94E-04**	**2.63E+02**

Notes
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All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G114							
Inorganic							
Both							
Arsenic (dis)	49.00	11/20/96	2.000	47.00	0.045(c)/11.(n)	1.04E-03	4.27E+00
Non-carcinogenic							
Ammonia, Nitrogen	1160.00	11/20/96	900.000	260.00	1000.		2.60E-01
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Iron (dis)	9100.00	11/20/96	4,530.000	4,570.00	11000.		4.15E-01
Manganese (dis)	420.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	110.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	150.00	11/20/96	236,070.000	0.00	11000.		0.00E+00
Totals:						**1.04E-03**	**4.95E+00**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G115							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	92.00	11/20/96	2.000	90.00	0.045(c)/11.(n)	2.00E-03	8.18E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	50.00	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	1500.00	11/20/96	900.000	600.00	1000.		6.00E-01
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	360.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	10.00	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	50200.00	3/29/95	4,530.000	45,670.00	11000.		4.15E+00
Manganese (dis)	1210.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	30.00	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12700.00	3/29/95	11,740.000	960.00	58000.		1.66E-02
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	300.00	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	6.00	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/29/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**2.00E-03**	**1.30E+01**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G116							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	ND	3/30/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	ND	3/30/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	ND	3/30/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	180.00	3/30/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	ND	3/30/95	250.000	0.00	15.		0.00E+00
Barium (dis)	40.00	3/30/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	ND	3/30/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	ND	3/30/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	ND	3/30/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	3/30/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	3/30/95	34.000	0.00	730.		0.00E+00
Iron (dis)	110.00	3/30/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	10.00	3/30/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	3/30/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	ND	3/30/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	4870.00	3/30/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	ND	3/30/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/30/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/30/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/30/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	20.00	3/30/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	ND	3/30/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/30/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/30/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/30/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/30/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/30/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	ND	3/30/95	3.700	0.00	0.44	0.00E+00	
Benzene	ND	3/30/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/30/95	72.000	0.00	4.8	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Bromodichloromethane	*ND*	3/30/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/30/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/30/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/30/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/30/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/30/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/30/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/30/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/30/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/30/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/30/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/30/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/30/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/30/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/30/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/30/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/30/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/30/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/30/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/30/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/30/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/30/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/30/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/30/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/30/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/30/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/30/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/30/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/30/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/30/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/30/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/30/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**0.00E+00**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G116A							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/30/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/30/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/30/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	57900.00	11/20/96	900.000	57,000.00	1000.		5.70E+01
Antimony (dis)	*ND*	3/30/95	250.000	0.00	15.		0.00E+00
Barium (dis)	240.00	3/30/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	630.00	11/20/96	98.000	532.00	3300.		1.61E-01
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/30/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/30/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/30/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*1700.00*	*11/20/96*	*1,480.000*	*220.00*	*840.*		2.62E-01
Mercury (dis)	*ND*	3/30/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/30/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	8630.00	3/30/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/30/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/30/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/30/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/30/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/30/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/30/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/30/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/30/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/30/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/30/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/30/95	2.800	0.00	0.36	0.00E+00	

Notes.
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	5.00	3/30/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/30/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/30/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/30/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/30/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/30/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/30/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/30/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/30/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/30/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/30/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/30/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/30/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/30/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/30/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	8.00	3/30/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/30/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/30/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/30/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/30/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/30/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/30/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/30/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	8.00	3/30/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/30/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/30/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/30/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/30/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/30/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/30/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/30/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/30/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/30/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**5.74E+01**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G116D							
Herb/Pest							
Carcinogenic							
Alachlor	ND	3/30/95	2.000	0.00	0.84	0.00E+00	
Aldrin	ND	3/30/95	0.500	0.00	0.004	0.00E+00	
Atrazine	ND	3/30/95	3.000	0.00	0.3	0.00E+00	
Chlordane	ND	3/30/95	1.200	0.00	0.052	0.00E+00	
DDD	ND	3/30/95	0.250	0.00	0.28	0.00E+00	
DDE	ND	3/30/95	0.250	0.00	0.2	0.00E+00	
DDT	ND	3/30/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	ND	3/30/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	ND	3/30/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	ND	3/30/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	ND	3/30/95	100.000	0.00	730.		0.00E+00
Aldicarb	ND	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	ND	3/30/95	0.120	0.00	220.		0.00E+00
Endrin	ND	3/30/95	0.250	0.00	11.		0.00E+00
Methoxychlor	ND	3/30/95	1.200	0.00	180.		0.00E+00
Parathion	ND	3/30/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	ND	3/30/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	ND	3/30/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	ND	3/30/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	3660.00	3/28/95	900.000	2,760.00	1000.		2.76E+00
Antimony (dis)	ND	3/30/95	250.000	0.00	15.		0.00E+00
Barium (dis)	90.00	3/30/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	ND	3/30/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	ND	3/30/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	ND	3/30/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	3/30/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	3/30/95	34.000	0.00	730.		0.00E+00
Iron (dis)	ND	3/30/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	ND	3/30/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	3/30/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	ND	3/30/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	3420.00	3/30/95	11,740.000	0.00	58000.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	*ND*	3/30/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/30/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/30/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/30/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	*ND*	3/30/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	*ND*	3/30/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/30/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/30/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	*ND*	3/30/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/30/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/30/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/30/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	*ND*	3/30/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/30/95	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	*ND*	3/30/95	10.000	0.00	0.12	0.00E+00	
Benzene	*ND*	3/30/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	13.00	3/30/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/30/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/30/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/30/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/30/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/30/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/30/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/30/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/30/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/30/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/30/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/30/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/30/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/30/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/30/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	*ND*	3/30/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	*ND*	3/30/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/30/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	*ND*	3/30/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	540.		0.00E+00
1-Butanol	*ND*	3/30/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	*ND*	3/30/95	10.000	0.00	150.		0.00E+00

