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MAR 08 2004

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Mr. Steve Zappe, WIPP Project Leader
Hazardous Waste Permits Program
Hazardous Waste Bureau
New Mexico Environment Department
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Santa Fe, NM 87505-6303

Subject: Transmittal of the WIPP's Semi-Annual Groundwater Monitoring Report,
Round 17, for September 2003 through November 2003

Dear Mr. Zappe:

The purpose of this letter is to submit the Waste Isolation Pilot Plant's (WIPP) Semi-Annual Groundwater Monitoring Report, Round 17, for the months of September 2003 through November 2003. This report is required by Module V.J.2.a of the Hazardous Waste Facility Permit No. NM4890139088-TSDF.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

If you have any questions regarding this data transmittal, please contact Mr. Jody Plum at (505) 234-7462.

Sincerely,

R. Paul Detwiler, Acting Manager
Carlsbad Field Office

S. D. Warren, General Manager
Washington TRU Solutions LLC

Enclosure - 2 (two) 5" binders, Vol 1 + 2

cc: w/o enclosure
S. Martin, NMED
J. Kielling, NMED



WIPP GROUNDWATER DETECTION MONITORING PROGRAM SEMIANNUAL REPORT

Sampling Round 17

September-November 2003

Volume 1

UNITED STATES DEPARTMENT OF ENERGY

**WASTE ISOLATION PILOT PLANT
CARLSBAD, NEW MEXICO**

**WIPP HAZARDOUS WASTE FACILITY PERMIT
NEW MEXICO ENVIRONMENT DEPARTMENT
PERMIT NUMBER NM4890139088-TSDF**

**WIPP GROUNDWATER DETECTION MONITORING PROGRAM
SEMIANNUAL GROUNDWATER MONITORING REPORT
SUBMITTED TO THE NEW MEXICO ENVIRONMENT
DEPARTMENT, SAMPLING ROUND 17
SEPTEMBER THROUGH NOVEMBER 2003**

MARCH 2004

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List of Abbreviations/Acronyms/units

CLP	Contract Laboratory Program
cm	centimeter(s)
%D	percent difference
DMP	Detection Monitoring Program
EPA	U.S. Environmental Protection Agency
HWFP	Hazardous Waste Facility Permit
ICS	interference check sample
L	liter(s)
µg	microgram(s)
µmhos	micromhos
mg	milligram(s)
MS	matrix spike
NMED	New Mexico Environment Department
QC	quality control
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RRF	relative response factor(s)
SVOC	semivolatile organic compound
TDS	total dissolved solids
TOX	total organic halogens
UTLV	upper tolerance limit value
VOC	volatile organic compound
WIPP	Waste Isolation Pilot Plant

Executive Summary

The Waste Isolation Pilot Plant (WIPP) collects groundwater quality data semiannually in accordance with the Hazardous Waste Facility Permit (HWFP) issued by the New Mexico Environment Department. As prescribed by the HWFP, six monitoring wells completed in the Culebra Dolomite Member of the Rustler Formation and one well completed in the Dewey Lake Formation are sampled as part of the Detection Monitoring Program. This report presents the results of the Round 17 sampling event conducted between September and November 2003. The HWFP requires the analysis of 55 chemical parameters. During Round 17, the WIPP performed laboratory analyses of all required chemical parameters.

These seven wells had each been sampled 16 times prior to this sampling round. The first ten sample rounds (all conducted prior to receiving mixed waste) were used to develop the baseline for groundwater chemistry at each sampling location. The baseline sample set is used to determine whether statistically significant changes in groundwater chemistry have occurred at any well. The data in this report are presented in both table and graphical formats to clearly show the Round 17 results with respect to the established baseline.

The baseline was established incorporating data from three different laboratories and various sample dilution ratios. The ranges in chemical parameter concentration exhibited in the baseline have resulted from past difficulties in analyzing WIPP area brine groundwater. In the past, contract laboratories have had considerable difficulty in analyzing WIPP brines resulting in highly variable sample dilutions and associated parameter detection limits.

Round 17 groundwater-sample analytical results indicated no evidence of groundwater contamination resulting from the management of hazardous waste and were within the acceptable concentration ranges established by the baseline. Examination of time-trend plots for all analytical parameters revealed no changes in overall groundwater chemistry or the development of concentration trends. All laboratory analytical results were validated and verified in accordance with WIPP procedures and U.S. Environmental Protection Agency technical guidance.

1.0 Introduction

The Waste Isolation Pilot Plant (WIPP) collects groundwater quality samples semiannually in accordance with the Hazardous Waste Facility Permit (HWFP) issued by the New Mexico Environment Department (NMED) on October 27, 1999. This report documents groundwater quality observed during sampling conducted from September through November, 2003 (Sampling Round 17) and compares the data to the baseline water quality.

The Detection Monitoring Program (DMP) prescribed by the HWFP requires sampling of six monitoring wells (WQSP-1 through WQSP-6) completed in the Culebra Dolomite Member of the Permian Rustler Formation (Culebra) and one well (WQSP-6A) completed in the Permian Dewey Lake Formation (Dewey Lake). Figure 1 shows the locations of the monitoring wells. Water level measurements taken in the DMP and other monitoring wells surrounding the WIPP show that the groundwater flow direction in the Culebra is generally from north to south.

The DMP baseline includes data from the first ten sampling rounds. These sampling events provided groundwater quality data for the Culebra and Dewey Lake prior to the first receipt of mixed waste at the WIPP (September 9, 2000). The previous data are representative of the natural, undisturbed background water quality around the WIPP facility. The data collected during Round 17 were compared to parameter concentration ranges in the baseline. All of the required analytical parameters were evaluated to determine whether measurable or statistically significant changes in water quality have, or are, occurring as compared to the baseline sample rounds. The analytical results for Round 17 indicate no evidence of groundwater contamination. Overall, the results were within the established background concentration ranges.

2.0 Background Water Quality Analyses

Sampling of the DMP wells began in August 1995. The WIPP completed five rounds of background sampling in September 1997. However, hazardous waste was not received by the WIPP until September 2000. Therefore, five additional rounds of background samples were collected. The WIPP performed a groundwater quality baseline analysis for each of the seven monitoring wells using data from these ten initial sampling rounds.

The WIPP groundwater baseline is presented in the document "Waste Isolation Pilot Plant RCRA [Resource Conservation and Recovery Act] Background Groundwater Quality Baseline Report" (Crawley and Nagy, April 1998), supplemented in November 2000 (Crawley and Nagy, November 2000). Baseline water quality is established for each individual well because

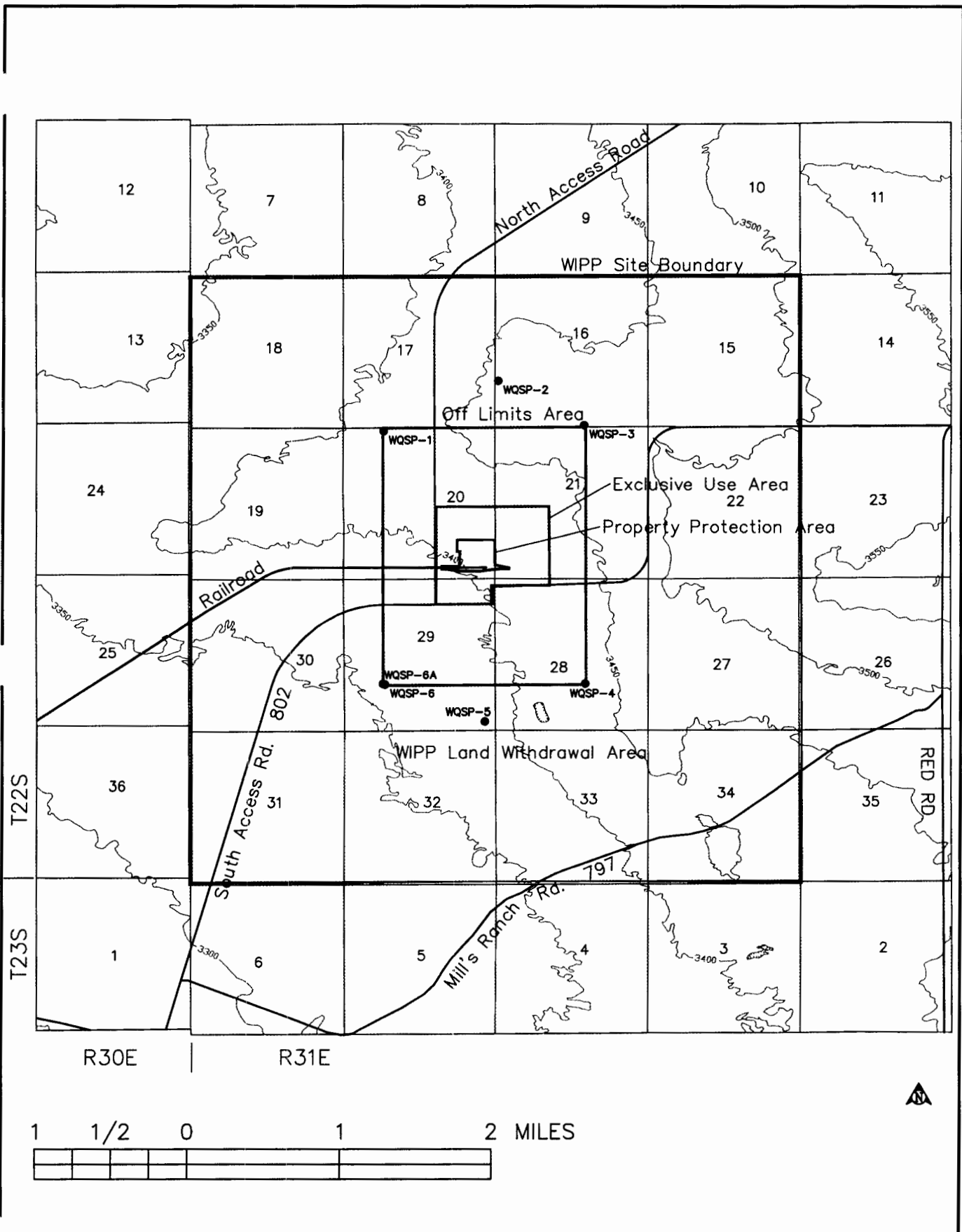


Figure 1
WIPP Detection Monitor Well Locations

the Culebra water chemistry is highly variable across the WIPP area, making comparisons among wells meaningless.

For establishing the water-quality baseline, a 95th upper tolerance limit value (UTLV) or 95th percentile confidence interval, based upon the distribution type, was determined from those data sets having concentrations above method detection limits. These statistical parameters were established to allow for comparisons of detection monitoring data. For the parameters that exhibited other than nonparametric distributions, box-whisker plots were prepared that showed concentration maximums, minimums, 75- and 25-percent concentration values, median, and time-trend plots of each actual parameter value.

A UTLV is provided for normal or lognormal distributions, and a 95th percentile is provided for data sets that are nonparametric or have greater than 16 percent nondetections. The UTLV is defined as:

$$UTLV = \bar{X} + (K \cdot S)$$

where

UTLV	= Upper tolerance limit value
\bar{X}	= Arithmetic mean of the data set
K	= One-sided normal tolerance factor
S	= Standard deviation of the data set

The UTLV establishes a concentration range that contains a specified proportion of the population with a specified confidence. The proportion of the population included is referred to as the coverage, and the probability with which the tolerance interval included the proportion is referred to as the tolerance coefficient. The one-sided normal tolerance factor (K) in the above equation is a function of the desired percent coverage, the desired tolerance coefficient, and the number of samples. The U.S. Environmental Protection Agency (EPA)'s recommended coverage value of 95 percent and tolerance coefficient value of 95 percent (EPA, February 1989) were used to calculate the baseline UTLVs. For lognormal data sets, the calculations were performed on the log-transformed data, and the antilog of the UTLV calculated using the above procedure. The percentile of a distribution of values is a number X_p , such that a percentage p of the population values are less than or equal to X_p . For example, the 95th percentile of a variable is a value (X_p), such that 95 percent of the values of the variable fall below this value. This 95th UTLV or 95th percentile implies that 5 percent, or 1 in 20, of the values from subsequent

sampling rounds would be expected to be above the 95th UTLV or 95th percentile and do not necessarily represent contamination.

For those parameters with either the majority of or all the results below detection limits, the 95th percentile confidence interval was defined as the highest reported detection limit found during the ten background sampling rounds. Previous analyses have shown that Culebra groundwater across the area contains total dissolved solids (TDS) concentrations that range from approximately 12,000 to around 280,000 milligrams per liter (mg/L). These high and variable TDS concentrations require sample dilution prior to analysis. The dilution factors vary between rounds and from well to well and result in method detection limits that often are not consistent between rounds and that are occasionally high when compared to the detection limits for the same parameter used in different sampling rounds.

3.0 Round 17 Groundwater Analyses

In accordance with requirements in the WIPP HWFP, Module V and Attachment L, the permittee samples the seven detection-monitoring wells on a semiannual basis for the following chemical parameters:

pH	Total Organic Carbon	Iron (total)
Density	Magnesium	TDS
Chloroform	Carbon Tetrachloride	Chloride
Methylene Chloride	Toluene	1,1-Dichloroethylene
1,2-Dichlorobenzene	2,4-Dinitrophenol	Cresols
Isobutanol	Pyridine	Hexachloroethane
Trichlorofluoromethane	Nitrobenzene	1,1,2-Trichloroethane
Cadmium	Lead	Arsenic
Total Organic Halogens (TOX)	Total Suspended Solids	Specific Conductance
Potassium	Vanadium	Calcium
Chlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane
1,1,1-Trichloroethane	1,4-Dichlorobenzene	1,1,2,2-Tetrachloroethane
2,4-Dinitrotoluene	Hexachlorobenzene	Cis-1,2-Dichloroethene
Pentachlorophenol	Tetrachloroethylene	Methyl Ethyl Ketone
Xylenes	Vinyl Chloride	Trichloroethylene
Chromium	Mercury	Barium
Antimony	Nickel	Selenium
Beryllium	Thallium	Silver
		Trans-1,2-Dichloroethene

Round 17 samples were analyzed for these as well as other groundwater characterization parameters in accordance with permit requirements. As of August 31, 2001, the WIPP added trans-1,2-dichloroethene to the parameter list. Rounds 13 through 17 have established the background for this parameter (all results were nondetections). The chemical name of an organic compound (i.e., volatile and semivolatile) may vary from laboratory to laboratory because of the use of chemical synonyms. Chemical synonym names used by the current analytical laboratory, TraceAnalysis, Inc., that deviate from the listed organic compounds can be found in Table 1.

The analytical results from Round 17 are presented in this report as both narrative discussion and individual charts and graphs for each well. The individual well appendices are separated into subsections for inorganic chemistry and organic analyses. Each well appendix contains a laboratory-generated table showing actual analytical results, tables of laboratory quality assurance analyses, a narrative describing the analyses performed, sample collection and analyses dates, summary narrative of laboratory problems encountered and associated corrective actions, laboratory sign-off sheet, and laboratory analyses header information. The subsections for inorganic chemistry also include graphical results of statistical evaluations, time-trend charts, box-whisker plots for parameters with normal or log normal distributions, tables showing the results of outlier tests, and the comparison of Round 17 results to historical background data. Any analytical results greater than the 95th UTLV or 95th percentile are identified and discussed in the following sections. The overall basic analytical results are summarized in the following sections with respect to the general type of chemical constituent.

3.1 Volatile and Semivolatile Organic Compounds

All of the Round 17 analytical results for man-made organic compounds were reported as below detection limits. All volatile organic compounds (VOC), except methylene chloride and methyl ethyl ketone (2-Butanone), were below the detection limit of 1.0 microgram (μg)/L. Methylene chloride and methyl ethyl ketone were below the detection limit of 0.5 μg /L. All semivolatile organic compounds (SVOC) were found to be below the detection limit of 20.0 μg /L. Because of scheduling issues at the contract laboratory performed on a different instrument, with a higher detection limit, used to analyze the WIPP samples. 2,4-Dinitrophenol was not detected in the samples from

Why was MDL \uparrow 5 $\mu\text{g}/\text{L}$?
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MEK?

Table 1
VOC and SVOC Detection Limits

Compound ^a	Detection Limit (µg/L)
VOCs	
Isobutanol (Isobutyl Alcohol)	5.00
Carbon tetrachloride	1.00
Chlorobenzene	1.00
Chloroform	1.00
1,1-Dichloroethane	1.00
1,2-Dichloroethane	1.00
1,1-Dichloroethylene (1,1-Dichloroethene)	1.00
Cis-1,2-Dichloroethene (1,2-Dichloroethylene)	1.00
Trans-1,2-Dichloroethene (1,2-Dichloroethylene)	1.00
Methyl ethyl ketone (2-Butanone)	5.00
Methylene chloride	5.00
1,1,2,2-Tetrachloroethane	1.00
Tetrachloroethylene (Tetrachloroethene)	1.00
1,1,1-Trichloroethane	1.00
1,1,2-Trichloroethane	1.00
Toluene	1.00
Trichloroethylene (Trichloroethene)	1.00
Trichlorofluoromethane	1.00
Vinyl chloride	1.00
Xylenes (m, o, & p-Xylene)	1.00
SVOCs	
1,2-Dichlorobenzene	5.00
1,4-Dichlorobenzene	5.00
2,4-Dinitrophenol ^b	5.00
2,4-Dinitrotoluene	5.00
Hexachlorobenzene	5.00
Hexachloroethane	5.00
2-Methylphenol	5.00
3-Methylphenol	5.00
4-Methylphenol	5.00
Nitrobenzene	5.00
Pentachlorophenol	5.00
Pyridine	5.00

^aChemical synonyms used by the current analytical laboratory, TraceAnalysis, Inc., are noted in parentheses.

^bDetection limit for 2,4-dinitrophenol in samples from WQSP-3 and WQSP-4 was 20.0 µg/L.

µg/L = Microgram(s) per liter.

SVOC = Semivolatile organic compound.

VOC = Volatile organic compound.

WQSP-3. The VOCs and SVOCs included in the Round 17 analyses, as well as corresponding detection limits, are shown in Table 1.

3.2 General Chemical Parameters and Major Cations and Anions

The chemical constituents comprising the general chemistry and major cations and anions are listed in Table 2. Table 3 summarizes the analytical results for the general chemistry parameters, trace metals, major cations and anions, the appropriate distribution types, and the baseline 95th UTLV or 95th percentile for each parameter.

Table 2
General Chemistry Parameters and Major Cations and Anions

Density	Total Organic Halogens
pH	Magnesium
Conductivity	Total Suspended Solids
Isobutanol	Sulfate
Sodium	Alkalinity
Total Dissolved Solids	Total Organic Carbon
Chloride	Calcium
Nitrate	Potassium

For Round 17, all of the general chemical parameters and major cations and anions were below the 95th UTLV for background except for potassium at WQSP-1, TOX at WQSP-6, and TOX at WQSP-6A.

Analytical results greater (or less) than the 95th UTLV (or 95th UTLV range) or 95th percentile (based upon the distribution type) were tested for statistical significance as potential outliers using the T_n outlier test prescribed by the EPA. Tested potassium sample and duplicate analysis results in WQSP-1 passed the T_n outlier test, and the values reported are probably realistic members of the expected population. Tested TOX sample and duplicate sample analysis results in WQSP-6 passed the T_n outlier test, and the values reported are also likely members of the expected population. Tested TOX sample and duplicate sample analysis results in WQSP-6A failed the T_n outlier test, and values reported are likely true outliers. Chapter 5.0 discusses the outlier tests in greater detail.

Table 3
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
WQSP-1 Culebra				
WQSP-1 General Chemistry				
Density	1.04	1.04	Normal	1.07
pH (su)	7.10	7.10	Lognormal	5.6–8.8
Specific Conductance (µmhos/cm)	83,000	83,400	Lognormal	175,000
Total Dissolved Solids	66,500	66,700	Lognormal	80,700
Total Organic Carbon ^b	ND (1.00)	ND (1.00)	Nonparametric	< 5.0
Total Organic Halogens	3.90	3.10	Nonparametric	14.6
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	33.3
WQSP-1 Trace Metals				
Antimony	ND (0.25)	ND (0.25)	Nonparametric	0.330
Arsenic	ND (0.10)	ND (0.10)	Nonparametric	< 0.1
Barium	ND (0.10)	ND (0.10)	Nonparametric	< 1.0
Beryllium	ND (0.01)	ND (0.01)	Nonparametric	< 0.02
Cadmium	ND (0.01)	ND (0.01)	Nonparametric	< 0.2
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Vanadium	ND (0.05)	ND (0.05)	Nonparametric	<0.10
Lead	ND (0.05)	ND (0.05)	Nonparametric	0.105
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	0.490
Selenium	ND (0.025)	ND (0.025)	Nonparametric	0.150
Silver	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Thallium	ND (0.025)	ND (0.025)	Nonparametric	0.980
WQSP-1 Major Cations				
Calcium	1,680	1,650	Normal	2,087
Magnesium	1,080	1,040	Normal	1,247
Potassium	825	850	Lognormal	799
Sodium	17,800	17,800	Lognormal	22,090
WQSP-1 Major Anions				
Alkalinity	48.0	48.0	Lognormal	55.8
Chloride	35,000	34,200	Normal	40,472
Nitrogen, NO3 (As N)	ND (0.100)	ND (0.100)	Nonparametric	< 10.0
Sulfate	4,440	4,660	Normal	5,757
WQSP-2 Culebra				
WQSP-2 General Chemistry				
Density	1.04	1.04	Lognormal	1.06
pH (su)	7.2	7.2	Normal	7.0–7.6
Specific Conductance (µmhos/cm)	80,800	80,900	Lognormal	124,000
Total Dissolved Solids	64,700	65,100	Normal	80,500
Total Organic Carbon	2.11	1.50	Nonparametric	7.97

Refer to footnotes at end of table.

Table 3 (Continued)
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
Total Organic Halogens	5.40	4.60	Lognormal	63
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	43.0
WQSP-2 Trace Metals				
Antimony	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Arsenic	ND (0.05)	ND (0.05)	Nonparametric	0.062
Barium	ND (0.05)	ND (0.05)	Nonparametric	< 1.0
Beryllium	ND (0.01)	ND (0.01)	Nonparametric	< 1.0
Cadmium	ND (0.01)	ND (0.01)	Nonparametric	< 0.5
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Vanadium	ND (0.05)	ND (0.05)	Nonparametric	<0.10
Lead	0.233	0.261	Nonparametric	0.163
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	0.490
Selenium	0.116	0.118	Nonparametric	0.150
Silver	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Thallium	0.0910	ND (0.025)	Nonparametric	0.980
WQSP-2 Major Cations				
Calcium	1,460	1,440	Lognormal	1,827
Magnesium	970	965	Normal	1,244
Potassium	755	795	Lognormal	845
Sodium	17,600	16,900	Normal	21,900
WQSP-2 Major Anions				
Alkalinity	48.0	50.0	Normal	70.3
Chloride	34,300	33,100	Normal	39,670
Nitrogen, NO ₃ (As N)	ND (0.10)	ND (0.10)	Nonparametric	< 10.0
Sulfate	5,710	5,510	Normal	6,590
WQSP-3 Culebra				
WQSP-3 General Chemistry				
Density	1.13	1.14	Normal	1.17
pH (su)	7.00	7.00	Lognormal	6.6–7.2
Specific Conductance (µmhos/cm)	169,000	196,000	Normal	517,000
Total Dissolved Solids	232,000	227,500	Lognormal	261,000
Total Organic Carbon ^b	ND (1.0)	ND (1.0)	Nonparametric	< 5.0
Total Organic Halogens	5.6	4.3	Nonparametric	55.0
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	107.0
WQSP-3 Trace Metals				
Antimony	ND (0.25)	ND (0.25)	Nonparametric	< 1.0
Arsenic	ND (0.1)	ND (0.1)	Nonparametric	0.207
Barium	ND (0.1)	ND (0.1)	Nonparametric	< 1.0
Beryllium	ND (0.010)	ND (0.010)	Nonparametric	< 0.1
Cadmium	ND (0.010)	ND (0.010)	Nonparametric	< 0.5

Refer to footnotes at end of table.

Table 3 (Continued)
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 2.0
Vanadium	ND (0.050)	ND (0.05)	Nonparametric	< 5.0
Lead	ND (0.05)	ND (0.05)	Nonparametric	0.800
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	< 5.0
Selenium	0.140	0.134	Nonparametric	< 2.0
Silver	ND (0.025)	ND (0.025)	Nonparametric	0.310
Thallium	0.271	0.158	Nonparametric	5.800
WQSP-3 Major Cations				
Calcium	1,280	1,300	Normal	1,680
Magnesium	2,070	1,960	Lognormal	2,625
Potassium	1,900	1,920	Lognormal	3,438
Sodium	67,000	67,800	Nonparametric	140,400
WQSP-3 Major Anions				
Alkalinity	36.0	34.0	Lognormal	54.5
Chloride	126,000	134,000	Lognormal	149,100
Nitrogen, NO ₃ (As N)	ND (0.100)	ND (0.100)	Nonparametric	< 12.0
Sulfate	7,670	7,660	Normal	8,015
WQSP-4 Culebra				
WQSP-4 General Chemistry				
Density	1.07	1.07	Lognormal	1.10
pH (su)	7.20	7.20	Lognormal	6.8–7.6
Specific Conductance (µmhos/cm)	122,000	122,000	Lognormal	319,800
Total Dissolved Solids	107,000	111,000	Normal	123,500
Total Organic Carbon	ND (1.00)	ND (1.00)	Nonparametric	< 5.0
Total Organic Halogens	7.30	5.20	Lognormal	17.0
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	57.0
WQSP-4 Trace Metals				
Antimony	ND (0.25)	ND (0.25)	Nonparametric	0.80
Arsenic	ND (0.1)	ND (0.1)	Nonparametric	< 0.5
Barium	ND (0.1)	ND (0.1)	Nonparametric	1.0
Beryllium	ND (0.010)	ND (0.010)	Nonparametric	0.250
Cadmium	ND (0.010)	ND (0.010)	Nonparametric	< 0.5
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 2.0
Vanadium	ND (0.050)	ND (0.050)	Nonparametric	< 5.0
Lead	ND (0.05)	ND (0.05)	Nonparametric	0.525
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	< 5.0
Selenium	0.230	0.0330	Nonparametric	2.009
Silver	ND (0.025)	ND (0.025)	Nonparametric	0.519
Thallium	ND (0.025)	ND (0.025)	Nonparametric	1.0

Refer to footnotes at end of table.

Table 3 (Continued)
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
WQSP-4 Major Cations				
Calcium	1,550	1,470	Lognormal	1,834
Magnesium	1,150	1,110	Lognormal	1,472
Potassium	1,350	1,270	Lognormal	1,648
Sodium	30,800	30,200	Normal	38,790
WQSP-4 Major Anions				
Alkalinity	40.0	42.0	Normal	47.1
Chloride	49,000	55,000	Normal	63,960
Nitrogen, NO3 (As N)	ND (0.10)	ND (0.10)	Nonparametric	< 10.0
Sulfate	6,120	6,080	Normal	7,927
WQSP-5 Culebra				
WQSP-5 General Chemistry				
Density	1.02	1.02	Normal	1.04
pH (su)	7.7	7.7	Normal	7.4–7.9
Specific Conductance (µmhos/cm)	44,200	44,400	Lognormal	67,700
Total Dissolved Solids	32,600	34,150	Nonparametric	43,950
Total Organic Carbon	1.57	ND (1.00)	Nonparametric	< 5.0
Total Organic Halogens	3.30	4.00	Lognormal	8.37
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	< 10.0
WQSP-5 Trace Metals				
Antimony	ND (0.025)	ND (0.025)	Nonparametric	0.073
Arsenic	ND (0.1)	ND (0.1)	Nonparametric	< 0.5
Barium	ND (0.1)	ND (0.1)	Nonparametric	< 1.0
Beryllium	ND (0.010)	ND (0.010)	Nonparametric	< 0.02
Cadmium	ND (0.010)	ND (0.010)	Nonparametric	< 0.05
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Vanadium	ND (0.050)	ND (0.050)	Nonparametric	2.70
Lead	ND (0.05)	ND (0.05)	Nonparametric	< 0.05
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	< 0.1
Selenium	ND (0.025)	ND (0.025)	Nonparametric	< 0.1
Silver	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Thallium	ND (0.025)	ND (0.025)	Nonparametric	0.209
WQSP-5 Major Cations				
Calcium	1,030	1,010	Lognormal	1,303
Magnesium	449	445	Nonparametric	547
Potassium	411	396	Lognormal	622
Sodium	8,960	8,760	Normal	11,190
WQSP-5 Major Anions				
Alkalinity	44.0	46.0	Lognormal	56.0
Chloride	14,700	14,700	Lognormal	18,100

Refer to footnotes at end of table.

Table 3 (Continued)
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
Nitrogen, NO3 (As N)	ND (0.10)	ND (0.10)	Nonparametric	< 10.0
Sulfate	4,770	4,860	Normal	6,129
WQSP-6 Culebra				
WQSP-6 General Chemistry				
Density	1.01	1.00	Normal	1.02
pH (su)	7.80	7.80	Normal	7.5–7.9
Specific Conductance (µmhos/cm)	20,300	20,500	Lognormal	27,660
Total Dissolved Solids	14,600	14,800	Lognormal	22,500
Total Organic Carbon	ND (1.00)	ND (1.00)	Nonparametric	10.14
Total Organic Halogens	3.90	3.70	Lognormal	1.54
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	14.8
WQSP-6 Trace Metals				
Antimony	ND (0.025)	ND (0.025)	Nonparametric	0.140
Arsenic	ND (0.1)	ND (0.1)	Nonparametric	< 0.5
Barium	ND (0.1)	ND (0.1)	Nonparametric	< 1.0
Beryllium	ND (0.010)	ND (0.010)	Nonparametric	< 0.02
Cadmium	ND (0.010)	ND (0.010)	Nonparametric	< 0.05
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Vanadium	ND (0.050)	ND (0.050)	Nonparametric	< 0.10
Lead	ND (0.05)	ND (0.05)	Nonparametric	0.150
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	< 0.5
Selenium	ND (0.025)	ND (0.025)	Nonparametric	< 0.100
Silver	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Thallium	ND (0.025)	ND (0.025)	Nonparametric	0.560
WQSP-6 Major Cations				
Calcium	714	714	Normal	796
Magnesium	214	216	Lognormal	255
Potassium	200	194	Lognormal	270
Sodium	3,440	3,440	Lognormal	6,290
WQSP-6 Major Anions				
Alkalinity	48.0	50.0	Normal	55.8
Chloride	4,910	4,980	Nonparametric	6,200
Nitrogen, NO3 (As N)	ND (0.100)	ND (0.100)	Nonparametric	7.450
Sulfate	4,520	4,590	Lognormal	5,557
WQSP-6A Dewey Lake				
WQSP-6A General Chemistry				
Density	1.00	0.997	Nonparametric	1.01
pH (su)	7.30	7.30	Normal	6.8–8.0
Specific Conductance (µmhos/cm)	4,070	4,110	Lognormal	5,192

Refer to footnotes at end of table.

Table 3 (Continued)
Round 17 Analytical Data Summary

Chemical	Concentration (mg/L)		Distribution Type ^a	95 th UTLV or 95 th Percentile
	Sample	Duplicate		
Total Dissolved Solids	3,955	4,035	Nonparametric	4,600
Total Organic Carbon	ND (1.00)	ND (1.00)	Nonparametric	15.45
Total Organic Halogens	4.00	3.90	Normal	0.19
Total Suspended Solids	ND (1.00)	ND (1.00)	Nonparametric	91.0
WQSP-6A Trace Metals				
Antimony	ND (0.25)	ND (0.25)	Nonparametric	0.480
Arsenic	ND (0.1)	ND (0.1)	Nonparametric	< 0.5
Barium	ND (0.1)	ND (0.1)	Nonparametric	< 0.1
Beryllium	ND (0.010)	ND (0.010)	Nonparametric	< 0.01
Cadmium	ND (0.010)	ND (0.010)	Nonparametric	< 0.5
Chromium	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Vanadium	0.0650	0.0690	Nonparametric	<0.50
Lead	ND (0.05)	ND (0.05)	Nonparametric	< 0.05
Mercury	ND (0.0002)	ND (0.0002)	Nonparametric	< 0.002
Nickel	ND (0.05)	ND (0.05)	Nonparametric	0.284
Selenium	ND 0.219 U	ND 0.210 U	Nonparametric	0.220
Silver	ND (0.025)	ND (0.025)	Nonparametric	< 0.5
Thallium	ND (0.025)	ND (0.025)	Nonparametric	< 0.058
WQSP-6A Major Cations				
Calcium	616	608	Normal	733
Magnesium	164	162	Normal	188
Potassium	6.16	6.10	Lognormal	10.1
Sodium	231	226	Lognormal	369
WQSP-6A Major Anions				
Alkalinity	106.0	106.0	Lognormal	113
Chloride	391	394	Nonparametric	1,040
Nitrogen, NO ₃ (As N)	ND (0.01)	ND (0.01)	Normal	12.2
Sulfate	1,950	1,970	Lognormal	2,543

Note: Values in **bold** exceed, or are outside of the range for, the 95th UTLV or 95th percentile.

^aBaseline sample distribution type based upon Rounds 1 through 10. The 95th UTLV is used in cases where the sample distribution type is either normal or lognormal. The 95th percentile value is used in cases where the sample distribution type is nonparametric.

^bResults are from sample re-analysis. The laboratory introduced contamination into the sample during the original analysis.

µmhos/cm = Micromhos per centimeter.

mg/L = Milligram(s) per liter.

ND () = The analytical parameter was analyzed for but not detected. The analytical result is less than the detection limit, shown in parentheses.

pH (su) = Potential of hydrogen (measure of alkalinity or acidity) standard unit.

RCRA = Resource Conservation and Recovery Act.

Table 3 (Continued)
Round 17 Analytical Data Summary

U = Result qualified as "undetected" at the value shown in accordance with WIPP procedure, "Data Validation and Verification of RCRA Constituents," WP 02-EM3003, Waste Isolation Pilot Plant, Carlsbad, New Mexico, June 2000.

UTLV = Upper tolerance limit value in mg/L.

WIPP = Waste Isolation Pilot Plant.

3.3 Trace Metals and Minor Constituents

Groundwater samples were analyzed for a suite of metals and minor constituents as required by the HWFP permit. Historically, most of these parameters have shown nondetected concentrations at various detection limits. The original baseline reported nonparametric distributions for most of these parameters, based upon the small number of samples and the percentage of nondetections. The type of distribution for most trace constituents did not change with the updated baseline.

Nearly all of the trace metal and minor constituents for Round 17 were either not detected, within the range of the established background concentrations, or qualified as undetected during data validation because of similar or greater metal concentrations found in field quality control (QC) blank samples. Trace metals that were reported as detections include:

- Lead (0.233 and 0.261 mg/L), selenium (0.116 and 0.118 mg/L), and thallium (0.0910 mg/L) in samples from WQSP-2
- Selenium (0.140 and 0.134 mg/L) and thallium (0.271 and 0.158 mg/L) in WQSP-3 samples
- Selenium (0.230 and 0.0330 mg/L) in WQSP-4
- Vanadium (0.0650 and 0.0690 mg/L) and selenium (0.219 and 0.210 mg/L) in WQSP-6A samples. The selenium concentrations reported in samples from WQSP-6A were qualified as undetected during data validation because of similar selenium concentration in the deionized water field blank sample.

Where only one analysis result of the sample and duplicate pairs is listed, only one sample of the duplicate pairs showed detected results. The companion sample duplicate result was a nondetection, indicating poor analytical precision at the laboratory.

Trace metals results for lead (WQSP-2 original and duplicate sample) exceed the baseline 95th percentile (0.163 mg/L) of the nonparametric distribution. The original and duplicate sample analysis results for lead at WQSP-2 failed the T_n outlier test, and the values reported are most likely true outliers. Also, because 5-percent outliers are expected in any distribution, the outlier values do not necessarily represent contamination. Table 4 summarizes the T_n outlier

Table 4
Summary of Outlier Test Results Using the T_n Test

Well	Parameter	Concentration (mg/L)	Calculated T _n	Critical T _n Value	Pass / Fail
WQSP-1	Potassium	825	1.347	2.786	Pass
WQSP-1	Potassium	850	1.510	2.786	Pass
WQSP-2	Lead	0.233	2.811	2.773	Fail
WQSP-2	Lead	0.261	3.238	2.773	Fail
WQSP-6	TOX	3.90	2.086	2.773	Pass
WQSP-6	TOX	3.70	1.936	2.773	Pass
WQSP-6A	TOX	4.00	3.334	2.773	Fail
WQSP-6A	TOX	3.90	3.239	2.773	Fail

mg/L = Milligram(s) per liter.

TOX = Total organic halogens.

tests for all analytical results that exceeded the baseline 95th UTLV or 95th percentile.

Chapter 5.0 presents the data and calculations for the T_n outlier tests that were performed for Round 17.

3.4 Cation-Anion Balance Analyses

The major constituents, such as calcium, sodium, magnesium, potassium, chloride, sulfate, and bicarbonate, generally comprise the majority of dissolved solids in groundwater. The sum of the cations equivalent weight should be very close or equal to that for the anion equivalent weights. The comparison of the two indicates, in gross terms, the quality and reliability of the overall water analysis. Each of the water analyses for wells WQSP-1 through WQSP-6A were evaluated for cation-anion equivalent balance by Trace Analysis, Inc. Table 5 presents the results of these evaluations. Charge balances ranged from 1.3 percent (WQSP-6A Dewey Lake) to 15.0 percent (WQSP-3 Culebra). The average percent error for the seven sampled wells for Round 17 was 8.7 percent, suggesting that the major constituent analyses are reliable.

Systematic and random errors in analytical accuracy, or failure to analyze for a significant cation or anion, may result in larger percentage errors in the cation-anion balance than expected. The highly saline groundwater found at the WIPP site makes it difficult to obtain accurate analytical values. Sources of analytical error include inaccuracies introduced by sample dilution as well as matrix interference from the high content of dissolved salts. The percent-error values presented in Table 5 for the WIPP groundwater reflect these analytical errors and inaccuracies. However, the cation-anion balance alone cannot pinpoint the source or location (cation or anion)

Table 5
Summary of Analytical Cation-Anion Balances for Round 17 Samples^a

Well	Total Cations (meq/L)	Total Anions (meq/L)	Percent Error
WQSP-1 Culebra	968	1,081	11.0
WQSP-2 Culebra	938	1,087	14.8
WQSP-3 Culebra	3197	3715	15.0
WQSP-4 Culebra	1,546	1,511	2.3
WQSP-5 Culebra	489	515	5.2
WQSP-6 Culebra	208	234	11.6
WQSP-6A Dewey Lake	54.4	53.7	1.3

^aTraceAnalysis, Inc., Lubbock, Texas. Individual cation-anion balance calculations are presented in each laboratory analysis report.

meq/L = Milliequivalents per liter.

of analysis errors. In analyses of potable water, and the WIPP groundwater is not potable, a cation-anion balance of less than 10 percent is generally acceptable.

3.5 Data Validation and Verification

The WIPP DMP groundwater sample analyses were reviewed in accordance with the WIPP procedure WP 02-EM3003 "Data Validation and Verification of RCRA Constituents" (WIPP, June 2000). The WIPP procedure follows the EPA guidelines for inorganic and organic data review as set forth in the "EPA Contract Laboratory Program [CLP] National Functional Guidelines for Inorganic and Organic Review," EPA 540/R-94/012 and /013 (EPA, 1994a; EPA, 1994b).

Groundwater samples were analyzed for general chemistry parameters (i.e., alkalinity, conductivity, pH, TDS, total organic carbon, and TOX), inorganic constituents (i.e., metals), VOCs, and SVOCs. General chemistry parameters were analyzed according to standard EPA methods (EPA, November 1986). Metals were analyzed by inductively coupled plasma-atomic emission spectrometry according to EPA Method 6010B. Mercury was analyzed using an automated cold-vapor atomic absorption spectrometer (EPA Method 7470A). VOCs and SVOCs were analyzed using EPA Methods 8260B and 8270C. General chemistry parameters are exempt from the general QC requirements and are not included in the data validation and verification process.

The remainder of this chapter summarizes the data validation qualifiers assigned to the Round 17 WIPP DMP groundwater sample analysis results.

WQSP-1

Summary for Inorganic Analysis

The matrix spike (MS) percent recoveries for calcium (126 percent), silver (129 percent), and thallium (129 percent) exceeded the upper acceptance criteria of 125 percent. Calcium results in samples N7 and N7D are qualified “J” as estimated values. Silver and thallium were nondetections in the groundwater sample, and no qualifiers were assigned.

Summary for VOCs

Relative response factors (RRF) for initial and continuing calibration of the single compound analysis for isobutyl alcohol were less than 0.050 at all concentration levels. The average RRF was 0.026 with a relative percent difference (RPD) of less than 10. While the RRF levels meet EPA Method 8000 criteria of 0.01 minimum RRF, the RRFs are less than the EPA CLP VOC data validation criteria. Isobutyl alcohol was not detected in the samples and therefore qualified unusable with “R.”

The percent difference (%D) for continuing calibration versus initial calibration RRFs for 1,1-dichloroethane exceeded 25%D criteria at -29.3%D. Analysis results for the compound were nondetections and are qualified “UJ” for estimated detection limits.

Summary for SVOCs

The %D for continuing calibration RRFs for 2,4-dinitrophenol was outside the 25%D criteria at -66.2%D. Analysis results showed the compound was not detected in the WQSP-1 groundwater samples. Analysis results in samples N6 and N6D are qualified “UJ” for estimated detection limits.

Analytical results for WQSP-1 were qualified as shown in Table 6 for metals (samples WQ1CR17N7 and WQ1CR17N7D), VOCs (samples WQ1CR17N1, WQ1CR17N1D, WQ1CR17N2 and WQ1CR17N2D), and SVOCs (samples WQ1CR17N6 and WQ1CR17N6D) based upon QC information provided in the laboratory report.

Table 6
Summary of Assigned Data Qualifiers for WQSP-1

Analyte	WQ1CR17 N7	WQ1CR17 N7D	Comment
Calcium	J	J	MS
1,1-Dichloroethane	WQ1CR17 N1/N2 UJ	WQ1CR17 N1D/N2D UJ	CCV
Isobutyl Alcohol	R	R	ICV, CCV
	WQ1CR17 N6	WQ1CR17 N6D	
2,4-Dinitrophenol	UJ	UJ	CCV

CCV = Continuing calibration verification.

ICV = Initial calibration verification.

J = Estimated result value.

MS = Matrix spike.

R = Unusable.

UJ = The analyte was analyzed for but not detected. The associated value is an estimate and may be inaccurate or imprecise.

WQSP-2

Summary for Inorganic Analysis

The MS percent recoveries for silver (130 percent) and sodium (360 percent) were greater than the upper acceptance limit of 125 percent. Silver was not detected in samples N7 and N7D; therefore no qualifiers were assigned. Sodium results in the groundwater samples are qualified "J" as estimated values.

Variability between the field sample duplicates exceeded 20 RPD for thallium (114 RPD). Thallium was reported as 0.091 mg/L in sample N7 and not detected in sample N7D. Thallium results for sample N7 are qualified as an estimated value with "J" and the nondetected result for sample N7D is qualified "UJ" for estimated level of detection.

Summary for VOCs

Initial and continuing calibration RRFs for isobutyl alcohol were less than the 0.05 CLP data validation criteria but greater than the 0.01 method criteria. In accordance with the EPA CLP data validation criteria, nondetected sample results for isobutyl alcohol are qualified "R" as unusable.

Summary for SVOCs

All analysis results for SVOCs were acceptable without qualification.

Analytical results were qualified as shown in Table 7 for metals (samples WQ2CR17N7 and WQ2CR17N7D) and VOCs (samples WQ2CR17N2 and WQ2CR17N2D) based upon QC information provided in the laboratory report.

Table 7
Summary of Assigned Data Qualifiers for WQSP-2

Analyte	WQ2CR17 N7	WQ2CR17 N7D	Comment
Sodium	J	J	MS
Thallium	J	UJ	FD
	WQ2CR17 N2	WQ2CR17 N2D	
Isobutyl Alcohol	R	R	ICV, CCV

CCV = Continuing calibration verification.

FD = Field duplicate.

ICV = Initial calibration verification.

J = Estimated result value.

MS = Matrix spike.

R = Unusable.

UJ = The analyte was analyzed for but not detected. The associated value is an estimate and may be inaccurate or imprecise.

WQSP-3

Summary for Inorganic Analysis

Interference check sample (ICS) results for thallium exceeded the upper acceptance limit of 120 percent at 124 percent. Thallium was reported in the groundwater and duplicate samples at

0.271 and 0.158 mg/L, respectively. Detected results for thallium are qualified with “J” as estimated values.

Calculated precision for thallium in the field duplicate samples was 124 RPD. Thallium results in the groundwater and duplicate samples were previously qualified as estimates.

The MS percent recoveries were high, greater than the 125-percent recovery limit, for potassium (176 percent) and silver (136 percent). Potassium results in samples N7 and N7D are qualified with “J” as estimated values. Silver was not detected in the groundwater or duplicate samples; therefore no validation qualifiers were assigned. The MS percent recoveries were low, less than the 75 percent recovery limit, for beryllium (67 percent) and nickel (70 percent). Beryllium and nickel were not detected in the groundwater or duplicate samples. Nondetected results for beryllium and nickel are qualified with “UJ” for estimated detection limits.

Summary for VOCs

Initial and continuing calibration RRFs for isobutyl alcohol were less than 0.05. The RRFs were greater than the analytical method criteria of 0.01 but less than data validation criteria. Isobutyl alcohol was not detected in the groundwater samples. Results are qualified unusable with “R” in accordance with EPA Functional Guidelines for Organic Data Validation (EPA, 1994a).

Summary for SVOCs

The %D between continuing calibration RRFs and average RRFs from initial calibration for 4-methylphenol (34.0 percent) exceeded the acceptance limit of 25.0 percent difference. The compound 4-methylphenol was not detected in either the groundwater or duplicate samples. The reported nondetections are qualified “UJ” for estimated detection limits.

Analytical results were qualified as shown in Table 8 for metals (WQ3CR17N7 and WQ3CR17N7D), VOCs (WQ3CR17N2 and WQ3CR17N2D), and SVOCs (samples WQ3CR17N6 and WQ3CR17N6D) based upon QC information reported by the laboratory.

Table 8
Summary of Assigned Data Qualifiers for WQSP-3

Analyte	WQ3CR17 N7	WQ3CR17 N7D	Comment
Beryllium	UJ	UJ	MS
Nickel	UJ	UJ	MS
Potassium	J	J	MS
Thallium	J	J	ICS, FD
	WQ3CR17 N2	WQ3CR17 N2D	
Isobutyl Alcohol	R	R	ICV, CCV
	WQ3CR17 N6	WQ3CR17 N6D	
4-Methylphenol	UJ	UJ	CCV

CCV = Continuing calibration verification.

FD = Field duplicate.

ICS = Interference check sample.

ICV = Initial calibration verification.

J = Estimated result.

MS = Matrix spike.

R = Rejected as unusable.

UJ = The analyte was analyzed for but not detected. The associated value is an estimate and may be inaccurate or imprecise.

WQSP-4

Summary for Inorganic Analysis

The MS percent recoveries were slightly high, greater than the QC limit of 125 percent, for calcium (134 percent), magnesium (126 percent), and silver (130 percent). Samples N7 and N7D results for calcium and magnesium are qualified as estimated values with "J." Silver was not detected in either sample, and those results are qualified "UJ" for estimated detection limits. The MS percent recovery for mercury and potassium were low, less than the 75-percent acceptance limit, at 72 percent and 56 percent, respectively. Mercury results are qualified "UJ" for estimated detection limits and potassium results are qualified "J" as estimated values.

Field duplicate sample RPD for selenium was 150 percent. Selenium results are qualified "J" as estimated values.

Summary for VOCs

Initial and continuing calibration RRFs for isobutyl alcohol were all less than 0.05. Analysis results for isobutyl alcohol were nondetections. In accordance with the EPA CLP data review criteria, the isobutyl alcohol results in samples N2 and N2D are qualified "R" as unusable. Analysis of isobutyl alcohol met the analytical method criteria for an RRF greater than 0.01.

Summary for SVOCs

All analysis results for SVOCs were acceptable without qualification.

Analytical results were qualified as shown in Table 9 for metals (WQ4CR17N7 and WQ4CR17N7D) and VOCs (WQ4CR17N2 and WQ4CR17N2D) based upon information reported by the contractor laboratory.

Table 9
Summary of Assigned Data Qualifiers for WQSP-4

Analyte	WQ4CR17 N7	WQ4CR17 N7D	Comment
Calcium	J	J	MS
Magnesium	J	J	MS
Mercury	UJ	UJ	MS
Potassium	J	J	MS
Selenium	J	J	FD
Silver	UJ	UJ	MS
	WQ4CR17 N2	WQ4CR17 N2D	
Isobutyl Alcohol	R	R	ICV, CCV

CCV = Continuing calibration verification.

FD = Field duplicate.

ICV = Initial calibration verification.

J = Estimated result.

MS = Matrix spike.

R = Rejected as unusable.

UJ = The analyte was analyzed for but not detected. The associated value is an estimate and may be inaccurate or imprecise.

WQSP-5

Summary for Inorganic Analysis

All analysis results for metals were acceptable without qualification.

Summary for VOCs

The initial and continuing calibration RRFs for isobutyl alcohol were all less than 0.05. In accordance with the EPA CLP data validation criteria, all sample results for isobutyl alcohol are qualified unusable with "R."

Summary for SVOCs

All analysis results for SVOCs were acceptable without qualification.

Analytical results were qualified as shown in Table 10 for VOCs (WQ5CR17N2 and WQ5CR17N2D) based upon information provided by the contractor laboratory.

Table 10
Summary of Assigned Data Qualifiers for WQSP-5

Analyte	WQ5CR17 N2	WQ5CR17 N2D	
Isobutyl Alcohol	R	R	ICV, CCV

CCV = Continuing calibration verification.

ICV = Initial calibration verification.

R = Rejected as unusable.

WQSP-6

Summary for Inorganic Analysis

The ICS result for beryllium was less than the lower acceptance limit of 80 percent at 58 percent. Beryllium was not detected in sample N7 or duplicate sample N7D. The nondetected results are qualified "UJ" for estimated detection limits.

The MS percent recovery for thallium of 135 percent exceeded the 125-percent acceptance criteria. Because thallium was not detected in samples N7 or N7D, and the MS bias was high, no validation qualifiers were necessary. All other MS results either were within acceptance criteria or the spike levels were inappropriate to the parent sample concentrations.

Summary for VOCs

The initial and continuing calibration RRFs for isobutyl alcohol were all less than 0.05. In accordance with the EPA CLP data validation criteria, all sample results for isobutyl alcohol are qualified unusable with "R."

Continuing calibration %D between RRFs showed tetrachloroethene exceeding the 25-percent criteria at 28.1 percent. Tetrachloroethene was not detected in the groundwater samples, and the results are qualified "UJ" for estimated detection limits.

Summary for SVOCs

All analysis results for SVOCs were acceptable without qualification.

Analytical results were qualified as shown in Table 11 for metals (WQ6CR17N7 and WQ6CR17N7D) and VOCs (WQ6CR17N1, N2 and WQ6CR17N1D, N2D), based upon information reported by the contractor laboratory.

Table 11
Summary of Assigned Data Qualifiers for WQSP-6

Analyte	WQ6CR17 N7	WQ6CR17 N7D	Comment
Beryllium	UJ	UJ	ICS
	WQ6CR17 N1 / N2	WQ6CR17 N1D / N2D	
Tetrachloroethene	UJ	UJ	CCV
Isobutyl Alcohol	R	R	ICV, CCV

CCV = Continuing calibration verification.

ICS = Interference check sample.

ICV = Initial calibration verification.

UJ = The analyte was analyzed for but not detected. The associated value is an estimate and may be inaccurate or imprecise.

R = Rejected unusable.

WQSP-6A

Summary for Inorganic Analysis

Selenium was reported at 0.219 and 0.210 mg/L in groundwater samples N7 and N7D, respectively. Selenium was also reported at 0.204 mg/L in the deionized, field-poured, water blank sample WQ6ADLR17N13. Consequently, the selenium concentrations reported in samples N7 and N7D are qualified “U” for undetected at the reported levels.

The MS recovery for calcium (74 percent) was slightly less than the lower acceptance limit of 75 percent. Calcium results in samples N7 and N7D are qualified “J” as estimates.

Serial dilution results for vanadium showed 875%D for the 5-times diluted sample compared to the original groundwater sample. Results for vanadium in samples N7 (0.0650 mg/L) and N7D (0.0690 mg/L) were greater than 50 times the reported instrument detection limit and are qualified as estimates with “J.”

Summary for VOCs

The initial and continuing calibration RRFs for isobutyl alcohol were all less than 0.05. In accordance with the EPA CLP data validation criteria, all sample results for isobutyl alcohol are qualified “R” as unusable.

Internal area standard counts were low, less than 50 percent of the 12-hour standard, for isobutyl alcohol analysis of sample N2D. Analysis results were nondetections and previously qualified unusable “R” for low calibration RRFs.

Summary for SVOCs

All analysis results for SVOCs were acceptable without qualification.

Analytical results were qualified as shown in Table 12 for metals (WQ6ADL17N7 and WQ6ADL17N7D) and VOCs (WQ6ADL17N2 and WQ6ADL17N2D) based upon field and laboratory QC information.

Table 12
Summary of Assigned Data Qualifiers for WQSP-6A

Analyte	WQ6ADLR17 N7	WQ6ADLR17 N7D	Comment
Calcium	J	J	MS
Selenium	U	U	FB
Vanadium	J	J	SD
	WQ6ADLR17 N2	WQ6ADLR17 N2D	
Isobutyl Alcohol	R	R	CCV, ICV, IS

CCV = Continuing calibration verification.
 FB = Field blank.
 ICV = Initial calibration verification.
 IS = Internal standards.
 J = Estimated result.
 MS = Matrix spike.
 R = Rejected as unusable.
 SD = Serial dilution.
 U = Undetected at the value reported.

The data validation checklists are provided at the end of the text section of this report.

4.0 Water Chemistry Analytical Results and Concentration Plots

The actual analytical results, as received from the contract laboratory, for each of the monitoring wells WQSP-1 through WQSP-6A are provided as individual appendices (Appendix 1 through 7) included at the end of this report. Each appendix contains relevant graphs and plots of both historical sampling and Round 17 concentration data. Each separate well appendix is divided into subsections for inorganic chemistry and organic constituents. Along with analytical data and concentration plots, each appendix includes a brief narrative relative to the laboratory analyses performed, report and sample collection dates, description of deviations from prescribed methods or problems affecting data quality, and the signature authorizing release of the laboratory report to the WIPP. In addition, the laboratory header information containing sample numbers, laboratory control numbers, sample matrix, and laboratory analyst's name, as well as other appropriate information, is included. The analytical results forms for QC samples, such as blanks, spikes, and duplicates, are also provided.

All data points on the plots presented for VOCs and SVOCs in the organic parameters subsections represent detection limits only and are not actual concentrations found in the

samples. None of these parameters have been detected in either historical sampling events or Round 17.

The laboratory data tables and other information presented for each well are copies of the actual laboratory data report submittals. The following table header information and other designators are defined here to assist the reader:

- U qualifier indicates parameter not detected
- B qualifier indicates parameter above detection limits but below reporting limits
- RL means laboratory reporting limit
- Q header is to alert reader to footnote or comments
- C header is for column to define ND or U- and B-qualified results

All parameter concentration plots were reviewed for the presence of existing or developing trends, and no definite trends were apparent in these data. However, a few observations worth noting are discussed as follows:

- WQSP-1: TOC was rerun on 11/19/03. Original analysis appeared to show contamination resulting from analysis of a previous sample from another client having very high TOC concentrations.
- WQSP-1: TOX values have been uniformly higher since Round 7. This may be due to a change in laboratory technique or performance. However, TOX for the past four rounds has been fairly consistent.
- WQSP-2: Potassium values had appeared to be trending a little higher with time, but TraceAnalysis, Inc. has generally reported higher potassium concentrations relative to the other laboratories. Values from the past two rounds suggest that potassium is not on an increasing trend.
- WQSP-2: Lead was detected in both the sample and duplicate at concentrations slightly above the 95th UTLV. The previous Round 16 reported lead detected in the main sample but was non-detect in the duplicate.
- WQSP-3: It appeared that potassium may have been trending slightly higher with time as compared to the early rounds. However, TraceAnalysis, Inc. generally reports potassium at higher concentrations than the two previous laboratories. However, concentrations reported for this and the previous round indicate that potassium is not continuing to increase.

- WQSP-3: TOC was rerun on 1/7/04 due to the original sample apparently having been contaminated from the analysis of a previous sample from another client which had a very high TOC concentration.
- WQSP-4: TOX is uniformly higher since Round 7. This may be the result of laboratory analysis differences.
- WQSP-4: Chloride may be on a decreasing trend. The concentration for the main sample for Round 17 is the lowest reported to date.
- WQSP-5: TOX is uniformly higher since Round 7. This may be the result of laboratory analysis differences. However, there does not appear to be an increasing concentration trend.
- WQSP-6: Sodium and chloride concentrations both appeared to have been on a decreasing trend with time. It appears that with each pumping, the artifacts of well drilling have been decreasing. The Round 17 results suggest that this slight trend is continuing. For this round, both sodium and chloride had the lowest concentrations reported to date.
- WQSP-6: TDS appears to have been slightly decreasing over the past few rounds. This may be due to improved laboratory analysis, or the well may actually be showing decreasing impacts from the original drilling fluids.
- WQSP-6: TOX is again above the 95th UTLV, and the sample and duplicate had the highest concentration yet reported. However, Both the sample and duplicate passed the EPA Tn outlier test and these concentrations are not considered indicative of groundwater contamination.
- WQSP-6A: TOX was again above the 95th percentile. The results from the laboratory have mentioned interferences with the analytical technique, suggesting that there may have been some type of systematic laboratory deviation. Additional discussion of laboratory difficulties with TOX are provided below at the end of this section.
- WQSP-6A: Selenium appears on the graph to be increasing in the last two rounds. However, selenium has been reported in the field blanks for both sample rounds.
- WQSP-6A: Sodium and chloride both appear to be on a slight decreasing trend. For Round 17, sodium had the lowest concentration reported yet.
- WQSP-6A: Specific conductance has shown a general downward trend beginning with Round 10. Conductance values have decreased from approximately 4,500 micromhos (µmhos)/centimeter (cm) to approximately 4,000 µmhos/cm. This trend now appears to be leveling.

The analysis date as reported on the laboratory summary sheets for metals was in error for well WQSP-2. The summary sheet lists 10/20/03 and backup instrumentation logs shows 10/07/03. Also, well WQSP-2 for TSS, the summary sheet shows the incorrect analysis date as 3/21/03 while the backup data list the correct date as 9/17/03.

The subcontract laboratory that performs the TOX analyses for WIPP has often noted difficulties in performing the analysis on brine samples high in chloride. They have noted problems such as precipitates forming in the sample, sample causing clogging of the intake to their instrument, and breakthrough of halogens through the carbon sorption tubes used in the analysis. However, they have continued to report the results from their analyses. According to method 9020B in SW-846 for TOX, the method is only applicable when the level of inorganic halides (such as chloride) does not exceed the organic halides by more than 20,000 times. It appears that the laboratory may not be adequately washing the inorganic halides off the carbon tubes before desorption of the organic halides for the analysis, thus resulting in analyzing inorganic chloride as TOX. Laboratories are not accustomed to analyzing brine waters with methods that are designed for normal groundwater.

In order to provide more reliable TOX analytical results, changes will be implemented in both the laboratory analytical and field sample collection procedures. The laboratory will perform a more detailed quality assurance review of the analytical results immediately after sample analyses. This will replace the present review of a limited percentage of sample results. Field sample collection procedures will be modified to include filtration of the TOX samples and the collection of one larger volume of sample that will be divided into two aliquots for the main sample and the duplicate sample.

5.0 T_n Tests for Outliers

This chapter contains the data and calculations for the T_n outlier tests applied to analysis results values exceeding the corresponding 95th UTLV or 95th percentile (based upon the distribution type). As discussed in Chapter 3.0, the T_n outlier test was applied to values exceeding the 95th UTLV (or 95th percentile) in order to determine whether or not the reported constituent concentration values are probable realistic members of the sample population. In calculating the T_n statistic, all previously reported values are used to calculate a sample population mean and standard deviation, instead of only ten rounds of background data. The T_n statistic is the apparent “outlier” value, minus the sample population mean, and the resulting quantity divided by the sample population standard deviation. The resulting T_n value is then compared to the

critical T_n value at the upper 5-percent significance level for the one-sided test at the number of observations (data points) making up the sample distribution. (Or, for the parameter of pH, a two-sided test is used with 2.5-percent significance at both the upper and lower sides of the curve.) Critical values for T_n are obtained from standard statistical tables. If the calculated T_n is less than the critical T_n , then the apparent “outlier” value is probably not a true outlier, but is instead a member of the expected sample population, even though the value exceeds the 95th UTLV. Conversely, if the calculated T_n is greater than the critical T_n , then the value in question is probably not part of the expected sample distribution.

There are two separate tests for data outliers performed on the groundwater monitoring data at the WIPP. The first test could be considered an “external” test, while the second, the T_n outlier test, is considered an “internal” test. The terms “external” and “internal” as used herein refer to the sample distribution against which the suspect “outlier” value is being compared.

In the first outlier test, the external test, a newly obtained sample value for some groundwater parameter, such as magnesium, is compared against the established 10 rounds of baseline (background) data to determine whether the suspected outlier is greater or less than the 95th UTLV. In other words, a new value **external** to the sample population used to calculate the descriptive statistics for baseline (20 field and duplicate sample results over 10 rounds of sampling) of mean, standard deviation, 95th percentile or 95th UTLV, etc., is used to test for an outlier. The baseline 95th UTLV, once established, should never change. For example, if the Round 12 magnesium sample concentration at WQSP-1 is 2,500 mg/L and the baseline 95th UTLV is 3,000 mg/L, then the Round 12 concentration is not an outlier, and no further testing is performed. If, however, the magnesium concentration in the Round 12 sample is 3,500 mg/L and the baseline 95th UTLV is 3,000 mg/L, then the Round 12 value **may** be a true outlier, or it may in fact be a part of the true population distribution but greater than the baseline 95th UTLV. (The 95th UTLV is, after all, calculated using only a small sample of the entire population of possible magnesium measurements.) If the newly obtained magnesium value, Round 12 in this example, fails the external outlier test, that is, exceeds the baseline 95th UTLV, then a second outlier test is performed.

The second outlier test is the T_n outlier test. This test, as described in the EPA “Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities” (EPA/530-SW-89-026, Section 8.2 Outliers, pages 8–10) (EPA, February 1989) is an **internal** test for an outlier **within** a sample distribution of a population. As such, the mean and standard deviation used to calculate

the statistic **must** contain the suspect value and **all** sample values that have been collected from the population. For example, to test a possible magnesium outlier value newly obtained in Round 12, a new distribution is used to calculate the descriptive statistics of mean and standard deviation that includes the 20 data points from the 10 rounds in baseline, plus the field sample and duplicate values from Round 11, plus the field sample and duplicate values from Round 12. The calculated value for T_n then (newly measured suspected outlier value minus the newly calculated mean of the distribution of **all** sample measurements [**not** just baseline] quantity divided by the newly calculated standard deviation) produces a statistic that is then compared to the appropriate tabled statistical value for the test distribution (see EPA, February 1989, Appendix B, Table 8, "Critical Values for T_n [One-Sided Test].") The standard deviation is calculated from the same sample, using Column 1, "Number of Observations," and Column 6, "Upper 5% Significance Level." If the calculated T_n exceeds the appropriate tabled T_n value then, in our example, the magnesium is likely a true outlier as it has failed both the external outlier test (comparison to baseline distribution 95th UTLV) and the internal outlier test (for an outlier that is a member of the distribution). The tabled distribution of values for the test, the test statistic, takes into account the fact that the suspect value is part of the distribution used in the test.

Tables 13, 14, 15, and 16 show both the input data and the results for the T_n outlier tests for:

- WQSP-1 Potassium
- WQSP-2 Lead
- WQSP-6 TOX
- WQSP-6A TOX

The T_n outlier test results are discussed in Chapter 3.0 of this report.

Table 13
T_n Outlier Test for Potassium at WQSP-1

Number of Sampling Points	Analytical Results for WQSP-1 Potassium (mg/L)	Sample Type	Sampling Round
1	497	Original	1
2	474	Duplicate	1
3	476	Original	2
4	465	Duplicate	2
5	471	Original	3
6	451	Duplicate	3
7	443	Original	4
8	468	Duplicate	4
9	499	Original	5
10	476	Duplicate	5
11	467	Original	6
12	487	Duplicate	6
13	710	Original	7
14	640	Duplicate	7
15	661	Original	8
16	700	Original	9
17	728	Duplicate	9
18	442	Original	10
19	441	Duplicate	10
20	815	Original	11
21	823	Duplicate	11
22	767	Original	12
23	745	Duplicate	12
24	896	Original	13
25	871	Duplicate	13
26	695	Original	14
27	721	Duplicate	14
28	681	Original	15
29	691	Duplicate	15
30	539	Original	16
31	497	Duplicate	16
32	825	Original	17
33	850	Duplicate	17

mg/L = Milligram(s) per liter.

T_n Calculation:

Calculated T_n = (Original Value - Mean) / Stdev = 1.347

Calculated T_n = (Duplicate Value - Mean) / Stdev = 1.510

The Round 17 results were included in the mean and standard deviation of the data set.
Critical value for T_n upper 5% significance level (n = 33) T_n = 2.786 (Appendix B, Table 8).

Reference: U.S. Environmental Protection Agency (EPA), February 1989, "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance," EPA/530-SW-89-026, Waste Management Division, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C.

Table 14
T_n Outlier Test for Lead at WQSP-2

Number of Sampling Points	Analytical Results for WQSP-2 Lead (mg/L)	Sample Type	Sampling Round
1	0.0130	Original	1
2	0.0130	Duplicate	1
3	0.0130	Original	2
4	0.0130	Original	3
5	0.0130	Original	4
6	0.0500	Original	5
7	0.0500	Original	6
8	0.0500	Duplicate	6
9	0.0500	Original	7
10	0.0500	Duplicate	7
11	0.0500	Original	8
12	0.0500	Duplicate	8
13	0.0200	Original	9
14	0.0200	Duplicate	9
15	0.1630	Original	10
16	0.0250	Duplicate	10
17	0.0500	Original	10
18	0.0500	Duplicate	10
19	0.0200	Original	11
20	0.0200	Duplicate	11
21	0.0100	Original	12
22	0.0100	Duplicate	12
23	0.0100	Original	13
24	0.0100	Duplicate	13
25	0.0100	Original	14
26	0.0100	Duplicate	14
27	0.0100	Original	15
28	0.0100	Duplicate	15
29	0.1830	Original	16
30	0.0184	Duplicate	16
31	0.2330	Original	17
32	0.2610	Duplicate	17

mg/L = Milligram(s) per liter.

T_n Calculation:

Calculated T_n = (Original Value - Mean) / Stdev = 2.811

Calculated T_n = (Duplicate Value - Mean) / Stdev = 3.238

The Round 17 results were included in the mean and standard deviation of the data set.
Critical value for T_n upper 5% significance level (n = 32) T_n = 2.773 (Appendix B, Table 8).

Reference: U.S. Environmental Protection Agency (EPA), February 1989, "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance," EPA/530-SW-89-026, Waste Management Division, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C.

Table 15
T_n Outlier Test for TOX at WQSP-6

Number of Sampling Points	Analytical Results for WQSP-6 TOX (mg/L)	Sample Type	Sampling Round
1	0.0600	Original	1
2	0.0310	Duplicate	1
3	0.0573	Original	2
4	0.0536	Duplicate	2
5	0.0601	Original	3
6	0.0647	Duplicate	3
7	0.0128	Original	4
8	0.0185	Duplicate	4
9	0.0145	Original	5
10	0.0224	Duplicate	5
11	0.4700	Original	6
12	0.4500	Duplicate	6
13	0.2000	Original	7
14	0.1600	Duplicate	7
15	0.1700	Original	8
16	0.1700	Duplicate	8
17	0.5600	Original	10
18	0.1600	Duplicate	10
19	0.2900	Original	11
20	0.4300	Duplicate	11
21	2.1000	Original	12
22	2.1000	Duplicate	12
23	2.2000	Original	13
24	2.2500	Duplicate	13
25	2.8000	Original	14
26	1.8000	Duplicate	14
27	3.6000	Original	15
28	3.6000	Duplicate	15
29	1.9000	Original	16
30	2.4000	Duplicate	16
31	3.9000	Original	17
32	3.7000	Duplicate	17

mg/L = Milligram(s) per liter.
TOX = Total organic halogens.

T_n Calculation:

Calculated T_n = (Original Value - Mean) / Stdev = 2.086

Calculated T_n = (Duplicate Value - Mean) / Stdev = 1.936

The Round 17 results were included in the mean and standard deviation of the data set.
Critical value for T_n upper 5% significance level (n = 32) T_n = 2.773 (Appendix B, Table 8).

Reference: U.S. Environmental Protection Agency (EPA), February 1989, "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance," EPA/530-SW-89-026, Waste Management Division, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C.

Table 16
T_n Outlier Test for TOX at WQSP-6A

Number of Sampling Points	Analytical Results for WQSP-6A TOX (mg/L)	Sample Type	Sampling Round
1	0.0880	Original	1
2	0.0880	Duplicate	1
3	0.0665	Original	2
4	0.0660	Duplicate	2
5	0.0443	Original	3
6	0.0440	Duplicate	3
7	0.0100	Original	4
8	0.0100	Duplicate	4
9	0.1814	Original	5
10	0.1631	Duplicate	5
11	0.0540	Original	7
12	0.0430	Duplicate	7
13	0.1000	Original	8
14	0.1300	Duplicate	8
15	0.0760	Original	9
16	0.0340	Duplicate	9
17	0.0460	Original	10
18	0.0780	Duplicate	10
19	0.0540	Original	11
20	0.0440	Duplicate	11
21	0.0290	Original	12
22	0.0410	Duplicate	12
23	0.0390	Original	13
24	0.0390	Duplicate	13
25	0.4400	Original	14
26	0.2900	Duplicate	14
27	2.3000	Original	15
28	2.2000	Duplicate	15
29	0.1200	Original	16
30	0.0730	Duplicate	16
31	4.0000	Original	17
32	3.9000	Duplicate	17

mg/L = Milligram(s) per liter.

TOX = Total organic halogens.

T_n Calculation:

Calculated T_n = (Original Value - Mean) / Stdev = 3.334

Calculated T_n = (Duplicate Value - Mean) / Stdev = 3.239

The Round 17 results were included in the mean and standard deviation of the data set.

Critical value for T, 5% overall significance test (n = 32) T_n = 2.773 (Appendix B, Table 8).

Reference: U.S. Environmental Protection Agency (EPA), February 1989, "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance," EPA/530-SW-89-026, Waste Management Division, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C.

6.0 Summary

The WIPP DMP performed semiannual groundwater sampling at seven WIPP monitoring wells from September through November 2003 (Sampling Round 17). Six wells, WQSP-1 through WQSP-6, are completed in the Culebra Dolomite. The seventh well, WQSP-6A, is completed in the Dewey Lake Formation. Groundwater samples were submitted to TraceAnalysis, Inc., Lubbock, Texas, for chemical analysis. Sampling and analysis were performed in accordance with requirements specified in the HWFP issued by NMED on October 27, 1999.

The groundwater sample analysis data collected during Round 17 were compared to the baseline water quality parameter statistics to determine whether any measurable or statistically significant changes in water quality have, or are, occurring. All permit-required analytical parameters in Round 17 were evaluated against the established 95th UTLV or 95th percentile baseline statistic calculated for that particular monitoring well and constituent. For the Round 17 chemical analysis data, all permit-required constituent concentrations were less than the 95th UTLV or 95th percentile values, except for potassium in the original and duplicate samples from WQSP-1, lead in the original and duplicate samples from WQSP-2, and TOX in the original and duplicate samples from both WQSP-6 and WQSP-6A. Water quality parameter concentration data less than the 95th UTLV or 95th percentile indicate that there has been no significant change in groundwater quality.

Water quality parameter concentration data exceeding the respective 95th UTLV (i.e., potassium in samples from WQSP-1, lead in samples from WQSP-2, and TOX in samples from WQSP-6 and WQSP-6A) were further evaluated using the T_n statistical test to determine whether these might be true outliers or members of the expected sample population. The T_n tests conducted for Round 17, presented in Tables 13 through 16, do not indicate significant changes in groundwater quality. For WQSP-1 potassium and WQSP-6 TOX, the calculated T_n values are less than the appropriate T_n table statistics, indicating that the results for the groundwater samples are not outliers but members of the expected sample populations. For lead in WQSP-2 and TOX in WQSP-6A, the calculated T_n values are greater than the appropriate T_n table statistics; however, these results do not conclusively indicate changes in groundwater quality. The higher concentration values from Round 17, relative to established background 95th UTLV and other historical values, may be the result of field sampling errors, laboratory measurement errors, or other random or systematic errors as the laboratory reported that interferences were present in the analyses.

Additionally, in reference to the reported TOX values for WQSP-6A, the DMP analyzes for a significant list of individual organic parameters. The results for all VOCs and SVOCs were non-detections suggesting that TOX values should be low if the analyses are performed correctly and with care.

In summary, all permit-required water quality parameters were measured in the permit-required monitoring wells during the WIPP DMP Sampling Round 17, September through November 2003. Evaluations of the resulting water quality parameter data indicate no measurable or significant changes in groundwater quality relative to the established baseline background.

7.0 References

Crawley, M.E., and M. Nagy, November 2000, "Waste Isolation Pilot Plant RCRA Background Groundwater Quality Baseline Report, Addendum 1" DOE/WIPP 98-2285, prepared by IT Corporation for Westinghouse Electric Corporation, Waste Isolation Pilot Plant, Carlsbad, New Mexico.

Crawley, M.E., and M. Nagy, April 1998, "Waste Isolation Pilot Plant RCRA Background Groundwater Quality Baseline Report," DOE/WIPP 98-2285, prepared by IT Corporation for Westinghouse Electric Corporation, Waste Isolation Pilot Plant, Carlsbad, New Mexico.

EPA, see U.S. Environmental Protection Agency.

U.S. Environmental Protection Agency (EPA), 1994a, "EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," EPA 540/R-94/012, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency (EPA), 1994b, "EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," EPA 540/R-94/013, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency (EPA), February 1989, "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance," EPA/530-SW-89-026, Waste Management Division, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency (EPA), November 1986, "Test Methods for Evaluating Solid Waste," 3rd ed., Update 3, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Waste Isolation Pilot Plant (WIPP), June 2000, "Data Validation and Verification of RCRA Constituents," WP 02-EM3003, Waste Isolation Pilot Plant, Carlsbad, New Mexico.

WIPP, see Waste Isolation Pilot Plant.

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-1 Culebra Round 17

Laboratory Name: TRACE ANALYSIS, INC.

Laboratory Work Order #: SDG 3090420

Sample Number(s): WQICR17N1-N8, N12, N13; WQICR17N10-N8D, N12D, N13D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?		✓
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?	✓	
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?	✓	

Attachment 2 - Inorganic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

ICP CALIBRATION	YES	NO
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	↓	
Was the reported CRI standard analyzed at the proper location within the analytical run?	↓	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ATOMIC ABSORPTION & COLD VAPOR MERCURY ANALYSIS	YES	NO
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS	YES	NO
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

ICP INTERFERENCE CHECK SAMPLE	YES	NO
Were ICSs analyzed at the proper frequency and location?	✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?		✓
Do ICSAP samples fall within $\pm 20\%$ of true range	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?	✓	
Do results fall within established control limits?	✓	
Were transcription errors noted?		✓

DUPLICATE ANALYSIS	YES	NO
Were the appropriate number of duplicate samples analyzed?	✓	
Do results fall within established control limits?		✓
Were target analytes present in blanks?		✓

SPIKED SAMPLE ANALYSIS	YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?	✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?		✓

NA = Not Applicable

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4° C?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ?	✓	✓ <i>me</i>
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?		✓

Attachment 3 - Volatile Organic Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?	NA	

SYSTEM MONITORING COMPOUNDS	YES	NO
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?	NA	

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS	YES	NO
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND	YES	NO
Was a library search performed for all samples and blanks?		✓
Were TICs present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 4 - Semi-Volatile Data Review

Holding Times	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?		✓

Attachment 4 - Semi-Volatile Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?	✓	

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?		✓
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?		✓

INTERNAL STANDARDS	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUNDS	YES	NO
Has the laboratory performed a library search for all required peaks?		✓
Were TIC peaks present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-2 Culebra

Laboratory Name: Trace Analysis, Inc.

Laboratory Work Order #: SDG: 3091728

Sample Number(s): WQ2CR17N1-N8, WQ2CR17N1D-N8D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?		
Were transcription errors noted? <i>will go</i>	✓	✗
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?	✓	
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?	✓	

Attachment 2 - Inorganic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

ICP CALIBRATION	YES	NO
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	↓	
Was the reported CRI standard analyzed at the proper location within the analytical run?	↓	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ATOMIC ABSORPTION & COLD VAPOR MERCURY ANALYSIS	YES	NO
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS	YES	NO
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

ICP INTERFERENCE CHECK SAMPLE	YES	NO
Were ICSs analyzed at the proper frequency and location?	✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?		✓
Do ICSAP samples fall within $\pm 20\%$ of true range	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?	✓	
Do results fall within established control limits?	✓	
Were transcription errors noted?		✓

DUPLICATE ANALYSIS	YES	NO
Were the appropriate number of duplicate samples analyzed?	✓	
Do results fall within established control limits?		✓
Were target analytes present in blanks?		✓

SPIKED SAMPLE ANALYSIS	YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?	✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?		✓

NA = Not Applicable

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4°C?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ? <i>me</i>	✓	✓
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?	✓	

Attachment 3 - Volatile Organic Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?		NA

SYSTEM MONITORING COMPOUNDS	YES	NO
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?		NA

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS	YES	NO
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND	YES	NO
Was a library search performed for all samples and blanks?		✓
Were TICs present in samples also present in blanks?		NA

NA = Not Applicable

Attachment 4 - Semi-Volatile Data Review

Holding Times	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?	✓	

Attachment 4 - Semi-Volatile Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?		✓

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?	✓	
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?		✓

INTERNAL STANDARDS	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUNDS	YES	NO
Has the laboratory performed a library search for all required peaks?		✓
Were TIC peaks present in samples also present in blanks?	NA	NA

NA - Not Applicable

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-3 Culebra

Laboratory Name: TRACE ANALYSIS, INC.

Laboratory Work Order #: SDG 3100129

Sample Number(s): WQ3 CR17N1-N8, N1D-N8D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?	✓	
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?		✓
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?		✓
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?	✓	

Attachment 2 - Inorganic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

ICP CALIBRATION	YES	NO
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	✓
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	NA	
Was the reported CRI standard analyzed at the proper location within the analytical run?	NA	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ATOMIC ABSORPTION & COLD VAPOR MERCURY ANALYSIS	YES	NO
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS	YES	NO
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

ICP INTERFERENCE CHECK SAMPLE	YES	NO
Were ICSs analyzed at the proper frequency and location?	✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?		✓
Do ICSAP samples fall within $\pm 20\%$ of true range		✓

LABORATORY CONTROL SAMPLES	YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?	✓	
Do results fall within established control limits?	✓	
Were transcription errors noted?		✓

DUPLICATE ANALYSIS	YES	NO
Were the appropriate number of duplicate samples analyzed?	✓	
Do results fall within established control limits?		✓
Were target analytes present in blanks?		✓

SPIKED SAMPLE ANALYSIS	YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?	✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?		✓

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4°C?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ?	✓	✓ <i>mel</i>
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?	✓	

Attachment 3 - Volatile Organic Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?	NA	

SYSTEM MONITORING COMPOUNDS	YES	NO
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?	NA	

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS	YES	NO
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND	YES	NO
Was a library search performed for all samples and blanks?	NA	
Were TICs present in samples also present in blanks?	NA	

NA - not applicable

Attachment 4 - Semi-Volatile Data Review

Holding Times	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?		✓

Attachment 4 - Semi-Volatile Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?		✓

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?	✓	
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?	✓	

INTERNAL STANDARDS	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUNDS	YES	NO
Has the laboratory performed a library search for all required peaks?	NA	
Were TIC peaks present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-4, Clebra, Round 17

Laboratory Name: TRACE ANALYSIS, INC

Laboratory Work Order #: SDG 3101527

Sample Number(s): WQ4CR17N1-N8, WQ4CR17N1D-N8D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?		✓
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?		✓
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?		✓

Attachment 2 - Inorganic Data Review

HOLDING TIMES		
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

ICV CALIBRATION		
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	NA	
Was the reported CRI standard analyzed at the proper location within the analytical run?	NA	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ANALYTIC ABSORPTION/HOLD VAPOR-MERCURY ANALYSIS		
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS		
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

INORGANIC ANALYSIS		YES	NO
Were ICSs analyzed at the proper frequency and location?		✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?			✓
Do ICSAP samples fall within $\pm 20\%$ of true range		✓	

LABORATORY CONTROL SAMPLES		YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?		✓	
Do results fall within established control limits?		✓	
Were transcription errors noted?			✓

REPLICATE ANALYSIS		YES	NO
Were the appropriate number of duplicate samples analyzed?		✓	
Do results fall within established control limits?			✓
Were target analytes present in blanks?			✓

SPIKED SAMPLE ANALYSIS		YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?		✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?			✓

Attachment 3 - Volatile Organic Data Review

STORAGE	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4°C?	✓	

ANALYSIS	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

RECALCULATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ?		✓
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?	✓	

Attachment 3 - Volatile Organic Data Review

BLANKS		
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?	NA	

SPECIMEN ANALYSIS PROCEDURES		
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?	NA	

MATRIX SPIKE/MATRIX SPIKE DUPLICATE		
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY/CONTROL SAMPLES		
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS		
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION		
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

POSITIVELY IDENTIFIED COMPOUNDS		
Was a library search performed for all samples and blanks?	NA	
Were TICs present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 4 - Semi-Volatile Data Review

SAMPLE RECEIPT		
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

CONCOMITANT PERFORMANCE CHECK		
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION		
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION		
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?	✓	

Attachment 4 - Semi-Volatile Data Review

BLANKS		
	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE RECOVERIES		
	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?		✓

TARGET SEPARATION/SPRINKLE DUPLICATION		
	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?		✓
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES		
	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?		✓

INTERNAL STANDARDS		
	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION		
	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVE LIBRARY-FILED COMPOUNDS		
	YES	NO
Has the laboratory performed a library search for all required peaks?	NA	
Were TIC peaks present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-5 Culebra, Round 17

Laboratory Name: Trace Analysis, Inc.

Laboratory Work Order # ^{SDG:} 3102920

Sample Number(s): WQ5CR17N1-N8, WQ5CR17N1D-N8D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?		✓
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?		✓
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?		✓

Attachment 2 - Inorganic Data Review

Hold Times	YES	NO
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

QC Calibration	YES	NO
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	NA	
Was the reported CRI standard analyzed at the proper location within the analytical run?	NA	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

Atomic Absorption/A Cold Vapor Mercury Analysis	YES	NO
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

Blanks	YES	NO
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

ICP INTERFERENCE CHECK SAMPLE	YES	NO
Were ICSs analyzed at the proper frequency and location?	✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?		✓
Do ICSAP samples fall within $\pm 20\%$ of true range		✓

LABORATORY CONTROL SAMPLES	YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?	✓	
Do results fall within established control limits?	✓	
Were transcription errors noted?		✓

DUPLICATE ANALYSIS	YES	NO
Were the appropriate number of duplicate samples analyzed?	✓	
Do results fall within established control limits?	✓	
Were target analytes present in blanks?		✓

SPIKED SAMPLE ANALYSIS	YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?	✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?		✓

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4°C?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ?		✓
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?	✓	

Attachment 3 - Volatile Organic Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?		NA

SYSTEM MONITORING COMPOUNDS	YES	NO
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?		NA

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS	YES	NO
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND	YES	NO
Was a library search performed for all samples and blanks?		NA
Were TICs present in samples also present in blanks?		NA

NA = Not Applicable

Attachment 4 - Semi-Volatile Data Review

Holding Time	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?	✓	

Attachment 4 - Semi-Volatile Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?		✓

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?	✓	
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?	✓	

INTERNAL STANDARDS	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUNDS	YES	NO
Has the laboratory performed a library search for all required peaks?	NA	
Were TIC peaks present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-6 Culebra Round 17
 Laboratory Name: Trace Analysis, Inc.
 Laboratory Work Order #: SDG 3111214
 Sample Number(s): WQ6CR17N1-N8, WQ6CR17N1D-N8D
 Reviewer Name (print): Mark Lyon
 Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?	✓	
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?		✓
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?	✓	

Attachment 2 - Inorganic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

ICP CALIBRATION	YES	NO
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	NA	
Was the reported CRI standard analyzed at the proper location within the analytical run?	NA	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ATOMIC ABSORPTION/A GOLD VAPOR MERCURY ANALYSIS	YES	NO
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS	YES	NO
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

ICP INTERFERENCE CHECKS TABLE	YES	NO
Were ICSs analyzed at the proper frequency and location?	✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?		✓
Do ICSAP samples fall within $\pm 20\%$ of true range		✓

LABORATORY CONTROL SAMPLES	YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?	✓	
Do results fall within established control limits?	✓	
Were transcription errors noted?		✓

DUPLICATE ANALYSIS	YES	NO
Were the appropriate number of duplicate samples analyzed?	✓	
Do results fall within established control limits?	✓	
Were target analytes present in blanks?		✓

SPIKED SAMPLE ANALYSIS	YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?	✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?		✓

NA = Not Applicable

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES	YES	NO
Were holding times within limits for all samples?	✓	
Were sample properly preserved?	✓	
Was sample integrity intact?	✓	
Were sample temperatures maintained at 4°C?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?	✓	
Is the calibration mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 95?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used?		✓
Do recalculated RRF value(s) agree with laboratory reported values?	✓	
Are all RRFs ≥ 0.05 ?		✓
Do recalculated %RSD value(s) agree with laboratory reported value(s)?	✓	
Are recalculated %RSD values $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations ran at the correct frequency?	✓	
Do recalculated average RRF values agree with the laboratory reported values?	✓	
Are RRFs for target and SMCs ≥ 0.05 ?		✓
Do recalculated %D value(s) agree with laboratory reported values?	✓	
Are recalculated %D within $\pm 25\%$ for target compounds?		✓

Attachment 3 - Volatile Organic Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?	NA	

SYSTEM MONITORING COMPOUNDS	YES	NO
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?	NA	

MATRIX SPIKE/MATRIX SPIKE DUPLICATE	YES	NO
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS	YES	NO
Are retention times within criteria?	✓	
Are internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND	YES	NO
Was a library search performed for all samples and blanks?	NA	
Were TICs present in samples also present in blanks?	NA	

NA = Not Applicable

Attachment 4 - Semi-Volatile Data Review

Holding Times	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

GC/MS INSTRUMENT PERFORMANCE CHECK	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?	✓	

Attachment 4 - Semi-Volatile Data Review

BLANKS	YES	NO
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES	YES	NO
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?		✓

SYSTEM SPIKE / MATRIX SPIKE / DUPLICATE	YES	NO
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?	✓	
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES	YES	NO
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?	✓	

INTERNAL STANDARDS	YES	NO
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION	YES	NO
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUNDS	YES	NO
Has the laboratory performed a library search for all required peaks?	NA	
Were TIC peaks present in samples also present in blanks?	NA	

Attachment 1 - Preliminary Review

SECTION A

Sample Location: WQSP-6A Dewey Lake Round 17

Laboratory Name: Trace Analysis, Inc.

Laboratory Work Order #: SDG 311926

Sample Number(s): WQ6ADLR17N1-N8, N12, N13, N12D, N13D

Reviewer Name (print): Mark Lyon

Reviewer Signature: Mark Lyon

SECTION B

	YES	NO
Is the SDG narrative present and certification page signed by an authorized representative of the laboratory?	✓	
Does the SDG narrative explain problems associated with processing the samples?		✓
Are the original or copy of the Chain of Custody and the Request for Analysis present and complete?	✓	
Is the sample analysis summary table present?		✓
Are sufficient data as required by the SOW available to evaluate the analysis results?	✓	
Were transcription errors noted?	✓	
Is the electronic data package present and in the proper format?	✓	
Do recalculated % recoveries agree with laboratory reported values?	✓	
Do man made organic compounds indicate a trend?		✓
Are there trends or outliers identified in the naturally occurring constituents?		✓
Were any of the results above the established 95 th UTL or 40 CFR 264.94 maximum concentrations?	✓	

Attachment 2 - Inorganic Data Review

HOLDING TIMES		
Were holding times within limits for all samples?	✓	
Were samples properly preserved?	✓	
Was integrity of each sample intact?	✓	

CALIBRATION		
Was the instrument calibrated daily and at each set up utilizing blanks and standards?	✓	
Were measurements the average of a least two replicate exposures?	✓	
Were the %R within specified ranges?	✓	
Was the reported CRI standard analyzed at the proper concentration?	NA	
Was the reported CRI standard analyzed at the proper frequency?	NA	
Was the reported CRI standard analyzed at the proper location within the analytical run?	NA	
Were ICV and CCV standards analyzed at the proper frequency and concentration?	✓	

ANALYTICAL DESCRIPTION/ANALYTICAL METHOD/ANALYSIS		
Did the correlation coefficient (R) meet the correct criteria?	✓	
Was the instrument calibrated daily for each analyte?	✓	
Were proper blanks and correct number of standards used per method each time the instrument was setup?	✓	
Was the reported CRA analyzed at the proper frequency, concentration, and location?	NA	
Were ICV and CCV standards analyzed for each analyte?	✓	
Were %R within specified ranges?	✓	

BLANKS		
Was an ICB analyzed after the calibration?	✓	
Were CCBs analyzed at the appropriate frequency and location?	✓	
Were PBs prepared and analyzed as appropriate?	✓	
Were blank results accurately reported?	✓	
Were target analytes present in blanks?		✓

Attachment 2 - Inorganic Data Review

INORGANIC REFERENCE SAMPLES		YES	NO
Were ICSs analyzed at the proper frequency and location?		✓	
Were results with an absolute value greater than IDL detected for analytes not present in the ICS?			✓
Do ICSAP samples fall within $\pm 20\%$ of true range			✓

LABORATORY CONTROL SAMPLES		YES	NO
Were the correct number of LCSs prepared and analyzed for SDG?		✓	
Do results fall within established control limits?		✓	
Were transcription errors noted?		✓	

DUPLICATE ANALYSIS		YES	NO
Were the appropriate number of duplicate samples analyzed?		✓	
Do results fall within established control limits?		✓	
Were target analytes present in blanks?			✓

SPIKED SAMPLE ANALYSIS		YES	NO
Were the appropriate number of spiked samples prepared and analyzed for the SDG?		✓	
Do pre-distillation/pre-digestion spiked sample results fall within established limits?			✓

Attachment 3 - Volatile Organic Data Review

HOLDING TIMES		YES	NO
Were holding times within limits for all samples?		✓	
Were sample properly preserved?		✓	
Was sample integrity intact?		✓	
Were sample temperatures maintained at 4°C?		✓	

BFB (ISOTOPE) PERFORMANCE CHECK		YES	NO
Is there a BFB calibration for each 12 hour period that analysis was performed?		✓	
Is the calibration mass assignment correct?		✓	
Is the mass listing normalized to MZ/ 95?		✓	
Were the ion abundance criteria met?		✓	

INTERNAL CALIBRATION		YES	NO
Were the correct concentration of standards used?			✓
Do recalculated RRF value(s) agree with laboratory reported values?		✓	
Are all RRFs ≥ 0.05 ?			✓
Do recalculated %RSD value(s) agree with laboratory reported value(s)?		✓	
Are recalculated %RSD values $\leq 30\%$?		✓	

CONTINUING CALIBRATION		YES	NO
Were continuing calibrations ran at the correct frequency?		✓	
Do recalculated average RRF values agree with the laboratory reported values?		✓	
Are RRFs for target and SMCs ≥ 0.05 ?			✓
Do recalculated %D value(s) agree with laboratory reported values?		✓	
Are recalculated %D within $\pm 25\%$ for target compounds?		✓	

Attachment 3 - Volatile Organic Data Review

BLANKS		
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each 12 hour period for each GC/MS analysis run?	✓	
Were instrument blanks analyzed for samples where target compounds were detected to above linear range?	NA	

SYSTEM TRANSFORMING COMPOUNDS		
Were SMC recoveries calculated correctly?	✓	
Were re-analyses performed for any SMCs that were out of specification?	NA	

MATRIX SPINE WITH SPIKE REPLICATION		
Were MS/MSD samples analyzed for each sample matrix?	✓	
Were MS/MSD recoveries and RPD within advisory limits?	✓	
Were MS spike RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES		
Were LCSs analyzed and reported at the proper frequency for each SDG?	✓	
Were LCSs recovery results within QC limits?	✓	
Were transcription or calculation errors noted?		✓

INTERNAL STANDARDS		
Are retention times within criteria?	✓	
Are internal standard areas within criteria?		✓

TARGET COMPOUND IDENTIFICATION		
Are RRTs within ± 0.06 RRT units of the standard RRT?	✓	
Do sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

TENTATIVELY IDENTIFIED COMPOUND		
Was a library search performed for all samples and blanks?	NA	✓
Were TICs present in samples also present in blanks?	NA	

NA Not Applicable

Attachment 4 - Semi-Volatile Data Review

EXTRACTION HOLDING TIMES	YES	NO
Were extraction holding times exceeded?		✓
Were sample holding times after extraction exceeded?		✓
Were the samples received by the laboratory intact and iced?	✓	
Was the sample temperature within specified ranges at the time of receipt?	✓	

IONIZING INSTRUMENT PERFORMANCE CHECKS	YES	NO
Is DFTPP calibration present for each 12 hour period for which samples were analyzed?	✓	
Is the mass assignment correct?	✓	
Is the mass listing normalized to MZ/ 198?	✓	
Were the ion abundance criteria met?	✓	

INITIAL CALIBRATION	YES	NO
Were the correct concentration of standards used for initial calibration?		✓
Were samples analyzed within 12 hours of the associated performance check?	✓	
Do recalculated RRFs for initial calibration and target compounds agree with reported values?	✓	
Are RRFs for target compounds and surrogates ≥ 0.05 ?	✓	
Are recalculated %RSD $\leq 30\%$?	✓	

CONTINUING CALIBRATION	YES	NO
Were continuing calibrations performed at the required frequency?	✓	
Do the continuing calibration RRF values agree with the laboratory reported values?	✓	
Do all semi-volatile and surrogates meet RRFs specifications?	✓	
Are recalculated %D value(s) $\leq 25\%$ for target compounds?	✓	

Attachment 4 - Semi-Volatile Data Review

BLANKS		
Are target or non-target compounds present in blank samples?		✓
Was a method blank prepared for each extraction batch?	✓	
Was a method blank prepared for each GC/MS used to analyze samples?	✓	

SURROGATE SPIKES		
Were calculation errors noted for surrogate recoveries?		✓
Were surrogate recoveries reported outside of criteria?	✓	

RANDOM SPiked SAMPLE SPIKE (DUPLICATE)		
Were MS/MSDs analyzed at the required frequency?	✓	
Are MS/MSDs within advisory limits?	✓	
Were MS recoveries and RPD calculated correctly?	✓	

LABORATORY CONTROL SAMPLES		
Were LCS analysis reported for the SDG?	✓	
Are LCS recovery results within QC limits?	✓	

INTERNAL STANDARDS		
Were internal standard retention times and areas reported on the internal standard summary?	✓	
Are all retention times and internal standard areas within criteria?	✓	

TARGET COMPOUND IDENTIFICATION		
Are RRTs of reported compounds within ± 0.06 RRT units of the standard RRT?	✓	
Does the sample compound spectra meet the specified criteria?	✓	
Are all chromatogram peaks accounted for?	✓	

UNKNOWN IDENTIFIED COMPOUNDS		
Has the laboratory performed a library search for all required peaks?	NA	✓
Were TIC peaks present in samples also present in blanks?	NA	

NA=Not Applicable

APPENDIX 1

ANALYTICAL RESULTS WELL WQSP-1

SUMMARY FOR WQSP-1, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-1 is located approximately one mile north northwest of the center of the WIPP site, 101 FNL and 1422 FWL in Section 20, T22S, R31E in Eddy County New Mexico. The surface elevation at WQSP-1 is 3,417 feet above mean sea level (AMSL). The top of casing (TOC) elevation at WQSP-1 is 3,419 feet AMSL. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP site. Well WQSP-1 was drilled between September 13 and 16, 1994 to a total depth of 737 ft below ground surface (BGS). The borehole was drilled through the Culebra and extends 15 feet into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 693-ft BGS using compressed air as the drilling media. The interval from 693 to 737 ft BGS was drilled using air mist with a foaming agent as the drilling media. WQSP-1 was drilled to 696 ft BGS using a 9-7/8 inch drill bit and was cored from 696 to 737 ft BGS using a 5¼ inch core bit to cut a 4 inch diameter core. After drilling and coring WQSP-1 was reamed to 9-7/8 inch diameter to the total depth of 737-ft BGS. WQSP-1 was cased with 5 inch O.D. and 4.33 inch I.D. fiber glass casing from the surface to 702 ft BGS. Slotted 0.020 well screen was placed across the Culebra interval from 702 to 727 feet BGS and a 10 ft blank casing was installed below the screened interval from 727 to 737 ft BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-1 is 699 to 722 based on core log results. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 651 ft BGS, fine grain sand pack was then installed from 651 to 640 ft BGS. A bentonite seal was placed above the sand pack to 550-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-1 on September 20, 1999. The system consists of a model 10S30-34 Grundfos submersible pump retrofitted with Kynar seals and a 3-phase 230-volt AC 5-horse power submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the top of the pump to enable monitoring of the formation pressures in the wellbore during sampling. Round-17 pumping at WQSP-1 began on 09/02/03 at 07:48 and ended on 09/04/03 at 09:18. The standing water level was measured at 364.34 ft BTOC just prior to beginning the purging and sampling process. The well was purged for 50 hours at an average pumping rate of 0.36 gallons per minute (gpm).

Three serial samples were collected. The first sample was collected on 09/02/03 after approximately 188 gallons of water were pumped. The second was collected on 09/03/03 after 509 gallons of water were pumped. The third sample and final samples were collected on 09/04/03 after approximately 956 gallons of water, approximately 4 well bore volumes¹, had been pumped from the well.

¹ Well bore volumes are calculated by measuring the water level below the top of

Final samples were collected through a dedicated Teflon line and dedicated stainless steel valves. Final samples were collected for Trace Analysis, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. The Environmental Evaluation Group (EEG) was not on site during the sampling process to collect independent samples. Samples were collected for radionuclide analysis by the WIPP Lab. Hold samples were collected for the WIPP project. The Final Sample Checklist lists samples, destination, preservatives, sample quantities, container type, sampling times, and sample team members.

ROUND-17 SAMPLING RESULTS

Eh measured +255, +233, and +237 mv for the three samples respectively.

pH measured 7.22, 7.20, and 7.22 standard units respectively for the three serial samples.

Temperature measured 22.1° C, 21.7° C, and 22.2° C respectively.

Specific gravity measured 1.047 @ 21.7° C, 1.048 @ 22.6° C, and 1.048 @ 22.5° C.

Specific Conductivity measured 81,700, 84,200 and 84,200 umhos/cm at 25° C for each of the serial samples.

Alkalinity measurements were 65.5 mg/l, 65.4 mg/l, and 65.5 mg/l respectively.

Chlorides measured 35,164 mg/l, 35,039 mg/l, and 35,539 mg/l.

Divalent cations measured 183.9 mg/l, 184.0 mg/l, and 182.4 meq/l respectively.

Total iron measured 0.14 mg/l, 0.10 mg/l, and 0.05 mg/l respectively.

COMPARISON OF ROUND-17 RESULTS WITH BACKGROUND

The amount of water pumped prior to final sampling for previous rounds was 8,527, 6,496, 6,991, 4,690, 11,540 2,758, 3,657, 2,038, 2,078, 997, 1,549, 1,619, 1,863, 1,459, 1,749, 972, and 1,000 gallons respectively. Approximately 956 gallons were pumped prior to final sampling during Round-17. A comparison of average final day data for Round-17 to background rounds for alkalinity, chlorides, di-cats, and total iron is shown in the following table.

AVG. OF FINAL DAY RESULTS FOR BACKGROUND ROUNDS

Alkalinity.....62.9 mg/l
Chlorides....35,789 mg/l
Di-Cats.....181.2 meq/l

AVG. OF FINAL DAY RESULTS FOR ROUND-17

Alkalinity.....65.5 mg/l
Chlorides....35,539 mg/l
Di-Cats.....182.4 meq/l

casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

Total Iron.....0.13 mg/l

Total Iron.....0.05 mg/l

All values for serial sample #3 except total iron were within the $\pm 5\%$ criteria.

WQSP-1
Round 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/GWMP
SDG: 3090420
DATE: OCTOBER 22, 2003
R/A CONTROL: 6450/6451

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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Inorganic Analysis Data Section

SECTION III

Volatile Organic Analysis Data Section

SECTION IV

Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for twenty miscellaneous samples received on September 4 2003, under SDG 3090420.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

Michael T. Al 11/12/03
LABORATORY MANAGER: DATE

Brandi Peterson 11/12/03
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3090420

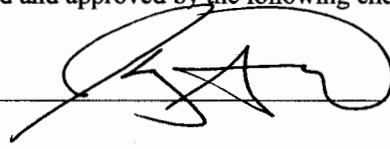
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WQ1CR17N2	T16666
WQ1CR17N2D	T16667
WQ1CR17N3	T16668
WQ1CR17N3D	T16669
WQ1CR17N4	T16670
WQ1CR17N4D	T16671
WQ1CR17N5	T16672
WQ1CR17N5D	T16673
WQ1CR17N6	T16674
WQ1CR17N6D	T16675
WQ1CR17N7	T16676
WQ1CR17N7D	T16677
WQ1CR17N8	T16678
WQ1CR17N8D	T16679
WQ1CR17N12	T16680
WQ1CR17N12D	T16681
WQ1CR17N13	T16682
WQ1CR17N13D	T16683

Signature Page

The data for Round 17 Well # 3 was reviewed and approved by the following chemists.

VOC's:

Johnny Gridstaff



TOC's:

Robert Champlin



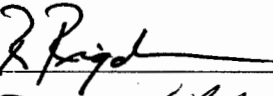
Semi-Volatiles:

Robert Champlin

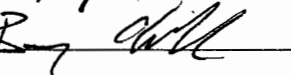


Metals:

Richard Rigdon

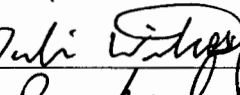


Barry Chaffin

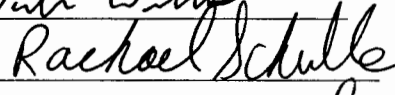


General Chemistry:

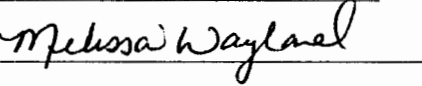
Julie Winters



Rachel Schulle



Melissa Wayland



Cation-Anion Balance Sheet

Sample #

WQSP # 1

Date:

11/12/2003

Cations

	ppm	meq/L
Calcium	1680	83.832
Magnesium	1080	88.8732
Sodium	17800	774.3
Potassium	825	21.1035

Total Cations

968.1087 in meq/L

Anions

	ppm	meq/L
Alkalinity	48	0.96
Sulfate	4440	92.4408
Chloride	35000	987.35
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

1080.7508 in meq/L

Percentage Error

10.99559 %

(needs to be <10%)

OTHER INFORMATION

TDS	66500
EC	83000

Measure EC and Cation Sums	96810.87	Range should be:	74700	to	91300
Measure EC and Anion Sums	108075.08	Range should be:	74700	to	91300
Calculated TDS/Conductivity	0.8012048	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.6869063	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.615313	Range should be:	0.55	to	0.77

SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3090420

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6	Initial Calibration Verification (Form 3)
7	Continuing Calibration Verification (Form 3)
8	Matrix Spike and Matrix Spike Duplicate Recovery (Form 6)
9	LCS and LCSD Recovery (Form 6)
10	Duplicate Recovery (Form 7)
11	Analysis Run Log (Form 9)
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25	Chloride, Sulfate Worksheet
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104	Specific Gravity Worksheet
105	Nitrate Worksheet
106	pH Worksheet
107	Specific Conductivity Worksheet
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110	TOC Raw Data
151	ATEL
154	TSS Worksheet
154	TOTAL PAGES

COVER PAGE - CLASSICALS ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Program: WIPP/GWMP

WIPP Sample No.
WQ1CR17N4
WQ1CR17N4D
WQ1CR17N5
WQ1CR17N5D
WQ1CR17N8
WQ1CR17N8D

[illegible]

Comments: Narrative Report is attached.

Yes **X**

No

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the Narrative Report. Release of data contained in this hardcopy data package (and in the data submitted on magnetic media, if data is submitted on magnetic media), has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

nature: Michael T. Ahl
date: 11/12/03

Name: Blair Leftwich
Title: Managing Director

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/04/03

WIPP Round No. 17

WIPP Well No. 1

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ1CR17N8	T16678		Alkalinity	48.0		9/9/03	SM 2320 B	4.0
WQ1CR17N8	T16678	7782-50-5	Chloride	35000		10/17/03	300.0	2.0
WQ1CR17N8	T16678		Density	1.04		9/9/03	ASTM D 854-92	N/A
WQ1CR17N8	T16678	7727-37-9	Nitrate (as N)	0.100	U	9/4/03	353.3	0.10
WQ1CR17N8	T16678		pH	7.10		9/4/03	150.1	4-10
WQ1CR17N8	T16678		Conductivity	83000		9/11/03	SM2510B	
WQ1CR17N8	T16678		Sulfate	4440		10/17/03	300.0	2
WQ1CR17N8	T16678		Total Dissolved Solids (TDS)	66500		9/10/03	160.1	10
WQ1CR17N5	T16672		Total Organic Carbon (TOC)	11.93		9/17/03	415.1	1.0
WQ1CR17N4	T16670		Total Organic Halogen (TOX)	3.90		9/16/03	5320B/9020B	0.005
WQ1CR17N8	T16678		Total Suspended Solids (TSS)	1.00	U	9/11/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOS/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/04/03

WIPP Round No. 17

WIPP Well No. 1

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ1CR17N5	T16672		Total Organic Carbon (TOC)	1.00	U	11/19/03	415.1	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

Sample re-ran due to contamination in original run.

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/04/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. <u>17</u>
WIPP Well No. <u>1</u>

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ1CR17N8D	T16679		Alkalinity	48.0		9/9/03	SM 2320 B	4.0
WQ1CR17N8D	T16679	7782-50-5	Chloride	34200		9/11/03	300.0	2.0
WQ1CR17N8D	T16679		Density	1.04		9/9/03	ASTM D 854-92	N/A
WQ1CR17N8D	T16679	7727-37-9	Nitrate (as N)	0.100	U	9/4/03	353.3	0.10
WQ1CR17N8D	T16679		pH	7.10		9/4/03	150.1	4-10
WQ1CR17N8D	T16679		Conductivity	83400		9/11/03	SM2510B	
WQ1CR17N8D	T16679		Sulfate	4660		9/11/03	300.0	2
WQ1CR17N8D	T16679		Total Dissolved Solids (TDS)	66700		9/10/03	160.1	10
WQ1CR17N5D	T16673		Total Organic Carbon (TOC)	1.97		9/17/03	415.1	1.0
WQ1CR17N4D	T223004		Total Organic Halogen (TOX)	3.10		9/16/03	5320B/9020B	0.005
WQ1CR17N8D	T16679		Total Suspended Solids (TSS)	1.00	U	9/11/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/04/03

WIPP Round No.	<u>17</u>
WIPP Well No.	<u>1</u>

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ1CR17N5D	T16673		Total Organic Carbon (TOC)	1.00	U	11/19/03	415.1	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

Sample re-ran due to contamination in original run.

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Program: WIPP/GWMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	48.0		48.0		0
Chloride	35000		34200		2
Density	1.04		1.04		0
Nitrate (as N)	0.100	U	0.100	U	0
pH	7.10		7.10		0
Conductivity	83000		83400		0
Sulfate	4440		4660		5
Total Dissolved Solids (TDS)	66500		66700		0
Total Organic Carbon (TOC)	11.93		1.97		143
Total Organic Halogen (TOX)	3.90		3.10		23
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Program: WIPP/GWMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Total Organic Carbon (TOC)	1.00	U	1.00	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>09/10/03</u>	<u>97500</u>	<u>108000</u>	<u>11400</u>	<u>118000</u>	<u>126000</u>		<u>113000</u>	<u>9.51</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>09/04/03</u>	<u>2.12</u>	<u>2.24</u>	<u>2.47</u>				<u>2.28</u>	<u>7.73</u>
<u>Sulfate</u>		<u>09/10/03</u>	<u>64900</u>	<u>71600</u>	<u>68900</u>	<u>74100</u>	<u>77700</u>		<u>71400</u>	<u>6.86</u>
<u>Total Organic Carbon (TOC)*</u>		<u>09/17/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

*TOC has a large y-intercept (due to lack of totally carbon free water) that prevents a good RSD value. If the blank was subtracted out then the RSD would be fine. The correlation is >0.995.