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	ND	3/30/95	500.000	0.00	2300.		0.00E+00
Acetone	ND	3/30/95	10.000	0.00	3700.		0.00E+00
Acrolein	ND	3/30/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	ND	3/30/95	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	3/30/95	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	3/30/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	3/30/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	3/30/95	5.000	0.00	39.		0.00E+00
Chloroethane	ND	3/30/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	ND	3/30/95	150.000	0.00	61.		0.00E+00
Cumene	ND	3/30/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	ND	3/30/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	ND	3/30/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	3/30/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	ND	3/30/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	ND	3/30/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	ND	3/30/95	5.000	0.00	1300.		0.00E+00
m-Xylene	ND	3/30/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	ND	3/30/95	5.000	0.00	61.		0.00E+00
Naphthalene	ND	3/30/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	3/30/95	100.000	0.00	3.4		0.00E+00
o-Xylene	ND	3/30/95	5.000	0.00	1400.		0.00E+00
p-Xylene	ND	3/30/95	5.000	0.00	520.		0.00E+00
Phenol	ND	3/30/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	ND	3/30/95	5.000	0.00	61.		0.00E+00
Styrene	ND	3/30/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	ND	3/30/95	5.000	0.00	61.		0.00E+00
Toluene	ND	3/30/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	3/30/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	ND	3/30/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	ND	3/30/95	10.000	0.00	37000.		0.00E+00
Totals:						**0.00E+00**	**2.76E+00**

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Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G117							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	5/17/96	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	5/17/96	0.500	0.00	0.004	0.00E+00	
Chlordane	*ND*	5/17/96	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	5/17/96	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	5/17/96	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	5/17/96	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	5/17/96	0.250	0.00	0.004	0.00E+00	
Heptachlor epoxide	*ND*	5/17/96	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	5/17/96	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	5/17/96	100.000	0.00	730.		0.00E+00
Endosulfan I	*ND*	5/17/96	0.120	0.00	220.		0.00E+00
Endrin	*ND*	5/17/96	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	5/17/96	1.200	0.00	180.		0.00E+00
Parathion	*ND*	5/17/96	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	5.00	5/17/96	2.000	3.00	0.045(c)/11.(n)	6.67E-05	2.73E-01
Carcinogenic							
Beryllium (dis)	*ND*	5/17/96	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	1000.00	11/20/96	900.000	100.00	1000.		1.00E-01
Antimony (dis)	3.00	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	460.00	5/17/96	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	1.60	5/17/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	60.00	5/17/96	100.000	0.00	2200.		0.00E+00
Copper (dis)	130.00	5/17/96	20.000	110.00	1500.		7.33E-02
Cyanide (total)	*ND*	5/17/96	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	10.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	5/17/96	0.200	0.00	11.		0.00E+00
Nickel (dis)	270.00	5/17/96	40.000	230.00	730.		3.15E-01
Nitrate, Nitrogen	8380.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	20.00	5/17/96	2.000	18.00	180.		1.00E-01
Silver (dis)	*ND*	5/17/96	10.000	0.00	180.		0.00E+00

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Tin (dis)	ND	5/17/96	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	130.00	5/17/96	50.000	80.00	260.		3.08E-01
Zinc (dis)	730.00	5/17/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	5/17/96	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	5/17/96	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	5/17/96	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	5/17/96	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	5/17/96	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	5/17/96	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	5/17/96	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	5/17/96	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	ND	5/17/96	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	ND	5/17/96	10.000	0.00	0.12	0.00E+00	
Benzene	ND	5/17/96	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	5/17/96	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	5/17/96	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	5/17/96	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	5/17/96	5.000	0.00	0.15	0.00E+00	
Heptachlor	ND	5/17/96	0.500	0.00	0.002	0.00E+00	
Hexachlorobutadiene	ND	5/17/96	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	5/17/96	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	5/17/96	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	5/17/96	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	5/17/96	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	5/17/96	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	5/17/96	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	5/17/96	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	5/17/96	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	5/17/96	5.000	0.00	190.		0.00E+00
1,2-Dichlorobenzene	ND	5/17/96	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	ND	5/17/96	5.000	0.00	540.		0.00E+00
4-Nitrophenol	ND	5/17/96	500.000	0.00	2300.		0.00E+00
Acetone	ND	5/17/96	10.000	0.00	3700.		0.00E+00
Acrolein	ND	5/17/96	100.000	0.00	730.		0.00E+00
Benzoic Acid	ND	5/17/96	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	5/17/96	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	5/17/96	10.000	0.00	180.		0.00E+00

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Carbon Disulfide	*ND*	5/17/96	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	5/17/96	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	5/17/96	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	5/17/96	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	5/17/96	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	5/17/96	100.000	0.00	370000.		0.00E+00
Ethyl methacrylate	*ND*	5/17/96	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	5/17/96	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	5/17/96	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	5/17/96	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	5/17/96	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	5/17/96	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	5/17/96	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	5/17/96	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	5/17/96	10.000	0.00	37000.		0.00E+00
Totals:						**6.67E-05**	**1.17E+00**

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Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G118A							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	50.00	11/20/96	900.000	0.00	1000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	50.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	0.40	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	11/20/96	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12200.00	11/20/96	11,740.000	460.00	58000.		7.93E-03
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	*ND*	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/29/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**7.93E-03**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G118R							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	ND	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	ND	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	ND	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	ND	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	1280.00	11/20/96	900.000	380.00	1000.		3.80E-01
Antimony (dis)	2.00	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	180.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	ND	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	ND	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	ND	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	ND	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	17.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	ND	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	4210.00	3/29/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	ND	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	ND	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	ND	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	ND	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	*ND*	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	12.00	3/29/95	10.000	2.00	3700.		5.41E-04
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**3.81E-01**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G119							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	80.00	3/29/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	20.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	90.00	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	60.00	3/29/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	*ND*	3/29/95	72.000	0.00	4.8	0.00E+00	

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Bromodichloromethane	ND	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	ND	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	ND	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	ND	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	11.00	3/29/95	10.000	1.00	3700.		2.70E-04
Benzoic Acid	ND	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	ND	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	ND	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	ND	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	ND	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	ND	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	ND	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	ND	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	ND	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**2.70E-04**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G119A							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	3.00	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	30.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	0.40	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	6560.00	3/29/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	17.00	3/29/95	72.000	0.00	4.8	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	13.00	3/29/95	10.000	3.00	3700.		8.11E-04
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						0.00E+00	8.11E-04

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G130							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	90.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12900.00	3/29/95	11,740.000	1,160.00	58000.		2.00E-02
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	6.00	3/29/95	72.000	0.00	4.8	0.00E+00	

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/29/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						0.00E+00	2.00E-02

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G130A							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	ND	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	ND	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	ND	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	ND	3/29/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	ND	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	140.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	ND	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	0.30	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	ND	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	ND	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	ND	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	ND	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12600.00	3/29/95	11,740.000	860.00	58000.		1.48E-02
Selenium (dis)	ND	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	ND	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	ND	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	ND	3/29/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	7.00	3/29/95	72.000	0.00	4.8	0.00E+00	

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	10.00	3/29/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						0.00E+00	1.48E-02

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G132							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	3/28/95	0.500	0.00	0.004	0.00E+00	
Atrazine	*ND*	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	*ND*	3/28/95	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	3/28/95	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	3/28/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	*ND*	3/28/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	3/28/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	*ND*	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	*ND*	3/28/95	0.120	0.00	220.		0.00E+00
Endrin	*ND*	3/28/95	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	3/28/95	1.200	0.00	180.		0.00E+00
Parathion	*ND*	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	59000.00	11/20/96	900.000	58,100.00	1000.		5.81E+01
Antimony (dis)	*ND*	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	60.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	280.00	11/20/96	98.000	182.00	3300.		5.52E-02
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	96.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	1400.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/28/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	6280.00	3/28/95	11,740.000	0.00	58000.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	ND	3/28/95	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	10.00	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	7.00	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0 019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	12.00	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	ND	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	ND	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/28/95	10.000	0.00	3700.		0.00E+00
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	12.00	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**0.00E+00**	**5.82E+01**

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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G33D							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	100.00	11/20/96	900.000	0.00	1000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	80.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	20.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12600.00	11/20/96	11,740.000	860.00	58000.		1.48E-02
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

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Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	6.00	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	11.00	3/29/95	10.000	1.00	3700.		2.70E-04
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**1.51E-02**

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G33S							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	1050.00	3/29/95	66,600.000	0.00	37000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	80.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	1060.00	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	60.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	9070.00	3/29/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	*ND*	3/29/95	72.000	0.00	4.8	0.00E+00	

Notes.
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All units in µg/L.

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Bromodichloromethane	ND	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	ND	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	ND	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	ND	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	11.00	3/29/95	10.000	1.00	3700.		2.70E-04
Benzoic Acid	ND	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	ND	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	ND	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	ND	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	ND	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	ND	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	ND	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	ND	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	ND	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						0.00E+00	2.70E-04

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G34D							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/30/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	2.70	11/20/96	2.000	0.70	0.045(c)/11.(n)	1.56E-05	6.36E-02
Carcinogenic							
Beryllium (dis)	*ND*	3/30/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/30/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	100.00	11/20/96	900.000	0.00	1000.		0.00E+00
Antimony (dis)	*ND*	3/30/95	250.000	0.00	15.		0.00E+00
Barium (dis)	50.00	3/30/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/30/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/30/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/30/95	34.000	0.00	730.		0.00E+00
Iron (dis)	190.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	10.00	3/30/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/30/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/30/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	8830.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/30/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/30/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/30/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	25.00	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/30/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/30/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/30/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/30/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/30/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/30/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/30/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/30/95	2.800	0.00	0.36	0.00E+00	

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	*ND*	3/30/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/30/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/30/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/30/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/30/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/30/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/30/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/30/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/30/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/30/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/30/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/30/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/30/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/30/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/30/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/30/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/30/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/30/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/30/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/30/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/30/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/30/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/30/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/30/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/30/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/30/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/30/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/30/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/30/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/30/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/30/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/30/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/30/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/30/95	5.000	0.00	120.		0.00E+00
Totals:						***1.56E-05***	***6.36E-02***

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G34S							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/30/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/30/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/30/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	50.00	3/30/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	24400.00	3/28/95	900.000	23,500.00	1000.		2.35E+01
Antimony (dis)	*ND*	3/30/95	250.000	0.00	15.		0.00E+00
Barium (dis)	250.00	3/30/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/30/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	3/30/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/30/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/30/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/30/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/30/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	10.00	3/30/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/30/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/30/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	1260.00	3/30/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/30/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/30/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/30/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/30/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/30/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/30/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/30/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/30/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/30/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/30/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/30/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/30/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/30/95	2.800	0.00	0.36	0.00E+00	

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All units in µg/L.