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	12.02	96
Chloride	7782-50-5	12.5	11.68	93
Nitrate (as N)	7727-37-9	0.160	0.150	94
pH		7.00	7.00	100
Conductivity		1409	1410	100
Sulfate		12.5	11.93	95
Total Dissolved Solids (TDS)		1000	1014	101
Total Organic Carbon (TOC)		5.00	4.33	87
Total Organic Halogen (TOX)		5.00	4.974	99

Comments

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
<u>Total Organic Carbon (TOC)</u>	<u></u>	<u>5.00</u>	<u>4.85</u>	<u>97</u>

Comments

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	244	98
Chloride	7782-50-5	12.5	11.56	92
Chloride	7782-50-5	12.5	11.37	91
Nitrate (as N)	7727-37-9	0.160	0.160	100
pH		7.00	7.00	100
Conductivity		1412	1410	100
Sulfate		12.50	11.98	96
Total Dissolved Solids (TDS)		1000	1017	102
Total Organic Carbon (TOC)		5.00	4.99	100
TOX		5.0	5.27	105
Comments				

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
<u>Total Organic Carbon (TOC)</u>	<u></u>	<u>5.00</u>	<u>5.25</u>	<u>105</u>

Comments

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	41900	62500	98800	91
7782-50-5	Chloride	769	625	1280	82
7727-37-9	Nitrate (as N)	0	0.16	0.148	93
	Sulfate	707	625	1310	96
	Total Organic Carbon (TOC)	2.11	5.00	8.24	123

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	62500	99000	91	0
7782-50-5	Chloride	625	1290	83	1
7727-37-9	Nitrate (as N)	0.16	0.140	88	6
	Sulfate	625	1310	96	0
	Total Organic Carbon (TOC)	5.00	7.36	105	16

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
	Total Organic Carbon (TOC)	0.00	5.00	6.84	137

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
	Total Organic Carbon (TOC)	5.00	3.55	71	63

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	11.9	95
7782-50-5	Chloride	0.00	12.5	11.6	92
7727-37-9	Nitrate (as N)	0.00	0.16	0.156	98
	Sulfate	0.00	12.5	12.1	97
	Total Organic Carbon (TOC)	0.00	5.00	4.40	88

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	11.6	93	2
7782-50-5	Chloride	12.5	11.5	92	0
7727-37-9	Nitrate (as N)	0.16	0.152	95	3
	Sulfate	12.5	12.0	96	1
	Total Organic Carbon (TOC)	5.00	4.52	90	2

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
	Total Organic Carbon (TOC)	0.00	5.00	4.85	97

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
	Total Organic Carbon (TOC)	5.00	4.95	99	2

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.04	1.04	0
	TDS	66500	66700	0
	TSS	<1.00	<1.00	0
	pH	7.1	7.1	0
	Conductivity	83400	84000	1
	Alkalinity	48	50	4

Forms by ChemSW™ (707)864-0848;p/n11092;v6.2;11/1/97

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3090420

Page Numbers

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18	Interference Check (Form 2A)
19	Blank (3)
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21	Matrix Sample Duplicate (Form 6)
22	LCS Duplicate (Form 6)
23	Laboratory Control Sample (Form 7)
24	ICP Serial Dilution (9)
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TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16676

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16676

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1680		09/10/03		0.5	P
7439-95-4	Magnesium	1080		09/10/03		0.5	P
7440-09-7	Potassium	825		09/10/03		0.5	P
7440-23-5	Sodium	17800		09/10/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16677

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR176N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16677

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1650		09/10/03		0.5	P
7439-95-4	Magnesium	1040		09/10/03		0.5	P
7440-09-7	Potassium	850		09/10/03		0.5	P
7440-23-5	Sodium	17800		09/10/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N12

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16680

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N12

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16680

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	2.5	U	09/10/03		0.5	P
7439-95-4	Magnesium	2.5	U	09/10/03		0.5	P
7440-09-7	Potassium	2.5	U	09/10/03		0.5	P
7440-23-5	Sodium	21.3		09/10/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N12D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16681

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N12D

ab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16681

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	2.5	U	09/10/03		0.5	P
7439-95-4	Magnesium	2.5	U	09/10/03		0.5	P
7440-09-7	Potassium	2.5	U	09/10/03		0.5	P
7440-23-5	Sodium	3.90		09/10/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
SAMPLE NO.

WQ1CR17N13

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16682

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N13

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16682

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	2.5	U	09/10/03		0.5	P
7439-95-4	Magnesium	2.5	U	09/10/03		0.5	P
7440-09-7	Potassium	2.5	U	09/10/03		0.5	P
7440-23-5	Sodium	2.5	U	09/10/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPPI SAMPLE NO.

WQ1CR17N13D

ab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16683

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/10/03		0.25	P
7440-38-2	Arsenic	0.10	U	10/10/03		0.10	P
7440-39-3	Barium	0.10	U	10/10/03		0.10	P
7440-41-7	Beryllium	0.01	U	10/10/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/10/03		0.01	P
7440-47-3	Chromium	0.025	U	10/10/03		0.025	P
7439-89-6	Iron	0.50	U	10/10/03		0.50	P
7439-92-1	Lead	0.05	U	10/10/03		0.05	P
7439-97-6	Mercury	0.0002	U	09/09/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/10/03		0.05	P
7782-49-2	Selenium	0.025	U	10/10/03		0.025	P
7440-22-4	Silver	0.025	U	10/10/03		0.025	P
7440-28-0	Thallium	0.025	U	10/10/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/10/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ1CR17N13D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Lab Sample ID: T16683

Date Received: 09/04/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	2.5	U	09/10/03		0.5	P
7439-95-4	Magnesium	2.5	U	09/10/03		0.5	P
7440-09-7	Potassium	2.5	U	09/10/03		0.5	P
7440-23-5	Sodium	2.5	U	09/10/03		0.5	P

Comments:

FORM I - IN

Forms by ChemSW(707)864-0845;p/n11014;v3.21;1/1/98

ILM02.0

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.10	U	0.10	U	0
Barium	0.10	U	0.10	U	0
Beryllium	0.01	U	0.01	U	0
Cadmium	0.01	U	0.01	U	0
Calcium	1680		1650		2
Chromium	0.025	U	0.025	U	0
Iron	0.50	U	0.50	U	0
Lead	0.05	U	0.05	U	0
Magnesium	1080		1040		4
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	825		850		3
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	17800		17800		0
Thallium	0.025	U	0.03	U	0
Vanadium	0.05	U	0.05	U	0

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.10	U	0.10	U	0
Barium	0.10	U	0.10	U	0
Beryllium	0.01	U	0.01	U	0
Cadmium	0.01	U	0.01	U	0
Calcium	2.5	U	2.5	U	0
Chromium	0.025	U	0.025	U	0
Iron	0.50	U	0.50	U	0
Lead	0.05	U	0.05	U	0
Magnesium	2.5	U	2.5	U	0
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	2.5	U	2.5	U	0
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	21.3		3.90		138
Thallium	0.025	U	0.025	U	0
Vanadium	0.05	U	0.05	U	0

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.10	U	0.10	U	0
Barium	0.10	U	0.10	U	0
Beryllium	0.01	U	0.01	U	0
Cadmium	0.01	U	0.01	U	0
Calcium	2.5	U	2.5	U	0
Chromium	0.025	U	0.025	U	0
Iron	0.50	U	0.50	U	0
Lead	0.05	U	0.05	U	0
Magnesium	2.5	U	2.5	U	0
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	2.5	U	2.5	U	0
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	2.5	U	2.5	U	0
Thallium	0.025	U	0.025	U	0
Vanadium	0.05	U	0.05	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Initial Calibration Source: ME030223-W4

Continuing Calibration Source: MW030223-W4

Initial Calibration Curve: ME030223-C2

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration			Found	%R(1)	M
	True	Found	%R(1)	True	Found	%R(1)			
Antimony	1.00	0.951	95	1.00	0.973	97			P
Arsenic	1.00	0.994	99	1.00	0.963	96			P
Barium	1.00	0.991	99	1.00	0.960	96			P
Beryllium	1.00	0.995	100	1.00	0.970	97			P
Cadmium	1.00	1.040	104	1.00	1.00	100			P
Cobalt	25	25.4	102	25	23.3	93			P
Chromium	1.00	1.03	103	1.00	1.00	100			P
Iron	1.00	1.02	102	1.00	0.985	99			P
Lead	1.00	0.996	100	1.00	0.963	96			P
Magnesium	25	25.1	100	25	23.5	94			P
Mercury	0.001	0.00107	107	0.001	0.001	100			CV
Nickel	1.00	1.00	100	1.00	0.957	96			P
Potassium	25	25.6	102	25	24.0	96			P
Selenium	1.00	0.998	100	1.00	0.951	95			P
Silver	0.125	0.127	102	0.125	0.121	97			P
Sodium	25	25.0	100	25	23.8	95			P
Thallium	1.00	1.02	102	1.00	0.959	96			P
Vanadium	1.00	0.979	98	1.00	0.952	95			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Initial Calibration Source: ME030223-W4

Continuing Calibration Source: ME030223-W4

Initial Calibration Curve: ME030223-C2

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	0.939	94
Arsenic	N/A	N/A	N/A	1.00	0.995	100
Barium	N/A	N/A	N/A	0.300	0.303	101
Beryllium	N/A	N/A	N/A	0.100	0.0942	94
Cadmium	N/A	N/A	N/A	0.300	0.314	105
Cesium	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.308	103
Iron	N/A	>120	N/A	12.5	>120	N/A
Lead	N/A	N/A	N/A	1.00	1.06	106
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.290	97
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.507	101
Silver	N/A	N/A	N/A	0.300	0.313	104
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.07	107
Vanadium	N/A	N/A	N/A	0.300	0.305	102

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)	C	Continuing Calibration Blank (mg/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ1CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	2.41	0.25	U 2.5	96		P
Arsenic	75-125	4.89	0.10	U 5.0	98		P
Barium	75-125	11.4	0.10	U 10.0	114		P
Beryllium	75-125	0.230	0.01	U 0.25	92		P
Cadmium	75-125	2.60	0.01	U 2.5	104		P
Calcium	75-125	2310	1680	500	126	N	P
Chromium	75-125	1.03	0.025	U 1.0	103		P
Iron	75-125	5.01	0.50	U 5.0	100		P
Lead	75-125	5.00	0.05	U 5.0	100		P
Magnesium	75-125	1670	1080	500	118		P
Mercury	75-125	0.00085	0.0002	U 0.001	85		CV
Nickel	75-125	2.46	0.05	U 2.5	98		P
Potassium	75-125	1340	825	500	103		P
Selenium	75-125	4.97	0.025	U 5.0	99		P
Silver	75-125	1.61	0.025	U 1.25	129	N	P
Sodium	75-125	20800	17800	500	600		P
Thallium	75-125	6.44	0.025	U 5.0	129	N	P
Vanadium	75-125	2.55	0.05	U 2.50	102		P

Comments:

N: MS recovery invalid due to matrix effects.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ1CR17N7

SDG No.: 3090420

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	2.41		2.13		12		P
Arsenic	25	4.89		4.88		0		P
Barium	25	11.4		11.3		1		P
Beryllium	25	0.230		0.228		1		P
Cadmium	25	2.60		2.55		2		P
Calcium	25	2310		2180		6		P
Chromium	25	1.03		1.02		1		P
Iron	25	5.01		5.04		1		P
Lead	25	5.00		4.94		1		P
Magnesium	25	1670		1600		4		P
Mercury	25	0.00085		0.00092		8		CV
Nickel	25	2.46		2.37		4		P
Potassium	25	1340		1240		8		P
Selenium	25	4.97		5.18		4		P
Silver	25	1.61		1.58		2		P
Sodium	25	20800		19400		7		P
Thallium	25	6.44		5.67		13		P
Vanadium	25	2.55		2.52		1		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ1CR17N7

SDG No.: 3090420

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.219		0.232		6		P
Arsenic	25	0.480		0.479		0		P
Barium	25	0.983		0.980		0		P
Beryllium	25	0.0245		0.0247		1		P
Cadmium	25	0.258		0.259		0		P
Calcium	25	96.4		94.4		2		P
Chromium	25	0.103		0.105		2		P
Iron	25	0.498		0.495		1		P
Lead	25	0.512		0.503		2		P
Magnesium	25	93.1		95.1		2		P
Mercury	25	0.00112		0.00102		9		P
Nickel	25	0.235		0.232		1		P
Potassium	25	97.7		99.6		2		P
Selenium	25	0.473		0.495		5		P
Silver	25	0.123		0.121		2		CV
Sodium	25	99.9		99.1		1		P
Thallium	25	0.484		0.542		11		P
Vanadium	25	0.257		0.255		1		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Solid LCS Source: _____

Aqueous LCS Source: ME030702-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	0.25	0.219	88					
Arsenic	0.50	0.480	96					
Barium	1.00	0.983	98					
Beryllium	0.025	0.0245	98					
Cadmium	0.25	0.258	103					
Calcium	100	96.4	96					
Chromium	0.10	0.103	103					
Iron	0.50	0.498	100					
Lead	0.50	0.512	102					
Magnesium	100	93.1	93					
Mercury	0.001	0.00112	112					
Nickel	0.25	0.235	94					
Potassium	100	97.7	98					
Selenium	0.50	0.473	95					
Silver	0.125	0.123	98					
Sodium	100	99.9	100					
Thallium	0.50	0.484	97					
Vanadium	0.25	0.257	103					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3090420

Page Numbers

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11	Water Volatile LCS/LCSD Recovery (Form 3A)
12	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
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14	Volatile Organic Instrument Performance Check (Form 5A)
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143	TOTAL PAGES

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N1

Lab Name: TraceAnalysis, Inc.SDG No.: 3090420Matrix: (soil/water) WaterLab Sample ID: T16664Sample wt/vol: 5 (g/mL) mLLab File ID: 0701007.DGC Column: DB-624 60mDate Received: 09/04/03Dilution Factor: 1Date Analyzed: 09/09/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N1D

Lab Name: TraceAnalysis, Inc.SDG No.: 3090420Matrix: (soil/water) WaterLab Sample ID: T16665Sample wt/vol: 5 (g/mL) mLLab File ID: 1001010.DGC Column: DB-624 60mDate Received: 09/04/03Dilution Factor: 1Date Analyzed: 09/09/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride	1.00	U	
74-83-9	Bromomethane	5.00	U	
75-69-4	Trichlorofluoromethane	1.00	U	
78-93-3	2-Butanone	5.00	U	
75-35-4	1,1-Dichloroethene	1.00	U	
75-09-2	Methylene Chloride	5.00	U	
75-34-3	1,1-Dichloroethane	1.00	U	
540-59-0	cis-1,2-Dichloroethene	1.00	U	
540-59-0	trans-1,2-Dichloroethene	1.00	U	
107-06-2	1,2-Dichloroethane	1.00	U	
67-66-3	Chloroform	1.00	U	
71-55-6	1,1,1-Trichloroethane	1.00	U	
56-23-5	Carbon Tetrachloride	1.00	U	
79-01-6	Trichloroethene	1.00	U	
108-88-3	Toluene	1.00	U	
79-00-5	1,1,2-Trichloroethane	1.00	U	
127-18-4	Tetrachloroethene	1.00	U	
108-90-7	Chlorobenzene	1.00	U	
108-38-3, 106-42-3	m&p-Xylene	1.00	U	
94-47-6	o-Xylene	1.00	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix: (soil/water) Water

Lab Sample ID: T166666

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1101011.D

GC Column: DB-624 60m

Date Received: 09/04/03

Dilution Factor: 1

Date Analyzed: 09/09/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix: (soil/water) Water

Lab Sample ID: T16667

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1201012.D

GC Column: DB-624 60m

Date Received: 09/04/03

Dilution Factor: 1

Date Analyzed: 09/10/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97
OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N3

Lab Name: TraceAnalysis, Inc.SDG No.: 3090420Matrix: (soil/water) WaterLab Sample ID: T16668Sample wt/vol: 5 (g/mL) mLLab File ID: 1301013.DGC Column: DB-624 60mDate Received: 09/04/03Dilution Factor: 1Date Analyzed: 09/10/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N3D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix: (soil/water) Water

Lab Sample ID: T16669

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1401014.D

GC Column: DB-624 60m

Date Received: 09/04/03

Dilution Factor: 1

Date Analyzed: 09/10/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride	1.00	U	
74-83-9	Bromomethane	5.00	U	
75-69-4	Trichlorofluoromethane	1.00	U	
78-93-3	2-Butanone	5.00	U	
75-35-4	1,1-Dichloroethene	1.00	U	
75-09-2	Methylene Chloride	5.00	U	
75-34-3	1,1-Dichloroethane	1.00	U	
540-59-0	cis-1,2-Dichloroethene	1.00	U	
540-59-0	trans-1,2-Dichloroethene	1.00	U	
107-06-2	1,2-Dichloroethane	1.00	U	
67-66-3	Chloroform	1.00	U	
71-55-6	1,1,1-Trichloroethane	1.00	U	
56-23-5	Carbon Tetrachloride	1.00	U	
79-01-6	Trichloroethene	1.00	U	
108-88-3	Toluene	1.00	U	
79-00-5	1,1,2-Trichloroethane	1.00	U	
127-18-4	Tetrachloroethene	1.00	U	
108-90-7	Chlorobenzene	1.00	U	
108-38-3, 106-42-3	m&p-Xylene	1.00	U	
94-47-6	o-Xylene	1.00	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3090420

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3090420

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3090420

COMPOUND	Conc ug/L Q		Conc ug/L Q		RPD
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	102	96	105		1
02	LCS	100	101	106		1
03	LCSD	100	97	105		1
04	T16664	100	93	107		1
05	MS	100	96	107		1
06	MSD	100	95	107		1
07	T16665	101	94	110		1
08	T16666	102	95	109		1
09	T16667	101	93	111		1
10	T16668	102	94	110		1
11	T16669	103	94	110		1

SMC1 (TOL) = Toluene-d8
SMC2 (BFM) = 4-Bromofluoromethane
SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS
(93-109)
(75-106)
(91-117)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3090420Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	116	116		70-130
Trichloroethene	100	0	92	92		70-130
Benzene	100	0	106	106		70-130
Toluene	100	0	103	103		70-130
Chlorobenzene	100	0	98	98		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	116	116		0		14	70-130
Trichloroethene	100	91	91		1		13	70-130
Benzene	100	105	105		1		14	70-130
Toluene	100	102	102		1		13	70-130
Chlorobenzene	100	97	97		1		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix Spike - WIPP Sample No.: WQ1CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	121	121		70-130
Trichloroethene	100	0	93	93		70-130
Benzene	100	0	110	110		70-130
Toluene	100	0	105	105		70-130
Chlorobenzene	100	0	99	99		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	117	117		3		14	70-130
Trichloroethene	100	93	93		3		13	70-130
Benzene	100	108	108		2		14	70-130
Toluene	100	104	104		1		13	70-130
Chlorobenzene	100	96	96		3		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ1CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID: 0601006.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 09/09/03

Time Analyzed: 20:22

J&W Scientific
GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	0301003.D	18:31
02	LCSD	LCSD	0401004.D	19:08
03	WQ1CR176N1	T16664	0701007.D	20:59
04	MS	MS	0801008.D	21:37
05	MSD	MSD	0901009.D	22:14
06	WQ1CR17N1D	T16665	1001010.D	22:51
07	WQ1CR17N2	T16666	1101011.D	23:29
08	WQ1CR17N2D	T16667	1201012.D	0:07
09	WQ1CR17N3	T16668	1301013.D	0:45
10	WQ1CR17N3D	T16669	1401014.D	01:22
11	CCV	CCV	0201002.D	17:54

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID: 0101001.D

BFB Injection Date: 09/09/03

Instrument ID: NV

BFB Injection Time: 17:38

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.4
75	30.0 - 66.0% of mass 95	47.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5
174	50.0 - 120.0% of mass 95	83.1
175	4.0 - 9.0% of mass 174	7.4
176	93.0 - 101.0% of mass 174	96.4
177	5.0 - 9.0% of mass 176	6.5

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	0201002.D	09/09/03	17:54
02	Blank	Blank	0601006.D	09/09/03	20:22
03	LCS	LCS	0301003.D	09/09/03	18:31
04	LCSD	LCSD	0401004.D	09/09/03	19:08
05	WQ1CR176N1	T16664	0701007.D	09/09/03	20:59
06	MS	MS	0801008.D	09/09/03	21:37
07	MSD	MSD	0901009.D	09/09/03	22:14
08	WQ1CR17N1D	T16665	1001010.D	09/09/03	22:51
09	WQ1CR17N2	T16666	1101011.D	09/09/03	23:29
10	WQ1CR17N2D	T16667	1201012.D	09/10/03	0:07
11	WQ1CR17N3	T16668	1301013.D	09/10/03	0:45
12	WQ1CR17N3D	T16669	1401014.D	09/10/03	01:22

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATALab Name: TraceAnalysis, Inc.SDG No.: 3090420Instrument ID: NVCalibration Date(s): 08/23/03Heated Purge:(Y/N) NCalibration Times: 11:44GC Column: J&W Scientific
DB-624 60mID: 0.25 (mm)LAB FILE ID: RRF1 = 0201002.D RRF5 = 0301003.D
RRF10 = 0401004.D RRF50 = 0501005.D RRF100 = 0601006.D
RRF150 = 0801008.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.398	0.423	0.400	0.410	0.432	0.447	0.422	4.80
Trichlorofluoromethane	0.580	0.594	0.541	0.539	0.564	0.602	0.576	5.12
1,1-Dichloroethene	0.400	0.382	0.358	0.388	0.388	0.392	0.386	3.47
Methylene Chloride		0.516	0.442	0.446	0.446	0.450	0.457	6.29
1,1-Dichloroethane	0.751	0.804	0.722	0.783	0.657	0.535	0.687	15.68
1,2-Dichloroethane	0.573	0.610	0.561	0.617	0.623	0.618	0.603	4.17
Chloroform	0.830	0.784	0.705	0.757	0.744	0.714	0.749	6.16
1,1,1-Trichloroethane	0.563	0.621	0.556	0.659	0.668	0.675	0.632	8.36
Carbon Tetrachloride	0.276	0.327	0.309	0.397	0.419	0.421	0.368	17.09
Trichloroethene	0.341	0.310	0.283	0.311	0.312	0.303	0.309	5.54
Toluene	1.292	1.211	1.111	1.210	1.207	1.169	1.194	4.71
1,1,2-Trichloroethane	0.230	0.252	0.239	0.255	0.256	0.253	0.248	3.91
Tetrachloroethene	0.360	0.439	0.354	0.367	0.478	0.387	0.406	12.60
Chlorobenzene	0.914	0.890	0.819	0.885	0.891	0.878	0.877	3.40
m&p-Xylene	1.048	1.134	1.046	1.140	1.124	1.095	1.094	3.64
o-Xylene	1.027	1.169	1.098	1.181	1.152	1.120	1.120	4.75
1,1,2,2-Tetrachloroethane	0.320	0.369	0.352	0.385	0.374	0.395	0.368	6.81
1,4-Dichlorobenzene	1.172	1.195	1.114	1.244	1.267	1.274	1.218	4.94
1,2-Dichlorobenzene	1.030	1.134	1.043	1.173	1.205	1.208	1.141	6.66
Toluene-d8	1.267	1.284	1.280	1.271	1.255	1.270	1.269	0.83
4-Bromofluorobenzene	0.471	0.479	0.480	0.481	0.471	0.492	0.479	1.48
Dibromofluoromethane	0.455	0.460	0.453	0.458	0.437	0.410	0.440	5.38

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Instrument ID: NV

Calibration Date(s): 3/26/02

Heated Purge:(Y/N) N

Calibration Times: 23:59

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECKLab Name: TraceAnalysis, Inc.SDG No.: 3090420Instrument ID: NV Calibration Date: 08/23/03Lab File ID: 0201002.D Init. Calib. Date(s): 09/09/03Heated Purge: (Y/N) N Init. Calib. Times: 17:54GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.422	0.423	0.100	-0.2	25.0
Trichlorofluoromethane	0.576	0.709		-23.1	
1,1-Dichloroethene (CM)	0.386	0.441	0.100	-14.2	25.0
1,1,2-Dichloroethene	0.457	0.506		-10.7	
1,2-Dichloroethane (P)	0.687	0.888	0.200	-29.3	25.0
cis-1,2-Dichloroethene	0.434	0.494		-13.8	
1,2-Dichloroethane	0.603	0.637	0.100	-5.6	25.0
Chloroform	0.749	0.824	0.200	-10.0	25.0
1,1,1-Trichloroethane	0.632	0.676	0.100	-7.0	25.0
Carbon Tetrachloride	0.368	0.277	0.100	24.7	25.0
Trichloroethene	0.309	0.291	0.300	5.8	25.0
Toluene	1.194	1.172	0.400	1.8	25.0
1,1,2-Trichloroethane	0.248	0.251	0.100	-1.2	25.0
Tetrachloroethene	0.406	0.338	0.200	16.7	25.0
Chlorobenzene	0.877	0.817	0.500	6.8	25.0
m,p-Xylene	1.094	1.098		-0.4	
o-Xylene	1.120	1.136		-1.4	
1,1,2,2-Tetrachloroethane	0.368	0.378	0.500	-2.7	25.0
1,4-Dichlorobenzene	1.218	1.099		9.8	
1,2-Dichlorobenzene	1.141	1.105		3.2	
Toluene-d8	1.269	1.279		-0.8	
4-Bromofluorobenzene	0.479	0.499	0.200	-4.2	25.0
Dibromofluoromethane	0.440	0.459	0.100	-4.3	25.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Instrument ID: NV Calibration Date: 03/26/02

Lab File ID: 0501005.D Init. Calib. Date(s): 09/09/03

Heated Purge: (Y/N) N Init. Calib. Times: 19:45

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.026	0.010	-18.2	25.0
Toluene-d8			0.200		25.0
4-Bromofluorobenzene			0.100		25.0
Dibromofluoromethane					

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID (Standard): 0201002.D

Date Analyzed: 09/09/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 17:54

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	565898	10.77	892750	11.77	799201	15.79	393789	19.21
UPPER LIMIT	1131796	11.27	1785500	12.27	1598402	16.29	787578	19.71
LOWER LIMIT	282949	10.27	446375	11.27	399601	15.30	196895	18.72
LAB SAMPLE NO.								
METHOD BLK	546806	10.77	890573	11.77	793818	15.79	336413	19.22
LCS	561896	10.77	906878	11.77	820801	15.79	366568	19.22
LCSD	564786	10.77	922821	11.78	828695	15.78	350219	19.22
T16664	534314	10.77	875873	11.78	785892	15.78	334587	19.22
MS	536874	10.77	877531	11.79	783707	15.78	334095	19.22
MSD	536803	10.77	882099	11.79	794424	15.79	336857	19.22
T16665	525040	10.77	864996	11.79	767070	15.78	319385	19.22
T16667	507409	10.77	845123	11.78	745094	15.78	315502	19.22
T16668	500535	10.77	830536	11.79	731826	15.79	301810	19.22

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID (Standard): 0501005.D

Date Analyzed: 09/09/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 19:45

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	556524	10.77	910808	11.78	819885	15.78	345498	19.22
UPPER LIMIT	1113048	11.27	1821616	12.28	1639770	16.28	690996	19.72
LOWER LIMIT	278262	10.27	455404	11.28	409943	15.29	172749	18.72
LAB SAMPLE NO.								
METHOD BLK	546806	10.77	890573	11.77	793818	15.79	336413	19.22
T16666	521202	10.77	858557	11.78	753032	15.78	320362	19.22
T16667	507409	10.77	845123	11.78	745094	15.78	315256	19.22

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3090420

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N6

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix: (soil/water) Water

Lab Sample ID: 16674

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 0601006.D

% Moisture: NA decanted:(Y/N) N

Date Received: 09/04/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 09/10/03

Injection Volume: 1.0 (uL)

Date Analyzed: 09/15/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
---------	----------	---	------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845; p/n11013; v3.2; 11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ1CR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix: (soil/water) Water

Lab Sample ID: 16675

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 0901009.D

% Moisture: NA decanted:(Y/N) N

Date Received: 09/04/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 09/10/03

Injection Volume: 1.0 (uL)

Date Analyzed: 09/15/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
110-86-1	Pyridine	5	U	
106-46-7	1,4-Dichlorobenzene	5	U	
95-50-1	1,2-Dichlorobenzene	5	U	
95-48-7	2-Methylphenol	5	U	
106-44-5	4-Methylphenol	5	U	
67-72-1	Hexachloroethane	5	U	
98-95-3	Nitrobenzene	5	U	
51-28-5	2,4-Dinitrophenol	5	U	
121-14-2	2,4-Dinitrotoluene	5	U	
118-74-1	Hexachlorobenzene	5	U	
87-86-5	Pentachlorophenol	5	U	

FORM I SV-1

Forms by ChemSW(707)864-0845; p/n11013; v3.2; 11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	50	48	59	26	34	16 *	1
02	LCS	72	73	72	34	44	6 *	1
03	LCSD	72	76	69	34	44	1 *	1
	16674	55	49	53	23	30	2 *	1
05	MS	73	69	66	31	42	1 *	1
06	MSD	73	70	65	30	42	2 *	1
07	16675	55	52	56	20	28	1 *	1

S1 (NBZ) = Nitrobenzene-d5
S2 (FBP) = 2-Fluorobiphenyl
S3 (TPH) = Terphenyl-d14
S4 (PHL) = Phenol-d5
S5 (2FP) = 2-Fluorophenol
S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
(7-138)
(15-135)
(45-162)
(0-68)
(0-94)
(45-152)

Column to be used to flag recovery values

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix Spike - WIPP Sample No.: MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Pyridine	80000	0	12500	16	D-63
1,4-Dichlorobenzene	80000	0	55600	70	25-88
1,2-Dichlorobenzene	80000	0	57600	72	26-115
2-Methylphenol	80000	0	46800	59	19-91
4-Methylphenol/3-Methylphenol	80000	0	44700	56	22-119
Hexachloroethane	80000	0	56500	71	20-101
Nitrobenzene	80000	0	59800	75	18-150
2,4-Dinitrophenol	80000	0	81900	102	12-145
2,4-Dinitrotoluene	80000	0	64900	81	25-130
Hexachlorobenzene	80000	0	125000	156 *	D-152
Pentachlorophenol	80000	0	64300	80	D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Pyridine	80000	14600	18	12	20 D-63
1,4-Dichlorobenzene	80000	54800	69	1	20 25-88
1,2-Dichlorobenzene	80000	56300	70	8	20 26-115
2-Methylphenol	80000	45000	56	5	20 19-91
4-Methylphenol/3-Methylphenol	80000	43200	54	4	20 22-119
Hexachloroethane	80000	55600	70	1	20 20-101
Nitrobenzene	80000	59900	75	0	20 18-150
2,4-Dinitrophenol	80000	83100	104	2	20 12-145
2,4-Dinitrotoluene	80000	64600	81	0	20 25-130
Hexachlorobenzene	80000	125000	156 *	10	20 D-152
Pentachlorophenol	80000	65500	82	2	20 D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

REMARKS:

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC	QC. LIMITS REC.
Pyridine	80000	0	19900	26	D-63
1,4-Dichlorobenzene	80000	0	55100	69	25-88
1,2-Dichlorobenzene	80000	0	56300	70	26-115
2-Methylphenol	80000	0	45900	57	19-91
4-Methylphenol/3-Methylphenol	80000	0	45200	57	22-119
Hexachloroethane	80000	0	55000	69	20-101
Nitrobenzene	80000	0	57800	72	18-150
2,4-Dinitrophenol	80000	0	87600	110	12-145
2,4-Dinitrotoluene	80000	0	68900	86	25-130
Hexachlorobenzene	80000	0	124000	155 *	D-152
Pentachlorophenol	80000	0	64600	81	D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD REC.
Pyridine	80000	21400	27	13	20 D-63
1,4-Dichlorobenzene	80000	55200	69	0	20 25-88
1,2-Dichlorobenzene	80000	56900	71	1	20 26-115
2-Methylphenol	80000	47500	59	3	20 19-91
4-Methylphenol/3-Methylphenol	80000	46300	58	2	20 22-119
Hexachloroethane	80000	55200	69	9	20 20-101
Nitrobenzene	80000	58200	73	16	20 18-150
2,4-Dinitrophenol	80000	80200	100	10	20 12-145
2,4-Dinitrotoluene	80000	62200	78	10	20 25-130
Hexachlorobenzene	80000	128000	160 *	3	20 D-152
Pentachlorophenol	80000	63900	80	1	20 D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

REMARKS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID: 0301003.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 09/10/03

Matrix: (soil/water) Water

Date Analyzed: 09/15/03

Time Analyzed: 16:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	0401004.D	09/15/03
02	LCSD	LCSD	0501005.D	09/15/03
03	WQ6CR17N6	16674	0601006.D	09/15/03
04	WQ6CR17N6MS	MS	0701007.D	09/15/03
05	WQ6CR17N6MSD	MSD	0801008.D	09/15/03
06	WQ6CR17N6D	16675	0901009.D	09/15/03

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID: 0101001.D

DFTPP Injection Date: 09/15/03

Instrument ID: NS

DFTPP Injection Time: 15:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	44.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	55.0
70	Less than 2.0% of mass 69	0.0
127	25.0 - 75.0% of mass 198	47.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 0.75% of mass 198	2.0
441	Present, but less than mass 443	21.6
442	40.0 - 110.0% of mass 198	77.9
443	15.0 - 24.0% of mass 442	19.3

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0201002.D	09/15/03	16:05
02	METHOD BLANK	METHOD BLANK	0301003.D	09/15/03	16:42
03	LCS	LCS	0401004.D	09/15/03	17:19
04	LCSD	LCSD	0501005.D	09/15/03	17:56
05	WQ6CR17N6	16674	0601006.D	09/15/03	18:32
06	WQ6CR17N6MS	MS	0701007.D	09/15/03	19:09
07	WQ6CR17N6MSD	MSD	0801008.D	09/15/03	19:46
08	WQ6CR17N6D	16675	0901009.D	09/15/03	20:23

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Instrument ID: NS Calibration Date(s) 09/11/03

Calibration Times: 12:06

LAB FILE ID:	RRF5 = 0201003.D	RRF20 = 0301004.D
RRF40 = 0501006.D	RRF60 = 0601007.D	RRF80 = 0701008.D
RRF100 = 0401005.D		

COMPOUND	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	* 1.589	1.581	1.401	1.390	1.369	1.454	1.464	6.68
1,4-Dichlorobenzene	* 1.507	1.545	1.476	1.470	1.422	1.486	1.484	2.76
1,2-Dichlorobenzene	* 1.429	1.439	1.361	1.355	1.302	1.383	1.378	3.69
2-Methylphenol	* 1.601	1.557	1.469	1.483	1.480	1.586	1.529	3.85
4-Methylphenol	* 1.676	1.619	1.517	1.512	1.518	1.565	1.568	4.28
Hexachloroethane	* 0.657	0.664	0.626	0.634	0.589	0.611	0.630	4.47
Nitrobenzene	* 0.432	0.414	0.393	0.405	0.398	0.422	0.411	3.61
2,4-Dinitrophenol			0.072	0.069	0.069	0.073	0.071	2.71
2,4-Dinitrotoluene	* 0.442	0.469	0.456	0.458	0.380	0.397	0.434	8.40
Hexachlorobenzene	* 0.159	0.174	0.212	0.218	0.211	0.195	0.209	4.77
Pentachlorophenol			0.177	0.186	0.183	0.205	0.181	8.43
Nitrobenzene-d5	0.430	0.433	0.477	0.432	0.423	0.445	0.440	4.37
2-Fluorobiphenyl	* 1.321	1.311	1.435	1.286	1.236	1.307	1.316	4.99
Terphenyl-d14	* 1.073	1.105	1.167	1.042	0.967	1.076	1.072	6.20
Phenol-d5	2.008	2.010	2.194	1.964	1.931	1.953	2.010	4.74
2-Fluorophenol	* 1.511	1.569	1.707	1.530	1.476	1.623	1.569	5.37
2,4,6-Tribromophenol	0.159	0.170	0.191	0.169	0.159	0.174	0.170	7.07

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Instrument ID: NS Calibration Date: 09/11/03 12:06
Lab File ID: 0201002.D Init. Calib. Date(s): 09/15/03
Init. Calib. Times: 16:05

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.464	1.362		7.0	
1,4-Dichlorobenzene	1.484	1.453	0.500	2.1	25.0
1,2-Dichlorobenzene	1.378	1.353		1.8	
2-Methylphenol	1.529	1.481	0.700	3.1	25.0
4-Methylphenol	1.568	1.526	0.600	2.7	25.0
Hexachloroethane	0.630	0.617	0.300	2.1	25.0
Nitrobenzene	0.411	0.406	0.200	1.2	25.0
2,4-Dinitrophenol	0.071	0.118		-66.2	
2,4-Dinitrotoluene	0.434	0.441	0.200	-1.6	25.0
Hexachlorobenzene	0.209	0.186	0.100	11.0	25.0
Pentachlorophenol	0.181	0.189	0.050	-4.4	25.0
Nitrobenzene-d5	0.440	0.429	0.200	2.5	25.0
2-Fluorobiphenyl	1.316	1.304	0.700	0.9	25.0
Terphenyl-d14	1.072	1.012	0.500	5.6	25.0
Phenol-d6	2.010	1.716	0.800	14.6	25.0
2-Fluorophenol	1.569	1.527	0.600	2.7	25.0
2,4,6-Tribromophenol	0.170	0.167		1.8	25.0

All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID (Standard): 0201002.D

Date Analyzed: 09/15/03

Instrument ID: NS

Time Analyzed: 16:05

	IS1 (DCB)			IS2 (NPT)		IS3 (ANT)		
	AREA	#	RT	AREA	#	AREA	#	RT
12 HOUR ST	1335071		7.73	4892892		2623073		13.92
UPPER LIMI	2670142		8.23	9785784		5246146		14.42
LOWER LIMI	667536		7.23	2446446		1311537		13.42
SAMPLE NO.								
01 method blan	1675803		7.71	6211964		3444058		13.90
02 lcs	1344018		7.72	5077382		2755004		13.91
03 lcsd	1428042		7.72	5524985		2775938		13.91
04 16674	1592145		7.70	6059268		3242274		13.90
05 MS	1527154		7.72	5877397		3124047		13.92
06 MSD	1587009		7.71	5947072		3053833		13.92
07 16675	1184098		7.70	4446257		2408448		13.89

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3090420

Lab File ID (Standard): 0201002.D

Date Analyzed: 09/15/03

Instrument ID: NS

Time Analyzed: 16:05

	IS4 (PHN)			IS5 (CRY)			IS6 (PRY)		
	AREA	#	RT	AREA	#	RT	AREA	#	RT
12 HOUR ST	3350607		16.22	2437608		19.87	2057737		22.08
UPPER LIM	6701214		16.72	4875216		20.37	4115474		22.58
LOWER LIM	1675304		15.72	1218804		19.37	1028869		21.58
SAMPLE NO.									
01 method blan	4554726		16.20	3572631		19.85	2808152		22.05
02 lcs	3607979		16.22	2705688		19.87	2259789		22.08
03 lcsd	3266633		16.22	2496189		19.87	2086905		22.07
04 16674	4291368		16.19	3280587		19.84	2685631		22.06
05 MS	3841764		16.22	2838223		19.87	2181206		22.08
06 MSD	3795523		16.22	2978922		19.87	2480945		22.09
07 16675	3272209		16.19	2544823		19.84	2044820		22.04

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3090420

Page Numbers

<u>From</u>	<u>Document Description</u>
2	Request For Analysis
4	Chain-of-Custody
5	TOTAL PAGES

16664-83

REQUEST FOR ANALYSIS

3040720
RFA Control No.
C of C Control No.6450
6450WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078DATE SAMPLES SHIPPED 9/4/03
LAB DESTINATION Trace Analysis
LABORATORY CONTACT James Taylor
SEND LAB REPORT TO Mark Edwards
P.O. Box 2078
Carlsbad, N.M., 88221SAMPLING PROGRAM WIPP/DMP
PURCHASE ORDER NO. 3230DATE REPORT REQUIRED 10/4/03
PROJECT CONTACT Ron Richardson
PROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
WQICR17N1	GROUND Water	40 ml. x 4	HCL pH2	VOC	Method 8260
WQICR17N1D	16665	40 ml. x 4	↑	VOC	↑
WQICR17N2	16666	40 ml. x 2	↑	VOC (other)	↑
WQICR17N2D	16667	40 ml. x 2	↑	VOC (other)	↑
WQICR17N3	68	40 ml. x 4	↓	VOC Trip Blank	↓
WQICR17N3D	69	40 ml. x 4	HCL pH2	VOC Trip Blank	Method 8260
WQICR17N4	70	500 ml. x 1	H2SO4 pH2	TOX	Method 9020B
WQICR17N4D	71	500 ml. x 1	H2SO4 pH2	TOX	Method 9020B
WQICR17N5	72	250 ml. x 1	HCL pH2	TOC	Method 415.1
WQICR17N5D	73	250 ml. x 1	HCL pH2	TOC	Method 415.1
WQICR17N6	74	1 liter x 6	NONE	Semi-Volatiles	Method 8270
WQICR17N6D	75	1 liter x 2	NONE	Semi-Volatiles	Method 8270
WQICR17N7	GROUND Water	1 liter x 1	HNO3 pH2	Metals	Method 6010

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY

Dicki DunsleyDATE/TIME 9-4-03 1:20

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

Carlynn 30
9/10SECTION V
Page 1

REQUEST R ANALYSIS

RFA Control No. 6451
C of C Control No. 6451WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078DATE SAMPLES SHIPPED 9/4/03
LAB DESTINATION Trace Analysis
LABORATORY CONTACT James Taylor
SEND LAB REPORT TO Mark Edwards AF
P.O. Box 3230 2078 9/13/03
Carlsbad, N.M. 88221SAMPLING PROGRAM WIPP/ DMP
PURCHASE ORDER NO. 3230DATE REPORT REQUIRED 10/4/03
PROJECT CONTACT Ron Richardson
PROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req'd. Testing Program	Special Instructions
WQICR17N7D	GROUND Water	1 liter x 1	HNO ₃ pH<2	Metals	Method 6010
WQICR17N8	16677 ↑	↑	NONE	General Chemistry	EPA 300, 310.1, 0854-92
WQICR17N8D	16679	↑	NONE	General Chemistry	EPA 345.1, 365.2
WQICR17N12	16680	↑	HNO ₃ pH<2	Metals	150.1, 120.1, 160.1, 160.2
WQICR17N12D	16681	↑	HNO ₃ pH<2	Metals	Method 6010
WQICR17N13	16682 ↓	↓	NONE	Metals	↑
WQICR17N13D	GROUND Water	1 liter x 1	NONE	Metals	Method 6010

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL X RUSH _____ (Subject to rush surcharge)
POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
NONHAZARD X FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____
SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB X (Please Specify)

FOR LAB USE ONLY

RECEIVED BY Victi DinsleyDATE/TIME 9-4-03 1:20

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

Carry in 30 min

SECTION V
Page 2

CHAIN-OF-CUSTODY RECORD



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6450
RFA Control No. 6450

SAMPLING PROGRAM WIPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQICR17N1	WQSP-1, Culebra	9/4/03 07:40-07:45	Ground Water	40 ml. A-Glassx4	good	NA
WQICR17N1D	↑	07:45-07:50	↑	40 ml. A-Glassx4		
WQICR17N2	↑	07:50-07:55		40 ml. A-Glassx2		
WQICR17N2D		07:55-08:00		40 ml. A-Glassx2		
WQICR17N3		07:05-07:10		40 ml. A-Glassx4		
WQICR17N3D		07:10-07:15		40 ml. A-Glassx4		
WQICR17N4		08:00-08:05		500 ml. A-Glassx1		
WQICR17N4D		08:05-08:10		500 ml. A-Glassx1		
WQICR17N5		08:10-08:15		250 ml. A-Glassx1		
WQICR17N5D		08:15-08:20		250 ml. A-Glassx1		
WQICR17N6		08:20-08:25		1 liter A-Glassx6		
WQICR17N6D	↓	08:25-08:30	↓	1 liter A-Glassx2		
WQICR17N7	WQSP-1, Culebra	9/4/03 08:30-08:35	Ground Water	1 liter plasticx1		

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 9/4/03, 13:20 3. Relinquished By: _____

Received By: Dick Dinsley, 9-4-03 13:20 Received By: _____

2. Relinquished By: _____ 4. Relinquished By: _____

Received By: _____ Received By: _____

CHAIN-OF-CUSTODY RECORD



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6451
RFA Control No. 6451

SAMPLING PROGRAM WIPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Belderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. N/A

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQICR17N7D	WQSP-1, Colebra	9/4/03 08:35-08:40	Ground Water	1 liter plastic	Good	
WQICR17N8	↑	08:40-08:45	↑	1 liter plastic		
WQICR17N8D		08:45-08:50				
WQICR17N12		07:20-07:25				
WQICR17N12D		07:25-07:30				
WQICR17N13	↓	07:30-07:35	↓			
WQICR17N13D	WQSP-1, Colebra	9/4/03 07:35-07:40	Ground Water	1 liter plastic		
N/A						

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 9/4/03, 13:20

3. Relinquished By: _____

Received By: Vicki Dumbly 9-4-03 13:20

Received By: _____

2. Relinquished By: _____

4. Relinquished By: _____

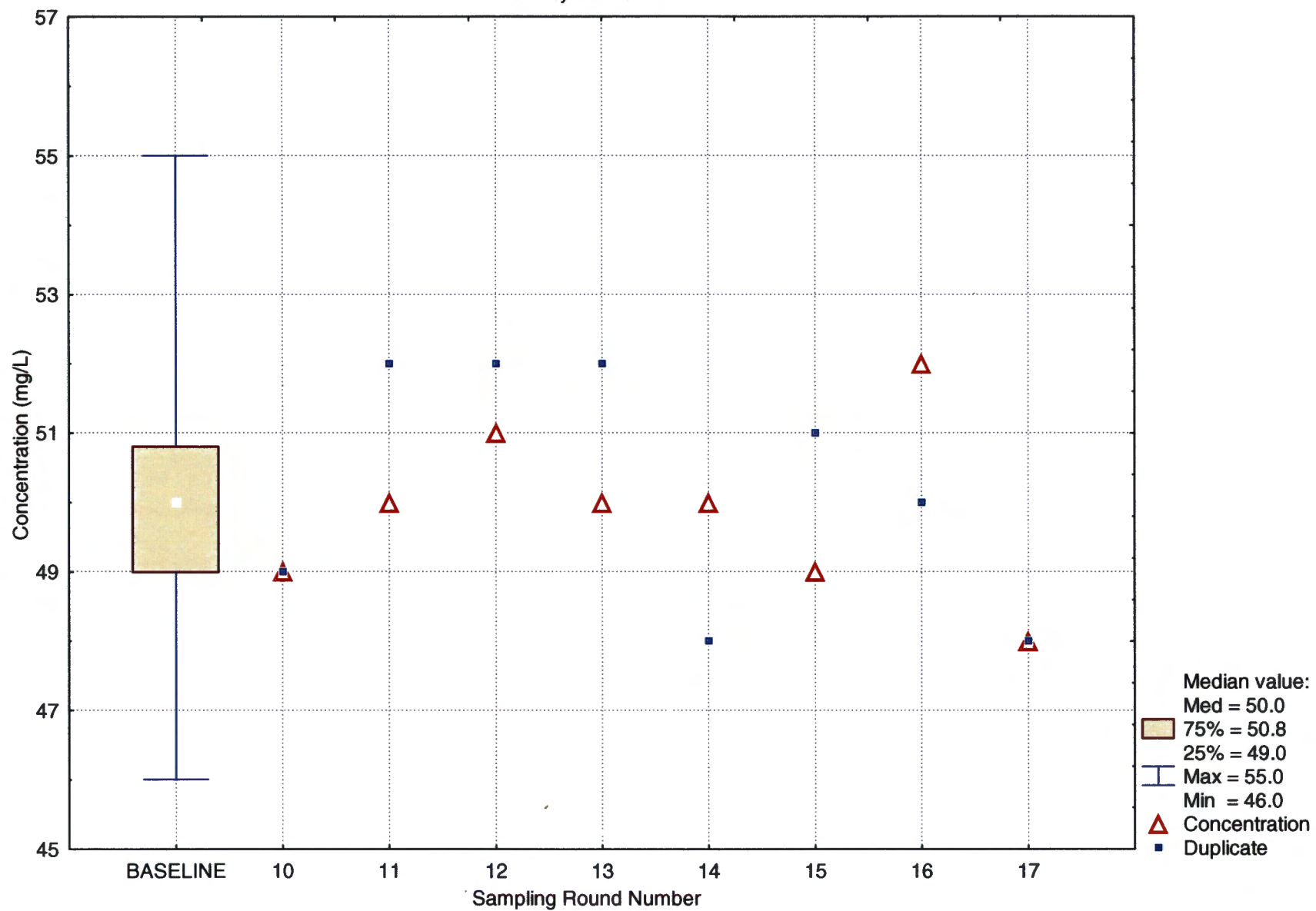
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Received By: _____