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bis(2-Ethylhexyl)phthalate	ND	3/30/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/30/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/30/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/30/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/30/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/30/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/30/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/30/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/30/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/30/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/30/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/30/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/30/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/30/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/30/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	ND	3/30/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	7.00	3/30/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	ND	3/30/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	ND	3/30/95	500.000	0.00	2300.		0.00E+00
Acetone	11.00	3/30/95	10.000	1.00	3700.		2.70E-04
Benzoic Acid	ND	3/30/95	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	3/30/95	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	3/30/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	3/30/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	3/30/95	5.000	0.00	39.		0.00E+00
Chloroethane	ND	3/30/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	7.00	3/30/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	ND	3/30/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	3/30/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	ND	3/30/95	5.000	0.00	1300.		0.00E+00
Naphthalene	ND	3/30/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	3/30/95	100.000	0.00	3.4		0.00E+00
Phenol	ND	3/30/95	100.000	0.00	22000.		0.00E+00
Styrene	ND	3/30/95	10.000	0.00	1600.		0.00E+00
Toluene	ND	3/30/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	3/30/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**2.35E+01**

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Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G35D							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	3/28/95	0.500	0.00	0.004	0.00E+00	
Atrazine	*ND*	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	*ND*	3/28/95	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	3/28/95	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	3/28/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	*ND*	3/28/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	3/28/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	*ND*	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	*ND*	3/28/95	0.120	0.00	220.		0.00E+00
Endrin	*ND*	3/28/95	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	3/28/95	1.200	0.00	180.		0.00E+00
Parathion	*ND*	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	4.00	3/28/95	2.000	2.00	0.045(c)/11.(n)	4.44E-05	1.82E-01
Carcinogenic							
Beryllium (dis)	*ND*	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	70.00	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	121000.00	3/28/95	900.000	120,100.00	1000.		1.20E+02
Antimony (dis)	*ND*	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	560.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	710.00	3/28/95	98.000	612.00	3300.		1.85E-01
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	20.00	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	180.00	3/28/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	320.00	3/28/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	60.00	3/28/95	40.000	20.00	730.		2.74E-02
Nitrate, Nitrogen	5000.00	11/20/96	11,740.000	0.00	58000.		0.00E+00

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Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	ND	3/28/95	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	6.00	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	ND	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	ND	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/28/95	10.000	0.00	3700.		0.00E+00
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**4.44E-05**	**1.20E+02**

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G35S							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	3/28/95	0.500	0.00	0.004	0.00E+00	
Atrazine	*ND*	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	*ND*	3/28/95	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	3/28/95	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	3/28/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	3/28/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	*ND*	3/28/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	3/28/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	*ND*	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	*ND*	3/28/95	0.120	0.00	220.		0.00E+00
Endrin	*ND*	3/28/95	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	3/28/95	1.200	0.00	180.		0.00E+00
Parathion	*ND*	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/28/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	6100.00	3/28/95	900.000	5,200.00	1000.		5.20E+00
Antimony (dis)	2.00	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	240.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	100.00	3/28/95	98.000	2.00	3300.		6.06E-04
Cadmium (dis)	0.20	3/28/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/28/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	70.00	3/28/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/28/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	7090.00	3/28/95	11,740.000	0.00	58000.		0.00E+00

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	3/28/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	ND	3/28/95	3.700	0.00	0.44	0.00E+00	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	6.00	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	ND	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	ND	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00

Notes:
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All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	12.00	3/28/95	10.000	2.00	3700.		5.41E-04
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**0.00E+00**	**5.20E+00**

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G36							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	140.00	11/20/96	900.000	0.00	1000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	160.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	30.00	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	*ND*	11/20/96	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	12700.00	11/20/96	11,740.000	960.00	58000.		1.66E-02
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes.
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bis(2-Ethylhexyl)phthalate	*ND*	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	17.00	3/29/95	10.000	7.00	3700.		1.89E-03
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**1.84E-02**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G37D							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	3/29/95	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	6110.00	3/28/95	900.000	5,210.00	1000.		5.21E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	70.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	3/29/95	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	3/29/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	*ND*	3/29/95	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	280.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	9980.00	3/29/95	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	3/29/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes:
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All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	7.00	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	ND	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	ND	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	ND	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	12.00	3/29/95	10.000	2.00	3700.		5.41E-04
Benzoic Acid	ND	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	ND	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	ND	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	ND	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	ND	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	ND	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	ND	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	ND	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	ND	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**5.21E+00**