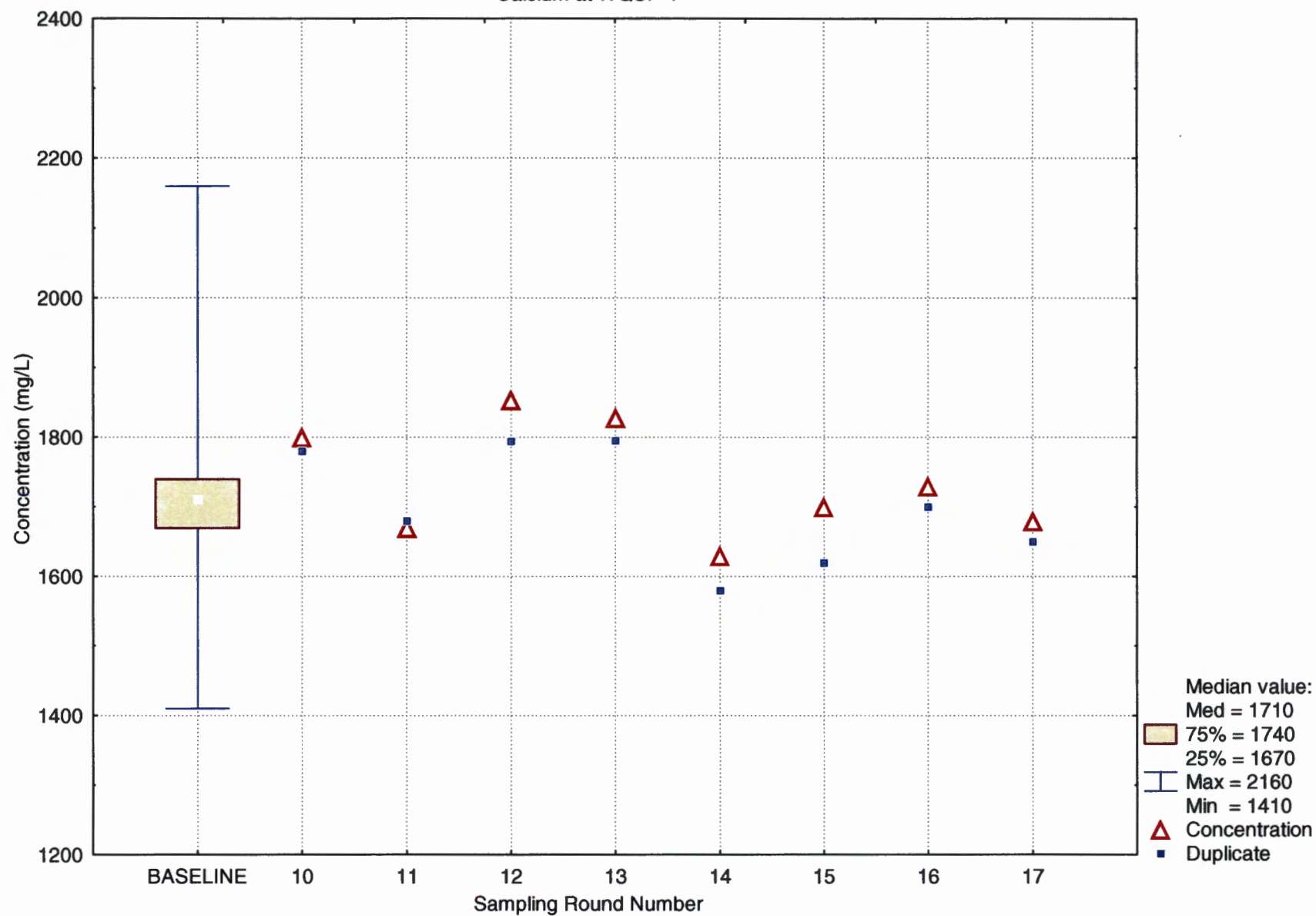
WELL WQSP-1

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

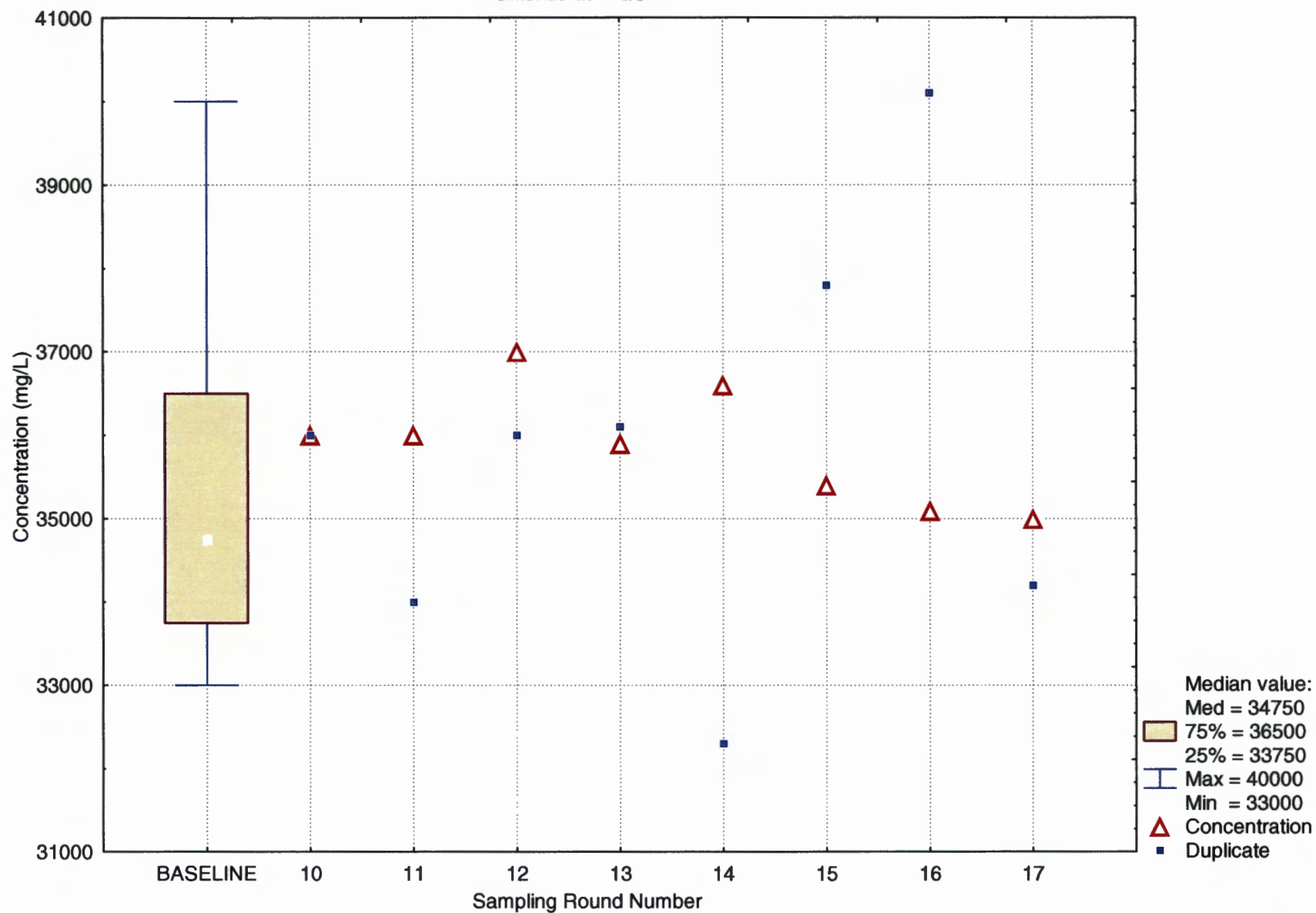
Alkalinity at WQSP-1



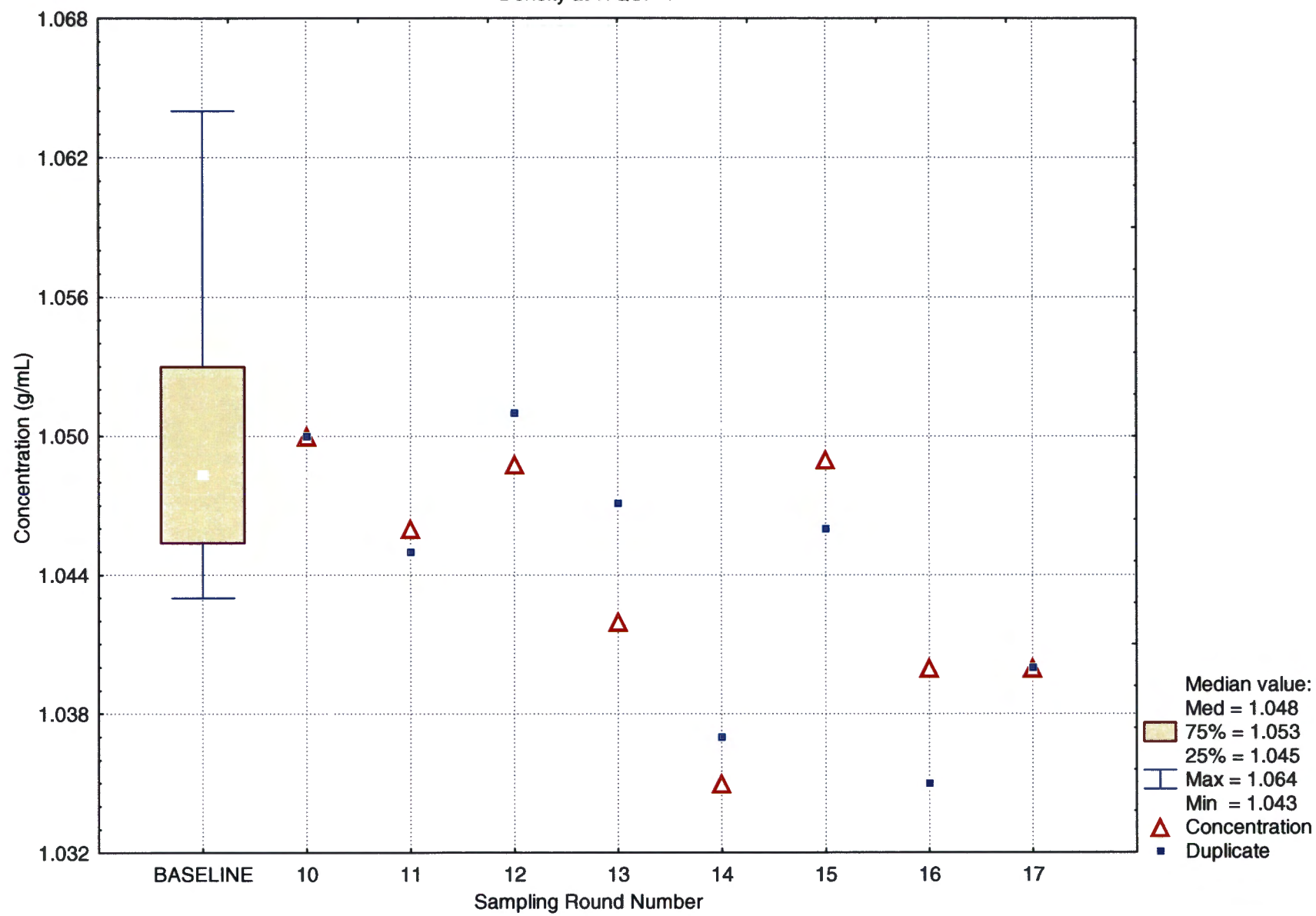
Calcium at WQSP-1



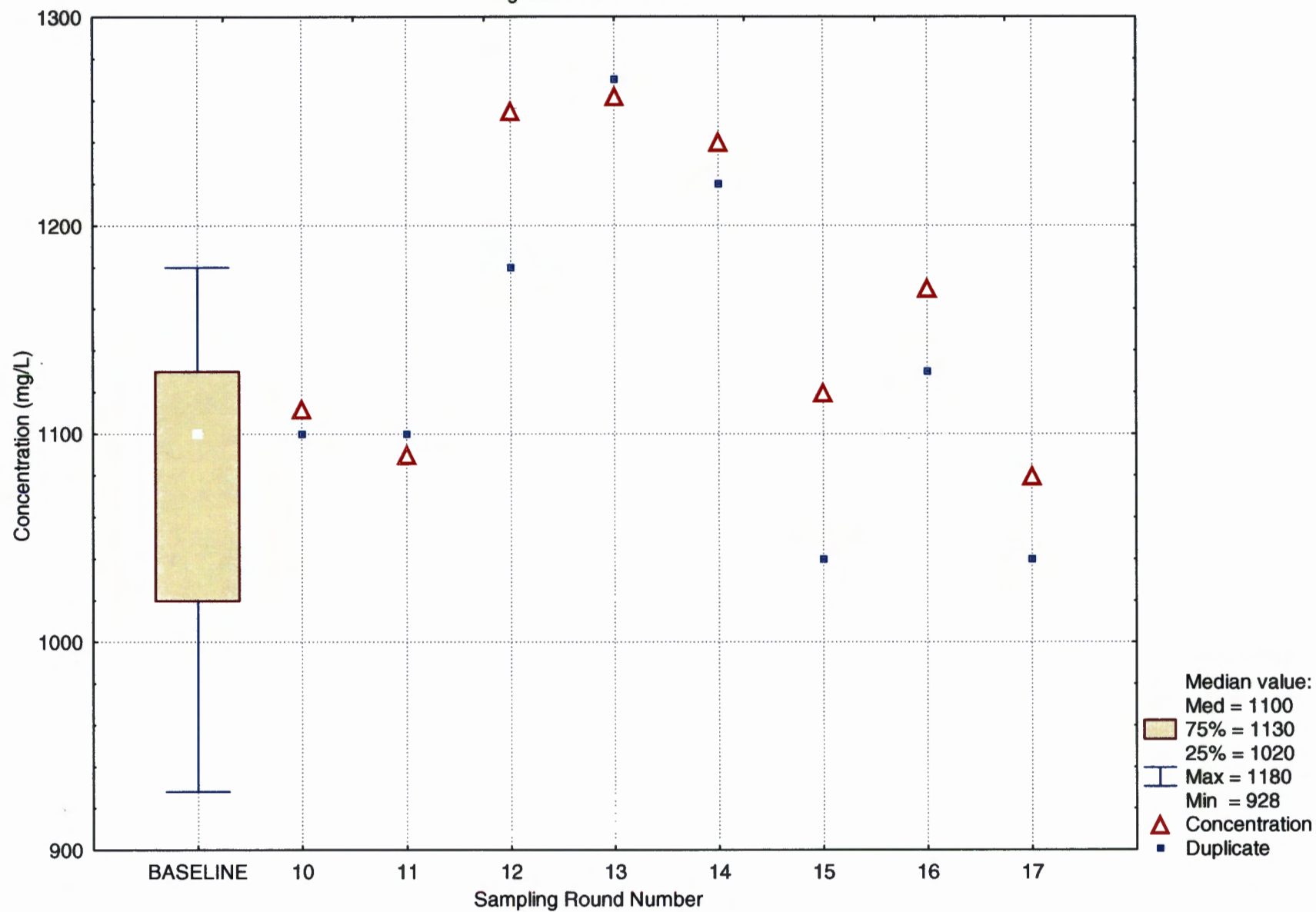
Chloride at WQSP-1

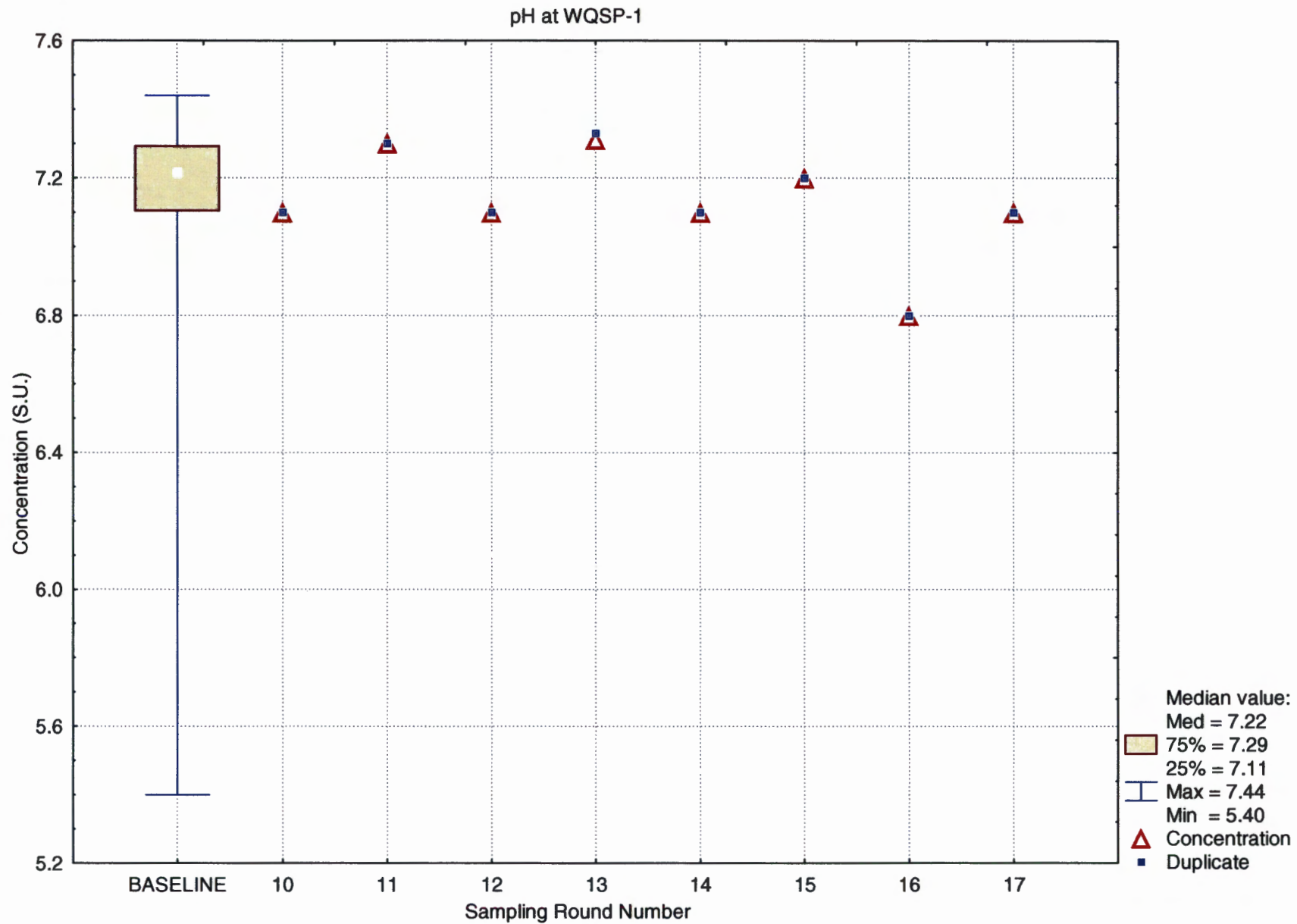


Density at WQSP-1

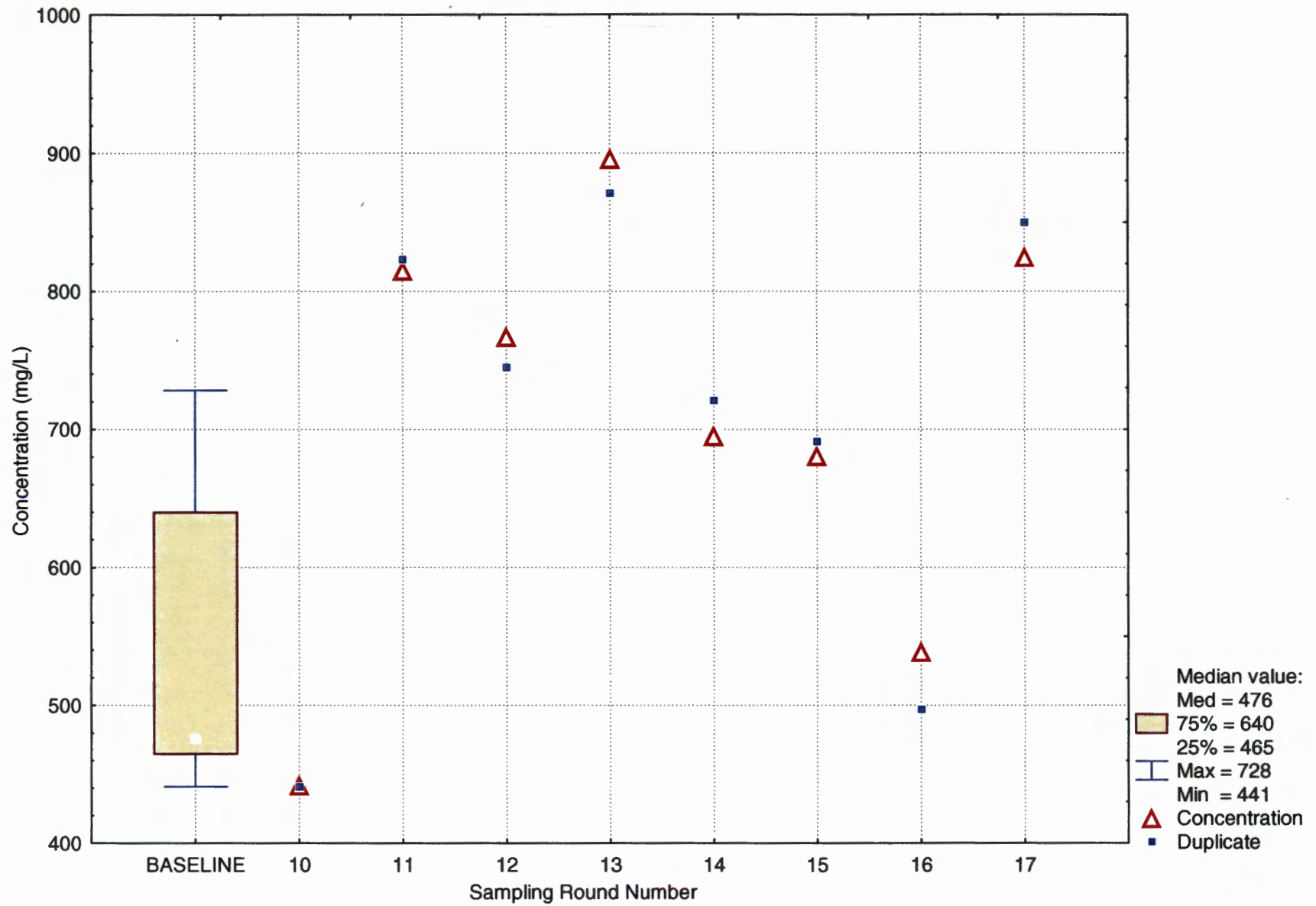


Magnesium at WQSP-1

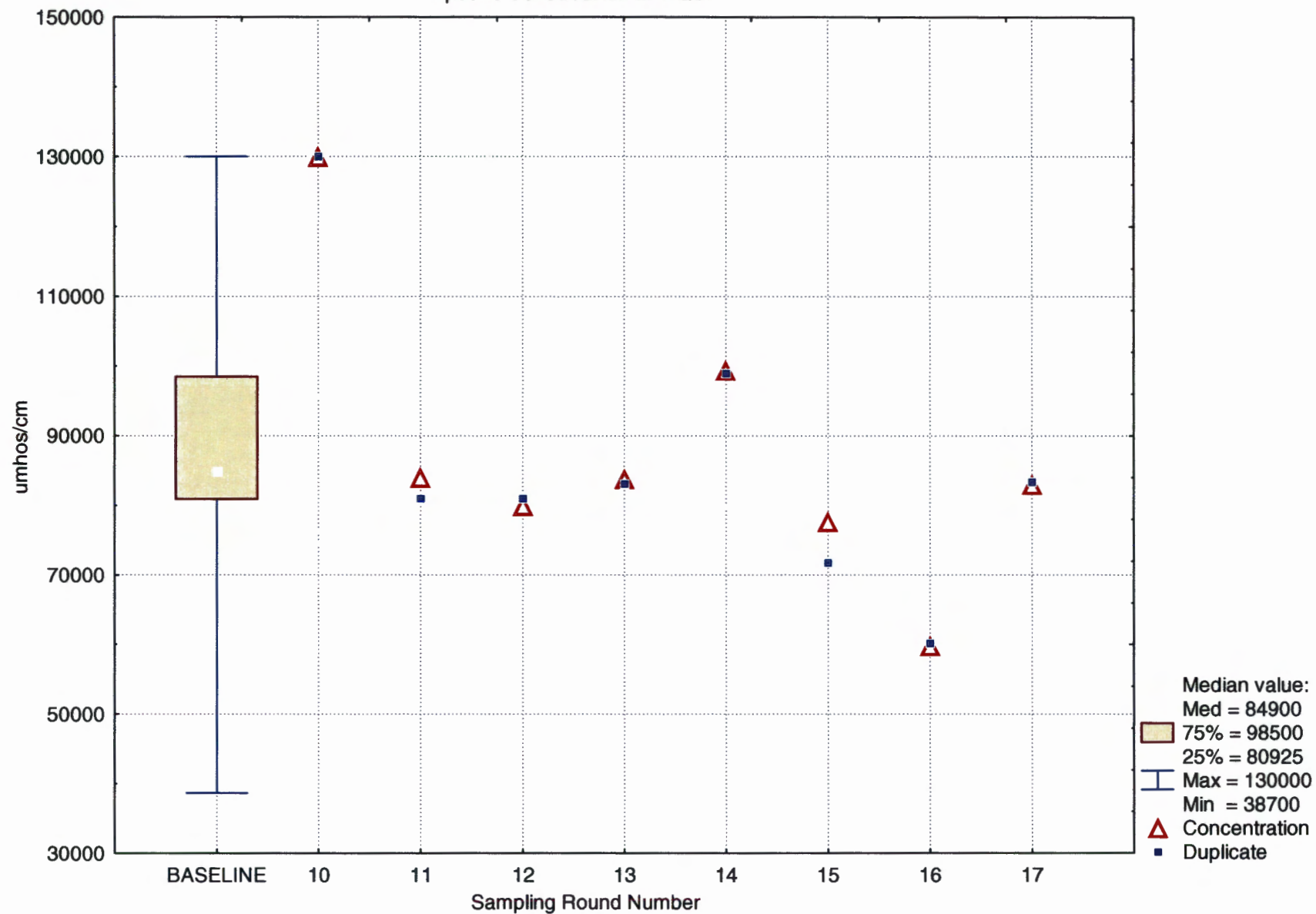




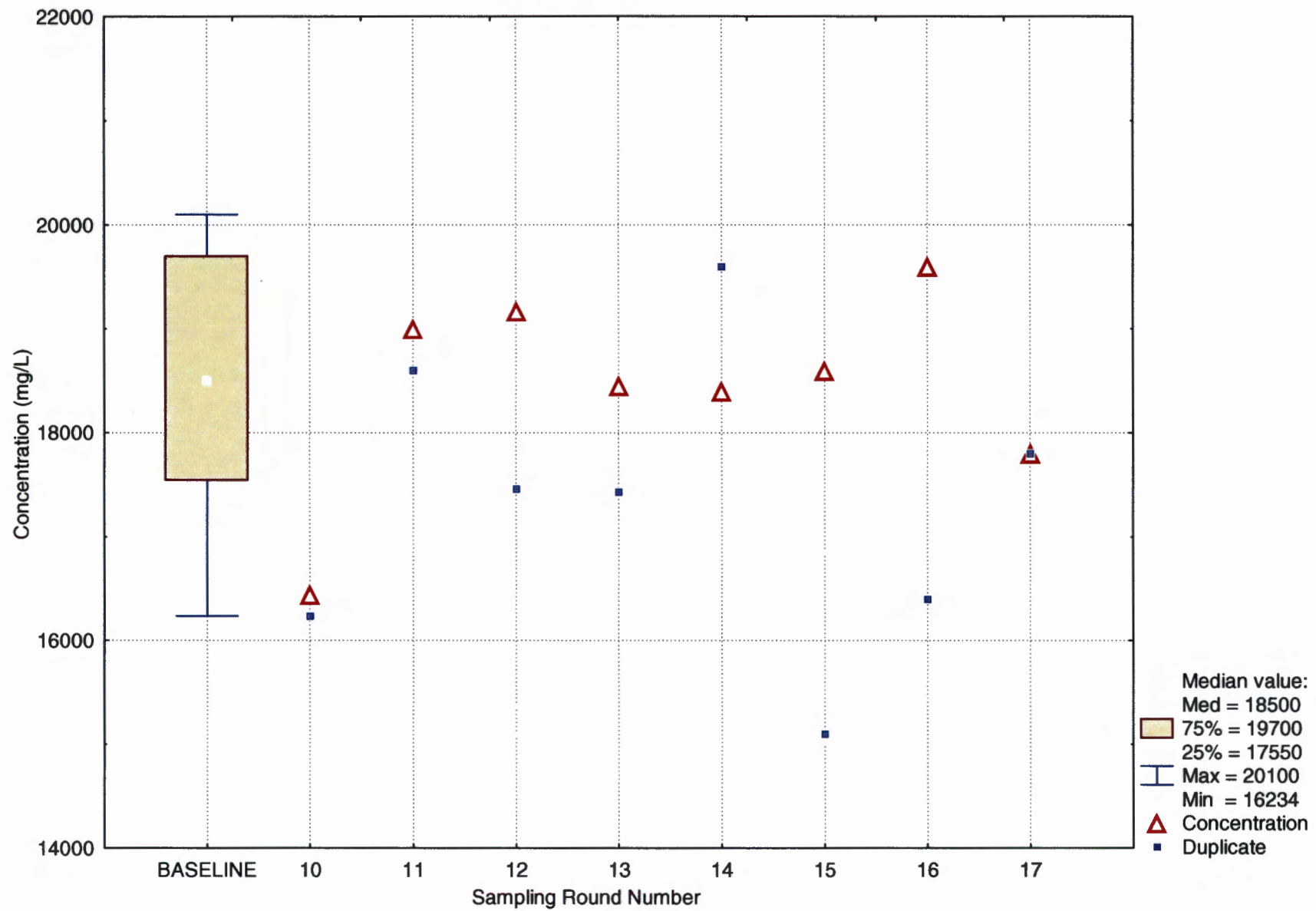
Potassium at WQSP-1



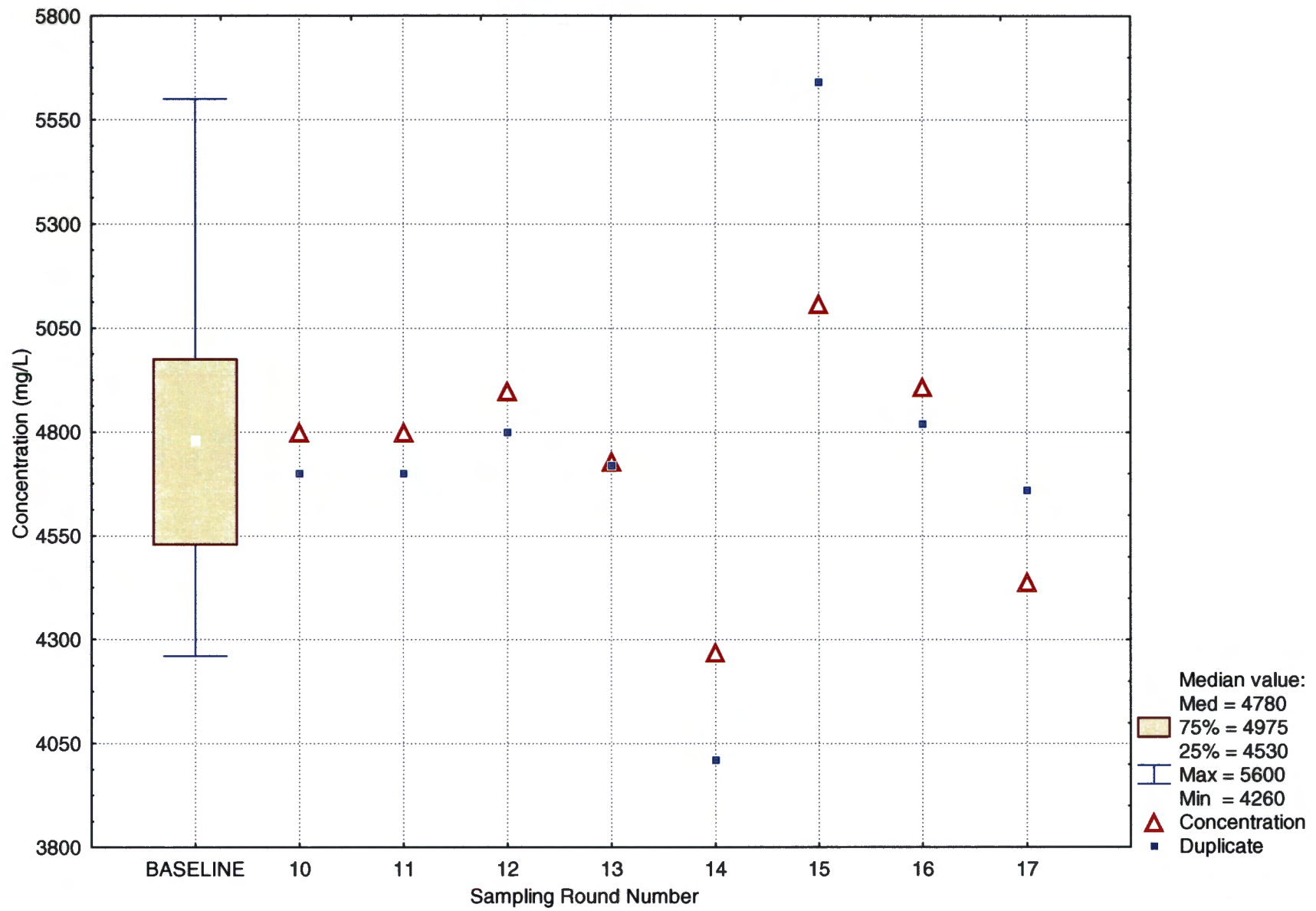
Specific Conductance at WQSP-1



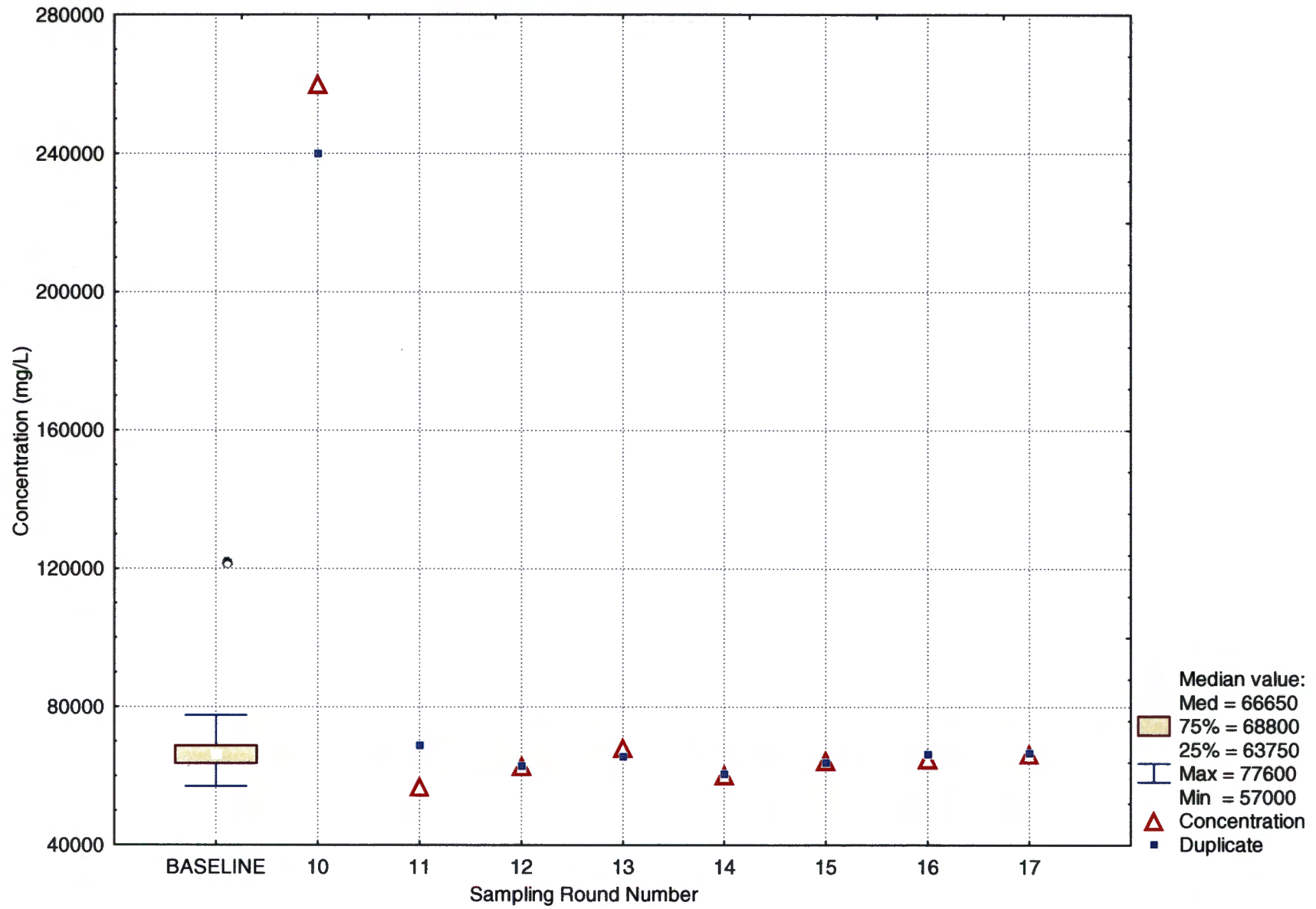
Sodium at WQSP-1



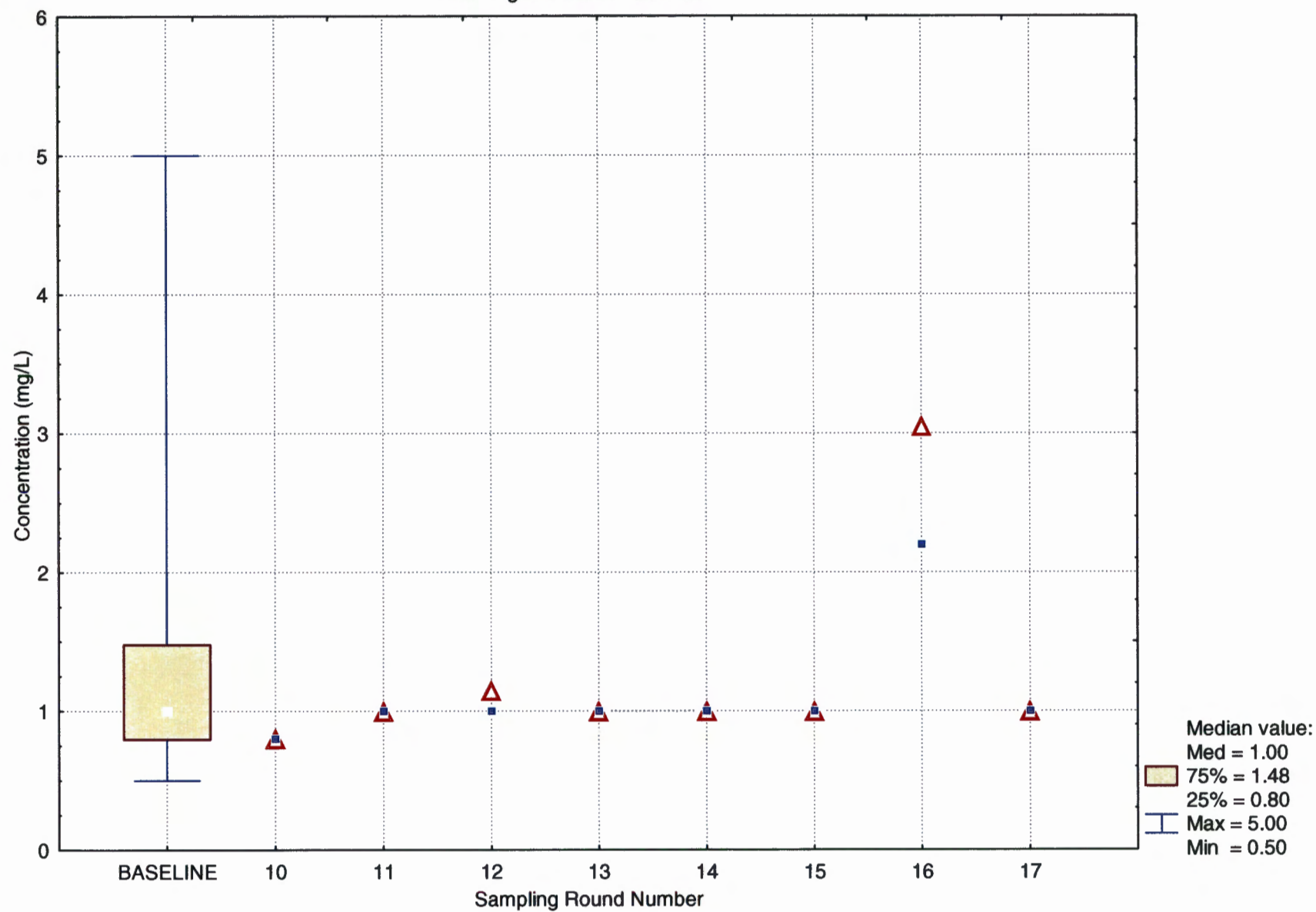
Sulfate at WQSP-1



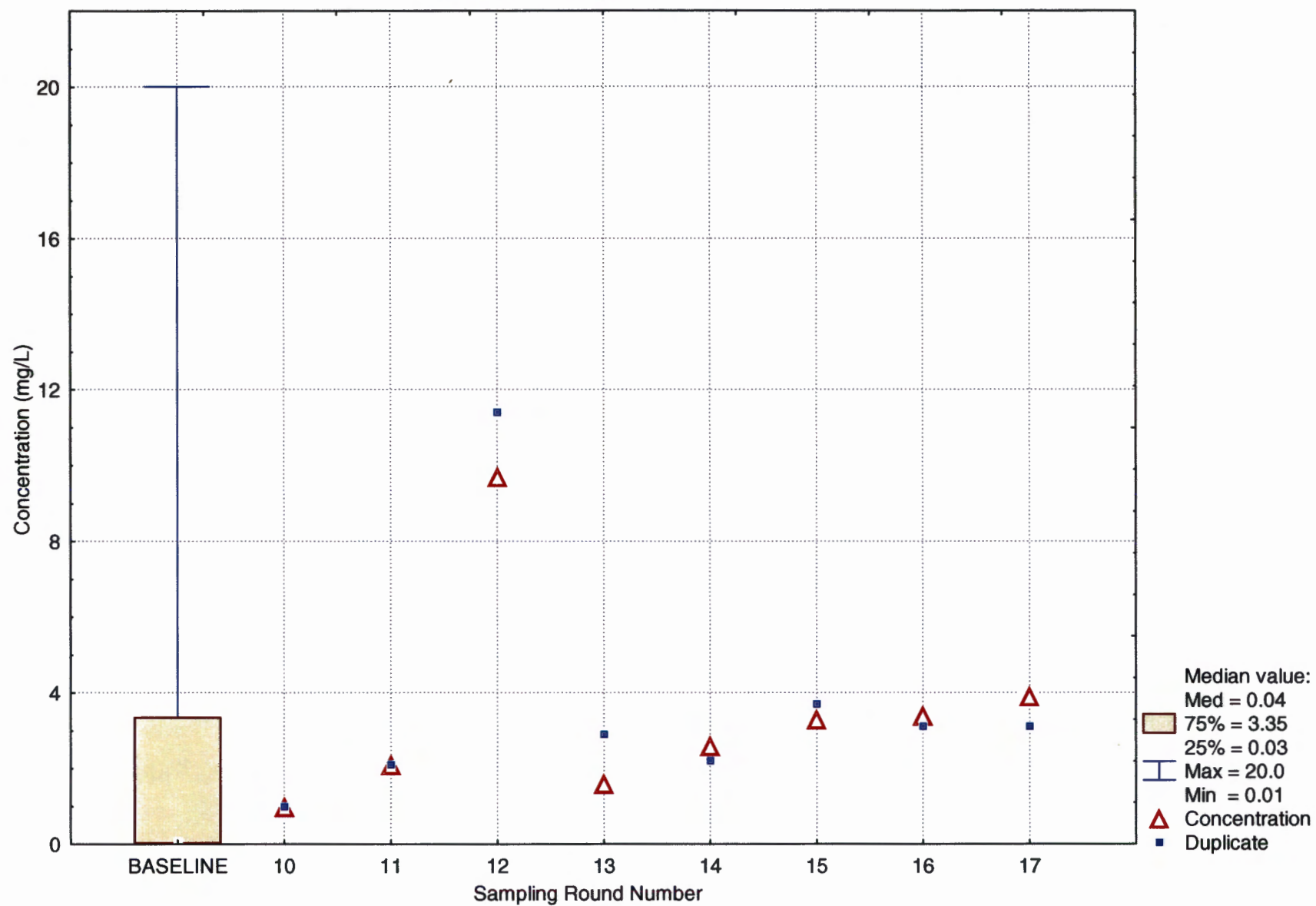
Total Dissolved Solids at WQSP-1



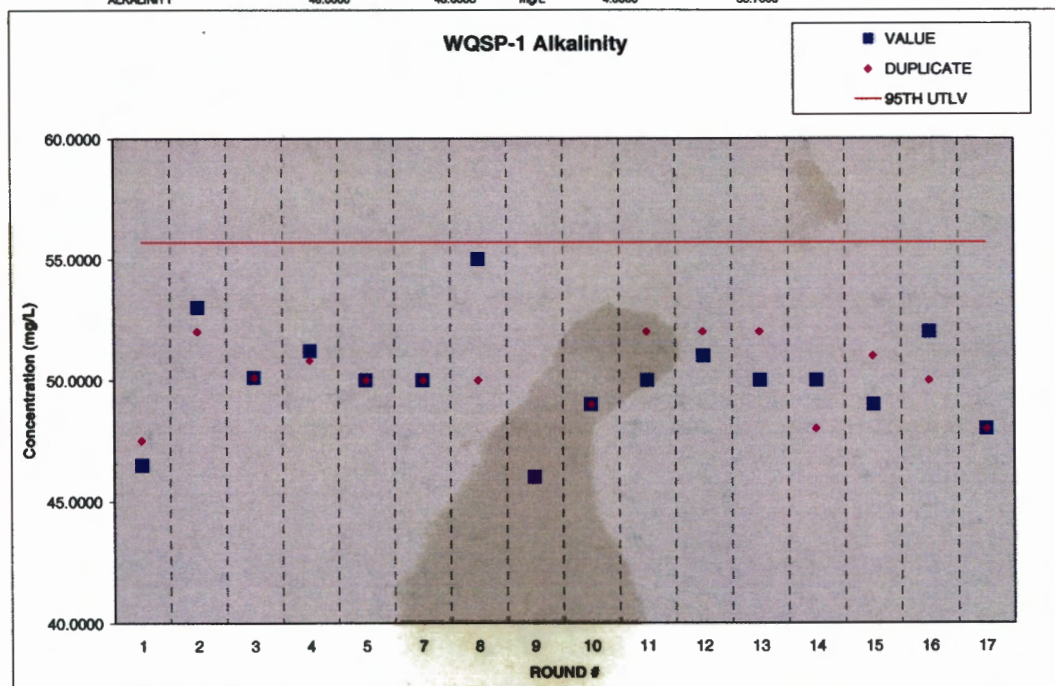
Total Organic Carbon at WQSP-1



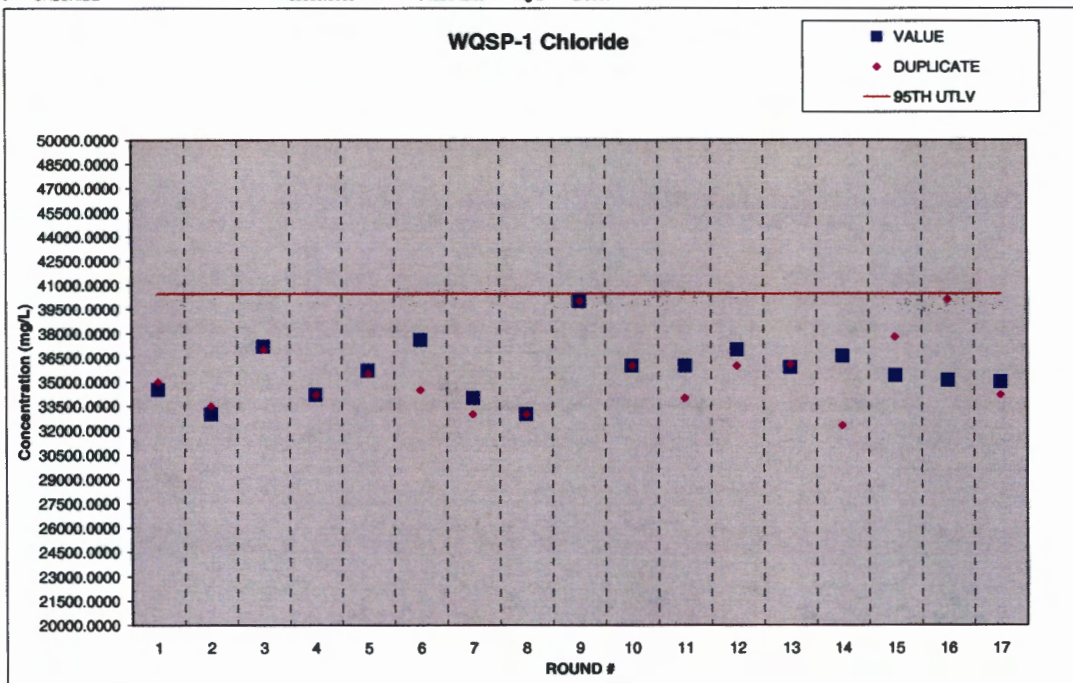
Total Organic Halogens at WQSP-1



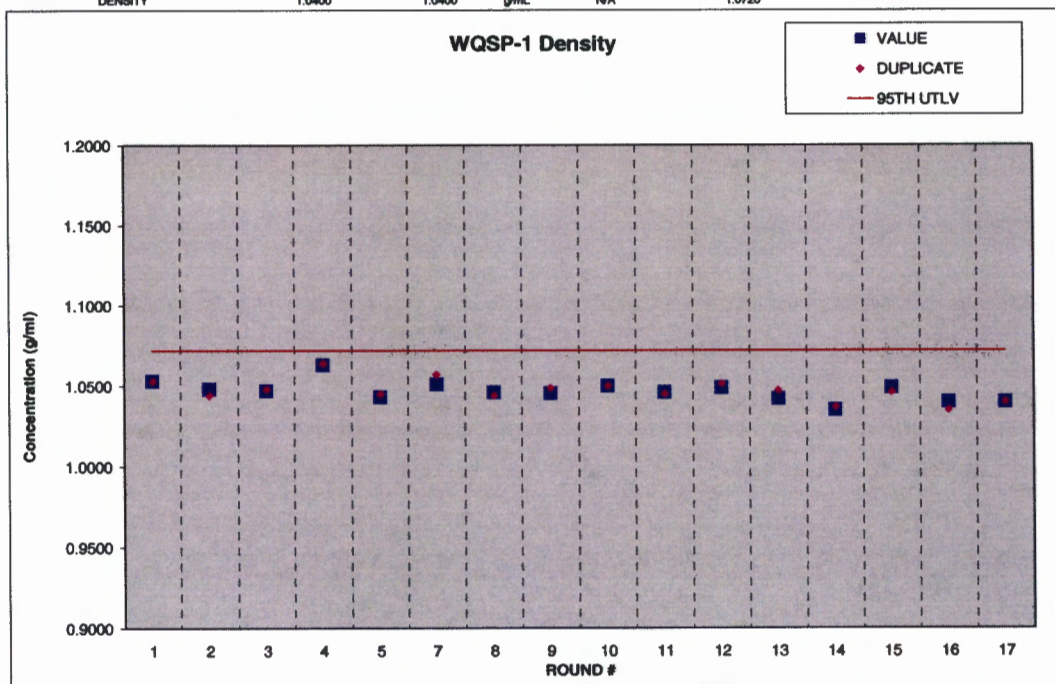
WQSP-1 Alkalinity												
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
	ALKALINITY	46.5000	47.5000	mg/L	5.0000	55.7000	<	5.0000	1	08/29/95	08/17/95	
	ALKALINITY	53.0000	52.0000	mg/L	5.0000	55.7000	<	5.0000	2	04/25/96	04/11/96	
	ALKALINITY	50.1000	50.1000	mg/L	5.0000	55.7000	<	5.0000	3	06/06/96	07/25/96	
	ALKALINITY	51.2000	50.8000	mg/L	5.0000	55.7000	<	5.0000	4	04/30/97	04/24/97	
	ALKALINITY	50.0000	50.0000	mg/L	5.0000	55.7000	<	5.0000	5	08/28/97	07/24/97	
	ALKALINITY	50.0000	50.0000	mg/L	1.0000	55.7000	<	1.0000	7	07/29/98	07/15/98	
	ALKALINITY	55.0000	50.0000	mg/L	4.0000	55.7000	<	4.0000	8	03/05/99	03/03/99	
	ALKALINITY	48.0000	48.0000	mg/L	4.0000	55.7000	<	4.0000	9	06/08/99	06/01/99	
	ALKALINITY	49.0000	48.0000	mg/L	4.0000	55.7000	<	4.0000	10	03/15/00	03/02/00	
	ALKALINITY	50.0000	52.0000	mg/L	6.0000	55.7000	<	6.0000	11	06/07/00	06/07/00	
	ALKALINITY	51.0000	52.0000	mg/L	4.0000	55.7000	<	4.0000	12	03/01/01	03/01/01	
	ALKALINITY	50.0000	52.0000	mg/L	4.0000	55.7000			13	06/12/01	06/09/01	
	ALKALINITY	50.0000	48.0000	mg/L	4.0000	55.7000			14	03/12/02	03/08/02	
	ALKALINITY	49.0000	51.0000	mg/L	4.0000	55.7000			15	06/10/02	06/05/02	
	ALKALINITY	52.0000	50.0000	mg/L	4.0000	55.7000			16	03/06/03	03/05/03	
	ALKALINITY	48.0000	48.0000	mg/L	4.0000	55.7000			17	09/09/03	09/04/03	



WQSP-1 Chloride											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	34500.0000	35000.0000	mg/L	5.0000	40472.0000		< 5.0000	1	08/23/95	08/17/95
7782-50-5	CHLORIDE	33000.0000	33500.0000	mg/L	5000.0000	40472.0000		< 5.0000	2	04/22/96	04/11/96
7782-50-5	CHLORIDE	37200.0000	37000.0000	mg/L	5.0000	40472.0000		< 5.0000	3	08/08/96	07/25/96
7782-50-5	CHLORIDE	34200.0000	34200.0000	mg/L	250.0000	40472.0000		< 5.0000	4	05/01/97	04/24/97
7782-50-5	CHLORIDE	35700.0000	35500.0000	mg/L	2500.0000	40472.0000		< 5.0000	5	08/29/97	07/24/97
7782-50-5	CHLORIDE	37800.0000	34500.0000	mg/L	2500.0000	40472.0000			6	03/19/98	03/05/98
7782-50-5	CHLORIDE	34000.0000	33000.0000	mg/L	0.5000	40472.0000		1.0100	7	07/28/98	07/15/98
7782-50-5	CHLORIDE	33000.0000	33000.0000	mg/L	0.5000	40472.0000		< 0.5000	8	03/03/99	03/03/99
7782-50-5	CHLORIDE	40000.0000	40000.0000	mg/L	0.5000	40472.0000		< 0.5000	9	09/07/99	09/01/99
7782-50-5	CHLORIDE	36000.0000	36000.0000	mg/L	0.5000	40472.0000		< 0.5000	10	03/08/00	03/02/00
7782-50-5	CHLORIDE	36000.0000	34000.0000	mg/L	2.0000	40472.0000		< 2.0000	11	09/21/00	09/07/00
7782-50-5	CHLORIDE	37000.0000	36000.0000	mg/L	0.5000	40472.0000		< 0.5000	12	03/01/01	03/01/01
7782-50-5	CHLORIDE	35800.0000	36100.0000	mg/L	0.5000	40472.0000			13	10/19/01	09/05/01
7782-50-5	CHLORIDE	36800.0000	32300.0000	mg/L	0.5000	40472.0000			14	03/08/02	03/05/02
7782-50-5	CHLORIDE	35400.0000	37800.0000	mg/L	2.0000	40472.0000			15	09/08/02	09/05/02
7782-50-5	CHLORIDE	35100.0000	40100.0000	mg/L	2.0000	40472.0000			16	03/05/03	03/05/03
7782-50-5	CHLORIDE	35000.0000	34200.0000	mg/L	2.0000	40472.0000			17	10/17/03	09/04/03

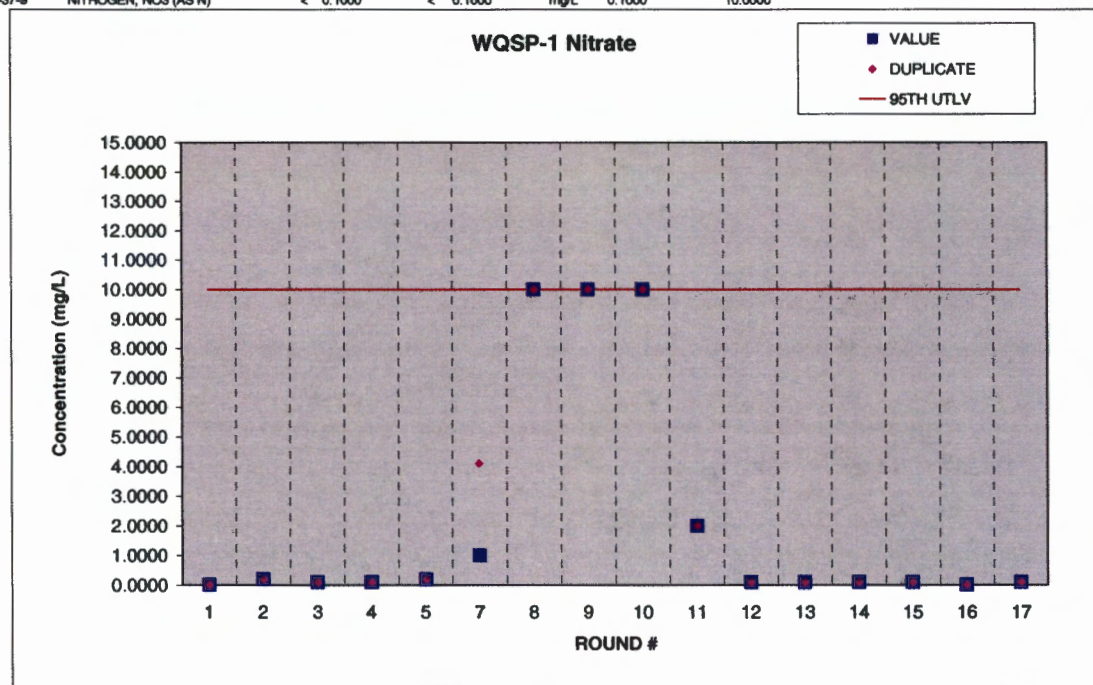


WQSP-1 Density													
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED		
	DENSITY	1.0530	1.0530	g/mL	0.0000	1.0720			1	08/22/95	08/17/95		
	DENSITY	1.0480	1.0440	g/mL	0.0000	1.0720			2	04/18/96	04/11/96		
	DENSITY	1.0470	1.0480	g/mL	0.0000	1.0720			3	06/08/96	07/25/96		
	DENSITY	1.0630	1.0640	g/mL	N/A	1.0720			4	05/02/97	04/24/97		
	DENSITY	1.0430	1.0450	g/mL	N/A	1.0720			5	09/02/97	07/24/97		
	DENSITY	1.0510	1.0570	g/mL	—	1.0720			7	07/22/98	07/15/98		
	DENSITY	1.0480	1.0440	g/mL	N/A	1.0720			8	03/05/99	03/03/99		
	DENSITY	1.0454	1.0487	g/mL	N/A	1.0720		1.0037	9	09/03/99	09/01/99		
	DENSITY	1.0500	1.0500	g/mL	N/A	1.0720		1.0000	10	03/21/00	03/02/00		
	DENSITY	1.0459	1.0449	g/mL	N/A	1.0720		N/A	11	09/15/00	09/07/00		
	DENSITY	1.0488	1.0514	g/mL	N/A	1.0720		N/A	12	03/01/01	03/01/01		
	DENSITY	1.0420	1.0471	g/mL	N/A	1.0720		N/A	13	09/27/01	09/08/01		
	DENSITY	1.0350	1.0370	g/mL	N/A	1.0720		N/A	14	03/07/02	03/06/02		
	DENSITY	1.0490	1.0480	g/mL	N/A	1.0720			15	09/05/02	09/05/02		
	DENSITY	1.0400	1.0350	g/mL	N/A	1.0720			16	03/05/03	03/05/03		
	DENSITY	1.0400	1.0400	g/mL	N/A	1.0720			17	09/09/03	09/04/03		



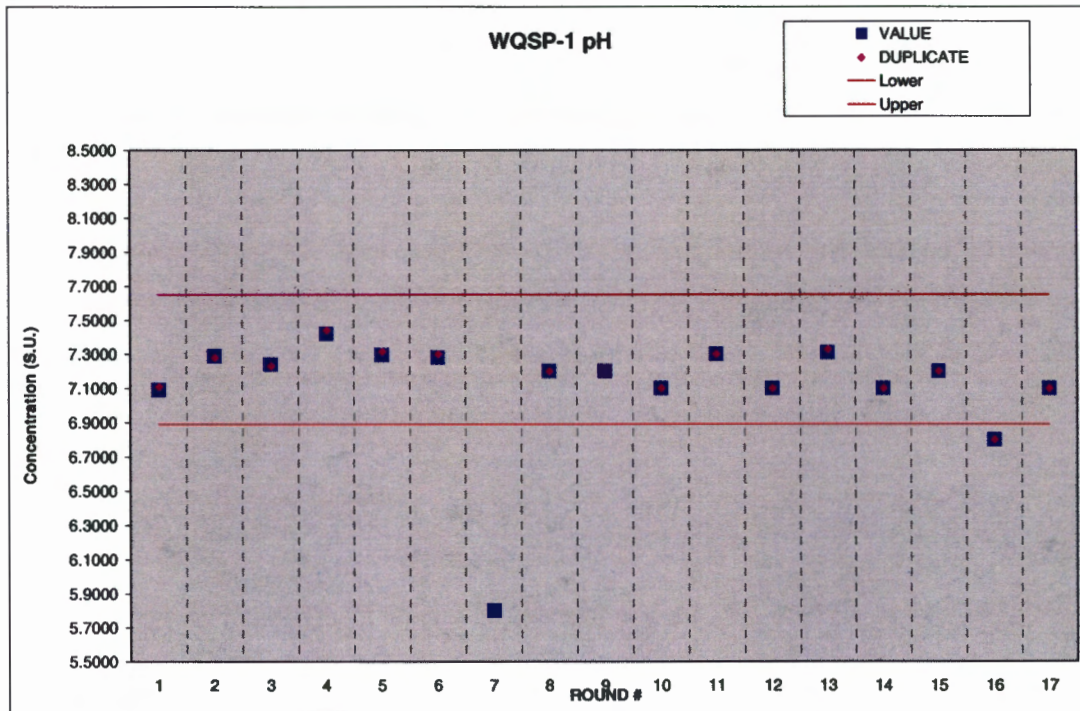
WQSP-1 Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NOS (AS N)	< 0.0100	< 0.0100	mg/L	0.1000	10.0000		< 0.1000	1	08/30/95	08/17/95
7727-37-9	NITROGEN, NOS (AS N)	< 0.2000	< 0.2000	mg/L	0.2000	10.0000		< 0.1000	2	04/25/96	04/11/96
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	3	08/08/96	07/25/96
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	4	05/02/97	04/24/97
7727-37-9	NITROGEN, NOS (AS N)	< 0.2000	< 0.2000	mg/L	0.2000	10.0000		< 0.1000	5	09/23/97	07/24/97
7727-37-9	NITROGEN, NOS (AS N)	< 1.0000	< 1.0000	mg/L	0.2000	10.0000		< 0.2000	7	07/10/98	07/15/98
7727-37-9	NITROGEN, NOS (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	8	03/03/99	03/03/99
7727-37-9	NITROGEN, NOS (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	9	09/07/99	09/01/99
7727-37-9	NITROGEN, NOS (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	10	03/09/00	03/02/00
7727-37-9	NITROGEN, NOS (AS N)	< 2.0000	< 2.0000	mg/L	2.0000	10.0000		< 0.2000	11	09/17/00	09/07/00
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	12	03/09/01	03/01/01
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			13	09/19/01	09/09/01
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			14	03/18/02	03/06/02
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			15	09/13/02	09/05/02
7727-37-9	NITROGEN, NOS (AS N)	0.0120	0.0120	mg/L	0.1000	10.0000			16	03/09/03	03/05/03
7727-37-9	NITROGEN, NOS (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			17	09/04/03	09/04/03