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G37S							
Herb/Pest							
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/29/95	100.000	0.00	730.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/29/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/29/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	550.00	11/20/96	900.000	0.00	1000.		0.00E+00
Antimony (dis)	*ND*	3/29/95	250.000	0.00	15.		0.00E+00
Barium (dis)	50.00	3/29/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/29/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/29/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/29/95	34.000	0.00	730.		0.00E+00
Iron (dis)	700.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	250.00	3/29/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	0 20	3/29/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/29/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	6980.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Selenium (dis)	*ND*	3/29/95	2.000	0.00	180.		0.00E+00
Silver (dis)	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	3/29/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	3/29/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,2,2-Tetrachloroethane	*ND*	3/29/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	3/29/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	3/29/95	2.500	0.00	0.044	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	3/29/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	3/29/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	3/29/95	6.000	0.00	0.16	0.00E+00	
1,4-Dichlorobenzene	*ND*	3/29/95	3.700	0.00	0.44	0.00E+00	
Benzene	*ND*	3/29/95	2.800	0.00	0.36	0.00E+00	

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
bis(2-Ethylhexyl)phthalate	11.00	3/29/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	*ND*	3/29/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	3/29/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/29/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	3/29/95	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	3/29/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	*ND*	3/29/95	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	3/29/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	3/29/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	3/29/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	3/29/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	3/29/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	3/29/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	3/29/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	3/29/95	31.000	0.00	810.		0.00E+00
1,2-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/29/95	150.000	0.00	55.		0.00E+00
1,3-Dichlorobenzene	*ND*	3/29/95	5.000	0.00	540.		0.00E+00
4-Nitrophenol	*ND*	3/29/95	500.000	0.00	2300.		0.00E+00
Acetone	*ND*	3/29/95	10.000	0.00	3700.		0.00E+00
Benzoic Acid	*ND*	3/29/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/29/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/29/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/29/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/29/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/29/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/29/95	150.000	0.00	61.		0.00E+00
Diethyl phthalate	*ND*	3/29/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/29/95	100.000	0.00	370000.		0.00E+00
Ethylbenzene	*ND*	3/29/95	5.000	0.00	1300.		0.00E+00
Naphthalene	*ND*	3/29/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/29/95	100.000	0.00	3.4		0.00E+00
Phenol	*ND*	3/29/95	100.000	0.00	22000.		0.00E+00
Styrene	*ND*	3/29/95	10.000	0.00	1600.		0.00E+00
Toluene	*ND*	3/29/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/29/95	5.000	0.00	120.		0.00E+00
Totals:						**0.00E+00**	**0.00E+00**

Notes
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G38							
Inorganic							
Both							
Arsenic (dis)	4.50	11/20/96	2.000	2.50	0.045(c)/11.(n)	5.56E-05	2.27E-01
Non-carcinogenic							
Ammonia, Nitrogen	104000.00	11/20/96	900.000	103,100.00	1000.		1.03E+02
Boron (dis)	400.00	11/20/96	98.000	302.00	3300.		9.15E-02
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Iron (dis)	250.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	690.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	160.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Totals:						**5.56E-05**	**1.03E+02**

Notes:
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G39							
Inorganic							
Both							
Arsenic (dis)	2.30	11/20/96	2.000	0.30	0.045(c)/11 (n)	6.67E-06	2.73E-02
Non-carcinogenic							
Ammonia, Nitrogen	689.99	11/20/96	900.000	0.00	1000.		0.00E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	560.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	*ND*	11/20/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	49.00	11/20/96	236,070.000	0.00	11000.		0.00E+00
Totals:						6.67E-06	2.73E-02

Notes.
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
G40							
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11 (n)	0.00E+00	0.00E+00
Non-carcinogenic							
Ammonia, Nitrogen	7000.00	11/20/96	900.000	6,100.00	1000.		6.10E+00
Boron (dis)	*ND*	11/20/96	98.000	0.00	3300.		0.00E+00
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	650.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	2670.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	*ND*	11/20/96	236,070.000	0.00	11000.		0.00E+00
Totals:						0.00E+00	6.10E+00

Notes
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All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
MW106							
Herb/Pest							
Carcinogenic							
Alachlor	ND	5/17/96	2.000	0.00	0.84	0.00E+00	
Aldrin	ND	5/17/96	0.500	0.00	0.004	0.00E+00	
Atrazine	ND	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	ND	5/17/96	1.200	0.00	0.052	0.00E+00	
DDD	ND	5/17/96	0.250	0.00	0.28	0.00E+00	
DDE	ND	5/17/96	0.250	0.00	0.2	0.00E+00	
DDT	ND	5/17/96	0.250	0.00	0.2	0.00E+00	
Dieldrin	ND	5/17/96	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	ND	5/17/96	0.500	0.00	0.001	0.00E+00	
Toxaphene	ND	5/17/96	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	ND	5/17/96	100.000	0.00	730.		0.00E+00
Aldicarb	ND	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	ND	5/17/96	0.120	0.00	220.		0.00E+00
Endrin	ND	5/17/96	0.250	0.00	11.		0.00E+00
Methoxychlor	ND	5/17/96	1.200	0.00	180.		0.00E+00
Parathion	ND	5/17/96	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	13.00	5/17/96	2.000	11.00	0.045(c)/11.(n)	2.44E-04	1.00E+00
Carcinogenic							
Beryllium (dis)	ND	5/17/96	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	ND	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	208000.00	3/28/95	900.000	207,100.00	1000.		2.07E+02
Antimony (dis)	10.00	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	770.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	1330.00	3/28/95	98.000	1,232.00	3300.		3.73E-01
Cadmium (dis)	0.40	3/28/95	5.000	0.00	18.		0.00E+00
Cobalt (dis)	20.00	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	ND	5/17/96	20.000	0.00	1500.		0.00E+00
Cyanide (total)	ND	5/17/96	34.000	0.00	730.		0.00E+00
Iron (dis)	2700.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	340.00	3/28/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	ND	5/17/96	0.200	0.00	11.		0.00E+00
Nickel (dis)	160.00	3/28/95	40.000	120.00	730.		1.64E-01
Nitrate, Nitrogen	320.00	11/20/96	11,740.000	0.00	58000.		0.00E+00

Notes
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L.

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	20.00	5/17/96	2.000	18.00	180.		1.00E-01
Silver (dis)	10.00	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	*ND*	5/17/96	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	*ND*	5/17/96	50.000	0.00	260.		0.00E+00
Zinc (dis)	3600.00	3/28/95	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	*ND*	5/17/96	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	*ND*	5/17/96	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	*ND*	5/17/96	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	*ND*	5/17/96	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	*ND*	5/17/96	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	*ND*	5/17/96	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	*ND*	5/17/96	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	*ND*	5/17/96	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	*ND*	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	6.00	3/28/95	3.700	2.30	0.44	5.23E-06	
Acrylonitrile	*ND*	5/17/96	10.000	0.00	0.12	0.00E+00	
Benzene	*ND*	5/17/96	2.800	0.00	0.36	0.00E+00	
bis(2-ethylhexyl)phthalate	100.00	3/28/95	72.000	28.00	4.8	5.83E-06	
Bromodichloromethane	*ND*	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	*ND*	5/17/96	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	*ND*	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	*ND*	5/17/96	5.000	0.00	0.13	0.00E+00	
Chloroform	*ND*	5/17/96	5.000	0.00	0.15	0.00E+00	
Heptachlor	*ND*	5/17/96	0.500	0.00	0.002	0.00E+00	
Hexachlorobutadiene	*ND*	5/17/96	100.000	0.00	0.14	0.00E+00	
Isophorone	*ND*	5/17/96	100.000	0.00	71.	0.00E+00	
Methylene Chloride	*ND*	5/17/96	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	*ND*	5/17/96	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	*ND*	5/17/96	26.000	0.00	1.1	0.00E+00	
Trichloroethene	*ND*	5/17/96	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	*ND*	5/17/96	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	*ND*	5/17/96	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	*ND*	5/17/96	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	6.00	3/28/95	5.000	1.00	190.		5.26E-03
1,2,4-Trimethylbenzene	*ND*	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	*ND*	5/17/96	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	*ND*	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	*ND*	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	*ND*	5/17/96	5.000	0.00	540.		0.00E+00
1-Butanol	*ND*	3/28/95	320.000	0.00	3700.		0.00E+00

Notes:
* - Concentrations taken for the period of March 1995 to November 1995
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00
4-Nitrophenol	ND	5/17/96	500.000	0.00	2300.		0.00E+00
Acetone	18.00	3/28/95	10.000	8.00	3700.		2.16E-03
Acrolein	ND	5/17/96	100.000	0.00	730.		0.00E+00
Benzoic Acid	ND	5/17/96	500.000	0.00	150000.		0.00E+00
Bromomethane	ND	5/17/96	10.000	0.00	8.7		0.00E+00
Carbofuran	ND	5/17/96	10.000	0.00	180.		0.00E+00
Carbon Disulfide	ND	5/17/96	5.000	0.00	1000.		0.00E+00
Chlorobenzene	ND	5/17/96	5.000	0.00	39.		0.00E+00
Chloroethane	ND	5/17/96	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	ND	5/17/96	150.000	0.00	61.		0.00E+00
Cumene	ND	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	ND	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	ND	5/17/96	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	ND	5/17/96	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	ND	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	ND	5/17/96	5.000	0.00	3300.		0.00E+00
Ethylbenzene	ND	5/17/96	5.000	0.00	1300.		0.00E+00
m-Xylene	ND	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	ND	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	ND	5/17/96	100.000	0.00	1500.		0.00E+00
Nitrobenzene	ND	5/17/96	100.000	0.00	3.4		0.00E+00
o-Xylene	ND	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	ND	3/28/95	5.000	0.00	520.		0.00E+00
Phenol	ND	5/17/96	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	ND	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	ND	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	ND	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	ND	5/17/96	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	ND	5/17/96	5.000	0.00	120.		0.00E+00
Trichlorofluoromethane	ND	5/17/96	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	ND	5/17/96	10.000	0.00	37000.		0.00E+00
Totals:						2.56E-04	2.09E+02