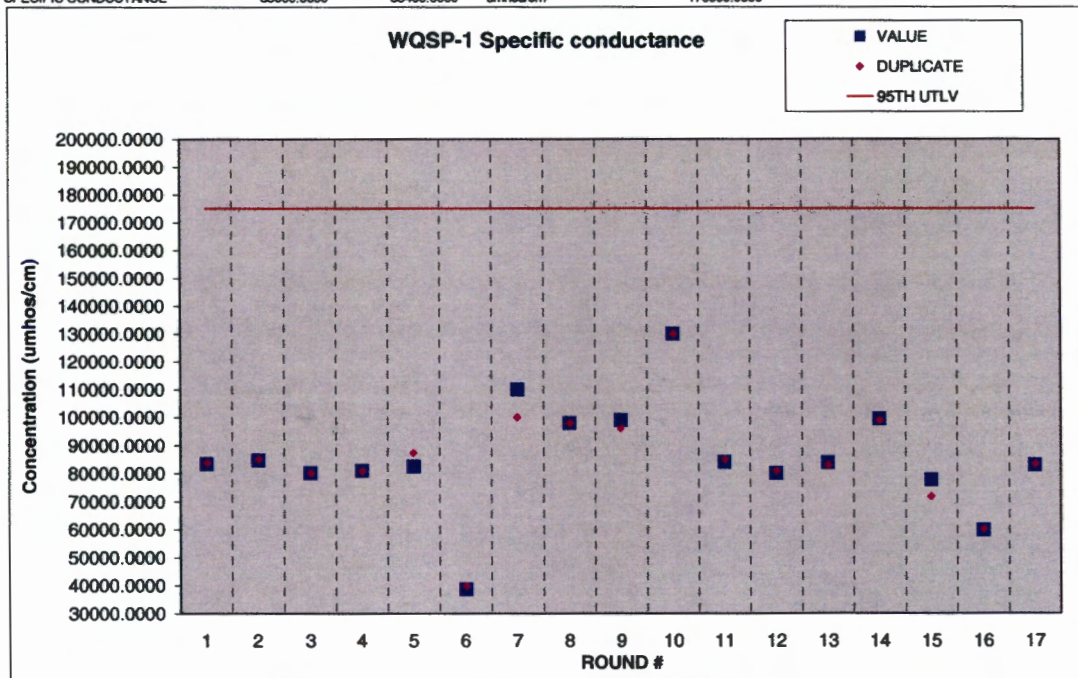
WQSP-1 pH

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
-	-	-	-	-	-	-	-	-	-	-	-	-
	pH	7.0900	7.1100	SU	0.0000	6.8900	7.8500			1	08/18/95	08/17/95
	pH	7.2900	7.2800	SU	0.0000	6.8900	7.8500			2	04/12/96	04/11/96
	pH	7.2400	7.2300	SU	0.0000	6.8900	7.8500			3	07/28/96	07/25/96
	pH	7.4200	7.4400	SU	N/A	6.8900	7.8500			4	04/28/97	04/24/97
	pH	7.2950	7.3150	SU	N/A	6.8900	7.8500			5	07/25/97	07/24/97
	pH	7.2800	7.3000	SU	N/A	6.8900	7.8500			6	03/06/98	03/05/98
	pH	5.8000	5.4000	SU	—	6.8900	7.8500			7	07/15/98	07/15/98
	pH	7.2000	7.2000	SU	N/A	6.8900	7.8500			8	03/03/99	03/03/99
	pH	7.2000	7.2000	SU	N/A	6.8900	7.8500			9	09/01/99	09/01/99
	pH	7.1000	7.1000	SU	N/A	6.8900	7.8500			10	03/07/00	03/02/00
	pH	7.3000	7.3000	SU	N/A	6.8900	7.8500			11	09/07/00	09/07/00
	pH	7.1000	7.1000	SU	N/A	6.8900	7.8500			12	03/01/01	03/01/01
	pH	7.3100	7.3300	SU	N/A	6.8900	7.8500			13	09/08/01	09/08/01
	pH	7.1000	7.1000	SU	N/A	6.8900	7.8500			14	03/08/02	03/08/02
	pH	7.2000	7.2000	SU	N/A	6.8900	7.8500			15	09/05/02	09/07/02
	pH	6.8000	6.8000	SU	N/A	6.8900	7.8500			16	03/05/03	03/05/03
	pH	7.1000	7.1000	SU	N/A	6.8900	7.8500			17	09/04/03	09/04/03



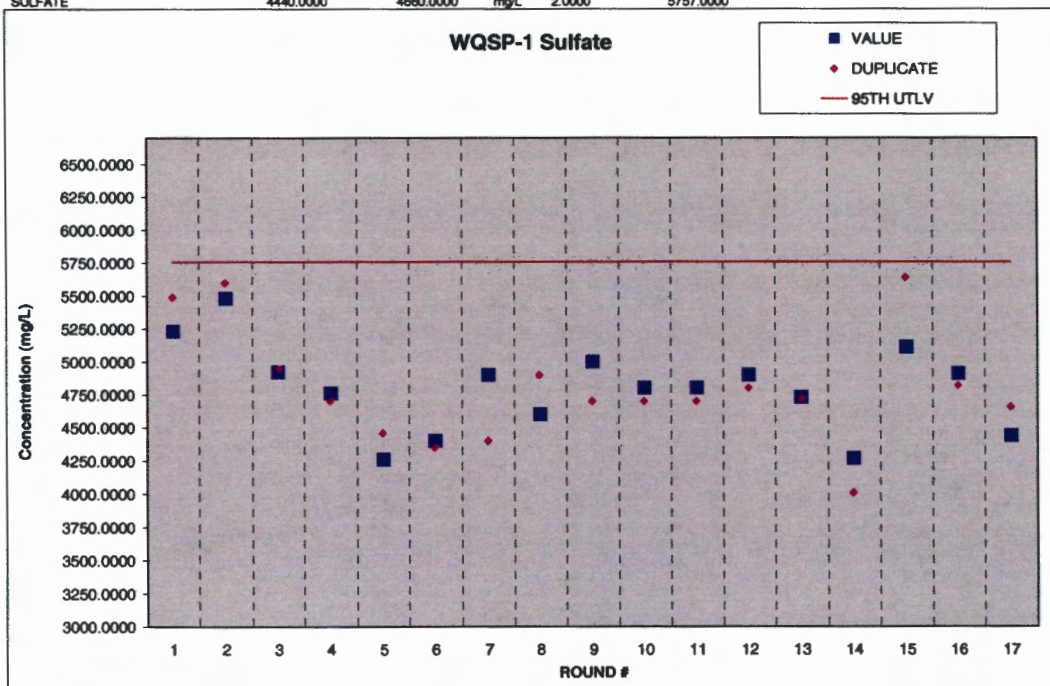
WQSP-1 Specific conductance

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	83400.0000	83800.0000	umhos/cm	1.0000	175000.0000			1	08/18/96	08/17/96
	SPECIFIC CONDUCTANCE	84700.0000	85100.0000	umhos/cm	1.0000	175000.0000			2	04/18/98	04/11/98
	SPECIFIC CONDUCTANCE	80100.0000	80100.0000	umhos/cm	3.0000	175000.0000			3	08/20/96	07/25/96
	SPECIFIC CONDUCTANCE	80950.0000	80900.0000	umhos/cm	3.0000	175000.0000			4	05/02/97	04/24/97
	SPECIFIC CONDUCTANCE	82500.0000	87300.0000	umhos/cm	3.0000	175000.0000			5	08/29/97	07/24/97
	SPECIFIC CONDUCTANCE	38700.0000	39900.0000	umhos/cm	3.0000	175000.0000			6	03/23/98	03/05/98
	SPECIFIC CONDUCTANCE	110000.0000	100000.0000	umhos/cm	—	175000.0000		4.8000	7	07/27/98	07/15/98
	SPECIFIC CONDUCTANCE	98000.0000	98000.0000	umhos/cm		175000.0000			8	03/05/99	03/03/99
	SPECIFIC CONDUCTANCE	99000.0000	99000.0000	umhos/cm		175000.0000		4.8000	9	09/03/99	09/01/99
	SPECIFIC CONDUCTANCE	130000.0000	130000.0000	umhos/cm		175000.0000		4.8000	10	03/07/00	03/02/00
	SPECIFIC CONDUCTANCE	84000.0000	85000.0000	umhos/cm		175000.0000		N/A	11	09/07/00	9/7/00
	SPECIFIC CONDUCTANCE	80000.0000	81000.0000	umhos/cm		175000.0000		N/A	12	03/01/01	03/01/01
	SPECIFIC CONDUCTANCE	83800.0000	83100.0000	umhos/cm		175000.0000			13	10/04/01	09/08/01
	SPECIFIC CONDUCTANCE	99400.0000	99000.0000	umhos/cm		175000.0000			14	03/12/02	03/08/02
	SPECIFIC CONDUCTANCE	77700.0000	71800.0000	umhos/cm		175000.0000			15	09/08/02	09/05/02
	SPECIFIC CONDUCTANCE	59800.0000	60200.0000	umhos/cm		175000.0000			16	03/12/03	03/05/03
	SPECIFIC CONDUCTANCE	83000.0000	83400.0000	umhos/cm		175000.0000			17	09/11/03	09/04/03

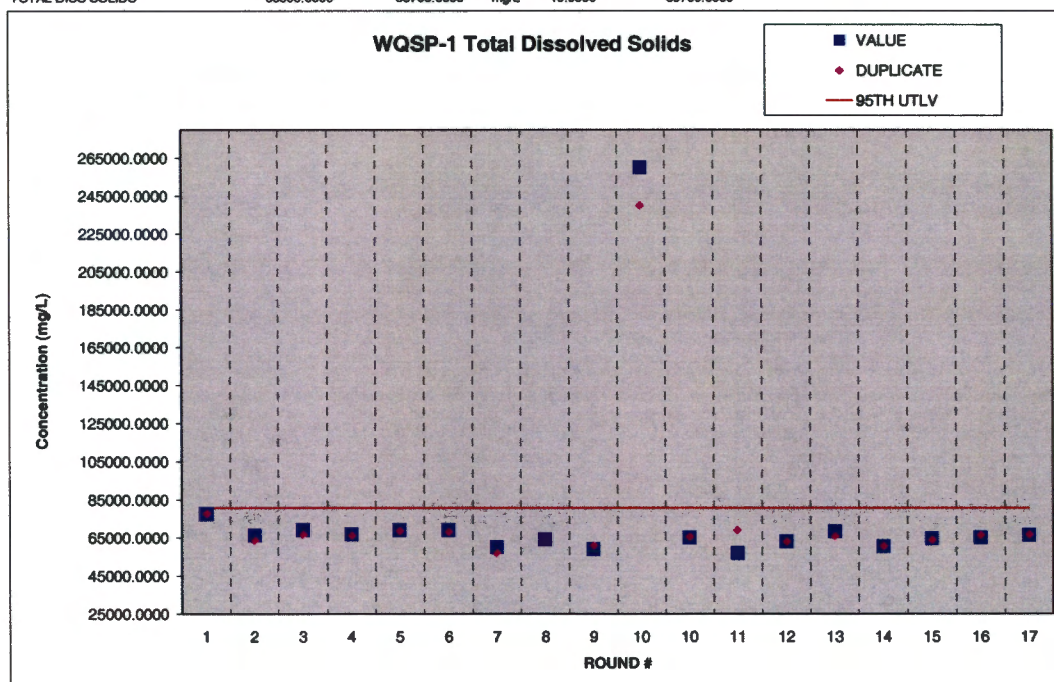


WQSP-1 Sulfate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SULFATE	5230.0000	5480.0000	mg/L	10.0000	5757.0000	< 10.0000	< 10.0000	1	08/29/95	08/17/95
	SULFATE	5480.0000	5600.0000	mg/L	2500.0000	5757.0000	< 10.0000	< 10.0000	2	04/25/96	04/11/96
	SULFATE	4920.0000	4950.0000	mg/L	1000.0000	5757.0000	< 10.0000	< 10.0000	3	08/21/96	07/25/96
	SULFATE	4780.0000	4700.0000	mg/L	10.0000	5757.0000	< 10.0000	< 10.0000	4	05/01/97	04/24/97
	SULFATE	4280.0000	4480.0000	mg/L	2500.0000	5757.0000	< 10.0000	< 10.0000	5	09/03/97	07/24/97
	SULFATE	4400.0000	4350.0000	mg/L	1000.0000	5757.0000	< 10.0000	< 10.0000	6	03/11/98	03/05/98
	SULFATE	4900.0000	4400.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	7	07/28/98	07/15/98
	SULFATE	4600.0000	4800.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	8	03/03/99	03/03/99
	SULFATE	5000.0000	4700.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	9	09/07/99	09/01/99
	SULFATE	4800.0000	4700.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	10	03/08/00	03/02/00
	SULFATE	4800.0000	4700.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	11	09/07/00	09/07/00
	SULFATE	4900.0000	4800.0000	mg/L	0.5000	5757.0000	< 0.5000	< 0.5000	12	03/01/01	03/01/01
	SULFATE	4730.0000	4720.0000	mg/L	0.5000	5757.0000			13	09/27/01	09/08/01
	SULFATE	4270.0000	4010.0000	mg/L	0.5000	5757.0000			14	03/18/02	03/06/02
	SULFATE	5110.0000	5640.0000	mg/L	2.0000	5757.0000			15	09/08/02	09/05/02
	SULFATE	4910.0000	4820.0000	mg/L	2.0000	5757.0000			16	03/08/03	03/05/03
	SULFATE	4440.0000	4660.0000	mg/L	2.0000	5757.0000			17	10/17/03	09/04/03

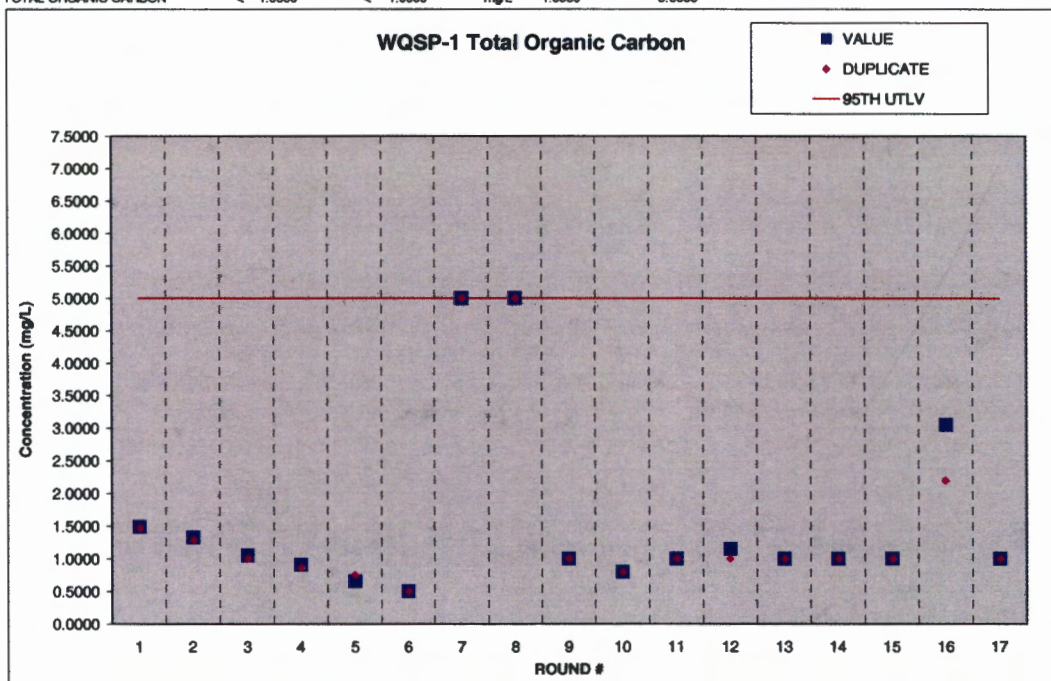


WQSP-1 Total Dissolved Solids											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	77400.0000	77600.0000	mg/L	10.0000	80700.0000	<	10.0000	1	08/24/96	08/17/96
	TOTAL DISS SOLIDS	66300.0000	63500.0000	mg/L	2000.0000	80700.0000	<	20.0000	2	04/19/96	04/11/96
	TOTAL DISS SOLIDS	68000.0000	66800.0000	mg/L	200.0000	80700.0000	<	10.0000	3	08/01/96	07/25/96
	TOTAL DISS SOLIDS	66700.0000	66300.0000	mg/L	10.0000	80700.0000	<	10.0000	4	04/30/97	04/24/97
	TOTAL DISS SOLIDS	68000.0000	66800.0000	mg/L	200.0000	80700.0000	<	10.0000	5	07/31/97	07/24/97
	TOTAL DISS SOLIDS	68000.0000	68200.0000	mg/L	400.0000	80700.0000	<	10.0000	6	03/17/98	03/05/98
	TOTAL DISS SOLIDS	60000.0000	57000.0000	mg/L	10.0000	80700.0000	<	10.0000	7	07/22/98	07/15/98
	TOTAL DISS SOLIDS	64000.0000	64000.0000	mg/L	10.0000	80700.0000	<	10.0000	8	03/03/99	03/03/99
	TOTAL DISS SOLIDS	59000.0000	61000.0000	mg/L	10.0000	80700.0000	<	10.0000	9	09/02/99	09/01/99
	TOTAL DISS SOLIDS	280000.0000	240000.0000	mg/L	10.0000	80700.0000	<	10.0000	10	03/08/00	03/02/00
	TOTAL DISS SOLIDS	65000.0000	65500.0000	mg/L	10.0000	80700.0000	<	10.0000	10	06/20/00	03/02/00
	TOTAL DISS SOLIDS	57000.0000	69000.0000	mg/L	10.0000	80700.0000	<	10.0000	11	08/12/00	08/07/00
	TOTAL DISS SOLIDS	63000.0000	63000.0000	mg/L	10.0000	80700.0000	<	10.0000	12	03/02/01	03/01/01
	TOTAL DISS SOLIDS	68300.0000	65700.0000	mg/L	10.0000	80700.0000			13	09/17/01	09/06/01
	TOTAL DISS SOLIDS	60500.0000	60600.0000	mg/L	10.0000	80700.0000			14	03/08/02	03/08/02
	TOTAL DISS SOLIDS	64500.0000	63900.0000	mg/L	10.0000	80700.0000			15	09/09/02	09/05/02
	TOTAL DISS SOLIDS	65100.0000	66400.0000	mg/L	10.0000	80700.0000			16	03/06/03	03/05/03
	TOTAL DISS SOLIDS	66500.0000	66700.0000	mg/L	10.0000	80700.0000			17	09/10/03	09/04/03



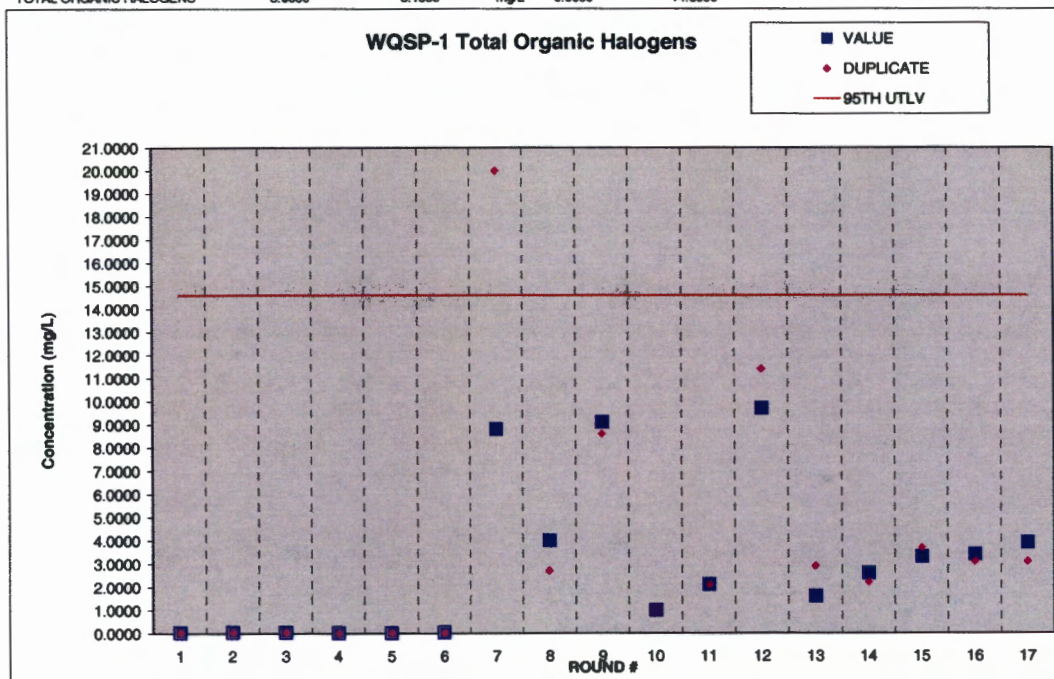
WQSP-1 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.4800	1.4700	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	1	08/18/95	08/17/95
	TOTAL ORGANIC CARBON	1.3300	1.2900	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	2	04/17/96	04/11/96
	TOTAL ORGANIC CARBON	1.0500	1.0000	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	3	08/08/96	07/25/96
	TOTAL ORGANIC CARBON	0.9075	0.8800	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	4	05/05/97	04/24/97
	TOTAL ORGANIC CARBON	0.8545	0.7530	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	5	08/13/97	07/24/97
	TOTAL ORGANIC CARBON	< 0.5000	< 0.5000	mg/L	0.5000	5.0000			6	03/12/98	03/05/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	5.0000	< 5.0000	< 5.0000	7	07/23/98	07/15/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	5.0000	< 5.0000	< 5.0000	8	03/11/99	03/03/99
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	9	09/13/99	09/01/99
	TOTAL ORGANIC CARBON	0.8000	0.8000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	10	03/13/00	03/02/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	11	09/13/00	09/07/00
	TOTAL ORGANIC CARBON	< 1.1500	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	12	03/12/01	03/01/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			13	09/23/01	09/09/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			14	03/14/02	03/08/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			15	09/23/02	09/05/02
	TOTAL ORGANIC CARBON	3.0500	2.2000	mg/L	1.0000	5.0000			16	03/10/03	03/05/03
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			17	11/19/03	09/04/03



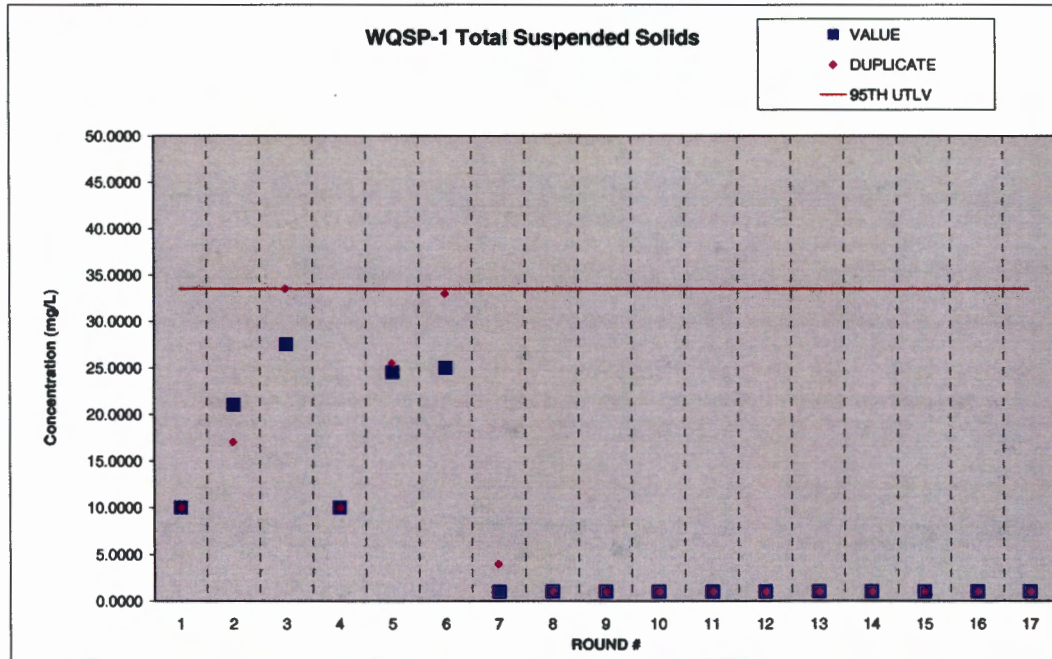
WQSP-1 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.0290	0.0220	mg/L	10.0000	14.8000	<	0.0100	1	09/15/95	09/17/95
	TOTAL ORGANIC HALOGENS	0.0376	0.0353	mg/L	10.0000	14.8000		0.0187	2	04/18/96	04/11/96
	TOTAL ORGANIC HALOGENS	0.0419	0.0449	mg/L	10.0000	14.8000		0.0143	3	07/29/96	07/25/96
	TOTAL ORGANIC HALOGENS	< 0.0100	< 0.0100	mg/L	10.0000	14.8000		0.0140	4	05/02/97	04/24/97
	TOTAL ORGANIC HALOGENS	0.0115	< 0.0106	mg/L	10.0000	14.8000		0.0137	5	08/15/97	07/24/97
	TOTAL ORGANIC HALOGENS	0.0361	0.0314	mg/L	0.0100	14.8000			6	03/23/98	03/05/98
	TOTAL ORGANIC HALOGENS	8.8000	20.0000	mg/L	10.0000	14.8000			7	07/22/98	07/15/98
	TOTAL ORGANIC HALOGENS	4.0000	2.7000	mg/L		14.8000			8	03/17/99	03/03/99
	TOTAL ORGANIC HALOGENS	9.1000	8.8000	mg/L		14.8000			9	09/09/99	09/01/99
	TOTAL ORGANIC HALOGENS	0.9800	0.9800	mg/L		14.8000			10	03/13/00	03/02/00
	TOTAL ORGANIC HALOGENS	2.1000	2.1000	mg/L		14.8000			11	09/14/00	09/07/00
	TOTAL ORGANIC HALOGENS	9.7000	11.4000	mg/L		14.8000			12	03/09/01	03/01/01
	TOTAL ORGANIC HALOGENS	1.6000	2.9000	mg/L		14.8000			13	09/18/01	09/08/01
	TOTAL ORGANIC HALOGENS	2.6000	2.2000	mg/L		14.8000			14	03/19/02	03/08/02
	TOTAL ORGANIC HALOGENS	3.3000	3.7000	mg/L	0.0050	14.8000			15	09/18/02	09/05/02
	TOTAL ORGANIC HALOGENS	3.4000	3.1000	mg/L	0.0050	14.8000			16	03/17/03	03/05/03
	TOTAL ORGANIC HALOGENS	3.9000	3.1000	mg/L	0.0050	14.8000			17	09/16/03	09/04/03

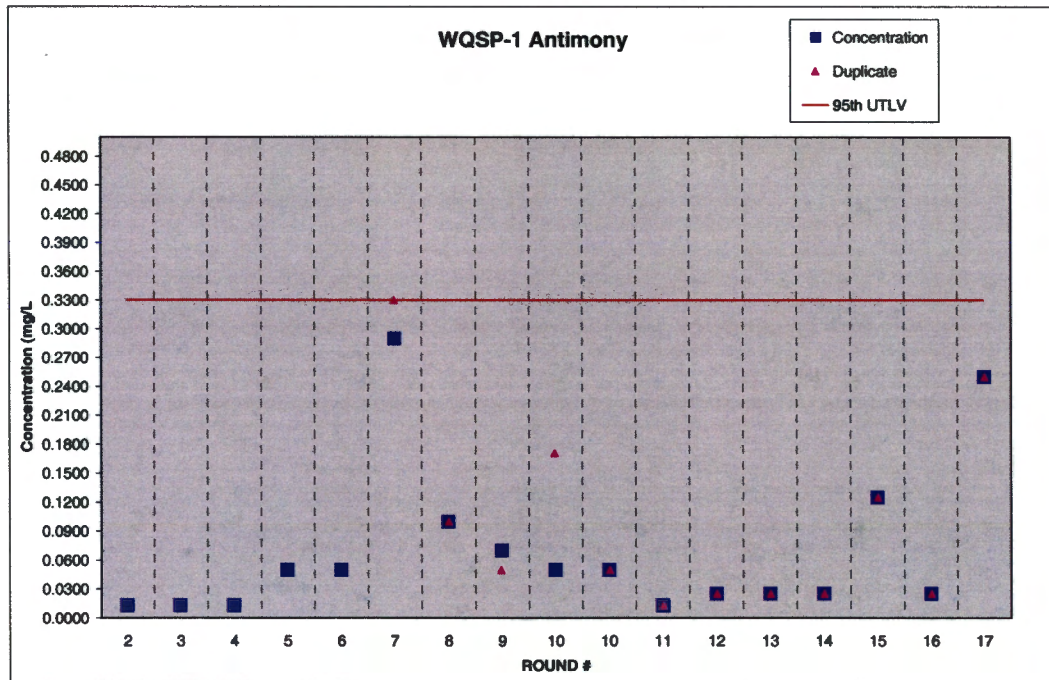


WQSP-1 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	33.5000		< 10.0000	1	08/22/95	08/17/95
	TOTAL SUSP SOLIDS	21.0000	17.0000	mg/L	10.0000	33.5000		< 20.0000	2	04/17/96	04/11/96
	TOTAL SUSP SOLIDS	27.5000	33.5000	mg/L	10.0000	33.5000		< 10.0000	3	08/01/96	07/25/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	33.5000		< 10.0000	4	04/30/97	04/24/97
	TOTAL SUSP SOLIDS	24.5000	25.5000	mg/L	10.0000	33.5000		< 10.0000	5	07/31/97	07/24/97
	TOTAL SUSP SOLIDS	25.0000	33.0000	mg/L	10.0000	33.5000			6	03/05/98	03/19/98
	TOTAL SUSP SOLIDS	< 1.0000	4.0000	mg/L	1.0000	33.5000		< 1.0000	7	07/20/98	07/15/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000		< 1.0000	8	03/10/99	03/03/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000		< 1.0000	9	09/03/99	09/01/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000		< 1.0000	10	03/08/00	03/02/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000		< 1.0000	11	09/13/00	09/13/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000		< 1.0000	12	03/07/01	03/01/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000			13	09/13/01	09/08/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000			14	03/13/02	03/08/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000			15	09/12/02	09/05/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000			16	03/09/03	03/05/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	33.5000			17	09/11/03	09/04/03

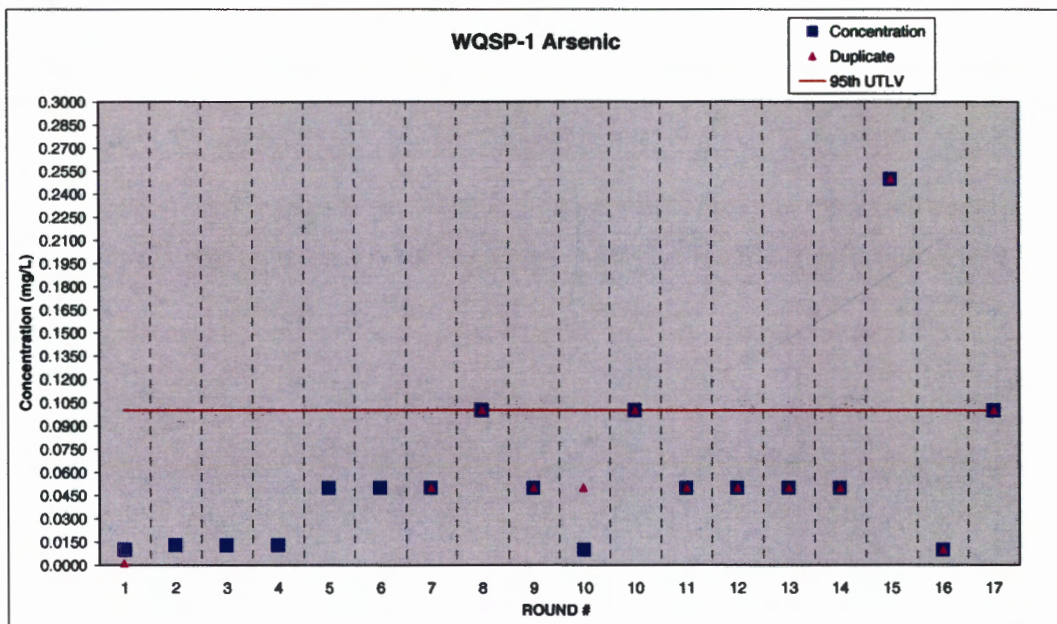


WQSP-1 Antimony											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.3300	< 0.0050		2	11/19/96	11/07/96
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.3300	< 0.0050		3	07/30/96	07/25/96
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.3300	< 0.0050		4	05/02/97	04/24/97
7440-38-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.3300	< 0.0050		5	08/15/97	07/24/97
7440-38-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.3300		< 0.0050	6	03/19/98	03/05/98
7440-38-0	ANTIMONY	0.2800	0.3300	mg/L	0.0500	0.3300		0.0500	7	08/17/98	07/15/98
7440-38-0	ANTIMONY	< 0.1000	< 0.1000	mg/L	0.1000	0.3300		0.1000	8	03/08/99	03/03/99
7440-38-0	ANTIMONY	0.0700	< 0.0500	mg/L	0.0500	0.3300		0.0500	9	09/16/99	09/01/99
7440-38-0	ANTIMONY	< 0.0500	0.1710	mg/L	0.0500	0.3300		< 0.0500	10	03/08/00	03/02/00
7440-38-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.3300			10	08/18/00	03/02/00
7440-38-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.3300		< 0.0130	11	10/08/00	09/07/00
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.3300		< 0.0250	12	03/01/01	03/28/01
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.3300		< 0.0250	13	08/17/01	09/06/01
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.3300		< 0.0275	14	03/10/02	03/06/02
7440-38-0	ANTIMONY	< 0.1250	< 0.1250	mg/L	0.0130	0.3300	< 0.1250	< 0.1250	15	09/12/02	09/05/02
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.3300	< 0.0250	< 0.0250	16	03/10/03	03/05/03
7440-38-0	ANTIMONY	< 0.2500	< 0.2500	mg/L	0.2500	0.3300	< 0.2500	< 0.2500	17	10/10/03	09/04/03

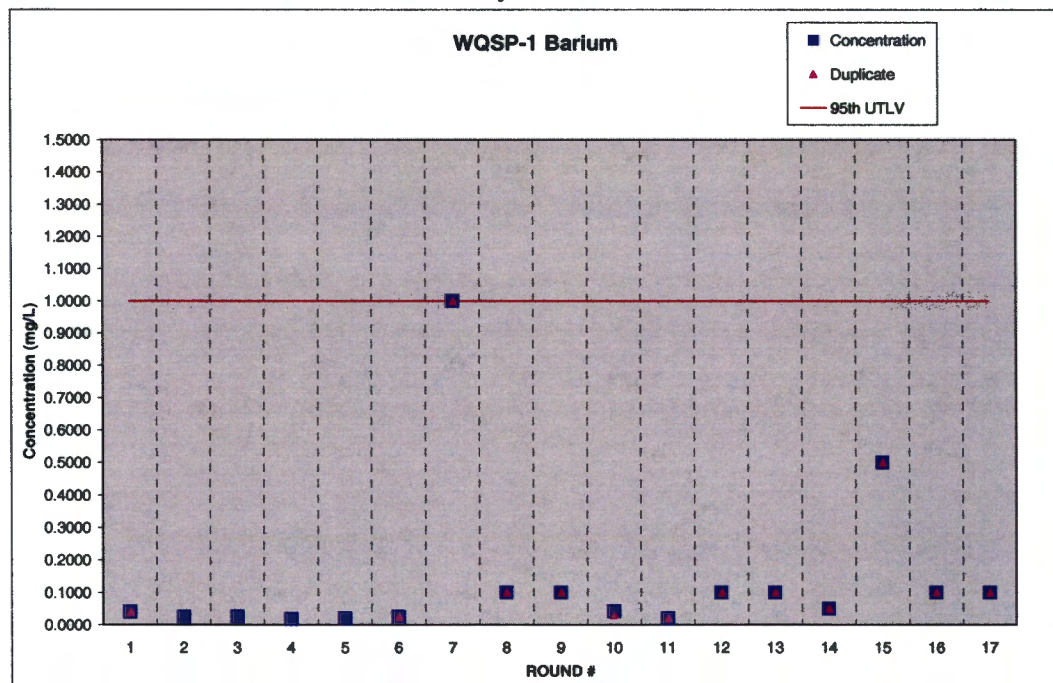


WQSP-1 Arsenic

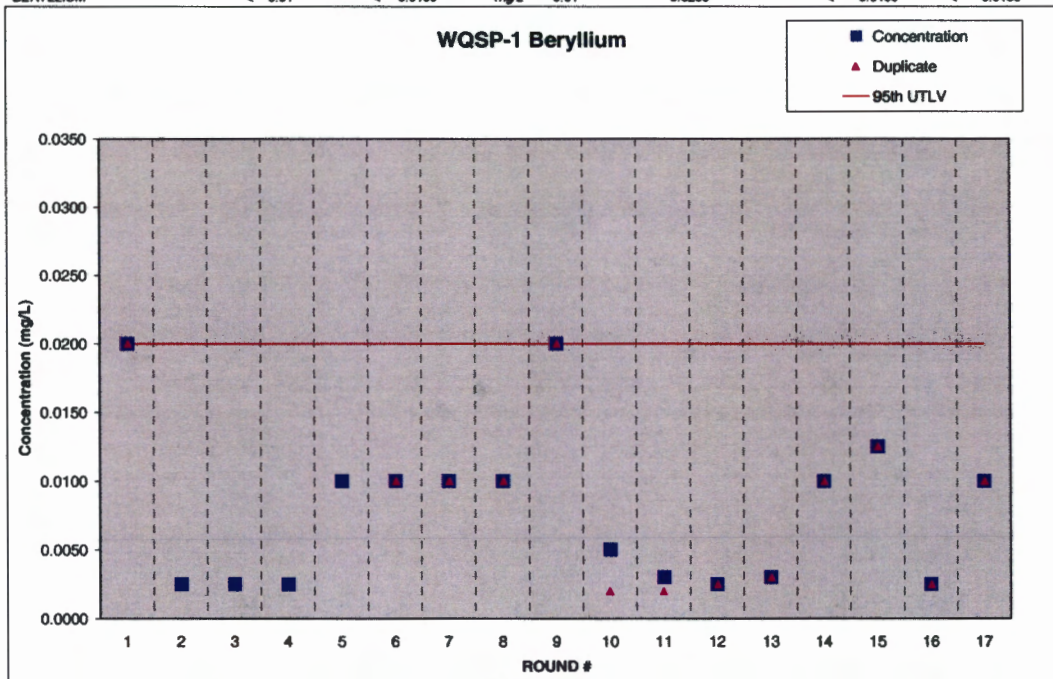
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0100	< 0.0010	mg/L	0.0010	0.1000		< 0.0020	1	09/29/95	08/17/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		2	11/19/96	11/07/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.1000	< 0.0050	0.0000	3	07/30/96	07/25/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		4	05/02/97	04/24/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.1000	< 0.0050		5	08/15/97	07/24/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.1000	< 0.0050		6	03/19/98	03/05/98
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	7	08/17/98	07/15/98
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	8	03/08/99	03/03/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	9	09/16/99	09/01/99
7440-38-2	ARSENIC	< 0.0100	< 0.0500	mg/L	0.0100	0.1000		< 0.0500	10	03/06/00	03/02/00
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.1000			10	06/19/00	06/19/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	11	10/09/00	09/07/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	12	02/28/01	03/01/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	13	08/17/01	09/06/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0550	14	03/10/02	03/06/02
7440-38-2	ARSENIC	< 0.2500	< 0.2500	mg/L	0.2500	0.1000	< 0.2500	< 0.2500	15	09/12/02	09/05/02
7440-38-2	ARSENIC	< 0.0100	< 0.0100	mg/L	0.0100	0.1000	< 0.0100	< 0.0100	16	03/10/03	03/05/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.1000	< 0.1000	< 0.1000	17	10/10/03	09/04/03



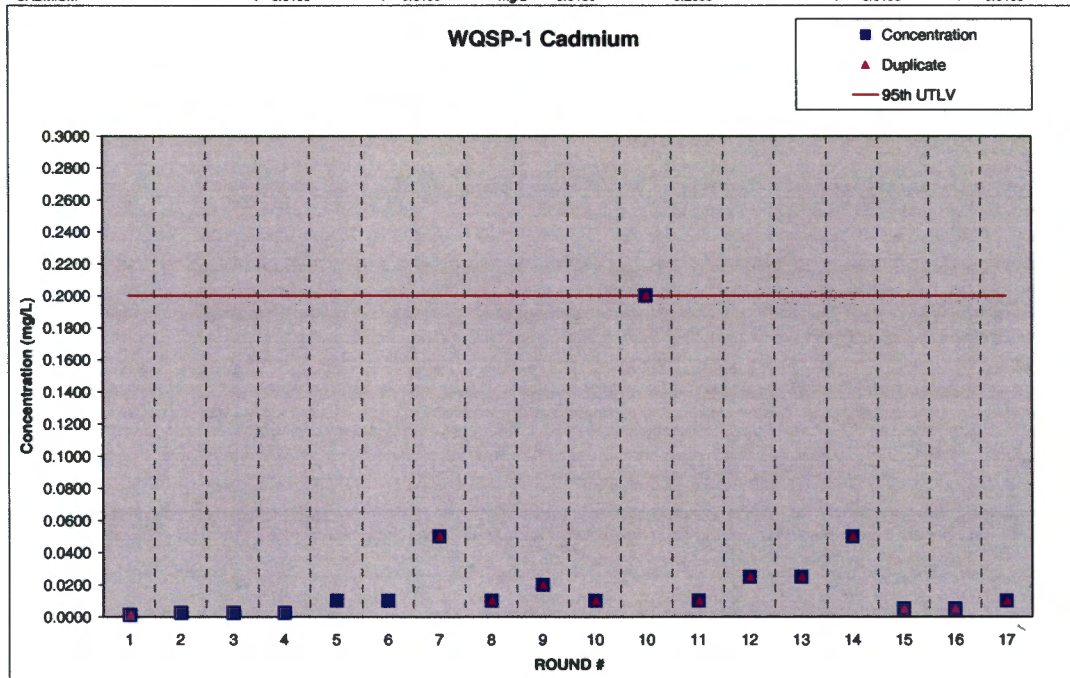
WQSP-1 Barium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIUM	< 0.0400	< 0.0400	mg/L	0.0400	1.0000		< 0.0040	1	08/28/95	08/17/95
7440-39-3	BARIUM	0.0240		mg/L	0.0050	1.0000	< 0.0020		2	11/18/96	11/07/96
7440-39-3	BARIUM	0.0260		mg/L	0.0050	1.0000	< 0.0020		3	07/30/96	07/25/96
7440-39-3	BARIUM	0.0184		mg/L	0.0050	1.0000	< 0.0020		4	05/02/97	04/24/97
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		5	08/15/97	07/24/97
7440-39-3	BARIUM	0.0250	0.0247	mg/L	0.0200	1.0000		< 0.0020	6	03/19/98	03/05/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	7	08/17/98	07/15/98
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	8	03/08/99	03/03/99
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	9	09/16/99	09/01/99
7440-39-3	BARIUM	0.0420	0.0300	mg/L	0.0200	1.0000		< 0.0200	10	03/06/00	03/02/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	11	10/09/00	09/07/00
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	12	03/28/01	03/01/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	13	09/17/01	09/08/01
7440-39-3	BARIUM	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.1100	14	03/10/02	03/08/02
7440-39-3	BARIUM	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.5000	< 0.5000	15	09/12/02	09/05/02
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000	< 0.1000	< 0.1000	16	03/10/03	03/05/03
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000	< 0.1000	< 0.1000	17	10/10/03	09/04/03



WQSP-1 Beryllium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200		< 0.0020	1	08/28/95	08/17/95
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		2	11/19/96	11/07/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		3	07/30/96	07/25/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		4	05/02/97	04/24/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.0200	< 0.0010		5	08/15/97	07/24/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0010	6	03/19/98	03/05/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0200		< 0.0010	7	08/17/98	07/15/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0100	8	03/08/99	03/03/99
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200		0.0200	9	09/18/99	09/01/99
7440-41-7	BERYLLIUM	0.0050	0.0020	mg/L	0.0200	0.0200		< 0.0200	10	03/08/00	03/02/00
7440-41-7	BERYLLIUM	0.0030	0.0020	mg/L	0.0100	0.0200		< 0.0100	11	10/09/00	09/07/00
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200		< 0.0025	12	03/28/01	03/01/01
7440-41-7	BERYLLIUM	< 0.0030	< 0.0030	mg/L	0.0030	0.0200		< 0.0030	13	09/17/01	09/08/01
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0028	14	03/10/02	03/08/02
7440-41-7	BERYLLIUM	< 0.0125	< 0.0125	mg/L	0.0125	0.0200	< 0.0125	< 0.0125	15	09/12/02	09/05/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200	< 0.0025	< 0.0025	16	03/10/03	03/05/03
7440-41-7	BERYLLIUM	< 0.01	< 0.0100	mg/L	0.01	0.0200	< 0.0100	< 0.0100	17	10/10/03	09/04/03

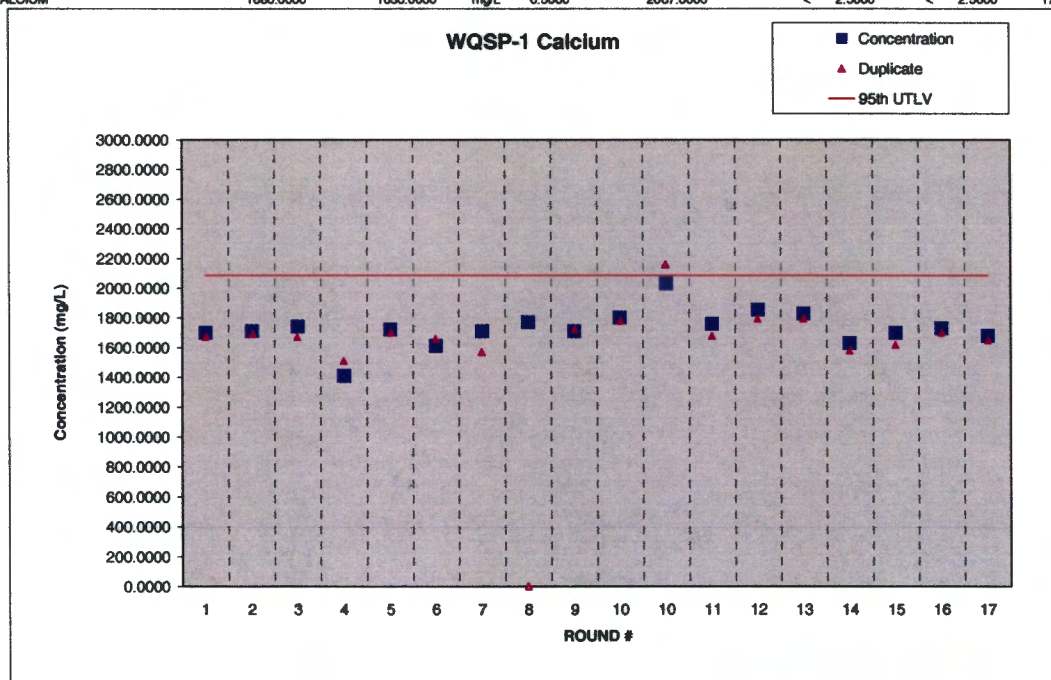


WQSP-1 Cadmium													
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED		
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.2000		< 0.0013	1	09/13/95	08/17/95		
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.2000	< 0.0010		2	11/19/96	11/07/96		
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.2000	< 0.0010		3	07/30/96	07/25/96		
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.2000	< 0.0010		4	05/02/97	04/24/97		
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.2000	< 0.0010		5	08/15/97	07/24/97		
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.2000		< 0.0010	6	03/19/98	03/05/98		
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0050	0.2000		< 0.0050	7	08/17/98	07/15/98		
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2000		< 0.0100	8	03/08/99	03/03/99		
7440-43-9	CADMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.2000		< 0.0200	9	09/16/99	09/01/99		
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2000		< 0.0100	10	03/06/00	03/02/00		
7440-43-9	CADMIUM	< 0.2000	< 0.2000	mg/L	0.2000	0.2000			10	08/19/00	08/19/00		
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2000		< 0.0100	11	10/09/00	09/07/00		
7440-43-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.2000		< 0.0250	12	03/29/01	03/01/01		
7440-43-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.2000		< 0.0250	13	09/17/01	09/08/01		
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2000		< 0.0055	14	03/10/02	03/08/02		
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.2000	< 0.0050	< 0.0050	15	10/02/02	09/05/02		
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.2000	< 0.0050	< 0.0050	16	03/10/03	03/05/03		
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2000	< 0.0100	< 0.0100	17	10/10/03	09/04/03		

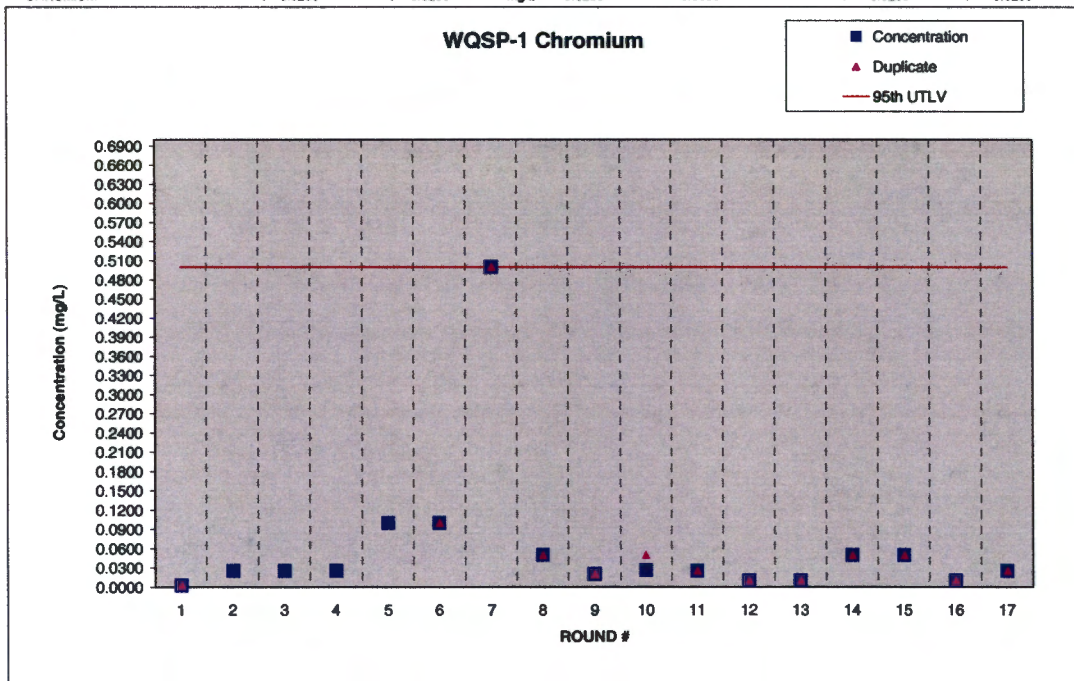


WQSP-1 Calcium

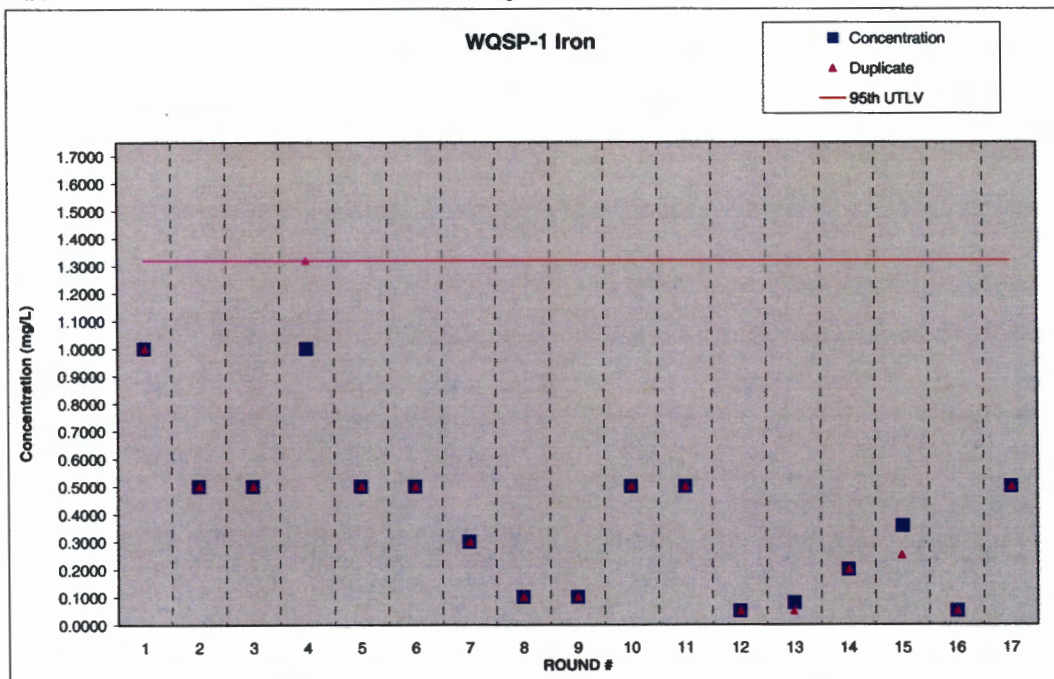
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	1700.0000	1670.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	1	08/28/96	08/17/96
7440-70-2	CALCIUM	1710.0000	1690.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	2	05/07/96	04/11/96
7440-70-2	CALCIUM	1740.0000	1670.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	3	07/30/96	07/25/96
7440-70-2	CALCIUM	1410.0000	1510.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	4	05/02/97	04/24/97
7440-70-2	CALCIUM	1720.0000	1700.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	5	08/15/97	07/24/97
7440-70-2	CALCIUM	1610.0000	1660.0000	mg/L	2.0000	2087.0000	< 0.2000	< 0.2000	6	03/19/98	03/05/98
7440-70-2	CALCIUM	1710.0000	1570.0000	mg/L	0.5000	2087.0000	< 0.5000	< 0.5000	7	08/17/98	07/15/98
7440-70-2	CALCIUM	1770.0000	< 0.5000	mg/L	0.5000	2087.0000	< 0.5000	< 0.5000	8	03/15/99	03/03/99
7440-70-2	CALCIUM	1710.0000	1728.0000	mg/L	0.5000	2087.0000	< 0.5000	< 0.5000	9	09/18/99	09/01/99
7440-70-2	CALCIUM	1800.0000	1780.0000	mg/L	5.0000	2087.0000	0.1030	0.1030	10	03/06/00	03/02/00
7440-70-2	CALCIUM	2030.0000	2160.0000	mg/L	5.0000	2087.0000			10	06/19/00	06/19/00
7440-70-2	CALCIUM	1760.0000	1680.0000	mg/L	2.0000	2087.0000	< 1.0000	< 1.0000	11	10/11/00	09/07/00
7440-70-2	CALCIUM	1854.0000	1794.0000	mg/L	0.5000	2087.0000	< 0.5000	< 0.5000	12	05/10/01	03/01/01
7440-70-2	CALCIUM	1828.0000	1785.0000	mg/L	0.2000	2087.0000	< 0.2000	< 0.2000	13	10/02/01	09/08/01
7440-70-2	CALCIUM	1630.0000	1580.0000	mg/L	0.2000	2087.0000	< 0.5500	< 0.5500	14	03/18/02	03/08/02
7440-70-2	CALCIUM	1700.0000	1620.0000	mg/L	0.5000	2087.0000	< 5.0000	< 5.0000	15	10/02/02	09/05/02
7440-70-2	CALCIUM	1730.0000	1700.0000	mg/L	0.5000	2087.0000	< 0.5000	< 0.5000	16	03/31/03	03/05/03
7440-70-2	CALCIUM	1680.0000	1650.0000	mg/L	0.5000	2087.0000	< 2.5000	< 2.5000	17	09/10/03	09/04/03