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
P1							
Herb/Pest							
Carcinogenic							
Alachlor	*ND*	3/28/95	2.000	0.00	0.84	0.00E+00	
Aldrin	*ND*	3/30/95	0.500	0.00	0.004	0.00E+00	
Atrazine	*ND*	3/28/95	3.000	0.00	0.3	0.00E+00	
Chlordane	*ND*	3/30/95	1.200	0.00	0.052	0.00E+00	
DDD	*ND*	3/30/95	0.250	0.00	0.28	0.00E+00	
DDE	*ND*	3/30/95	0.250	0.00	0.2	0.00E+00	
DDT	*ND*	3/30/95	0.250	0.00	0.2	0.00E+00	
Dieldrin	*ND*	3/30/95	0.250	0.00	0.004	0.00E+00	
Heptachlor Epoxide	*ND*	3/30/95	0.500	0.00	0.001	0.00E+00	
Toxaphene	*ND*	3/30/95	2.500	0.00	0.061	0.00E+00	
Non-carcinogenic							
2,4-Dimethylphenol	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Aldicarb	*ND*	3/28/95	1.000	0.00	37.		0.00E+00
Endosulfan I	*ND*	3/30/95	0.120	0.00	220.		0.00E+00
Endrin	*ND*	3/30/95	0.250	0.00	11.		0.00E+00
Methoxychlor	*ND*	3/30/95	1.200	0.00	180.		0.00E+00
Parathion	*ND*	3/28/95	1.000	0.00	220.		0.00E+00
Inorganic							
Both							
Arsenic (dis)	23.00	11/20/96	2.000	21.00	0.045(c)/11 (n)	4.67E-04	1.91E+00
Carcinogenic							
Beryllium (dis)	*ND*	3/28/95	5.000	0.00	0.016	0.00E+00	
Non-carcinogenic							
Aluminum	*ND*	3/28/95	66,600.000	0.00	37000.		0.00E+00
Ammonia, Nitrogen	166000.00	11/20/96	900.000	165,100.00	1000.		1.65E+02
Antimony (dis)	3.00	3/28/95	250.000	0.00	15.		0.00E+00
Barium (dis)	340.00	3/28/95	33,140.000	0.00	2600.		0.00E+00
Boron (dis)	930.00	11/20/96	98.000	832.00	3300.		2.52E-01
Cadmium (dis)	*ND*	11/20/96	5.000	0.00	18.		0.00E+00
Cobalt (dis)	*ND*	3/28/95	100.000	0.00	2200.		0.00E+00
Copper (dis)	*ND*	3/28/95	20.000	0.00	1500.		0.00E+00
Cyanide (total)	*ND*	3/28/95	34.000	0.00	730.		0.00E+00
Iron (dis)	3900.00	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	60.00	3/28/95	1,480.000	0.00	840.		0.00E+00
Mercury (dis)	*ND*	3/28/95	0.200	0.00	11.		0.00E+00
Nickel (dis)	*ND*	3/28/95	40.000	0.00	730.		0.00E+00
Nitrate, Nitrogen	170.00	3/28/95	11,740.000	0.00	58000.		0.00E+00

Notes
* - Concentrations taken for the period of March 1995 to November 1996
All units in ug/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
Selenium (dis)	ND	3/28/95	2.000	0.00	180.		0.00E+00
Silver (dis)	ND	3/28/95	10.000	0.00	180.		0.00E+00
Tin (dis)	ND	3/28/95	200.000	0.00	22000.		0.00E+00
Vanadium (dis)	ND	3/28/95	50.000	0.00	260.		0.00E+00
Zinc (dis)	ND	11/20/96	236,070.000	0.00	11000.		0.00E+00
Organic							
Carcinogenic							
1,1,1,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.41	0.00E+00	
1,1,2,2-Tetrachloroethane	ND	3/28/95	5.000	0.00	0.052	0.00E+00	
1,1,2-Trichloroethane	ND	3/28/95	5.000	0.00	0.19	0.00E+00	
1,1-Dichloroethene	ND	3/28/95	2.500	0.00	0.044	0.00E+00	
1,2,3-Trichloropropane	ND	3/28/95	5.000	0.00	0.002	0.00E+00	
1,2-Dibromo-3-chloropropane	ND	3/28/95	5.000	0.00	0.048	0.00E+00	
1,2-Dichloroethane	ND	3/28/95	2.500	0.00	0.12	0.00E+00	
1,2-Dichloropropane	ND	3/28/95	6.000	0.00	0.16	0.00E+00	
1,3-Dichloropropene (total)	ND	3/28/95	5.000	0.00	0.077	0.00E+00	
1,4-Dichlorobenzene	6.00	3/28/95	3.700	2.30	0.44	5.23E-06	
Acrylonitrile	ND	3/28/95	10.000	0.00	0.12	0.00E+00	
Benzene	ND	3/28/95	2.800	0.00	0.36	0.00E+00	
bis(2-Ethylhexyl)phthalate	ND	3/28/95	72.000	0.00	4.8	0.00E+00	
Bromodichloromethane	ND	3/28/95	5.000	0.00	0.17	0.00E+00	
Bromoform	ND	3/28/95	5.000	0.00	2.4	0.00E+00	
Carbon Tetrachloride	ND	3/28/95	5.000	0.00	0.16	0.00E+00	
Chlorodibromomethane	ND	3/28/95	5.000	0.00	0.13	0.00E+00	
Chloroform	ND	3/28/95	5.000	0.00	0.15	0.00E+00	
Hexachlorobutadiene	ND	3/28/95	100.000	0.00	0.14	0.00E+00	
Isophorone	ND	3/28/95	100.000	0.00	71.	0.00E+00	
Methylene Chloride	ND	3/28/95	8.000	0.00	4.1	0.00E+00	
Pentachlorophenol	ND	3/28/95	500.000	0.00	0.56	0.00E+00	
Tetrachloroethene	ND	3/28/95	26.000	0.00	1.1	0.00E+00	
Trichloroethene	ND	3/28/95	66.000	0.00	1.6	0.00E+00	
Vinyl Chloride	ND	3/28/95	17.000	0.00	0.019	0.00E+00	
Non-carcinogenic							
1,1,1-Trichloroethane	ND	3/28/95	12.000	0.00	790.		0.00E+00
1,1-Dichloroethane	ND	3/28/95	31.000	0.00	810.		0.00E+00
1,2,4-Trichlorobenzene	ND	3/28/95	5.000	0.00	190.		0.00E+00
1,2,4-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,2-Dichlorobenzene	ND	3/28/95	5.000	0.00	270.		0.00E+00
1,2-Dichloroethene (total)	ND	3/28/95	150.000	0.00	55.		0.00E+00
1,3,5-Trimethylbenzene	ND	3/28/95	5.000	0.00	300.		0.00E+00
1,3-Dichlorobenzene	ND	3/28/95	5.000	0.00	540.		0.00E+00
1-Butanol	ND	3/28/95	320.000	0.00	3700.		0.00E+00
2-Chloroethyl Vinyl Ether	ND	3/28/95	10.000	0.00	150.		0.00E+00

Notes:
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All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
4-Nitrophenol	*ND*	3/28/95	500.000	0.00	2300.		0.00E+00
Acetone	14.00	3/28/95	10.000	4.00	3700.		1.08E-03
Acrolein	*ND*	3/28/95	100.000	0.00	730.		0.00E+00
Benzoic Acid	*ND*	3/28/95	500.000	0.00	150000.		0.00E+00
Bromomethane	*ND*	3/28/95	10.000	0.00	8.7		0.00E+00
Carbofuran	*ND*	3/28/95	10.000	0.00	180.		0.00E+00
Carbon Disulfide	*ND*	3/28/95	5.000	0.00	1000.		0.00E+00
Chlorobenzene	*ND*	3/28/95	5.000	0.00	39.		0.00E+00
Chloroethane	*ND*	3/28/95	10.000	0.00	8600.		0.00E+00
cis-1,2-Dichloroethene	*ND*	3/28/95	150.000	0.00	61.		0.00E+00
Cumene	*ND*	3/28/95	5.000	0.00	1500.		0.00E+00
Dichlorodifluoromethane	*ND*	3/28/95	19.000	0.00	390.		0.00E+00
Diethyl phthalate	*ND*	3/28/95	100.000	0.00	29000.		0.00E+00
Dimethyl phthalate	*ND*	3/28/95	100.000	0.00	370000.		0.00E+00
Ethyl Acetate	*ND*	3/28/95	5.000	0.00	33000.		0.00E+00
Ethyl Methacrylate	*ND*	3/28/95	5.000	0.00	3300.		0.00E+00
Ethylbenzene	34.00	3/28/95	5.000	29.00	1300.		2.23E-02
m-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
Methylene Bromide	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Naphthalene	*ND*	3/28/95	100.000	0.00	1500.		0.00E+00
Nitrobenzene	*ND*	3/28/95	100.000	0.00	3.4		0.00E+00
o-Xylene	*ND*	3/28/95	5.000	0.00	1400.		0.00E+00
p-Xylene	*ND*	3/28/95	5.000	0.00	520		0.00E+00
Phenol	*ND*	3/28/95	100.000	0.00	22000.		0.00E+00
sec-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Styrene	*ND*	3/28/95	10.000	0.00	1600.		0.00E+00
tert-Butylbenzene	*ND*	3/28/95	5.000	0.00	61.		0.00E+00
Toluene	*ND*	3/28/95	20.000	0.00	750.		0.00E+00
trans-1,2-Dichloroethene	*ND*	3/28/95	5.000	0.00	120		0.00E+00
Trichlorofluoromethane	*ND*	3/28/95	5.000	0.00	1300.		0.00E+00
Vinyl Acetate	*ND*	3/28/95	10.000	0.00	37000.		0.00E+00
Totals:						**4.72E-04**	**1.67E+02**

Notes
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
P3R							
Inorganic							
Both							
Arsenic (dis)	12.00	11/21/96	2.000	10.00	0.045(c)/11 (n)	2.22E-04	9.09E-01
Non-carcinogenic							
Ammonia, Nitrogen	39000.00	11/21/96	900.000	38,100.00	1000.		3.81E+01
Boron (dis)	240.00	11/21/96	98.000	142.00	3300.		4.30E-02
Cadmium (dis)	*ND*	11/21/96	5.000	0.00	18.		0.00E+00
Iron (dis)	2900.00	11/21/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	390.00	11/21/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	*ND*	11/21/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	100.00	11/21/96	236,070.000	0.00	11000.		0.00E+00
Totals:						2.22E-04	3.91E+01

Notes:
* : Concentrations taken for the period of March 1995 to November 1996
All units in ug/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard
P4R							
Inorganic							
Both							
Arsenic (dis)	*ND*	11/20/96	2.000	0.00	0.045(c)/11.(n)	0.00E+00	0.00E+00
Non-carcinogenic							
Ammonia, Nitrogen	42000.00	11/20/96	900.000	41,100.00	1000.		4.11E+01
Boron (dis)	290.00	11/20/96	98.000	192.00	3300.		5.82E-02
Cadmium (dis)	1.20	11/20/96	5.000	0.00	18.		0.00E+00
Iron (dis)	*ND*	11/20/96	4,530.000	0.00	11000.		0.00E+00
Manganese (dis)	350.00	11/20/96	1,480.000	0.00	840.		0.00E+00
Nitrate, Nitrogen	3900.00	11/20/96	11,740.000	0.00	58000.		0.00E+00
Zinc (dis)	1900.00	11/20/96	236,070.000	0.00	11000.		0.00E+00
Totals:						0.00E+00	4.12E+01

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L

Compound	Maximum Conc.*	Date	AGQS	Value Above Background	Value for 10^{-6} risk or Hazard Qnt. = 1	Incrmnt. Risk	Incrmnt. Hazard

Notes:
* - Concentrations taken for the period of March 1995 to November 1996
All units in µg/L