WQSP-1 Chromium												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
7440-47-3	CHROMIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.5000		< 0.0025	1	09/13/95	09/17/95	
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		2	11/19/96	11/07/96	
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	07/30/96	07/25/96	
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		4	05/02/97	04/24/97	
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	08/15/97	07/24/97	
7440-47-3	CHROMIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0100	6	03/19/98	03/05/98	
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.0500	7	09/17/98	07/15/98	
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	03/08/99	03/03/99	
7440-47-3	CHROMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	9	09/18/99	09/01/99	
7440-47-3	CHROMIUM	0.0280	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	10	03/08/00	03/02/00	
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	11	10/09/00	09/07/00	
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	12	03/29/01	03/01/01	
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	13	09/17/01	09/06/01	
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0110	14	03/10/02	03/06/02	
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	15	09/12/02	09/05/02	
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000	< 0.0100	< 0.0100	16	03/10/03	03/05/03	
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000	< 0.0250	< 0.0250	17	10/10/03	09/04/03	

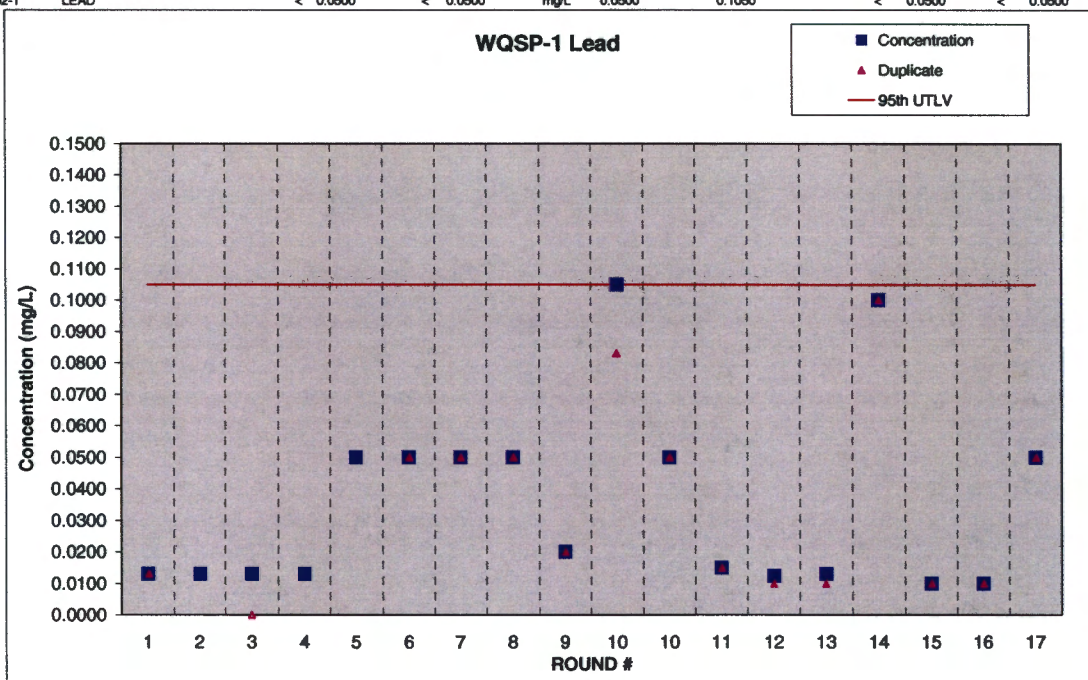


WQSP-1 Iron											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-99-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	1.3200		< 0.5000	1	08/28/95	08/17/95
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	2	05/07/96	04/11/96
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	3	07/30/96	07/25/96
7439-99-6	IRON	< 1.0000	1.3200	mg/L	1.0000	1.3200	< 0.1000	< 0.1000	4	05/02/97	04/24/97
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	5	08/15/97	07/24/97
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.0500	6	03/19/98	03/05/98
7439-99-6	IRON	< 0.3000	0.3000	mg/L	0.3000	1.3200		< 0.3000	7	08/17/98	07/15/98
7439-99-6	IRON	< 0.1000	< 0.1000	mg/L	0.1000	1.3200		< 0.1000	8	03/08/99	03/03/99
7439-99-6	IRON	< 0.1000	< 0.1000	mg/L	0.1000	1.3200		< 0.1000	9	09/16/99	09/01/99
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.5000	10	03/06/00	03/02/00
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.5000	11	10/09/00	09/07/00
7439-99-6	IRON	< 0.0500	< 0.0500	mg/L	0.0500	1.3200		< 0.0500	12	04/26/01	03/01/01
7439-99-6	IRON	0.0800	< 0.0500	mg/L	0.0500	1.3200		< 0.0500	13	09/18/01	09/09/01
7439-99-6	IRON	< 0.2000	< 0.2000	mg/L	0.2000	1.3200		< 0.0550	14	03/10/02	03/06/02
7439-99-6	IRON	0.3580	0.2530	mg/L	0.5000	1.3200	< 0.2500	< 0.2500	15	09/12/02	09/05/02
7439-99-6	IRON	< 0.0500	< 0.0500	mg/L	0.0500	1.3200	< 0.0500	< 0.0500	16	03/10/03	03/05/03
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.5000	< 0.5000	17	10/10/03	09/04/03

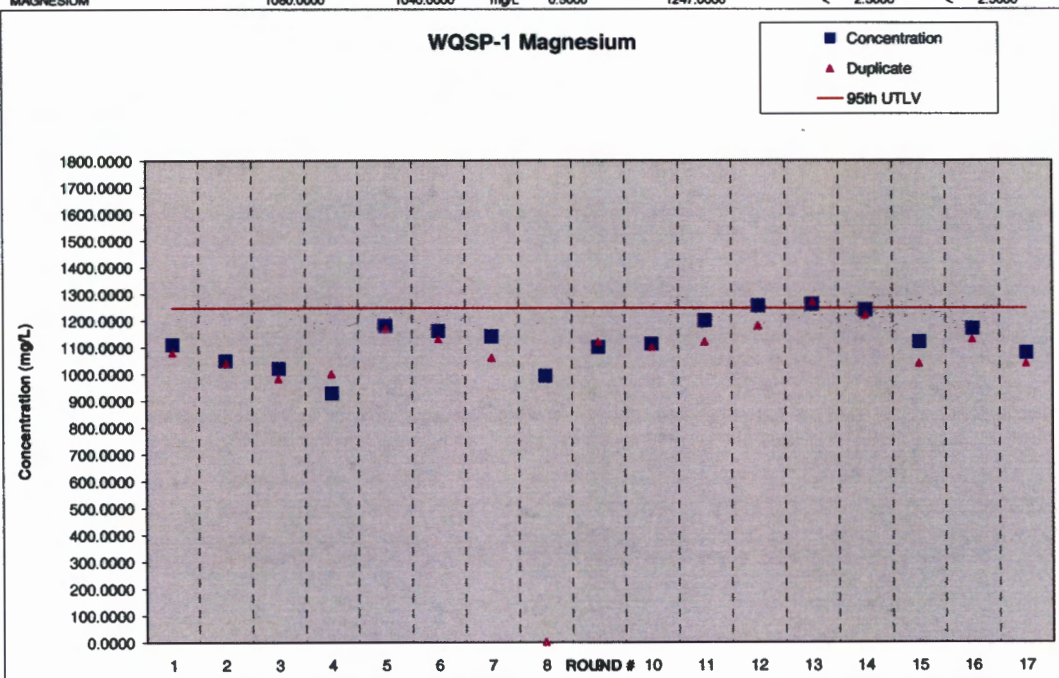


WQSP-1 Lead

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0130	< 0.0130	mg/L	0.0130	0.1050		< 0.0130	1	09/13/95	08/17/95
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1050	< 0.0050		2	11/19/96	11/07/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1050	< 0.0050		3	07/30/96	07/25/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1050	< 0.0050		4	06/02/97	04/24/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.1050	< 0.0050		5	08/15/97	07/24/97
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1050		< 0.0050	6	03/19/98	03/05/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1050		< 0.0500	7	08/17/98	07/15/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1050		< 0.0500	8	03/09/99	03/03/99
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.1050		< 0.0200	9	09/16/99	09/01/99
7439-92-1	LEAD	0.1050	0.0830	mg/L	0.0330	0.1050		< 0.0030	10	03/09/00	03/02/00
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1050			10	06/19/00	06/19/00
7439-92-1	LEAD	0.0150	0.0150	mg/L	0.0200	0.1050		< 0.0200	11	10/09/00	09/07/00
7439-92-1	LEAD	0.0124	< 0.0100	mg/L	0.0100	0.1050		0.0100	12	03/28/01	03/01/01
7439-92-1	LEAD	0.0130	< 0.0100	mg/L	0.0100	0.1050		< 0.0100	13	09/17/01	09/08/01
7439-92-1	LEAD	< 0.1000	< 0.1000	mg/L	0.1000	0.1050		< 0.0110	14	03/10/02	03/06/02
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1050	< 0.0100	< 0.0100	15	10/02/02	09/05/02
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1050	< 0.0100	< 0.0100	16	03/10/03	03/05/03
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1050	< 0.0500	< 0.0500	17	10/10/03	09/04/03

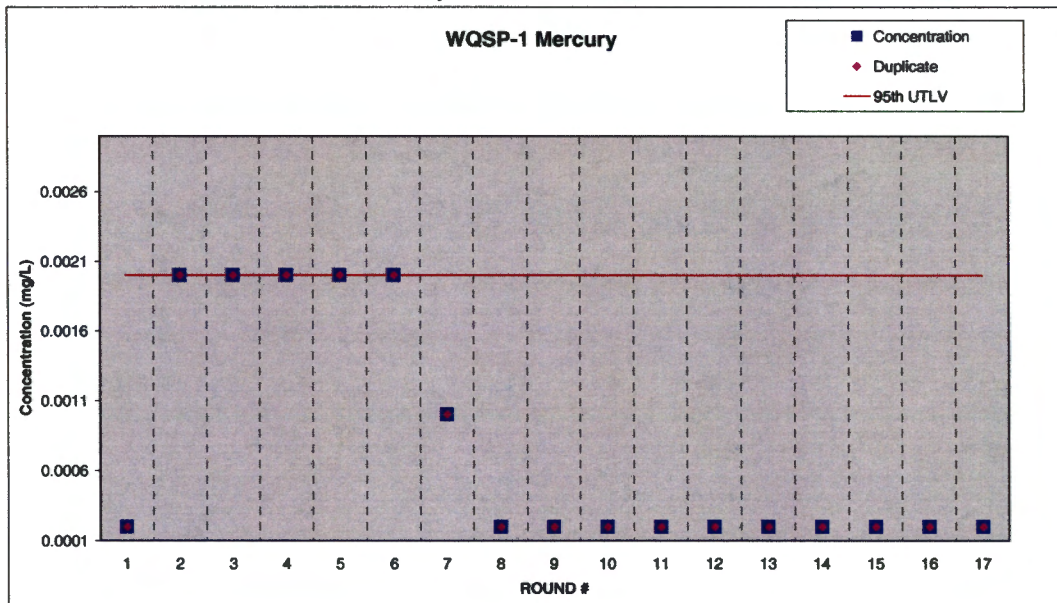


WQSP-1 Magnesium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
7439-95-4	MAGNESIUM	1110.0000	1080.0000	mg/L	1.0000	1247.0000		< 0.1000	1	09/28/95	08/17/95
7439-95-4	MAGNESIUM	1050.0000	1040.0000	mg/L	0.5000	1247.0000	< 0.0500	< 0.0500	2	05/07/96	04/11/96
7439-95-4	MAGNESIUM	1020.0000	982.0000	mg/L	0.5000	1247.0000	< 0.0500	< 0.0500	3	07/20/96	07/25/96
7439-95-4	MAGNESIUM	928.0000	1000.0000	mg/L	1.0000	1247.0000	< 0.1000	< 0.1000	4	05/02/97	04/24/97
7439-95-4	MAGNESIUM	1180.0000	1170.0000	mg/L	0.5000	1247.0000	< 0.0500	< 0.0500	5	09/15/97	07/24/97
7439-95-4	MAGNESIUM	1180.0000	1130.0000	mg/L	0.5000	1247.0000		< 0.0500	6	03/19/98	03/05/98
7439-95-4	MAGNESIUM	1140.0000	1080.0000	mg/L	0.5000	1247.0000		< 0.5000	7	09/17/98	07/15/98
7439-95-4	MAGNESIUM	993.0000	< 1.0000	mg/L	0.5000	1247.0000		< 0.5000	8	03/15/99	03/03/99
7439-95-4	MAGNESIUM	1100.0000	1120.0000	mg/L	0.5000	1247.0000		< 0.5000	9	09/18/99	09/01/99
7439-95-4	MAGNESIUM	1112.0000	1100.0000	mg/L	5.0000	1247.0000		< 5.0000	10	03/08/00	03/02/00
7439-95-4	MAGNESIUM	1200.0000	1120.0000	mg/L	2.0000	1247.0000		0.0200	11	10/11/00	09/07/00
7439-95-4	MAGNESIUM	1255.0000	1180.0000	mg/L	0.5000	1247.0000		< 0.5000	12	05/10/01	03/01/01
7439-95-4	MAGNESIUM	1282.0000	1270.0000	mg/L	0.2000	1247.0000		< 0.2000	13	10/02/01	09/08/01
7439-95-4	MAGNESIUM	1240.0000	1220.0000	mg/L	0.2000	1247.0000		< 0.5500	14	03/18/02	03/08/02
7439-95-4	MAGNESIUM	1120.0000	1040.0000	mg/L	0.5000	1247.0000	< 5.0000	< 5.0000	15	10/02/02	09/05/02
7439-95-4	MAGNESIUM	1170.0000	1130.0000	mg/L	0.5000	1247.0000	< 0.5000	< 0.5000	16	04/04/03	03/05/03
7439-95-4	MAGNESIUM	1080.0000	1040.0000	mg/L	0.5000	1247.0000	< 2.5000	< 2.5000	17	09/10/03	09/04/03

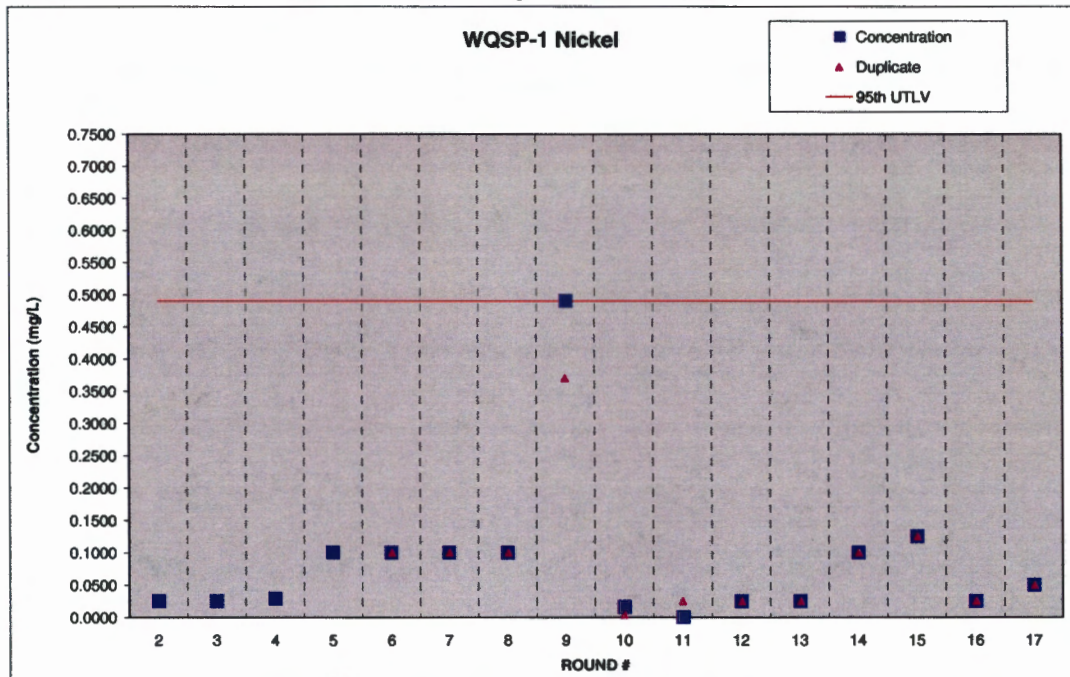


WQSP-1 Mercury

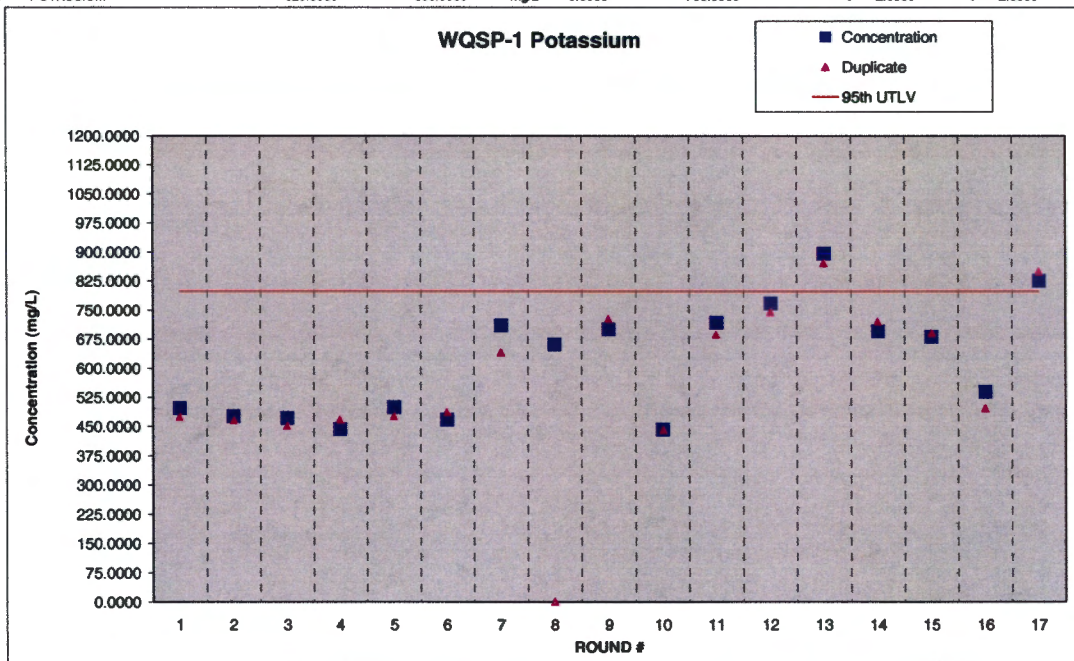
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
===== MERCURY =====											
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	1	08/28/95	08/17/95
7439-97-6	MERCURY	< 0.0020	< 0.0020	mg/L	0.0020	0.0020	< 0.0002		2	11/11/96	11/07/96
7439-97-6	MERCURY	< 0.0020	< 0.0020	mg/L	0.0020	0.0020	< 0.0002		3	07/31/96	07/25/96
7439-97-6	MERCURY	< 0.0020	< 0.0020	mg/L	0.0020	0.0020	< 0.0002		4	04/29/97	04/24/97
7439-97-6	MERCURY	< 0.0020	< 0.0020	mg/L	0.0020	0.0020	< 0.0002		5	07/29/97	07/24/97
7439-97-6	MERCURY	< 0.0020	< 0.0020	mg/L	0.0020	0.0020	< 0.0002	< 0.0002	6	03/18/98	03/05/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020	< 0.0010	< 0.0010	7	08/03/98	07/15/98
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	8	03/09/99	03/03/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	9	09/03/99	09/01/99
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	10	3/16/00	03/02/00
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	11	09/18/00	09/07/00
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	12	03/02/01	03/01/01
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	13	09/13/01	09/06/01
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	14	03/11/02	03/06/02
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	15	09/16/02	09/05/02
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	16	03/15/03	03/05/03
7439-97	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	17	09/09/03	09/04/03



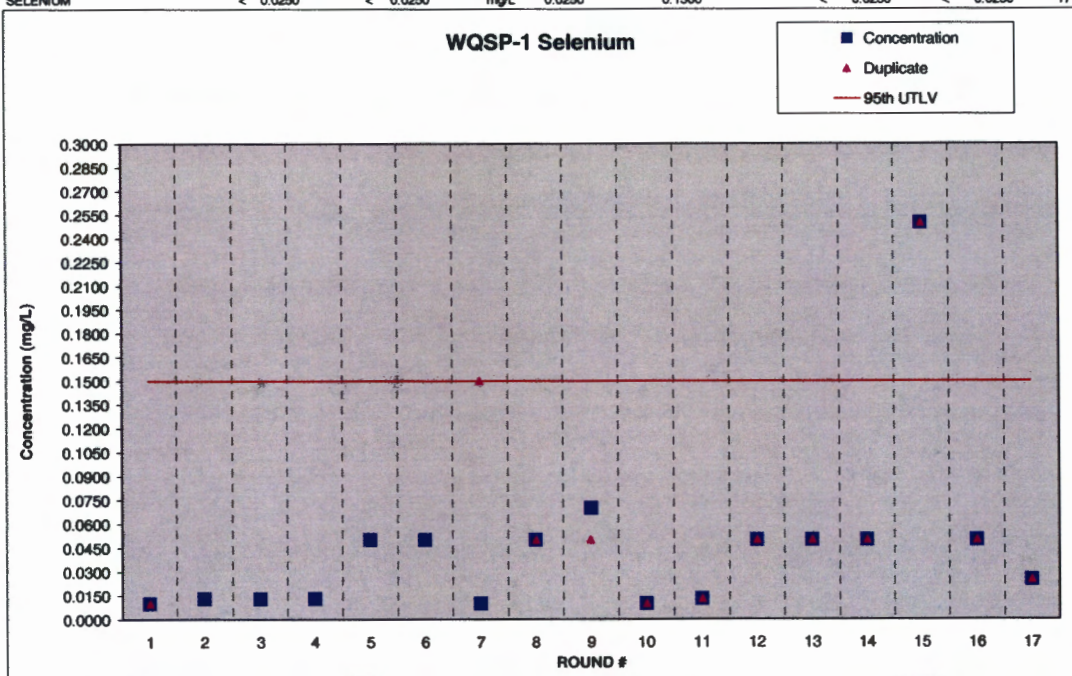
WQSP-1 Nickel											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.4900	< 0.0100		2	11/19/96	11/07/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.4900	< 0.0100		3	07/30/96	07/25/96
7440-02-0	NICKEL	0.0290		mg/L	0.0250	0.4900	< 0.0100		4	05/02/97	04/24/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.4900	< 0.0100		5	08/15/97	07/24/97
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4900		< 0.0100	6	03/19/98	03/05/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4900		< 0.1000	7	06/17/98	07/15/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4900		< 0.1000	8	03/08/99	03/03/99
7440-02-0	NICKEL	0.4800	0.3700	mg/L	0.0500	0.4900		< 0.0500	9	09/16/99	09/01/99
7440-02-0	NICKEL	0.0180	0.0040	mg/L	0.0400	0.4900		< 0.0500	10	03/08/00	03/02/00
7440-02-0	NICKEL	< 0.025	< 0.0250	mg/L	0.0250	0.4900		< 0.0250	11	10/09/00	09/07/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4900		< 0.0250	12	03/28/01	03/01/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4900		< 0.0250	13	06/17/01	06/08/01
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4900		< 0.0275	14	03/10/02	03/08/02
7440-02-0	NICKEL	< 0.1250	< 0.1250	mg/L	0.1250	0.4900	< 0.1250	< 0.1250	15	06/12/02	06/05/02
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4900	< 0.0250	< 0.0250	16	03/10/03	03/05/03
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	0.4900	< 0.0500	< 0.0500	17	10/10/03	09/04/03



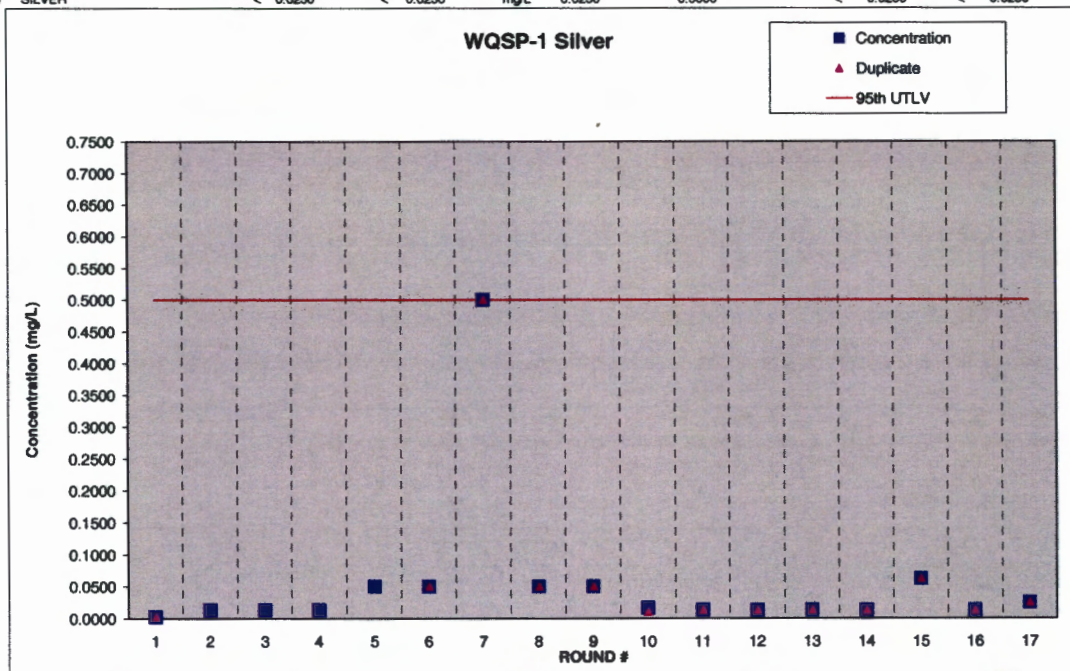
WQSP-1 Potassium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-09-7	POTASSIUM	497.0000	474.0000	mg/L	0.2000	799.0000		< 0.2000	1	08/28/95	08/17/95
7440-09-7	POTASSIUM	476.0000	465.0000	mg/L	10.0000	799.0000	< 0.2000	< 0.2000	2	04/25/96	04/11/96
7440-09-7	POTASSIUM	471.0000	451.0000	mg/L	2.0000	799.0000	< 0.2000	< 0.2000	3	07/30/96	07/25/96
7440-09-7	POTASSIUM	443.0000	468.0000	mg/L	2.0000	799.0000	< 0.2000	< 0.2000	4	05/01/97	04/24/97
7440-09-7	POTASSIUM	499.0000	476.0000	mg/L	2.0000	799.0000	< 0.2000	< 0.2000	5	07/29/97	07/24/97
7440-09-7	POTASSIUM	487.0000	487.0000	mg/L	2.0000	799.0000		< 0.2000	6	03/19/98	03/05/98
7440-09-7	POTASSIUM	710.0000	640.0000	mg/L	0.5000	799.0000		< 0.5000	7	08/17/98	07/15/98
7440-09-7	POTASSIUM	661.0000	< 1.0000	mg/L	1.0000	799.0000		< 1.0000	8	03/15/99	03/03/99
7440-09-7	POTASSIUM	700.0000	726.0000	mg/L	0.5000	799.0000		< 0.5000	9	09/18/99	09/01/99
7440-09-7	POTASSIUM	442.0000	441.0000	mg/L	5.0000	799.0000		0.0210	10	03/08/00	03/02/00
7440-09-7	POTASSIUM	717.0000	687.0000	mg/L	2.0000	799.0000		0.2500	11	10/11/00	09/07/00
7440-09-7	POTASSIUM	767.0000	745.0000	mg/L	0.5000	799.0000		0.5300	12	05/10/01	03/01/01
7440-09-7	POTASSIUM	896.0000	871.0000	mg/L	0.2000	799.0000		< 0.3000	13	10/02/01	09/06/01
7440-09-7	POTASSIUM	695.0000	721.0000	mg/L	0.2000	799.0000		< 0.5500	14	04/24/02	03/06/02
7440-09-7	POTASSIUM	661.0000	661.0000	mg/L	0.5000	799.0000	< 5.0000	< 5.0000	15	10/02/02	09/05/02
7440-09-7	POTASSIUM	539.0000	497.0000	mg/L	0.5000	799.0000	< 0.5000	< 0.5000	16	03/31/03	03/05/03
7440-09-7	POTASSIUM	825.0000	850.0000	mg/L	0.5000	799.0000	< 2.5000	< 2.5000	17	09/10/03	09/04/03



WQSP-1 Selenium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1500		< 0.0020	1	10/09/95	08/17/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		2	11/19/96	11/07/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		3	07/30/96	07/25/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		4	05/02/97	04/24/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1500	< 0.0050		5	08/15/97	07/24/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1500		< 0.0050	6	03/19/98	03/05/98
7782-49-2	SELENIUM	< 0.0100	0.1500	mg/L	0.0100	0.1500		0.0100	7	06/17/98	07/15/98
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	8	03/08/99	03/03/99
7782-49-2	SELENIUM	0.0700	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	9	09/19/99	09/01/99
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1500		< 0.0100	10	03/08/00	03/02/00
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.1500		< 0.0130	11	10/09/00	09/07/00
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	12	03/28/01	03/01/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	13	08/17/01	08/06/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0550	14	03/10/02	03/06/02
7782-49-2	SELENIUM	< 0.2500	< 0.2500	mg/L	0.2500	0.1500	< 0.2500	< 0.2500	15	08/12/02	08/05/02
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500	< 0.0500	< 0.0500	16	03/10/03	03/05/03
7782-49-2	SELENIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1500	< 0.0250	< 0.0250	17	10/10/03	09/04/03

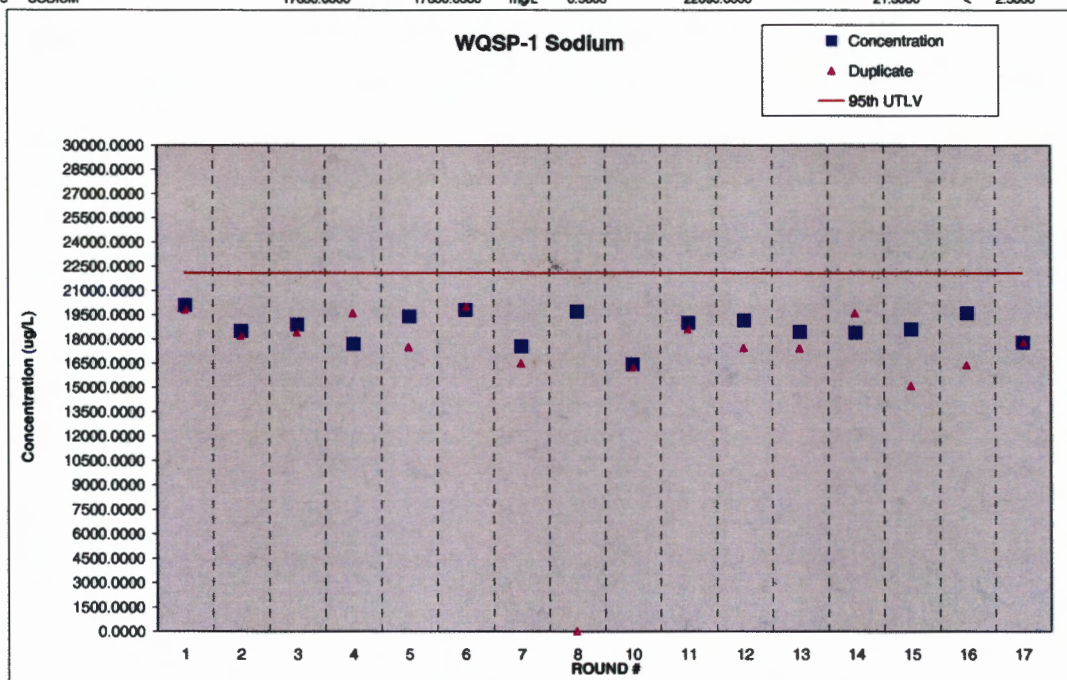


WQSP-1 Silver											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	< 0.0025	< 0.0025	mg/L	0.0025	0.5000		< 0.0025	1	09/13/95	09/17/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	11/19/96	11/07/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/30/96	07/25/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	05/02/97	04/24/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	08/15/97	07/24/97
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0050	6	03/19/98	03/05/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	7	08/17/98	07/15/98
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	8	03/06/99	03/03/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	9	09/17/99	09/01/99
7440-22-4	SILVER	0.0180	< 0.0100	mg/L	0.0100	0.5000	< 0.0100	< 0.0100	10	03/06/00	03/02/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000	< 0.0130	< 0.0130	11	10/09/00	09/07/00
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000	< 0.0125	< 0.0125	12	04/26/01	03/01/01
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000	< 0.0130	< 0.0130	13	09/17/01	09/08/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0138	14	03/10/02	03/08/02
7440-22-4	SILVER	< 0.0825	< 0.0825	mg/L	0.0825	0.5000	< 0.0825	< 0.0825	15	09/12/02	09/05/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000	< 0.0125	< 0.0125	16	03/10/03	03/05/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5000	< 0.0250	< 0.0250	17	10/10/03	09/04/03



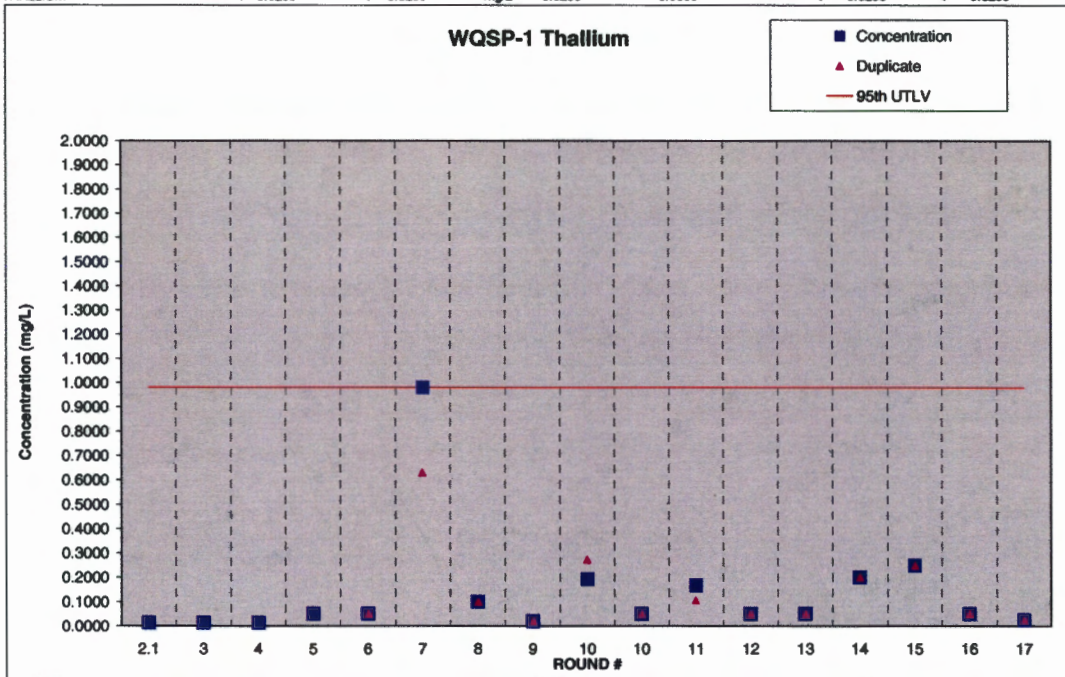
WQSP-1 Sodium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-6	SODIUM	20100.0000	19800.0000	mg/L	5.0000	22090.0000	< 0.5000	< 0.5000	1	08/28/96	08/17/96
7440-23-6	SODIUM	18500.0000	18200.0000	mg/L	25.0000	22090.0000	< 0.5000	< 0.5000	2	04/25/98	04/11/98
7440-23-6	SODIUM	18900.0000	18400.0000	mg/L	25.0000	22090.0000	< 0.5000	< 0.5000	3	07/30/98	07/25/98
7440-23-6	SODIUM	17700.0000	19800.0000	mg/L	10.0000	22090.0000	< 0.5000	< 0.2000	4	05/01/97	04/24/97
7440-23-6	SODIUM	19400.0000	17500.0000	mg/L	10.0000	22090.0000	< 0.2000	< 0.2000	5	07/29/97	07/24/97
7440-23-6	SODIUM	19800.0000	20000.0000	mg/L	4.0000	22090.0000	< 0.2000	< 0.2000	6	03/19/98	03/05/98
7440-23-6	SODIUM	17550.0000	16500.0000	mg/L	0.5000	22090.0000	< 0.5000	< 0.5000	7	08/17/98	07/15/98
7440-23-6	SODIUM	19700.0000	< 1.0000	mg/L	1.0000	22090.0000	< 1.0000	< 1.0000	8	03/15/99	03/03/99
7440-23-6	SODIUM	18448.0000	18234.0000	mg/L	5.0000	22090.0000	< 5.0000	< 5.0000	10	03/09/00	03/02/00
7440-23-6	SODIUM	19000.0000	18900.0000	mg/L	2.0000	22090.0000	< 0.5400	< 0.5400	11	10/11/00	09/07/00
7440-23-6	SODIUM	19170.0000	17480.0000	mg/L	0.5000	22090.0000	< 0.7300	< 0.7300	12	05/10/01	03/01/01
7440-23-6	SODIUM	18450.0000	17430.0000	mg/L	0.2000	22090.0000	< 0.3590	< 0.3590	13	10/03/01	09/08/01
7440-23-6	SODIUM	18400.0000	19800.0000	mg/L	0.2000	22090.0000	< 0.5500	< 0.5500	14	03/18/02	03/08/02
7440-23-6	SODIUM	18800.0000	15100.0000	mg/L	0.5000	22090.0000	9.7800	14.8000	15	10/02/02	09/05/02
7440-23-6	SODIUM	19800.0000	18400.0000	mg/L	0.5000	22090.0000	< 0.5000	< 0.5000	16	04/07/03	03/05/03
7440-23-6	SODIUM	17800.0000	17800.0000	mg/L	0.5000	22090.0000	21.3000	< 2.5000	17	09/10/03	09/04/03

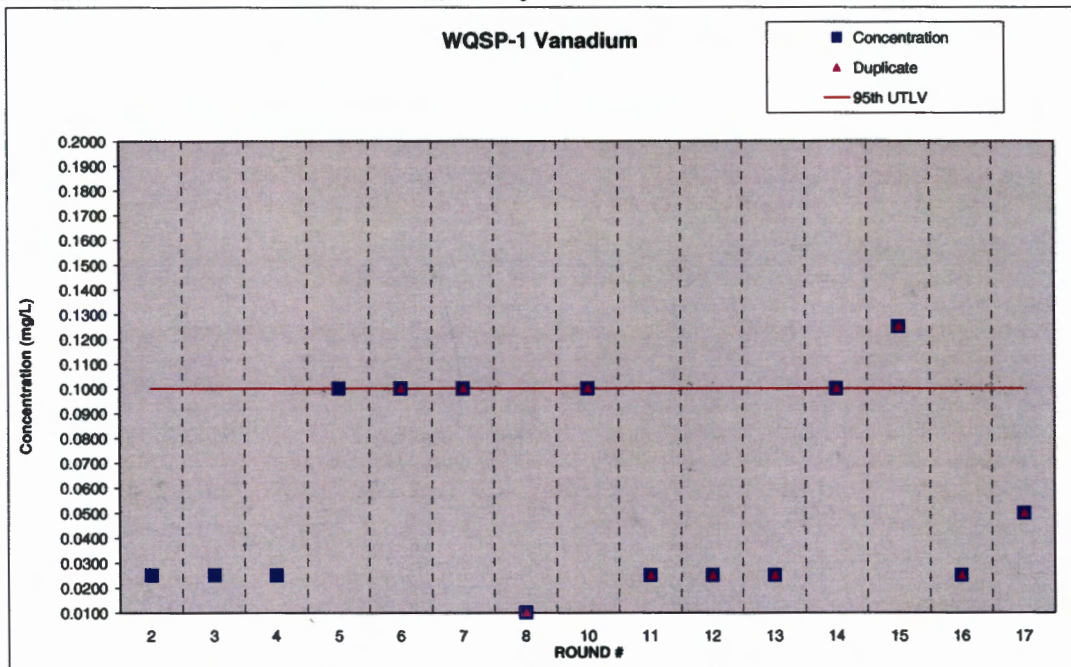


WQSP-1 Thallium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		2.1	11/19/96	11/07/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		3	07/30/96	07/25/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		4	05/02/97	04/24/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.9800	< 0.0050		5	08/15/97	07/24/97
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0050	6	03/19/98	03/05/98
7440-28-0	THALLIUM	0.9800	0.6300	mg/L	0.0050	0.9800		< 0.0050	7	08/17/98	07/15/98
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.9800		< 0.1000	8	03/08/99	03/03/99
7440-28-0	THALLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.9800		< 0.0200	9	09/16/99	09/01/99
7440-28-0	THALLIUM	0.1920	0.2720	mg/L	0.0100	0.9800		< 0.0100	10	03/06/00	03/02/00
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800			10	06/19/00	06/19/00
7440-28-0	THALLIUM	0.1670	0.1080	mg/L	0.0130	0.9800		0.0140	11	10/08/00	09/07/00
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0500	12	03/28/01	03/01/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0500	13	09/17/01	09/08/01
7440-28-0	THALLIUM	< 0.2000	< 0.2000	mg/L	0.2000	0.9800		< 0.0550	14	03/10/02	03/08/02
7440-28-0	THALLIUM	< 0.2500	< 0.2500	mg/L	0.2500	0.9800	< 0.2500	< 0.2500	15	09/12/02	09/05/02
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800	< 0.0500	< 0.0500	16	03/10/03	03/05/03
7440-28-0	THALLIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.9800	< 0.0250	< 0.0250	17	10/10/03	09/04/03



WQSP-1 Vanadium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-62-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		2	11/19/96	11/07/96
7440-62-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		3	07/30/96	07/25/96
7440-62-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		4	06/02/97	04/24/97
7440-62-2	VANADIUM	< 0.1000		mg/L	0.1000	0.1000	< 0.0100		5	08/15/97	07/24/97
7440-62-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.0100	6	03/19/98	03/05/98
7440-62-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	7	09/17/98	07/15/98
7440-62-2	VANADIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	8	03/08/99	03/03/99
7440-62-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	10	03/08/00	03/02/00
7440-62-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	11	10/09/00	09/07/00
7440-62-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	12	03/28/01	03/01/01
7440-62-2	VANADIUM	0.0250	0.0250	mg/L	0.0250	0.1000		< 0.0250	13	09/17/01	09/08/01
7440-62-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.0275	14	03/10/02	03/08/02
7440-62-2	VANADIUM	< 0.1250	< 0.1250	mg/L	0.1250	0.1000	< 0.1250	< 0.1250	15	09/12/02	09/05/02
7440-62-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000	< 0.0250	< 0.0250	16	03/10/03	03/05/03
7440-62-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000	< 0.0500	< 0.0500	17	10/10/03	09/04/03

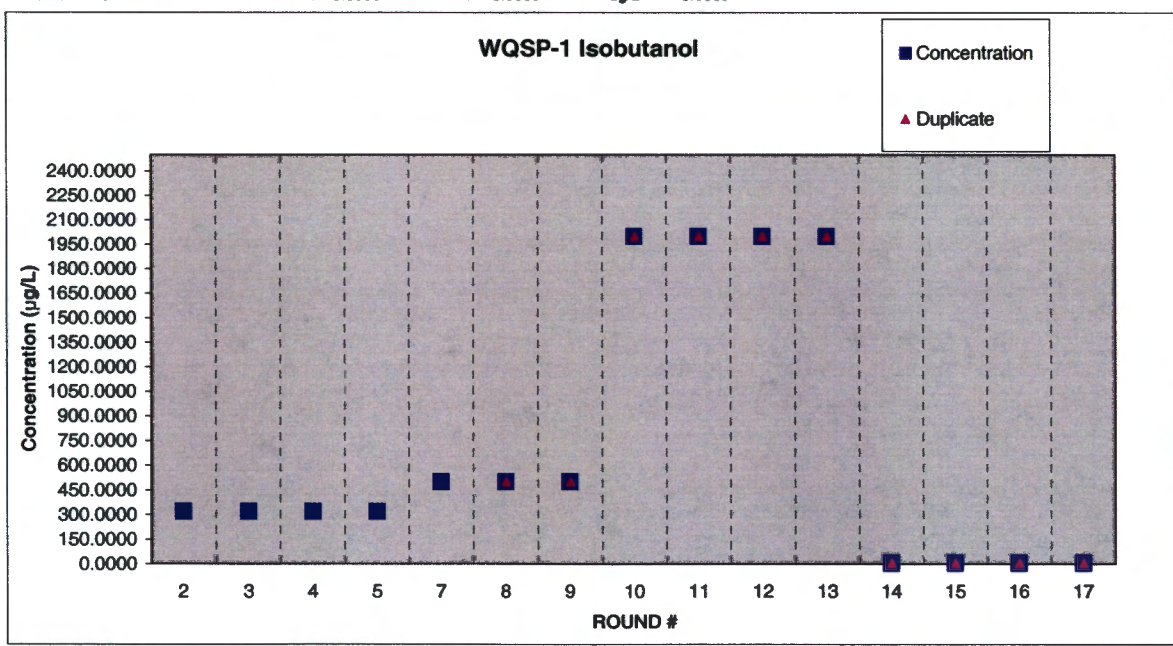


WELL WQSP-1

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**

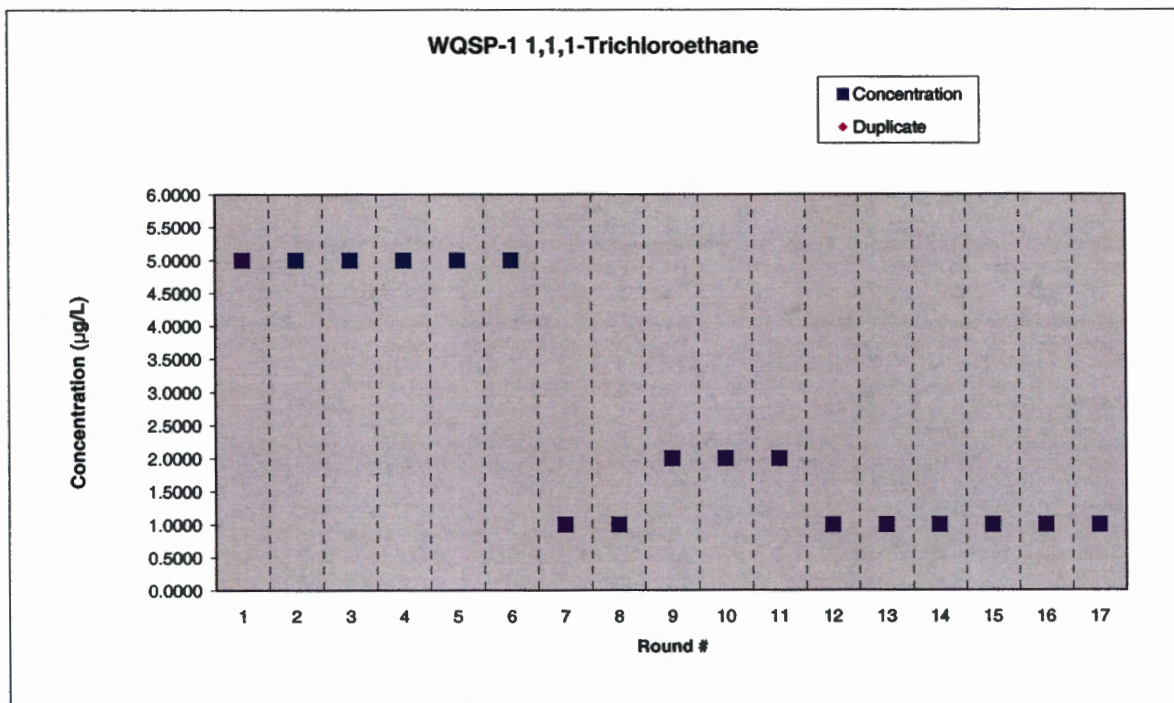
WQSP-1 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	< 320.0000	< 320.0000		2.1	11/14/96	11/07/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	< 320.0000	< 320.0000	< 320.0000	3	08/01/96	07/25/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	< 320.0000	< 320.0000		4	04/29/97	04/24/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	< 320.0000	< 320.0000		5	07/31/97	07/24/97
78-83-1	ISOBUTANOL	< 500.0000		ug/L	500.0000			< 500.0000	7	08/05/98	07/15/98
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				8	03/08/99	03/03/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				9	09/07/99	09/01/99
78-83-1	ISOBUTANOL	< 2000.0000	< 2,000.0000	ug/L	2000.0000		< 2000.0000		10	03/06/00	03/02/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000		< 2000.0000		11	09/14/00	09/07/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000		< 2000.0000		12	03/13/01	03/01/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000		< 2000.0000		13	09/12/01	09/06/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/11/02	03/06/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/10/02	09/05/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/16/03	03/05/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/09/03	09/04/03



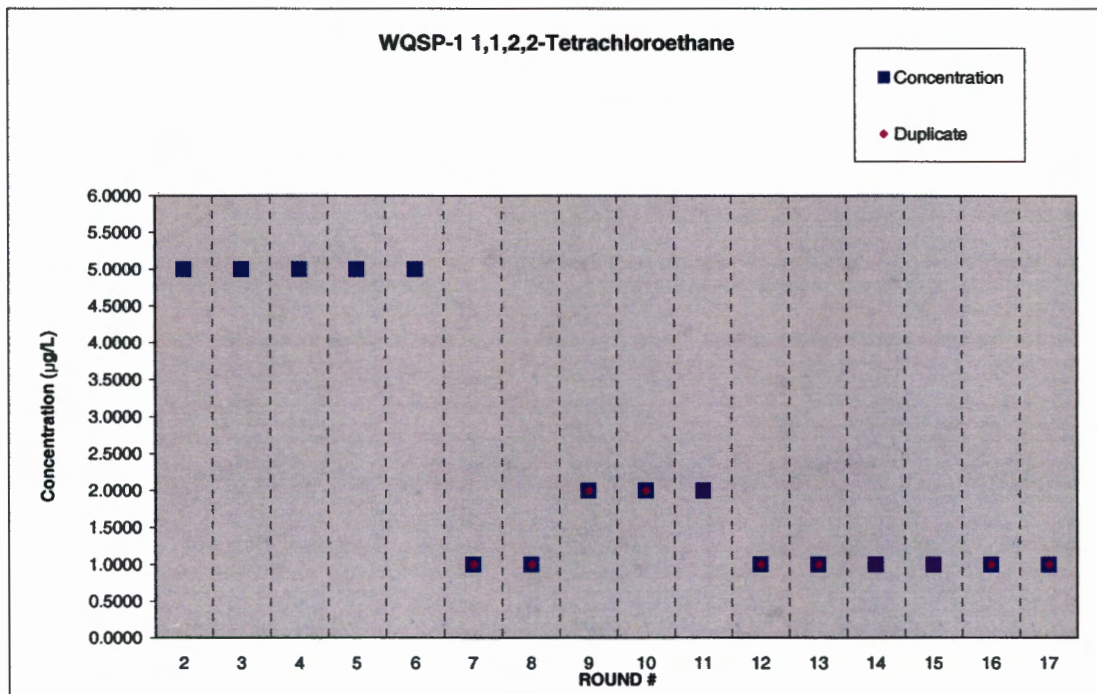
WQSP-1 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	08/31/95	08/17/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/08/97	07/24/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	UG/L	2.0000			< 2.0000	10	03/09/00	03/02/00
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/08/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/18/03	03/05/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



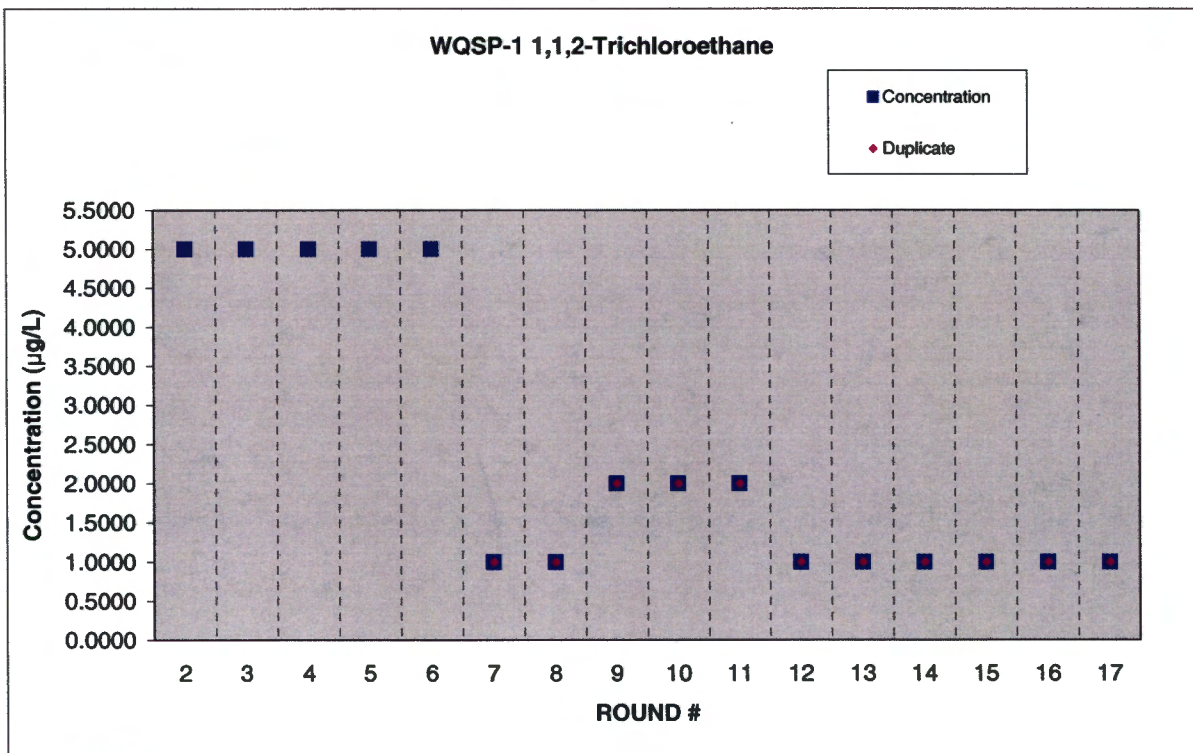
WQSP-1 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/08/97	07/24/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	UG/L	2.0000			< 2.0000	10	03/09/00	03/02/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/18/03	03/05/03
779-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



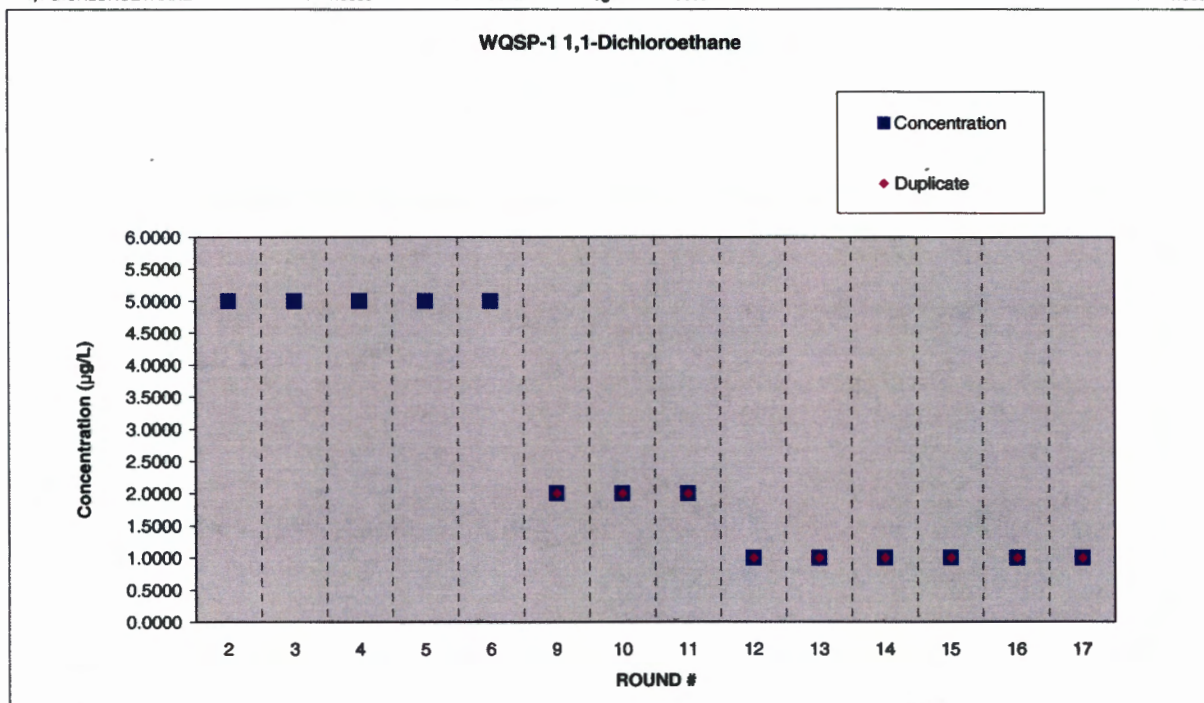
WQSP-1 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/16/98	03/05/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/29/98	07/15/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/10/99	03/03/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		9	09/12/99	09/01/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/l	2.0000		< 2.0000		10	03/06/00	03/02/00
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		11	09/17/00	09/07/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		12	03/05/01	03/01/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		13	09/08/01	09/06/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		14	03/11/02	03/06/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		15	09/10/02	09/05/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		16	03/16/03	03/05/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		17	09/09/03	09/04/03



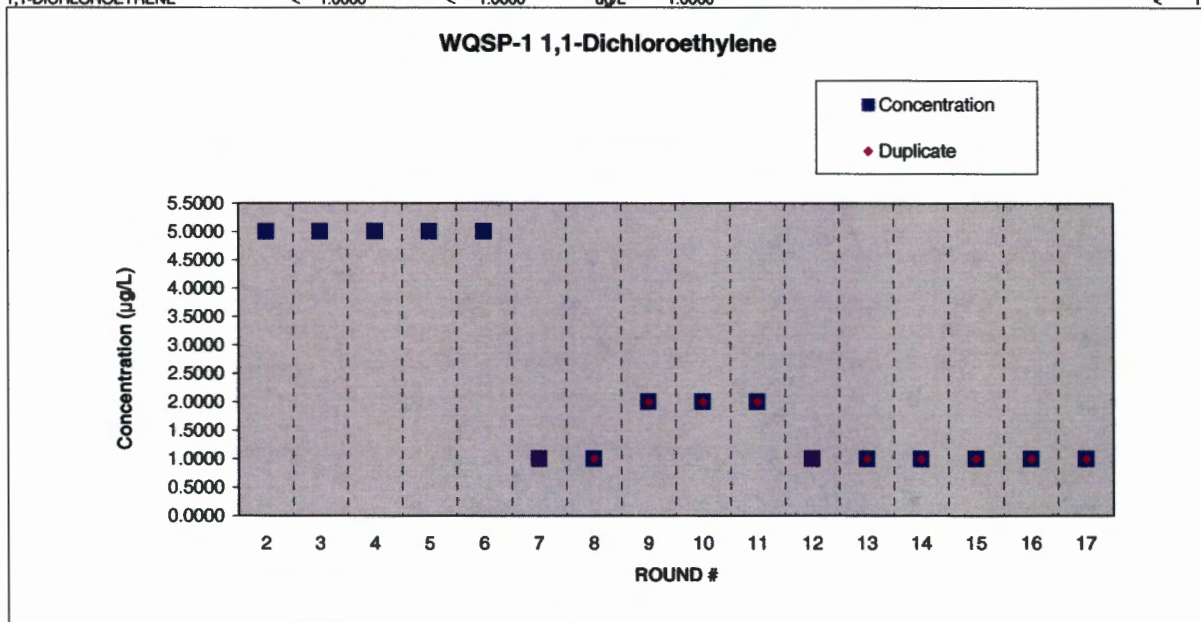
WQSP-1 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2.1	11/13/96	11/07/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000				6	03/09/98	03/05/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/l	2.0000			< 2.0000	10	03/06/00	03/02/00
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	07/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



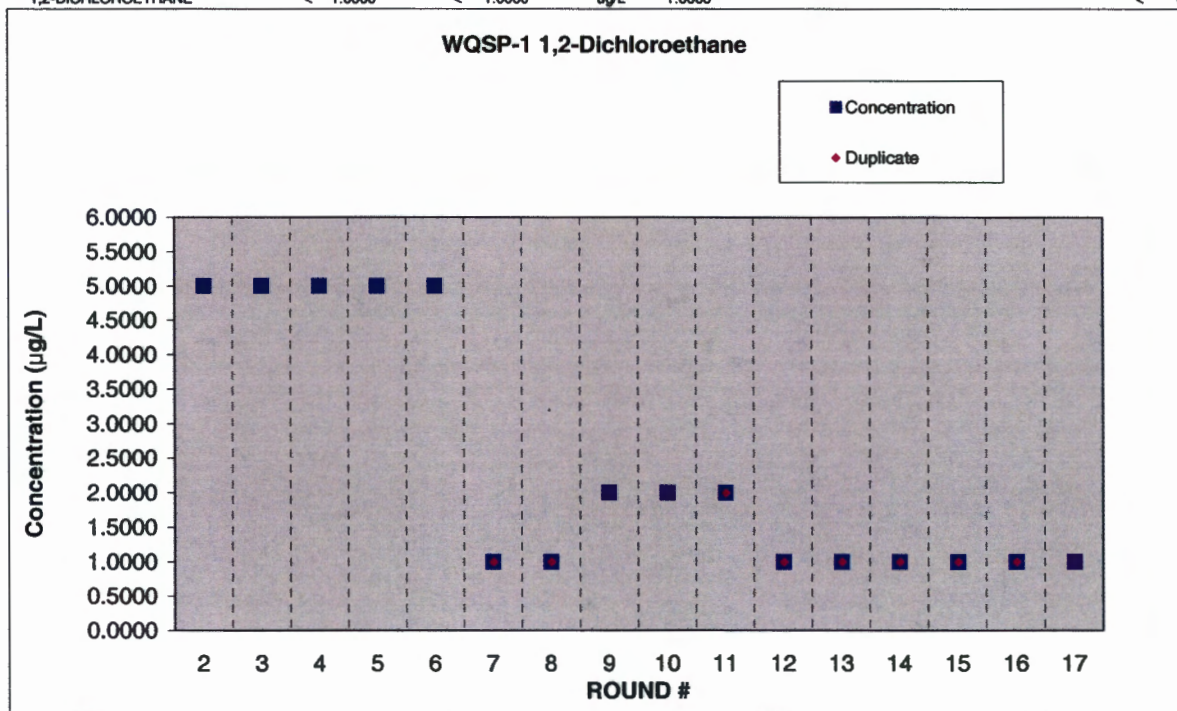
WQSP-1 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/16/98	03/05/98
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/29/98	07/15/98
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/10/99	03/03/99
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		9	09/12/99	09/01/99
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		10	03/06/00	03/02/00
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		11	09/17/00	09/07/00
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		12	03/05/01	03/01/01
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		13	09/08/01	09/06/01
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		14	03/11/02	03/06/02
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		15	09/10/02	09/05/02
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		16	03/16/03	03/05/03
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		17	09/09/03	09/04/03



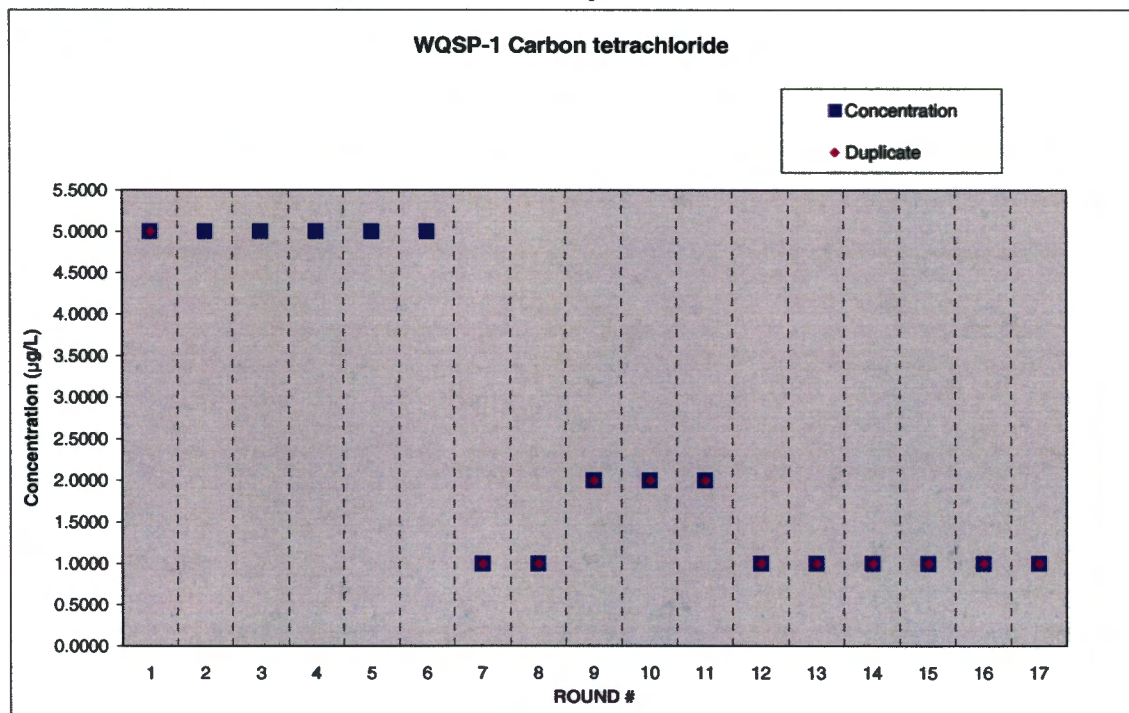
WQSP-1 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



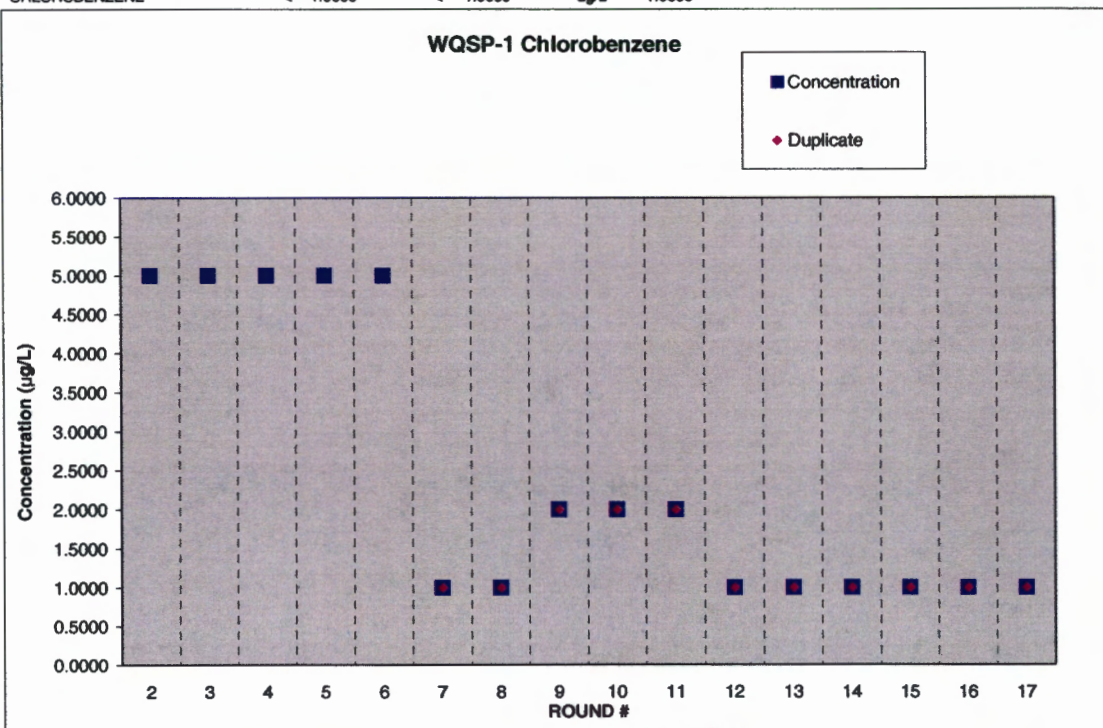
WQSP-1 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	08/31/95	08/17/95
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000			2	11/13/96	11/07/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000		< 5.0000	3	07/30/96	07/25/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000			4	04/29/97	04/24/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000			5	08/06/97	07/24/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	08/01/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



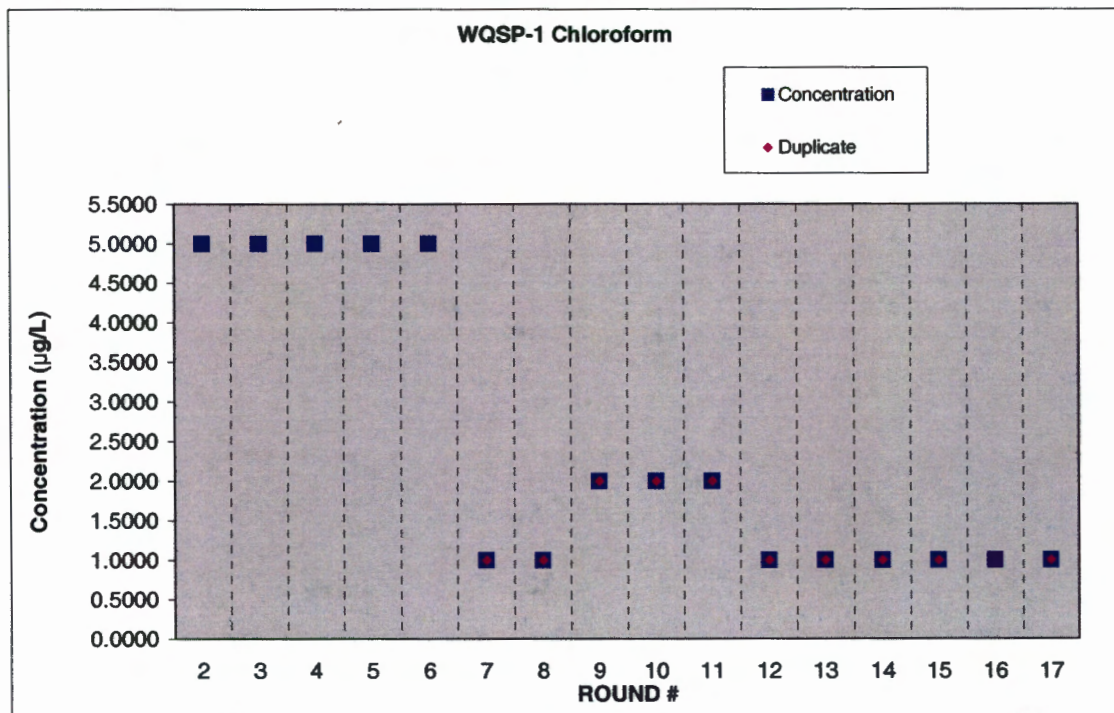
WQSP-1 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/08/97	07/24/97
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
108-90-7	CHLORO BENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
108-90-7	CHLORO BENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
108-90-7	CHLORO BENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/08/02
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



WQSP-1 Chloroform

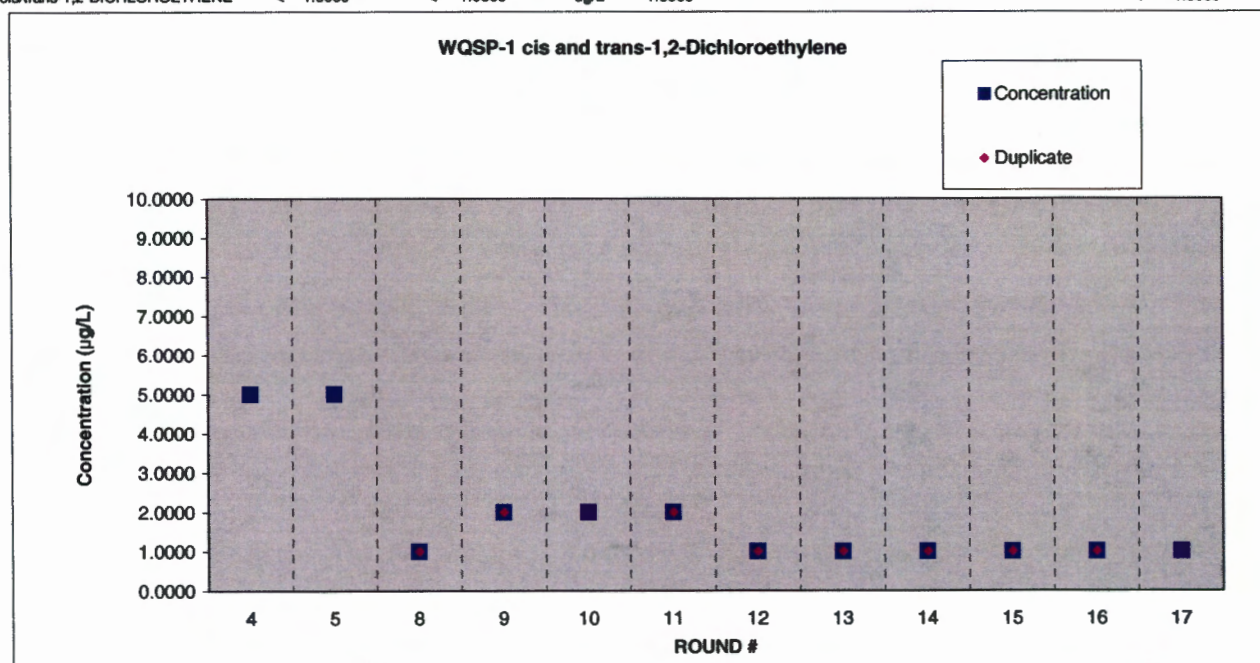
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



WQSP-1 cis and trans-1,2-Dichloroethylene

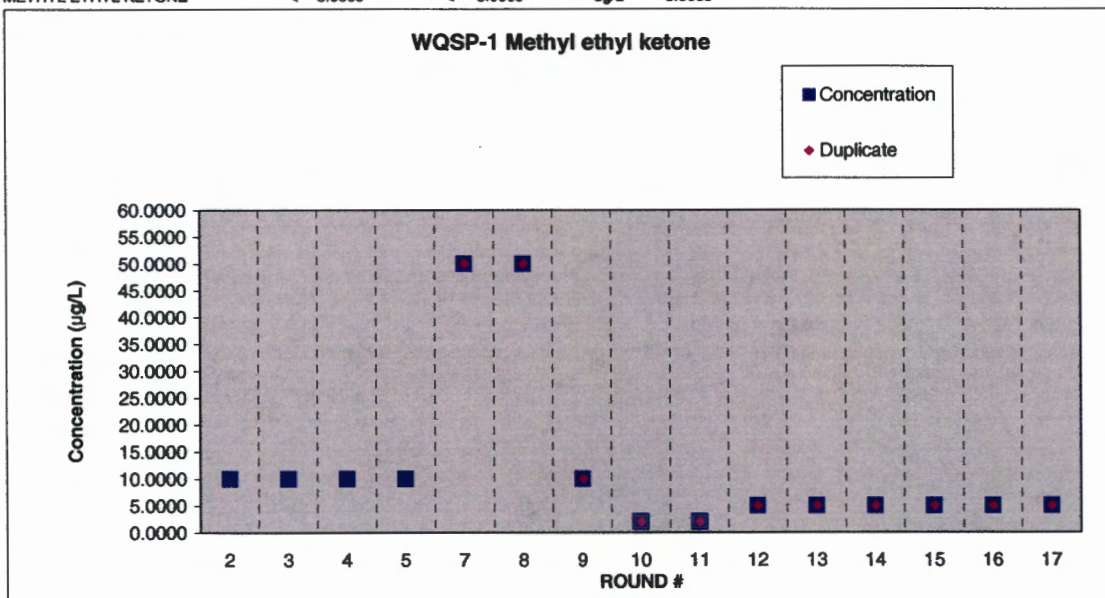
1.7224

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/08/97	07/24/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



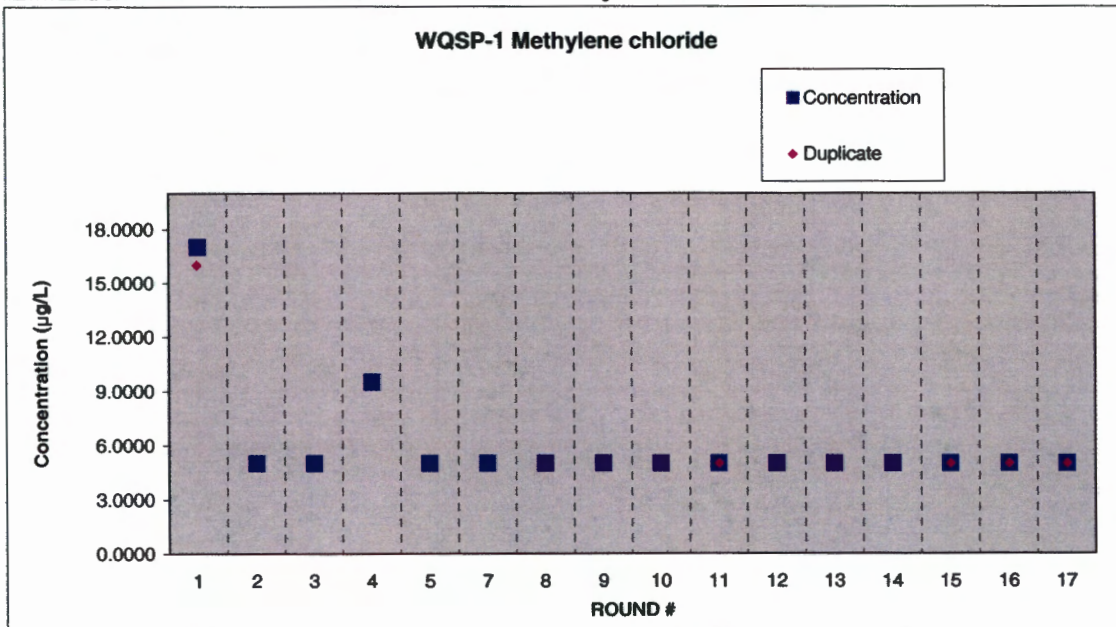
WQSP-1 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/13/96	11/07/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/30/96	07/25/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/29/97	04/24/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/06/97	07/24/97
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	7	07/29/98	07/15/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	03/10/99	03/03/99
78-93-3	METHYL ETHYL KETONE	< 10.0000	< 10.0000	ug/L	10.0000			< 10.0000	9	09/12/99	09/01/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/05/01	03/01/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	09/08/01	09/06/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	03/11/02	03/06/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	09/10/02	09/05/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	03/16/03	03/05/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	09/09/03	09/04/03



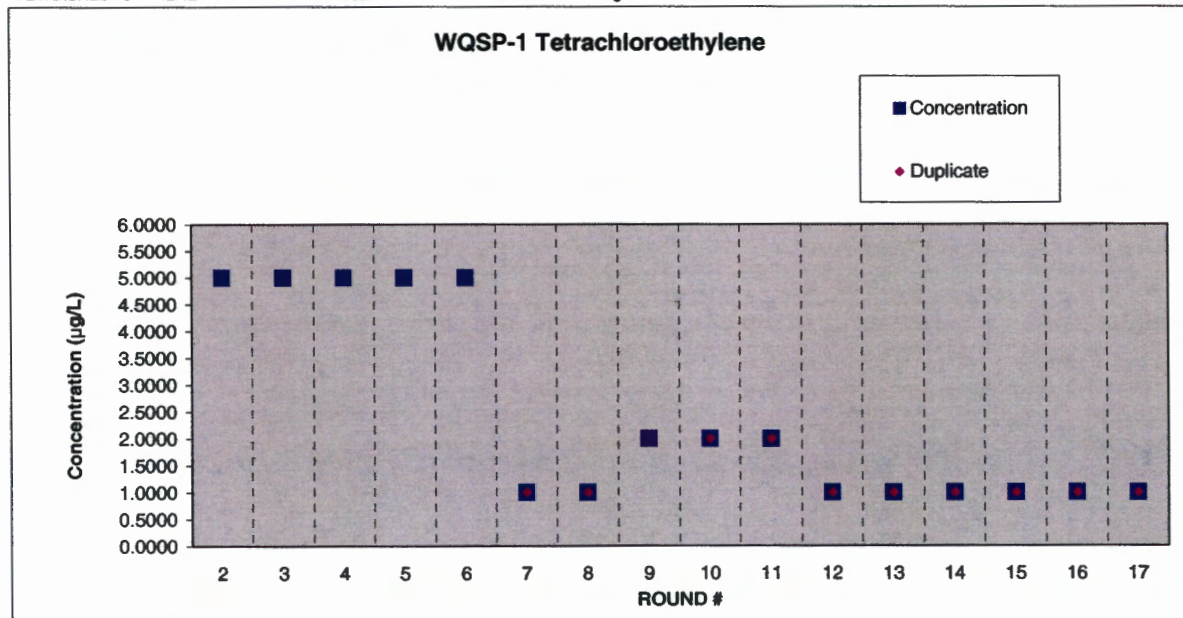
WQSP-1 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	17.0000	16.0000	ug/L	5.0000			14.0000	1	08/31/95	08/17/95
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000			2.1	11/13/96	11/07/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000	< 5.0000		3	07/30/96	07/25/96
75-09-2	METHYLENE CHLORIDE	9.5000		ug/L	5.0000	21.0000			4	04/29/97	04/24/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000	< 5.0000			5	08/06/97	07/24/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		7	07/29/98	07/15/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		8	03/10/99	03/03/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	09/12/99	09/01/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	09/17/00	09/07/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/05/01	03/01/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		13	09/08/01	09/06/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		14	03/11/02	03/06/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		15	09/10/02	09/05/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		16	03/16/03	03/05/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		17	09/09/03	09/04/03



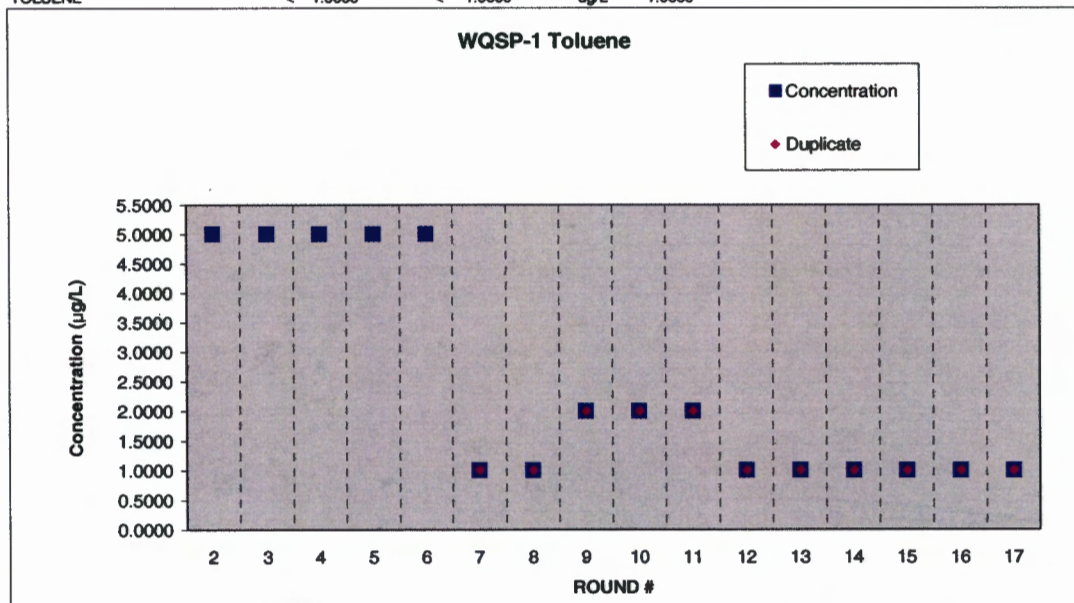
WQSP-1 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



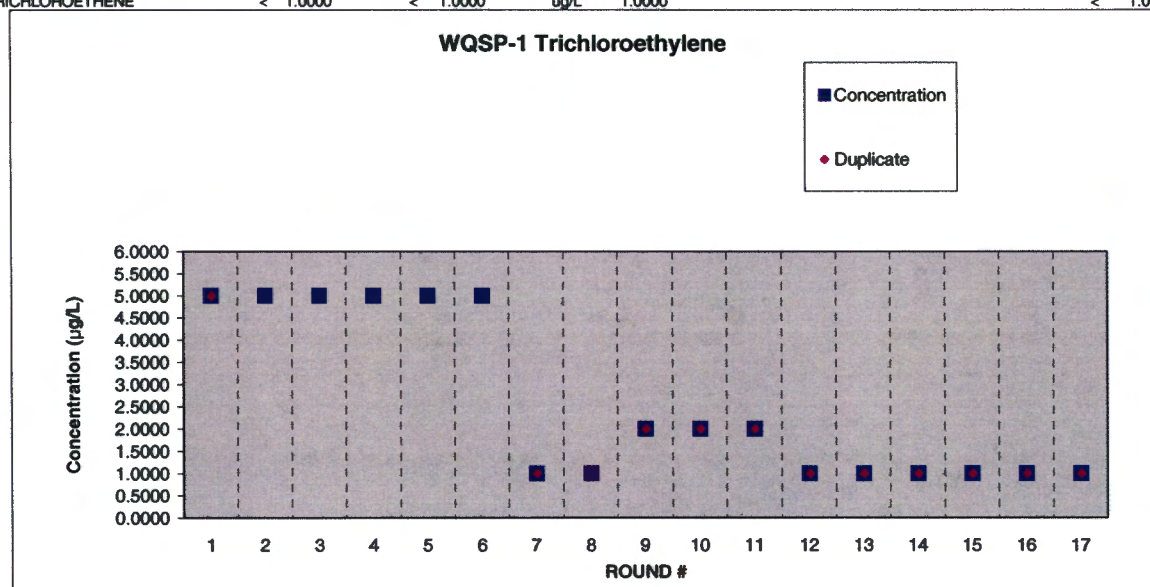
WQSP-1 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



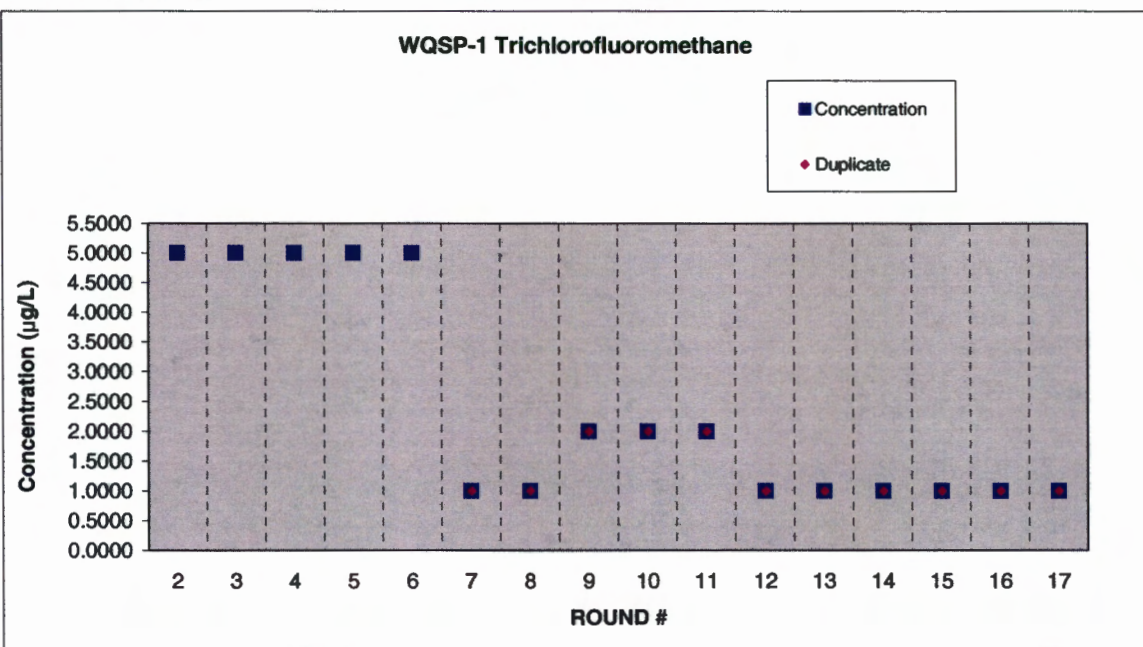
WQSP-1 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	08/31/95	08/17/95
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000	< 5.0000			2	11/13/96	11/07/96
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000	< 5.0000			4	04/29/97	04/24/97
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000	< 5.0000			5	08/08/97	07/24/97
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	03/09/98	03/05/98
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	9.7/00
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



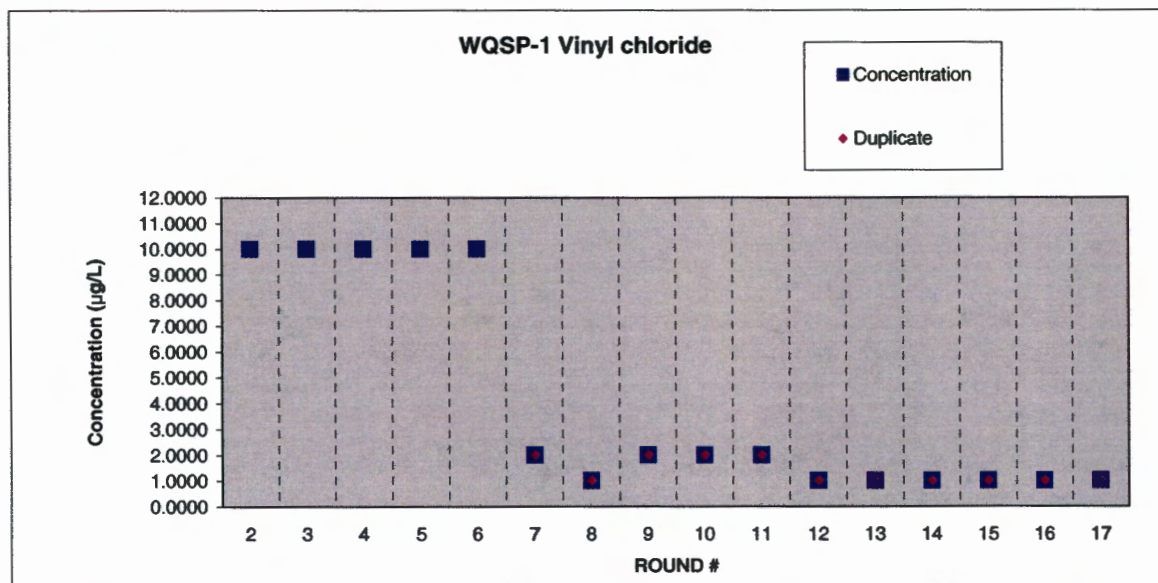
WQSP-1 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	11/13/96	11/07/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/30/96	07/25/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/29/97	04/24/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/06/97	07/24/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	3/9/98	03/05/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



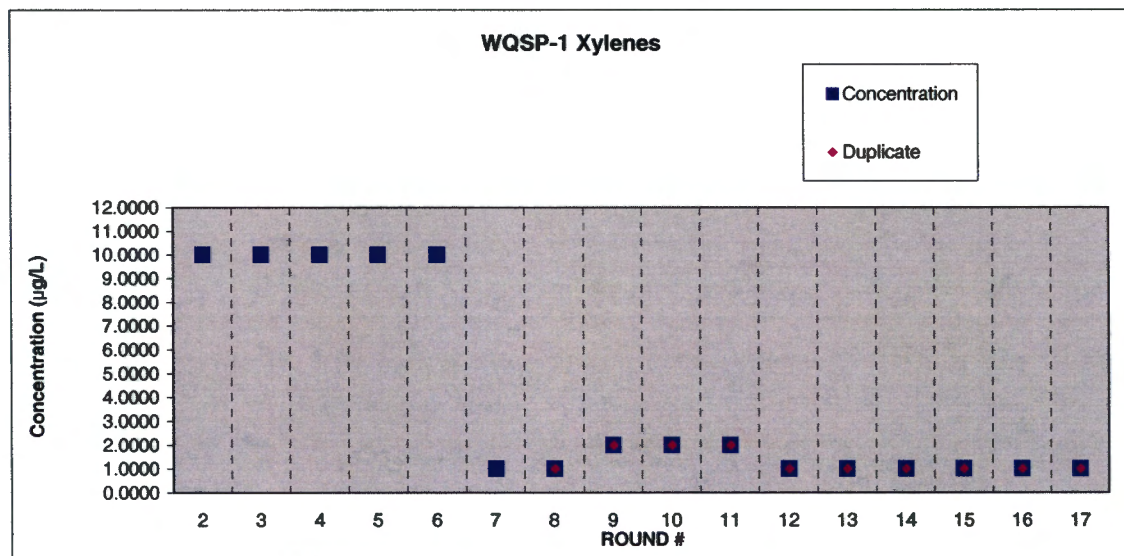
WQSP-1 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/13/96	11/07/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/30/96	07/25/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/29/97	04/24/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/06/97	07/24/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/09/98	03/05/98
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	7	07/29/98	07/15/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



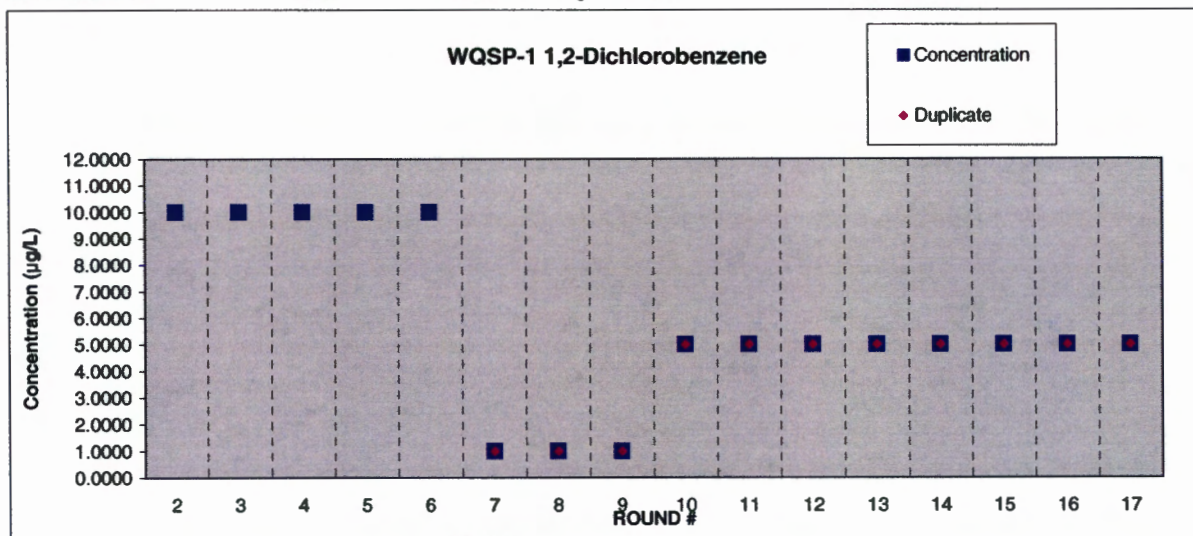
WQSP-1 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENE	< 10.0000		ug/L	10.0000		< 10.0000		2.1	11/13/96	11/07/96
1330-20-7	XYLENE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/30/96	07/25/96
1330-20-7	XYLENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/29/97	04/24/97
1330-20-7	XYLENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/06/97	07/24/97
1330-20-7	XYLENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/09/98	03/05/98
1330-20-7	XYLENE	< 1.0000		ug/L	1.0000			< 1.0000	7	07/29/98	07/15/98
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/10/99	03/03/99
1330-20-7	XYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/12/99	09/01/99
1330-20-7	XYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/06/00	03/02/00
1330-20-7	XYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/17/00	09/07/00
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/05/01	03/01/01
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/08/01	09/06/01
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/11/02	03/06/02
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/10/02	09/05/02
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/16/03	03/05/03
1330-20-7	XYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/09/03	09/04/03



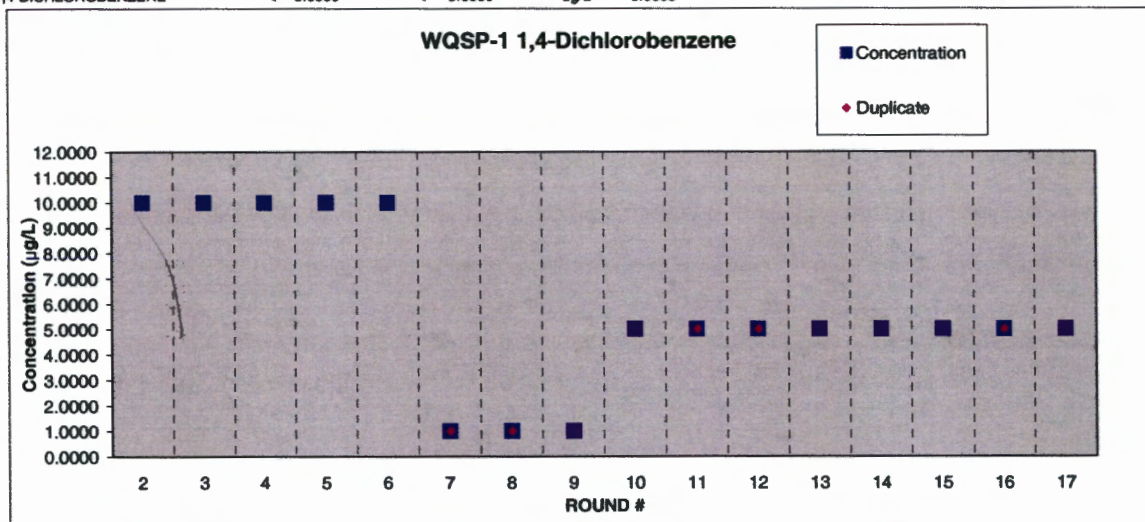
WQSP-1 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLORO BENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
95-50-1	1,2-DICHLORO BENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
95-50-1	1,2-DICHLORO BENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
95-50-1	1,2-DICHLORO BENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
95-50-1	1,2-DICHLORO BENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
95-50-1	1,2-DICHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/25/98	07/15/98
95-50-1	1,2-DICHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/08/99	03/03/99
95-50-1	1,2-DICHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	09/02/99	09/01/99
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	09/14/00	09/07/00
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/09/01	03/01/01
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
95-50-1	1,2-DICHLORO BENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



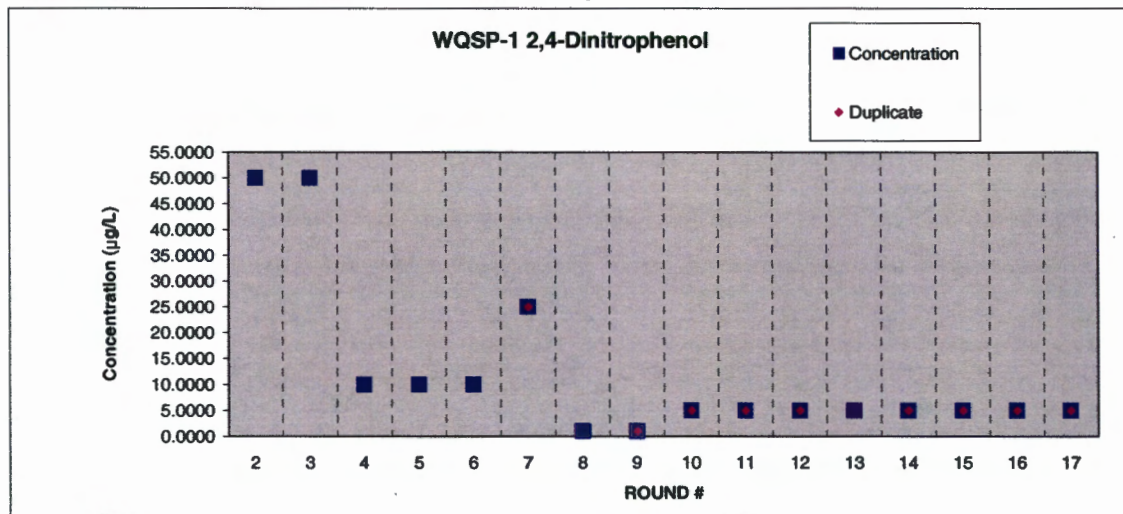
WQSP-1 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	07/25/98	07/15/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/08/99	03/03/99
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	09/02/99	09/01/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/06/00	03/02/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/14/00	09/07/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/09/01	03/01/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



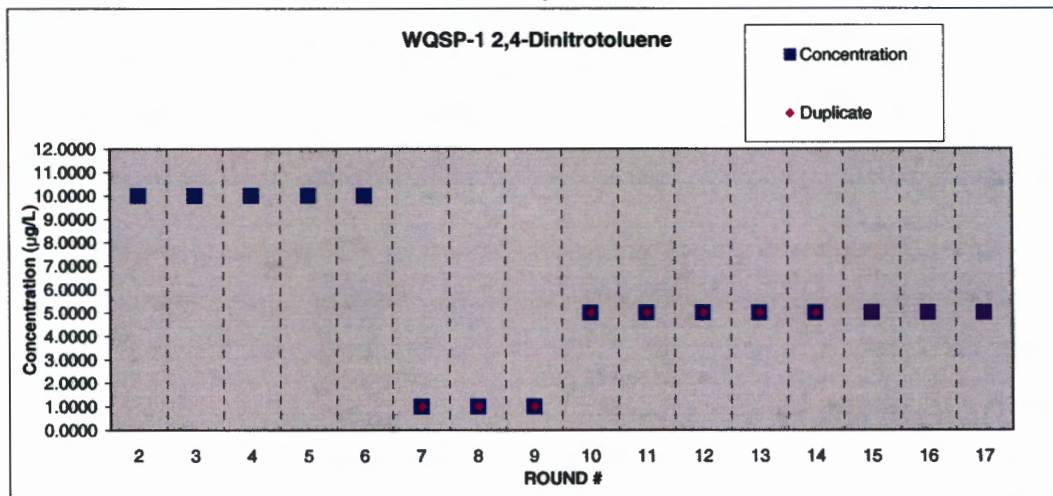
WQSP-1 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	11/28/96	11/07/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	08/21/96	07/25/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
51-28-5	2,4-DINITROPHENOL	< 25.0000	< 25.0000	ug/L	25.0000			< 25.0000	7	07/25/98	07/15/98
51-28-5	2,4-DINITROPHENOL	< 1.0000		ug/L				< 1.0000	8	03/08/99	03/03/99
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	09/02/99	09/01/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/08/00	03/02/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/14/00	09/07/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/09/01	03/01/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



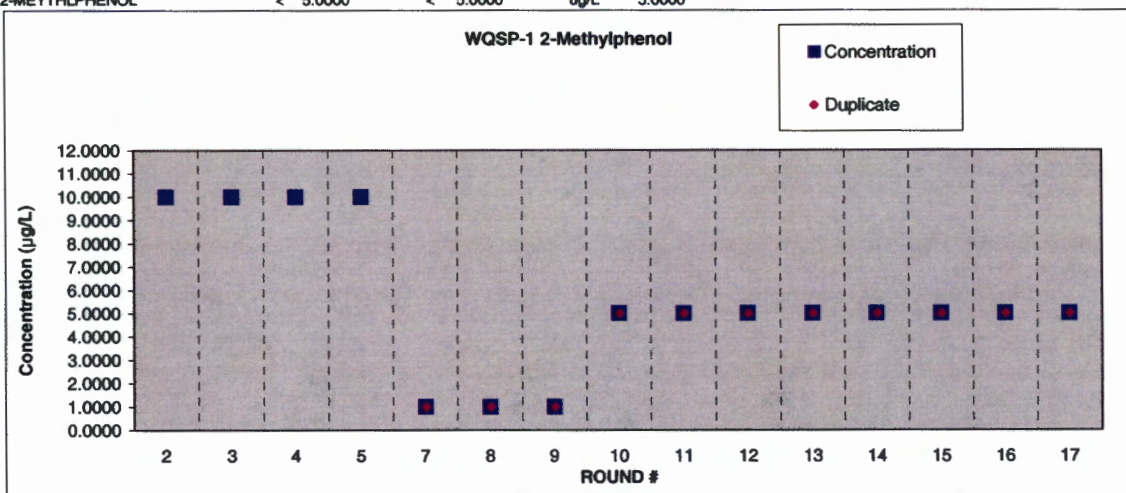
WQSP-1 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	07/25/98	07/15/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	8	03/08/99	03/03/99
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	9	09/02/99	09/01/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/l	5.0000		< 5.0000	< 5.0000	10	03/06/00	03/02/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	11	09/14/00	09/07/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	12	03/09/01	03/01/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
121-42-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
121-42-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
121-42-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



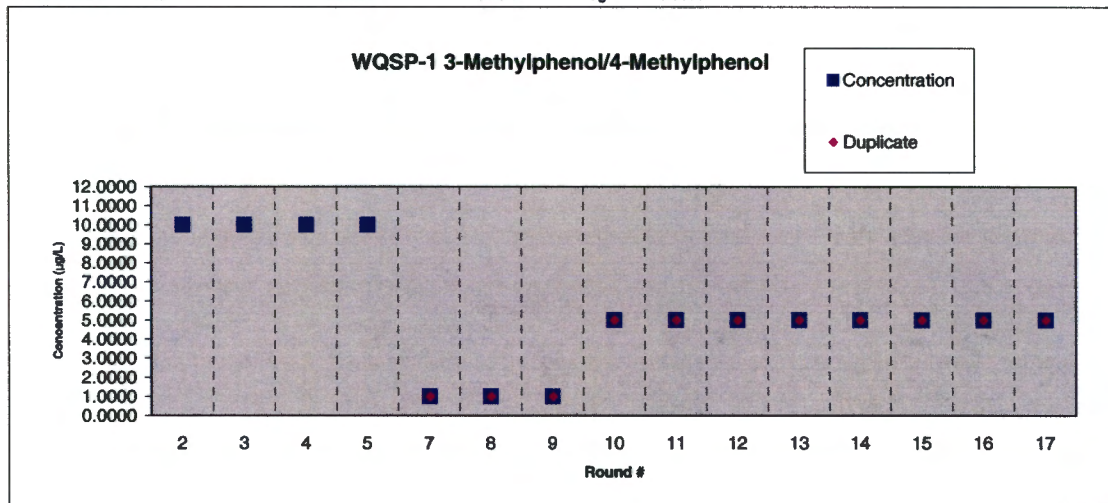
WQSP-1 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
95-48-7	2-MEYTHLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/25/98	07/15/98
95-48-7	2-MEYTHLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/08/99	03/03/99
95-48-7	2-MEYTHLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	09/02/99	09/01/99
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	08/14/00	09/07/00
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/09/01	03/01/01
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/08/01
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



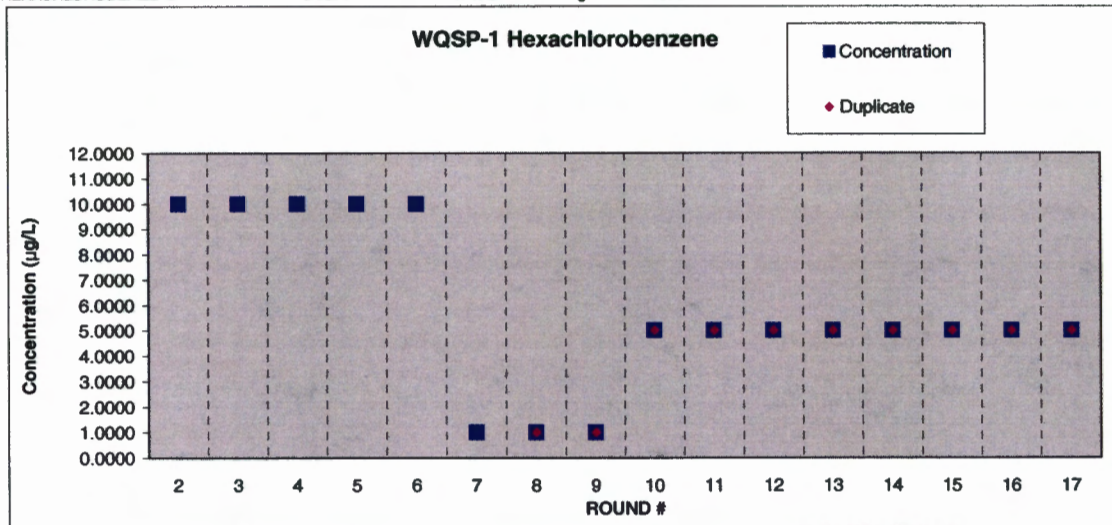
WQSP-1 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/25/98	07/15/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/08/99	03/03/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	09/02/99	09/01/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	09/14/00	09/07/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/09/01	03/01/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



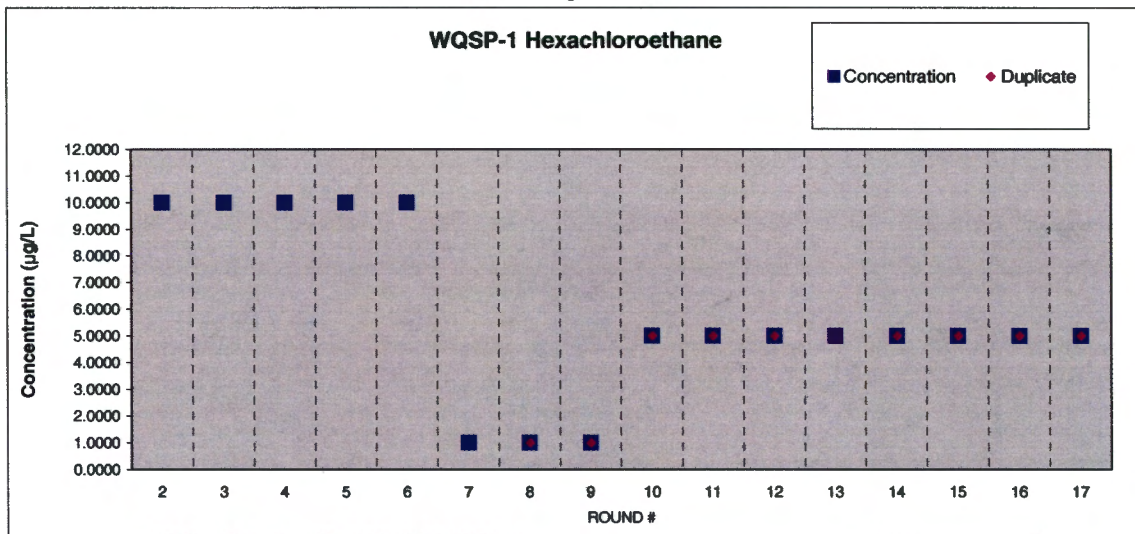
WQSP-1 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
118-74-1	HEXACHLOROBENZENE	< 1.0000		ug/L	1.0000			< 1.0000	7	07/25/98	07/15/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/08/99	03/03/99
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	09/02/99	09/01/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/06/00	03/02/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/14/00	09/07/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/09/01	03/01/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



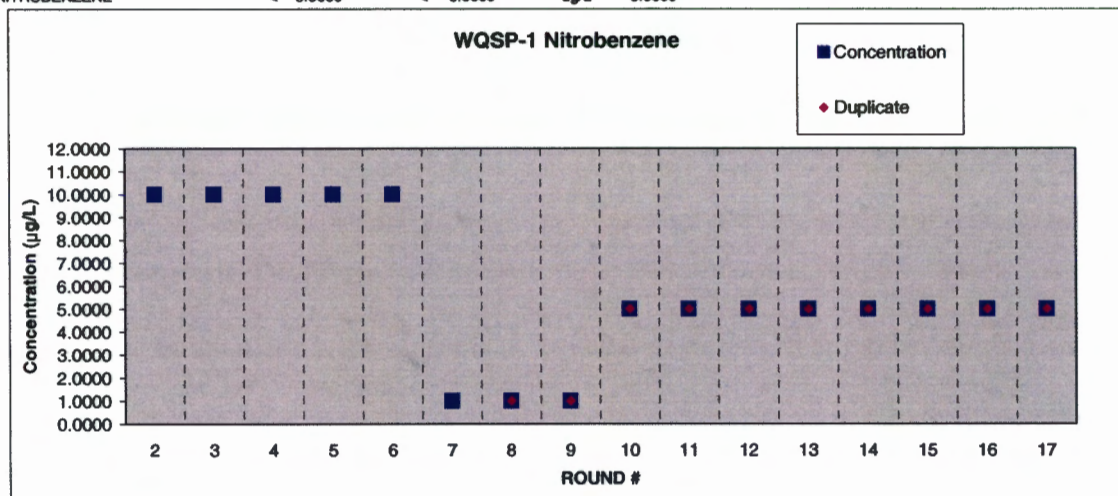
WQSP-1 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/28/96	11/07/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
67-72-1	HEXACHLOROETHANE	< 1.0000		ug/L	1.0000			< 1.0000	7	07/25/98	07/15/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/08/99	03/03/99
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	09/02/99	09/01/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/06/00	03/02/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/14/00	09/07/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/09/01	03/01/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



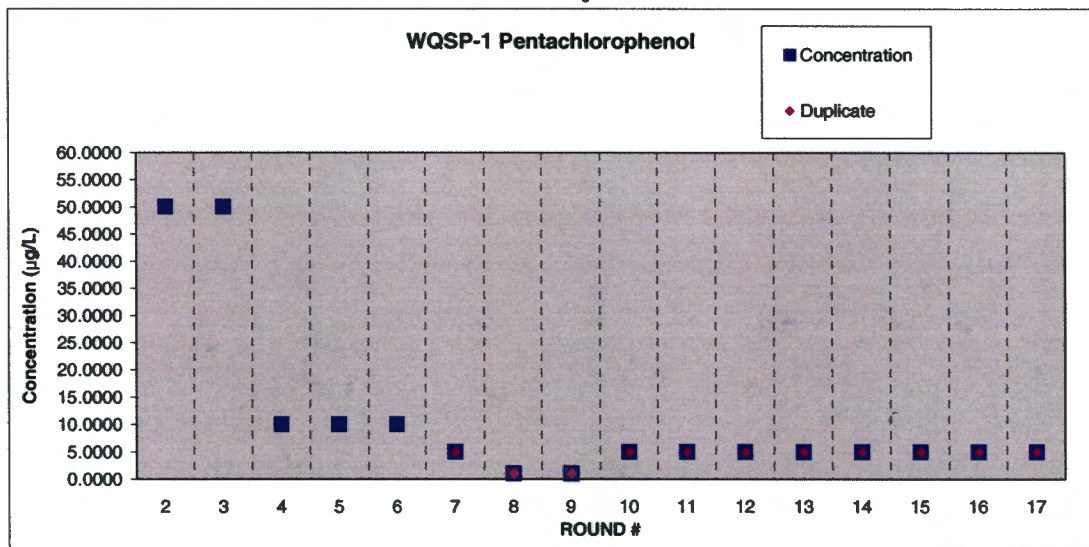
WQSP-1 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/26/96	11/07/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	07/25/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/14/97	04/24/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/12/97	07/24/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	03/16/98	03/05/98
98-95-3	NITROBENZENE	< 1.0000		ug/L	1.0000			< 1.0000	7	07/25/98	07/15/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/08/99	03/03/99
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	09/02/99	09/01/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/08/00	03/02/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/14/00	09/07/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/09/01	03/01/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



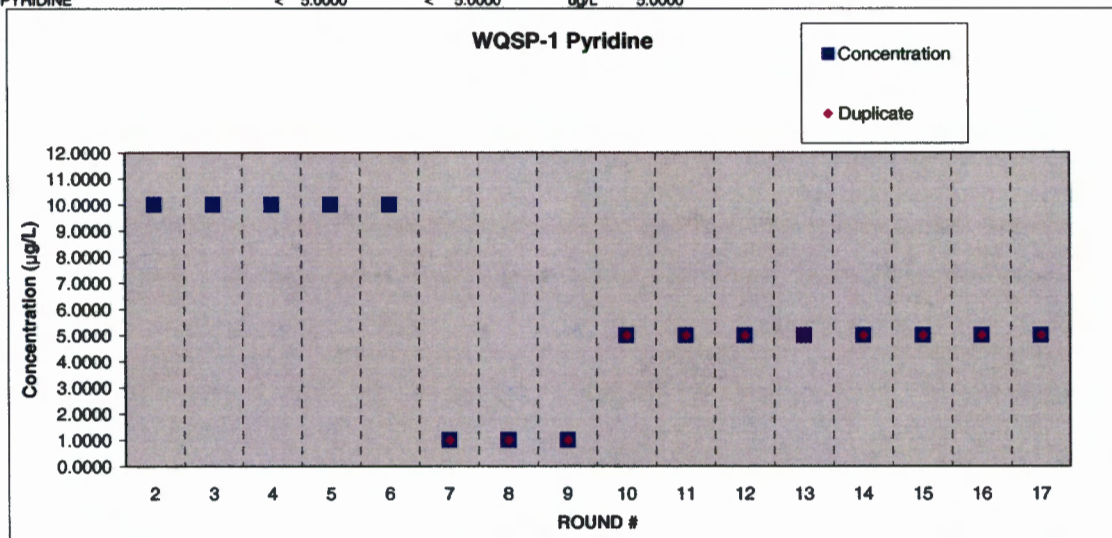
WQSP-1 Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000	< 50.0000			2	11/26/96	11/07/96
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000	< 50.0000			3	08/21/96	07/25/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000	< 10.0000			4	05/14/97	04/24/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000	< 10.0000			5	08/12/97	07/24/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		6	03/16/98	03/05/98
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		7	07/25/98	07/15/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/08/99	03/03/99
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	09/02/99	09/01/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	09/14/00	09/07/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/09/01	03/01/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/06/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



WQSP-1 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000	< 10.0000			2	11/28/96	11/07/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000	< 10.0000			3	08/21/96	07/25/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000	< 10.0000			4	05/14/97	04/24/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000	< 10.0000			5	08/12/97	07/24/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		6	03/16/98	03/05/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	07/25/98	07/15/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/08/99	03/03/99
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	09/02/99	09/01/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/06/00	03/02/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	09/14/00	09/07/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	03/09/01	03/01/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/10/01	09/06/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/08/02	03/08/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	09/07/02	09/05/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/10/03	03/05/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/15/03	09/04/03



APPENDIX 2

ANALYTICAL RESULTS WELL WQSP-2

SUMMARY FOR WQSP-2, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-2 is located approximately one mile north of the center of the WIPP site 1646 FSL and 142 FWL in Section 16, T22S, R31E in Eddy County, New Mexico. The surface elevation at WQSP-2 is 3461 feet above mean sea level (AMSL). The Top of Casing (TOC) elevation at WQSP-2 is 3464 feet AMSL. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP site. Well WQSP-2 was drilled between September 6 and 10, 1994 to a total depth of 846 ft. below ground surface (BGS). The borehole was drilled through the Culebra and extends 12 feet into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 800-ft. BGS using compressed air as the drilling media. The interval from 800 to 846 ft. BGS, the total depth, was drilled using air mist with a foaming agent as the drilling media. WQSP-2 was drilled to 800 ft. BGS using a 9-7/8 inch drill bit and was cored from 800 to 846 ft. BGS using a 5¼ inch core bit to cut a 4 inch diameter core. After coring, WQSP-2 was reamed to 9-7/8 inch diameter to the total depth of 846-ft. BGS. WQSP-2 was cased with 5-inch O.D. and 4.33 inch I.D. fiberglass casing from the surface to 811 ft. BGS. Slotted 0.020 well screen casing was set across the Culebra interval from 811 to 836 ft. BGS. A 10-ft blank casing was installed below the screened interval from 836 to 846 ft. BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-2 is 811 to 833 based on interpretation of Natural Gamma log results. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 793 ft BGS, fine grain sand pack was then installed from 793 to 790 ft BGS. A bentonite seal was placed above the sand pack to 770-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-2 on September 27, 1999. The system consists of a model 10S30-34 Grundfos submersible pump retrofitted with Kynar seals and a 3-phase 230-volt AC 5-horse power submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the top of the pump to enable monitoring of the formation pressures in the wellbore during sampling. Round-17 pumping at WQSP-2 began on 09/15/03 at 06:57 and ended on 09/17/03 at 08:28. The standing water level was measured at 403.23 ft BTOC just prior to beginning the purging and sampling process. The well was purged for 50 hours at an average pumping rate of 0.42 gallons per minute (gpm).

Three serial samples were collected during Round-17. The first sample was collected on 09/15/03 after approximately 139 gallons of water were pumped. The second sample was collected on 09/16/03 after 803 gallons were pumped. The third serial sample and final samples were collected on 09/17/03 after

approximately 1,175 gallons of water, approximately four well bore volumes¹, had been pumped from the well. Samples were collected for Trace Analysis, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. Samples were also collected for WIPP Analytical Laboratories. The EEG was not on site to collect independent samples. Hold samples were collected for the Detection Monitoring Program. The Final Sample Checklist lists samples, destination, preservatives, sample quantities, container type, sampling times, and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measured +334 mv, +294 mv, and +296 mv respectively.

pH measured 7.44 S.U., 7.45 S.U., and 7.44 S.U. respectively.

Temperature measured 22.2° C, 21.5° C, and 22.1° C respectively.

Specific gravity measured 1.047, 1.047, and 1.047 respectively for the serial samples.

Specific Conductivity measured 81,200, 82,100 and 82,600 umhos/cm at 25° C for each of the serial samples.

Alkalinity measured 64.4 mg/L, 63.4 mg/L, and 64.6 mg/L respectively.

Chlorides measured 34,038 mg/L, 34,037 mg/L, and 34,538 mg/L.

Divalent cations measured 164.4 meq/L, 165.2 meq/L, and 163.0 meq/L respectively.

Total iron measured 0.03 mg/L, 0.04 mg/L, and 0.04 mg/L respectively.

COMPARISON OF ROUND-17 RESULTS TO BACKGROUND

The amount of water pumped during the first sixteen rounds was 14,421, 7,316, 8,205, 5,891, 5,296, 1,915, 1,875, 1,954, 1,315, 1,874, 1,896, 1,896, 1,723, 1,006, 1,287, and 1,305 gallons respectively. During Round-17 1,246 gallons were pumped from the well. A comparison of the average final day data for background rounds and the average of final day data for Round-17 are described in the following table for alkalinity, chlorides, divalent cations and total iron.

AVG. OF FINAL DAY RESULTS FOR BACKGROUND ROUNDS

Alkalinity 59.8 mg/L
Chlorides 33,825 mg/L

AVG. OF FINAL DAY RESULTS FOR ROUND SEVENTEEN

Alkalinity 64.6 mg/L
Chlorides 34,538 mg/L

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

Di-Cats 161.2 meq/L
Iron 0.02 mg/L

Di-Cats 163.0 meq/L
Iron 0.04 mg/L

The final day serial sample values for alkalinity and total iron were not within plus or minus 5% of background data. The decision was made to final sample because the values were within the range of values seen in past sampling rounds and four well bore volumes had been purged from the well.

WASP-2
Round 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/GWMP
SDG: 3091728
DATE: NOVEMBER 7, 2003
R/A CONTROL: 6454/6455

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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Volatile Organic Analysis Data Section

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Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for sixteen miscellaneous samples received on September 17 2003, under SDG 3091728.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

Michael T. Al 11/12/03
LABORATORY MANAGER: DATE

Grandi-Ritcherson 11/12/03
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3091728

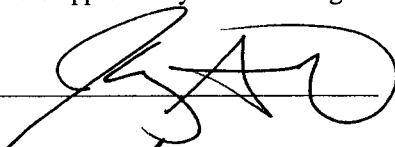
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WQ2CR17N2	T17478
WQ2CR17N2D	T17479
WQ2CR17N3	T17480
WQ2CR17N3D	T17481
WQ2CR17N4	T17482
WQ2CR17N4D	T17483
WQ2CR17N5	T17484
WQ2CR17N5D	T17485
WQ2CR17N6	T17486
WQ2CR17N6D	T17487
WQ2CR17N7	T17488
WQ2CR17N7D	T17489
WQ2CR17N8	T17490
WQ2CR17N8D	T17491

Signature Page

The data for Round 17 Well # 2 was reviewed and approved by the following chemists.

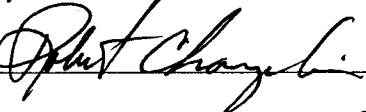
VOC's:

Johnny Gridstaff



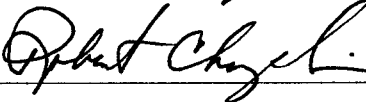
TOC's:

Robert Champlin



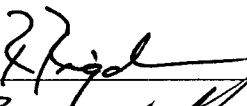
Semi-Volatiles:

Robert Champlin

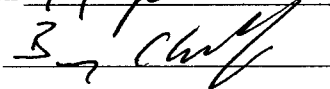


Metals:

Richard Rigdon

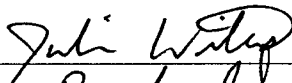


Barry Chaffin

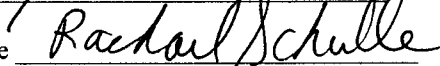


General Chemistry:

Julie Winters



Rachel Schulle



Melissa Wayland



Cation-Anion Balance Sheet

Sample #

WQSP # 2

Date:

11/12/2003

Cations

	ppm	meq/L
Calcium	1460	72.854
Magnesium	970	79.8213
Sodium	17600	765.6
Potassium	755	19.3129

Total Cations

937.5882 in meq/L

Anions

	ppm	meq/L
Alkalinity	48	0.96
Sulfate	5710	118.8822
Chloride	34300	967.603
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

1087.4452 in meq/L

Percentage Error

14.800447 %

(needs to be <10%)

OTHER INFORMATION

TDS	64700
EC	80800

Measure EC and Cation Sums	93758.82	Range should be:	72720	to	88880
Measure EC and Anion Sums	108744.52	Range should be:	72720	to	88880
Calculated TDS/Conductivity	0.8007426	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.6900684	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.5949725	Range should be:	0.55	to	0.77

SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3091728

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TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/17/03

WIPP Round No. 17

WIPP Well No. 2

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ2CR17N8	T17490		Alkalinity	48.0		9/23/03	SM 2320 B	4.0
WQ2CR17N8	T17490	7782-50-5	Chloride	34300		9/17/03	300.0	2.0
WQ2CR17N8	T17490		Density	1.04		9/17/03	ASTM D 854-92	N/A
WQ2CR17N8	T17490	7727-37-9	Nitrate (as N)	0.10	U	9/18/03	353.3	0.10
WQ2CR17N8	T17490		pH	7.2		9/17/03	150.1	4-10
WQ2CR17N8	T17490		Conductivity	80800		9/22/03	SM2510B	
WQ2CR17N8	T17490		Sulfate	5710		9/17/03	300.0	2
WQ2CR17N8	T17490		Total Dissolved Solids (TDS)	64700		9/23/03	160.1	10
WQ2CR17N5	T17484		Total Organic Carbon (TOC)	2.11		9/23/03	415.1	1.0
WQ2CR17N4	T17482		Total Organic Halogen (TOX)	5.40		9/29/03	5320B/9020B	0.005
WQ2CR17N8	T17490		Total Suspended Solids (TSS)	1.00	U	3/21/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

Cl and SO4 were rerun out of hold time. Balance sheet still shows a discrepancy. Both sets of raw data included however originals are reported.

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 09/17/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. <u>17</u>
WIPP Well No. <u>2</u>

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ2CR17N8D	T17491		Alkalinity	50.0		9/23/03	SM 2320 B	4.0
WQ2CR17N8D	T17491	7782-50-5	Chloride	33100		9/17/03	300.0	2.0
WQ2CR17N8D	T17491		Density	1.04		9/17/03	ASTM D 854-92	N/A
WQ2CR17N8D	T17491	7727-37-9	Nitrate (as N)	0.10	U	9/18/03	353.3	0.10
WQ2CR17N8D	T17491		pH	7.2		9/17/03	150.1	4-10
WQ2CR17N8D	T17491		Conductivity	80900		9/22/03	SM2510B	
WQ2CR17N8D	T17491		Sulfate	5510		9/17/03	300.0	2
WQ2CR17N8D	T17491		Total Dissolved Solids (TDS)	65100		9/23/03	160.1	10
WQ2CR17N5D	T17485		Total Organic Carbon (TOC)	1.50		9/23/03	415.1	1.0
WQ2CR17N4D	T17483		Total Organic Halogen (TOX)	4.60		9/29/03	5320B/9020B	0.005
WQ2CR17N8D	T17491		Total Suspended Solids (TSS)	1.00	U	9/21/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

Cl and SO4 were rerun out of hold time. Balance sheet still shows a discrepancy. Both sets of raw data included however originals are reported.

9/17/03

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Program: WIPP/GWMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	48.0		50.0		4
Chloride	34300		33100		4
Density	1.04		1.04		0
Nitrate (as N)	0.10	U	0.10	U	0
pH	7.2		7.2		0
Conductivity	80800		80900		0
Sulfate	5710		5510		4
Total Dissolved Solids (TDS)	64700		65100		1
Total Organic Carbon (TOC)	2.11		1.50		34
Total Organic Halogen (TOX)	5.40		4.60		16
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>09/02/03</u>	<u>97500</u>	<u>108000</u>	<u>114000</u>	<u>118000</u>	<u>126000</u>		<u>113000</u>	<u>9.51</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>09/18/03</u>	<u>0.262</u>	<u>0.238</u>	<u>0.275</u>				<u>0.258</u>	<u>7.39</u>
<u>Sulfate</u>		<u>09/02/03</u>	<u>649</u>	<u>71600</u>	<u>68900</u>	<u>74100</u>	<u>77700</u>		<u>71400</u>	<u>6.86</u>
<u>Total Organic Carbon (TOC)*</u>		<u>09/17/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

*TOC has a large y-intercept (due to lack of totally carbon free water) that prevents a good RSD value. If the blank was subtracted out then the RSD would be fine. The correlation is >0.995.

TRACEANALYSIS

FORM 3
INITIAL CALIBRATION VERIFICATIONLab Name: TraceAnalysis, Inc.SDG No.: 3091728Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	238	95
Chloride	7782-50-5	12.5	11.21	90
Nitrate (as N)	7727-37-9	0.160	0.145	91
pH		7.00	7.00	100
Conductivity		1409	1400	99
Sulfate		12.5	11.85	95
Total Dissolved Solids (TDS)		1000	1009	101
Total Organic Carbon (TOC)		5.00	4.60	92
Total Organic Halogen (TOX)		5.00	4.865	97

Comments

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	11.20	90
Nitrate (as N)	7727-37-9	0.160	0.148	93
pH		7.00	7.10	101
Conductivity		1412	1410	100
Sulfate		12.50	12.01	96
Total Dissolved Solids (TDS)		1000	1029	103
Total Organic Carbon (TOC)		5.00	5.71	114
TOX		5.0	5.016	100
Comments				

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	672	625	1252	93
7727-37-9	Nitrate (as N)	0.00	0.16	0.115	72
	Sulfate	174	625	777	96
	Total Organic Carbon (TOC)	31.6	5.00	36.85	105

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	625	1247	92	1
7727-37-9	Nitrate (as N)	0.16	0.123	77	7
	Sulfate	625	778	97	1
	Total Organic Carbon (TOC)	5.00	34.78	64	49

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TOC MSD Recovery and RPD outside normal range due to interference that exist in the sample

matrix. LCS/LCSD show process is in control.

TRACEANALYSIS

FORM 6

LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	11.24	90
7727-37-9	Nitrate (as N)	0.00	0.16	0.159	99
	Sulfate	0.00	12.5	11.84	95
	Total Organic Carbon (TOC)	0.00	5.00	4.71	94

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	11.08	89	1
7727-37-9	Nitrate (as N)	0.16	0.177	111	11
	Sulfate	12.5	11.70	94	1
	Total Organic Carbon (TOC)	5.00	4.57	91	3

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.04	1.04	0
	TDS	65100	67300	3
	TSS	<1.00	<1.00	0
	pH	7.2	7.2	0
	Conductivity	80900	81400	1
	Alkalinity	46	46	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/18/00</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>05/18/00</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>05/18/00</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>05/18/00</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOs/cm)	IPR1 CONC. FOUND (uMHOs/cm)	IPR2 CONC. FOUND (uMHOs/cm)	IPR3 CONC. FOUND (uMHOs/cm)	IPR4 CONC. FOUND (uMHOs/cm)	X (%)	S (%)
Conductivity	1410	1430	1430	1430	1430	99	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10

INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO ₃)	IPR1 CONC. FOUND (CaCO ₃)	IPR2 CONC. FOUND (CaCO ₃)	IPR3 CONC. FOUND (CaCO ₃)	IPR4 CONC. FOUND (CaCO ₃)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	1.06

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/09/01</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>03/09/01</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>03/09/01</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>03/09/01</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	11.7	11.4	11.4	11.4	92	1.31
Sulfate	12.5	12.1	11.6	11.7	11.8	94	1.83

Forms by ChemSW™(707)864-8845;pin11092;v6.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>12/21/00</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>12/21/00</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>12/21/00</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>12/21/00</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	962	964	942	975	96	1.70

Forms by ChemSW™ (707)864-0845; pin11092; v6.2; 11/1/97

X = average percent recovery from four IPRs.
S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/15/98</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>02/15/98</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>02/15/98</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>02/15/98</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	10.0	10.1	10.1	10.1	10.1	101	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
pH	7.00	7.01	7.01	7.02	7.02	100	0.01

Forms by ChemSW™ (707)864-0846;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/04/00</u>	Time:	<u>20:00</u>
IPR2	Analysis Date:	<u>05/04/00</u>	Time:	<u>20:11</u>
IPR3	Analysis Date:	<u>05/04/00</u>	Time:	<u>20:22</u>
IPR4	Analysis Date:	<u>05/04/00</u>	Time:	<u>20:33</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.00	5.12	5.36	5.36	5.05	104	3.08

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	4.95
Sulfate	5.00	4.79

Forms by ChemSW™ (707)864-0845; pin11092; v6.2; 11/1/97

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3091728

Page Numbers

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70	TOTAL PAGES

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728

WIPP Sample No.

WQ2CR17N7WQ2CR17N7D

Lab Sample ID.

T17488T17489

Were ICP interelement corrections applied?

Yes/No No

Were ICP backgrounds corrections applied?

Yes/No YesIf yes-were raw data generated before
application of background corrections?Yes/No Yes

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Date:

Michael V. Ahl
11/12/03

Name: Blair Leftwich

Title: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (soil/water): Water

Lab Sample ID: T17488

Date Received: 09/17/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	10/20/03		0.025	P
7440-38-2	Arsenic	0.05	U	10/20/03		0.05	P
7440-39-3	Barium	0.05	U	10/20/03		0.05	P
7440-41-7	Beryllium	0.01	U	10/20/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/20/03		0.01	P
7440-47-3	Chromium	0.025	U	10/20/03		0.025	P
7439-89-6	Iron	0.5	U	10/20/03		0.5	P
7439-92-1	Lead	0.233		10/20/03		0.05	P
7439-97-6	Mercury	0.0002	U	9/25/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/20/03		0.05	P
7782-49-2	Selenium	0.116		10/20/03		0.025	P
7440-22-4	Silver	0.025	U	10/20/03		0.025	P
7440-28-0	Thallium	0.0910		10/20/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/20/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N7

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix (soil/water): WaterLab Sample ID: T17488Date Received: 09/17/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1460		09/26/03		0.5	P
7439-95-4	Magnesium	970		09/26/03		0.5	P
7440-09-7	Potassium	755		09/26/03		0.5	P
7440-23-5	Sodium	17600		09/26/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ2CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (soil/water): Water

Lab Sample ID: T17489

Date Received: 09/17/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	10/20/03		0.025	P
7440-38-2	Arsenic	0.05	U	10/20/03		0.05	P
7440-39-3	Barium	0.05	U	10/20/03		0.05	P
7440-41-7	Beryllium	0.01	U	10/20/03		0.01	P
7440-43-9	Cadmium	0.01	U	10/20/03		0.01	P
7440-47-3	Chromium	0.025	U	10/20/03		0.025	P
7439-89-6	Iron	0.5	U	10/20/03		0.5	P
7439-92-1	Lead	0.261		10/20/03		0.05	P
7439-97-6	Mercury	0.0002	U	9/25/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/20/03		0.05	P
7782-49-2	Selenium	0.118		10/20/03		0.025	P
7440-22-4	Silver	0.025	U	10/20/03		0.025	P
7440-28-0	Thallium	0.025	U	10/20/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/20/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (soil/water): Water

Lab Sample ID: T17489

Date Received: 09/17/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1440		09/26/03		0.5	P
7439-95-4	Magnesium	965		09/26/03		0.5	P
7440-09-7	Potassium	795		09/26/03		0.5	P
7440-23-5	Sodium	16900		09/26/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS
METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.
SDG No.: 3091728

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.025	U	0.025	U	0
Arsenic	0.05	U	0.05	U	0
Barium	0.05	U	0.05	U	0
Beryllium	0.01	U	0.01	U	0
Cadmium	0.01	U	0.01	U	0
Calcium	1460		1440		1
Chromium	0.025	U	0.025	U	0
Iron	0.5	U	0.5	U	0
Lead	0.233		0.261		11
Magnesium	970		965		1
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	755		795		5
Selenium	0.116		0.118		2
Silver	0.025	U	0.025	U	0
Sodium	17600		16900		4
Thallium	0.0910		0.025	U	114
Vanadium	0.05	U	0.05	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration			Found	%R(1)	M
	True	Found	%R(1)	True	Found	%R(1)			
Antimony	1.00	0.998	100	1.00	1.00	100			P
Arsenic	1.00	1.00	100	1.00	1.07	107			P
Barium	1.00	0.999	100	1.00	0.918	92			P
Beryllium	1.00	1.00	100	1.00	1.04	104			P
Cadmium	1.00	1.00	100	1.00	0.989	99			P
Cobalt	25	24.9	100	25	24.6	98			P
Chromium	1.00	1.00	100	1.00	1.01	101			P
Iron	1.00	1.00	100	1.00	0.975	98			P
Lead	1.00	1.01	101	1.00	0.954	95			P
Magnesium	25	25.2	101	25	24.1	96			P
Mercury	0.001	0.00109	109	0.001	0.00105	105			CV
Nickel	1.00	0.996	100	1.00	0.964	96			P
Potassium	25	25.5	102	25	25.0	100			P
Selenium	1.00	0.995	100	1.00	1.05	105			P
Silver	0.125	0.124	99	0.125	0.121	97			P
Sodium	25	24.9	100	25	25.3	101			P
Thallium	1.00	1.00	100	1.00	0.933	93			P
Vanadium	1.00	0.998	100	1.00	0.987	99			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	N/A	N/A
Arsenic	N/A	N/A	N/A	1.00	1.00	100
Barium	N/A	N/A	N/A	0.300	0.296	99
Beryllium	N/A	N/A	N/A	0.100	0.0971	97
Cadmium	N/A	N/A	N/A	0.300	0.307	102
Cobalt	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.303	101
Iron						
Lead	N/A	N/A	N/A	1.00	1.05	105
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.303	101
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.465	93
Silver	N/A	N/A	N/A	0.300	0.320	107
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	0.997	100
Vanadium	N/A	N/A	N/A	0.300	0.319	106

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)	C	Continuing Calibration Blank (mg/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ2CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.27	0.025	U 1.25	102		P
Arsenic	75-125	2.43	0.05	U 2.5	97		P
Barium	75-125	5.15	0.05	U 5.0	103		P
Beryllium	75-125	0.125	0.01	U 0.125	100		P
Cadmium	75-125	1.21	0.01	U 1.25	97		P
Calcium	75-125	2020	1460	500	112		P
Chromium	75-125	0.499	0.025	U 0.5	100		P
Iron	75-125	2.34	0.5	U 2.5	94		P
Lead	75-125	2.74	0.233	2.5	100		P
Magnesium	75-125	1580	970	500	122		P
Mercury	75-125	0.00093	0.0002	U 0.001	93		CV
Nickel	75-125	1.20	0.05	U 1.25	96		P
Potassium	75-125	1340	755	500	117		P
Selenium	75-125	2.46	0.116	2.5	94		P
Silver	75-125	0.810	0.025	U 0.625	130	N	P
Sodium	75-125	19400	17600	500	360	N	P
Thallium	75-125	2.22	0.0910	2.5	85		P
Vanadium	75-125	1.36	0.05	U 1.25	109		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ2CR17N7

SDG No.: 3091728

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	1.27		1.32		4		P
Arsenic	25	2.43		2.57		6		P
Barium	25	5.15		5.36		4		P
Beryllium	25	0.125		0.129		3		P
Cadmium	25	1.21		1.25		3		P
Calcium	25	2020		1920		5		P
Chromium	25	0.499		0.518		4		P
Iron	25	2.34		2.41		3		P
Lead	25	2.74		2.86		4		P
Magnesium	25	1580		1510		5		P
Mercury	25	0.00093		0.00090		3		CV
Nickel	25	1.20		1.29		7		P
Potassium	25	1340		1210		10		P
Selenium	25	2.46		2.55		4		P
Silver	25	0.810		0.85		4		P
Sodium	25	19400		18400		5		P
Thallium	25	2.22		2.22		0		P
Vanadium	25	1.36		1.41		4		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ2CR17N7

SDG No.: 3091728

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.237		0.235		1		P
Arsenic	25	0.511		0.510		0		P
Barium	25	1.01		1.01		0		P
Beryllium	25	0.0260		0.0260		0		P
Cadmium	25	0.255		0.254		0		P
Calcium	25	94.8		96.2		1		P
Chromium	25	0.104		0.103		1		P
Iron	25	0.503		0.499		1		P
Lead	25	0.513		0.510		1		P
Magnesium	25	95.7		98.4		3		P
Mercury	25	0.00109		0.00111		2		P
Nickel	25	0.247		0.248		0		P
Potassium	25	100		101		1		P
Selenium	25	0.477		0.475		0		P
Silver	25	0.136		0.135		1		CV
Sodium	25	104		103.0		1		P
Thallium	25	0.456		0.475		4		P
Vanadium	25	0.256		0.255		0		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Solid LCS Source: _____

Aqueous LCS Source: ME082802-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	0.25	0.237	95					
Arsenic	0.50	0.511	102					
Barium	1.00	1.01	101					
Beryllium	0.025	0.0260	104					
Cadmium	0.25	0.255	102					
Calcium	100	94.8	95					
Chromium	0.10	0.104	104					
Iron	0.50	0.503	101					
Lead	0.50	0.513	103					
Magnesium	100	95.7	96					
Mercury	0.001	0.00109	109					
Nickel	0.25	0.247	99					
Potassium	100	100	100					
Selenium	0.50	0.477	95					
Silver	0.125	0.136	109					
Sodium	100	104	104					
Thallium	0.50	0.456	91					
Vanadium	0.25	0.256	102					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3091728

Page Numbers

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7	Volatile RPD
9	Volatile Trip Blank RPD
10	Water Volatile System Monitoring Compound Recovery (Form 2A)
11	Water Volatile LCS/LCSD Recovery (Form 3A)
12	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
13	Volatile Method Blank Summary (Form 4A)
14	Volatile Organic Instrument Performance Check (Form 5A)
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19	Volatile Internal Standard Area and RT Summary (Form 8A)
21	Volatile Raw Data
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1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water) Water

Lab Sample ID: T17476

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1801018.D

GC Column: DB-624 60m

Date Received: 09/17/03

Dilution Factor: 1

Date Analyzed: 09/24/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;pin11014;v3.2;11/1/97
OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N1D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water)	<u>Water</u>	Lab Sample ID:	<u>T17477</u>
Sample wt/vol:	<u>5</u> (g/mL)	Lab File ID:	<u>2101021.D</u>
GC Column:	<u>DB-624 60m</u>	Date Received:	<u>09/17/03</u>
Dilution Factor:	<u>1</u>	Date Analyzed:	<u>09/24/03</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water) Water

Lab Sample ID: T17478

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 2201022.D

GC Column: DB-624 60m

Date Received: 09/17/03

Dilution Factor: 1

Date Analyzed: 09/24/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water) Water

Lab Sample ID: T17479

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 2301023.D

GC Column: DB-624 60m

Date Received: 09/17/03

Dilution Factor: 1

Date Analyzed: 09/24/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N3

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water) Water

Lab Sample ID: T17480

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 2401024.D

GC Column: DB-624 60m

Date Received: 09/17/03

Dilution Factor: 1

Date Analyzed: 09/24/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride	1.00	U	
74-83-9	Bromomethane	5.00	U	
75-69-4	Trichlorofluoromethane	1.00	U	
78-93-3	2-Butanone	5.00	U	
75-35-4	1,1-Dichloroethene	1.00	U	
75-09-2	Methylene Chloride	5.00	U	
75-34-3	1,1-Dichloroethane	1.00	U	
540-59-0	cis-1,2-Dichloroethene	1.00	U	
540-59-0	trans-1,2-Dichloroethene	1.00	U	
107-06-2	1,2-Dichloroethane	1.00	U	
67-66-3	Chloroform	1.00	U	
71-55-6	1,1,1-Trichloroethane	1.00	U	
56-23-5	Carbon Tetrachloride	1.00	U	
79-01-6	Trichloroethene	1.00	U	
108-88-3	Toluene	1.00	U	
79-00-5	1,1,2-Trichloroethane	1.00	U	
127-18-4	Tetrachloroethene	1.00	U	
108-90-7	Chlorobenzene	1.00	U	
108-38-3, 106-42-3	m&p-Xylene	1.00	U	
94-47-6	o-Xylene	1.00	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N3D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water)	<u>Water</u>	Lab Sample ID:	<u>T17481</u>
Sample wt/vol:	<u>5</u> (g/mL) <u>mL</u>	Lab File ID:	<u>2501025.D</u>
GC Column:	<u>DB-624 60m</u>	Date Received:	<u>09/17/03</u>
Dilution Factor:	<u>1</u>	Date Analyzed:	<u>09/24/03</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3091728

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3091728

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3091728

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	98	97	97		0
02	LCS	98	100	96		0
03	LCSD	98	99	96		0
04	T117476	97	97	98		0
05	MS	100	97	99		0
06	MSD	98	99	100		0
07	T117477	96	97	98		0
08	T117478	98	97	100		0
09	T117479	97	96	101		0
10	T117480	98	97	101		0
11	T117481	97	96	100		0
12	CCV	97	101	94		0

SMC1 (TOL) = Toluene-d8
SMC2 (BFM) = 4-Bromofluoromethane
SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS
(70-130)
(70-130)
(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	98	98		70-130
Trichloroethene	100	0	101	101		70-130
Benzene	100	0	104	104		70-130
Toluene	100	0	104	104		70-130
Chlorobenzene	100	0	102	102		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	95	95		3		14	70-130
Trichloroethene	100	99	99		2		13	70-130
Benzene	100	102	102		2		14	70-130
Toluene	100	101	101		3		13	70-130
Chlorobenzene	100	99	99		3		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix Spike - WIPP Sample No.: WQ2CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	100	100		70-130
Trichloroethene	100	0	100	100		70-130
Benzene	100	0	105	105		70-130
Toluene	100	0	102	102		70-130
Chlorobenzene	100	0	100	100		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	101	101		1		14	70-130
Trichloroethene	100	100	100		0		13	70-130
Benzene	100	106	106		1		14	70-130
Toluene	100	103	103		1		13	70-130
Chlorobenzene	100	100	100		0		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ5CR16N1

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Lab File ID: 1701017.DLab Sample ID: Method Blank H2ODate Analyzed: 09/24/03Time Analyzed: 03:27

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)Heated Purge: (Y / N) NInstrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	1401014.D	01:38
02	LCSD	LCSD	1501015.D	02:14
03	WQ2CR17N1	T17476	1801018.D	04:04
04	MS	MS	1901019.D	04:41
05	MSD	MSD	2001020.D	05:17
06	WQ2CR17N1D	T17477	2101021.D	05:54
07	WQ2CR17N2	T17478	2201022.D	06:32
08	WQ2CR17N2D	T17479	2301023.D	07:08
09	WQ2CR17N3	T17480	2401024.D	07:45
10	WQ2CR17N3D	T17481	2501025.D	08:22
11	CCV	CCV	1301013.D	01:01

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID: 1201012.D

BFB Injection Date: 09/24/03

Instrument ID: NV

BFB Injection Time: 00:45

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.0
75	30.0 - 66.0% of mass 95	47.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6
174	50.0 - 120.0% of mass 95	84.0
175	4.0 - 9.0% of mass 174	7.2
176	93.0 - 101.0% of mass 174	97.1
177	5.0 - 9.0% of mass 176	6.5

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	1301013.D	09/24/03	01:01
02	Blank	Blank	1701017.D	09/24/03	03:27
03	LCS	LCS	1401014.D	09/24/03	01:38
04	LCSD	LCSD	1501015.D	09/24/03	02:14
05	WQ2CR17N1	T17476	1801018.D	09/24/03	04:04
06	MS	MS	1901019.D	09/24/03	04:41
07	MSD	MSD	2001020.D	09/24/03	05:17
08	WQ2CR17N1D	T17477	2101021.D	09/24/03	05:54
09	WQ2CR17N2	T17478	2201022.D	09/24/03	06:32
10	WQ2CR17N2D	T17479	2301023.D	09/24/03	07:08
11	WQ2CR17N3	T17480	2401024.D	09/24/03	07:45
12	WQ2CR17N3D	T17481	2501025.D	09/24/03	08:22

Forms by Chem(707)864-0846;p/n11014;v3.2;11/1/97

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Instrument ID: NVCalibration Date(s): 09/19/03Heated Purge:(Y/N) NCalibration Times: 18:49GC Column: J&W ScientificDB-624 60mID: 0.25 (mm)

LAB FILE ID: RRF1 = 0201002.D RRF5 = 0301003.D
 RRF10 = 0401004.D RRF50 = 0501005.D RRF100 = 0601006.D
 RRF150 = 0801008.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.388	0.431	0.400	0.403	0.412	0.413	0.407	3.23
Trichlorofluoromethane	0.625	0.724	0.684	0.658	0.653	0.661	0.664	4.73
1,1-Dichloroethene	0.436	0.437	0.420	0.429	0.429	0.427	0.427	1.82
Methylene Chloride		0.584	0.525	0.470	0.472	0.470	0.496	10.01
1,1-Dichloroethane	0.787	0.816	0.847	0.873	0.892	0.876	0.844	4.61
1,2-Dichloroethane	0.625	0.639	0.638	0.662	0.681	0.684	0.657	3.51
Chloroform	0.793	0.816	0.802	0.815	0.827	0.818	0.809	1.64
1,1,1-Trichloroethane	0.564	0.578	0.635	0.689	0.717	0.731	0.661	10.44
Carbon Tetrachloride	0.228	0.237	0.289	0.350	0.378	0.392	0.322	21.82
Trichloroethene	0.282	0.293	0.281	0.291	0.290	0.288	0.287	1.82
Toluene	1.266	1.244	1.191	1.215	1.195	1.173	1.201	3.96
1,1,2-Trichloroethane	0.239	0.255	0.251	0.256	0.259	0.258	0.252	2.64
Tetrachloroethene	0.364	0.401	0.397	0.408	0.381	0.414	0.400	5.88
Chlorobenzene	0.816	0.852	0.822	0.837	0.849	0.823	0.827	2.52
m&p-Xylene	1.061	1.129	1.119	1.141	1.132	1.096	1.103	3.50
o-Xylene	1.041	1.176	1.156	1.160	1.155	1.119	1.123	4.80
1,1,2,2-Tetrachloroethane	0.319	0.341	0.357	0.373	0.377	0.380	0.359	6.18
1,4-Dichlorobenzene	1.160	1.142	1.116	1.163	1.176	1.142	1.140	2.73
1,2-Dichlorobenzene	0.985	1.055	1.070	1.126	1.147	1.115	1.082	5.03
Toluene-d8	1.283	1.298	1.291	1.291	1.306	1.314	1.300	0.94
4-Bromofluorobenzene	0.479	0.490	0.482	0.487	0.499	0.499	0.491	1.76
Dibromofluoromethane	0.469	0.474	0.481	0.479	0.480	0.471	0.475	1.00

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Instrument ID: NV

Calibration Date(s): 03/27/02

Heated Purge:(Y/N) N

Calibration Times: 12:37

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Instrument ID: NVCalibration Date: 09/19/03Lab File ID: 1301013.DInit. Calib. Date(s): 09/24/03Heated Purge: (Y/N) NInit. Calib. Times: 1:01GC Column: J&W ScientificDB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.407	0.397	0.100	2.5	25.0
Trichlorofluoromethane	0.664	0.660		0.6	
1,1-Dichloroethene (CM)	0.427	0.403	0.100	5.6	25.0
Methylene Chloride	0.496	0.449		9.5	
-Dichloroethane (P)	0.844	0.834	0.200	1.2	25.0
cis-1,2-Dichloroethene	0.478	0.463		3.1	
1,2-Dichloroethane	0.657	0.619	0.100	5.8	25.0
Chloroform	0.809	0.782	0.200	3.3	25.0
1,1,1-Trichloroethane	0.661	0.657	0.100	0.6	25.0
Carbon Tetrachloride	0.322	0.341	0.100	-5.9	25.0
Trichloroethene	0.287	0.285	0.300	0.7	25.0
Toluene	1.201	1.159	0.400	3.5	25.0
1,1,2-Trichloroethane	0.252	0.238	0.100	5.6	25.0
Tetrachloroethene	0.400	0.474	0.200	-18.5	25.0
Chlorobenzene	0.827	0.789	0.500	4.6	25.0
m,p-Xylene	1.103	1.068		3.2	
o-Xylene	1.123	1.118		0.4	
1,1,2,2-Tetrachloroethane	0.359	0.320	0.500	10.9	25.0
1,4-Dichlorobenzene	1.140	1.078		5.4	
1,2-Dichlorobenzene	1.082	1.028		5.0	
Toluene-d8]	1.300	1.266		2.6	
4-Bromofluorobenzene	0.491	0.497	0.200	-1.2	25.0
Dibromofluoromethane	0.475	0.447	0.100	5.9	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Instrument ID: NV Calibration Date: 03/27/02

Lab File ID: Init. Calib. Date(s): 09/24/03

Heated Purge: (Y/N) N Init. Calib. Times: 1:01

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.019	0.010	13.6	25.0
Toluene-d8			0.200		25.0
4-Bromofluorobenzene			0.100		25.0
Dibromofluoromethane					

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID (Standard): 1301013.D

Date Analyzed: 09/24/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 01:01

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	617571	10.77	942553	11.78	864174	15.78	451166	19.20
UPPER LIMIT	1235142	11.27	1885106	12.28	1728348	16.28	902332	19.70
LOWER LIMIT	308786	10.27	471277	11.28	432087	15.29	225583	18.72
LAB SAMPLE NO.								
METHOD BLK	587323	10.77	910758	11.77	831655	15.79	395488	19.20
LCS	597103	10.77	920849	11.77	849603	15.78	419455	19.20
LCSD	619937	10.77	947639	11.77	865826	15.78	415810	19.20
T17476	580037	10.77	904474	11.77	834987	15.78	388424	19.20
MS	589895	10.77	925369	11.77	835202	15.78	394491	19.22
MSD	570022	10.77	903703	11.77	830881	15.78	388246	19.20
T17477	578181	10.77	893996	11.77	823077	15.78	384576	19.22
T17480	547452	10.77	868790	11.77	795630	15.79	355545	19.21
T17481	528632	10.77	842240	11.77	776826	15.78	354217	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID (Standard): 1601016.D

Date Analyzed: 09/24/03

Instrument ID: NV

Time Analyzed: 02:51

J&W Scientific

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	620269	10.77	956305	11.77	871431	15.79	406547	19.20
UPPER LIMIT	1240538	11.27	1912610	12.27	1742862	16.29	813094	19.70
LOWER LIMIT	310135	10.27	478153	11.27	435716	15.30	203274	18.72
LAB SAMPLE NO.								
METHOD BLK	587323	10.77	910758	11.77	831655	15.79	395488	19.20
T17478	564648	10.77	887165	11.77	813288	15.79	380867	19.21
T17479	551067	10.77	881109	11.78	799971	15.78	368547	19.22

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3091728

Page Numbers

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4	Water Semivolatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3C)
5	Water Semivolatile LCS/LCSD Recovery (Form 3C)
6	Semivolatile Method Blank Summary (Form 4B)
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9	Semivolatile Continuing Calibration Check (Form 7B)
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11	Semivolatile Internal Standard Area and RT Summary (Form 8C)
12	Semivolatile Raw Data
136	TOTAL PAGES

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N6

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Matrix: (soil/water) WaterLab Sample ID: 17486Sample wt/vol: 1000 (g/mL) mLLab File ID: 2001020.D% Moisture: NA decanted: (Y/N) NDate Received: 09/17/03Concentrated Extract Volume: 1000 (uL)Date Extracted: 09/18/03Injection Volume: 1.0 (uL)Date Analyzed: 09/25/03GPC Cleanup: (Y/N) NDilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
110-86-1	Pyridine	5		U
106-46-7	1,4-Dichlorobenzene	5		U
95-50-1	1,2-Dichlorobenzene	5		U
95-48-7	2-Methylphenol	5		U
106-44-5	4-Methylphenol	5		U
67-72-1	Hexachloroethane	5		U
98-95-3	Nitrobenzene	5		U
51-28-5	2,4-Dinitrophenol	5		U
121-14-2	2,4-Dinitrotoluene	5		U
118-74-1	Hexachlorobenzene	5		U
87-86-5	Pentachlorophenol	5		U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ2CR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix: (soil/water) Water

Lab Sample ID: T17487

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 2301023.D

% Moisture: NA decanted:(Y/N) N

Date Received: 09/17/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 09/18/03

Injection Volume: 1.0 (uL)

Date Analyzed: 09/25/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>ug/L</u>	Q
---------	----------	---	-------------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	87	88	98	36	49	89	0
02	LCS	97	90	105	40	57	109	0
	LCSD	97	90	103	41	57	109	0
	T17486	82	78	69	31	43	77	0
05	MS	78	72	85	28	42	102	0
06	MSD	77	71	86	28	43	99	0
07	T17487	84	80	69	31	46	77	0

S1 (NBZ) = Nitrobenzene-d5
S2 (FBP) = 2-Fluorobiphenyl
S3 (TPH) = Terphenyl-d14
S4 (PHL) = Phenol-d5
S5 (2FP) = 2-Fluorophenol
S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
(7-138)
(15-135)
(45-162)
(0-68)
(0-94)
(45-152)

Column to be used to flag recovery values

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix Spike - WIPP Sample No.: MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Pyridine	80000	0	14500	18		D-63
1,4-Dichlorobenzene	80000	0	64600	81		25-88
1,2-Dichlorobenzene	80000	0	68000	85		26-115
2-Methylphenol	80000	0	54500	68		19-91
4-Methylphenol/3-Methylphenol	80000	0	51500	64		22-119
Hexachloroethane	80000	0	67100	84		20-101
Nitrobenzene	80000	0	73600	92		18-150
2,4-Dinitrophenol	80000	0	78500	98		12-145
2,4-Dinitrotoluene	80000	0	96200	120		25-130
Hexachlorobenzene	80000	0	96800	121		D-152
Pentachlorophenol	80000	0	59600	75		D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	14600	18		0		20	D-63
1,4-Dichlorobenzene	80000	65500	82		1		20	25-88
1,2-Dichlorobenzene	80000	67600	85		0		20	26-115
2-Methylphenol	80000	55000	69		1		20	19-91
4-Methylphenol/3-Methylphenol	80000	51500	64		0		20	22-119
Hexachloroethane	80000	67000	84		0		20	20-101
Nitrobenzene	80000	73500	92		0		20	18-150
2,4-Dinitrophenol	80000	77600	97		1		20	12-145
2,4-Dinitrotoluene	80000	94600	118		2		20	25-130
Hexachlorobenzene	80000	96700	121		0		20	D-152
Pentachlorophenol	80000	60000	75		0		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC	#	QC. LIMITS REC.
Pyridine	80000	0	22400	28		D-63
1,4-Dichlorobenzene	80000	0	82500	103	*	25-88
1,2-Dichlorobenzene	80000	0	87100	109		26-115
2-Methylphenol	80000	0	73300	92	*	19-91
4-Methylphenol/3-Methylphenol	80000	0	69400	87		22-119
Hexachloroethane	80000	0	82700	103	*	20-101
Nitrobenzene	80000	0	91000	114		18-150
2,4-Dinitrophenol	80000	0	74900	94		12-145
2,4-Dinitrotoluene	80000	0	103000	129		25-130
Hexachlorobenzene	80000	0	102000	128		D-152
Pentachlorophenol	80000	0	66700	83		D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD REC.
Pyridine	80000	22800	29		4	20	D-63
1,4-Dichlorobenzene	80000	83100	104	*	1	20	25-88
1,2-Dichlorobenzene	80000	87700	110		1	20	26-115
2-Methylphenol	80000	73500	92	*	0	20	19-91
4-Methylphenol/3-Methylphenol	80000	70400	88		1	20	22-119
Hexachloroethane	80000	82100	103	*	0	20	20-101
Nitrobenzene	80000	91300	114		0	20	18-150
2,4-Dinitrophenol	80000	81200	102		8	20	12-145
2,4-Dinitrotoluene	80000	105000	131	*	2	20	25-130
Hexachlorobenzene	80000	102000	128		0	20	D-152
Pentachlorophenol	80000	65300	82		1	20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 7 out of 22 outside limits

COMMENTS Analyte recoveries biased high. All samples reported as non-detect.

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID: 1701017.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 09/18/03

Matrix: (soil/water) Water

Date Analyzed: 09/25/03

Time Analyzed: 12:39

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	1801018.D	09/25/03
02	LCSD	LCSD	1901019.D	09/25/03
03	WQ2CR17N6	T17486	2001020.D	09/25/03
04	WQ2CR17N6MS	MS	2101021.D	09/25/03
05	WQ2CR17N6MSD	MSD	2201022.D	09/25/03
06	WQ2CR17N6D	T17487	2301023.D	09/25/03

COMMENTS:

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: TraceAnalysis, Inc.SDG No.: 3091728Lab File ID: 0101001.DDFTPP Injection Date: 09/24/03Instrument ID: NSDFTPP Injection Time: 2:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	52.2
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	39.6
70	Less than 2.0% of mass 69	0.4
127	25.0 - 75.0% of mass 198	42.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	25.4
365	Greater than 0.75% of mass 198	3.4
441	Present, but less than mass 443	75.5
442	40.0 - 110.0% of mass 198	99.8
443	15.0 - 24.0% of mass 442	19.3

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0901009.D	09/24/03	7:42
02	METHOD BLANK	METHOD BLANK	1701017.D	09/25/03	12:39
03	LCS	LCS	1801018.D	09/25/03	1:16
04	LCSD	LCSD	1901019.D	09/25/03	1:53
05	WQ2CR17N6	T17486	2001020.D	09/25/03	2:30
06	WQ2CR17N6MS	MS	2101021.D	09/25/03	3:06
07	WQ2CR17N6MSD	MSD	2201022.D	09/25/03	3:44
08	WQ2CR17N6D	T17487	2301023.D	09/25/03	4:21

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATALab Name: TraceAnalysis, Inc.SDG No.: 3091728Instrument ID: NS Calibration Date(s) 09/24/03Calibration Times: 9:35

LAB FILE ID:	RRF5 = 0301003.D	RRF20 = 0401004.D
RRF40 = 0501005.D	RRF60 = 0201003.D	RRF80 = 0601006.D
RRF100 = 0701007.D		

COMPOUND							%	
	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	AVERAGE	RSD
Pyridine	* 1.201	1.216	1.215	1.320	1.466	1.434	1.309	8.99
1,4-Dichlorobenzene	* 1.570	1.589	1.547	1.590	1.563	1.714	1.596	3.77
1,2-Dichlorobenzene	* 1.385	1.394	1.372	1.389	1.370	1.482	1.399	3.01
2-Methylphenol	* 1.107	1.041	0.960	0.883	0.921	0.996	0.985	8.28
4-Methylphenol	* 1.078	1.029	0.942	0.863	0.905	0.970	0.965	8.21
Hexachloroethane	* 0.526	0.537	0.534	0.562	0.542	0.587	0.548	4.14
Nitrobenzene	* 0.396	0.418	0.414	0.420	0.418	0.452	0.420	4.35
2,4-Dinitrophenol		0.193	0.254	0.274	0.264	0.290	0.255	14.60
2,4-Dinitrotoluene	* 0.313	0.388	0.457	0.439	0.444	0.474	0.419	14.22
Hexachlorobenzene	* 0.243	0.244	0.242	0.262	0.258	0.281	0.255	6.04
Pentachlorophenol	* 0.100	0.167	0.161	0.174	0.169	0.185	0.159	19.00
Nitrobenzene-d5	0.395	0.426	0.482	0.436	0.428	0.464	0.438	6.98
2-Fluorobiphenyl	* 1.675	1.670	1.835	1.433	1.464	1.551	1.605	9.44
Terphenyl-d14	* 0.992	1.015	1.145	0.976	0.992	1.046	1.028	6.07
Phenol-d5	1.411	1.398	1.509	1.233	1.272	1.358	1.363	7.33
2-Fluorophenol	* 1.073	1.164	1.338	1.203	1.182	1.268	1.205	7.56
2,4,6-Tribromophenol	0.180	0.216	0.300	0.259	0.264	0.286	0.251	17.91

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

FORM VI SV-1

OLM02.0

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Instrument ID: NS Calibration Date: 09/24/03

Lab File ID: 0901009.D Init. Calib. Date(s): 09/24/03

Init. Calib. Times: 7:42

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.309	1.288	0.500	1.6	25.0
1,4-Dichlorobenzene	1.596	1.614		-1.1	
1,2-Dichlorobenzene	1.399	1.390		0.6	
2-Methylphenol	0.985	0.909	0.700	7.7	25.0
4-Methylphenol	0.965	0.914	0.600	5.3	25.0
Hexachloroethane	0.548	0.562	0.300	-2.6	25.0
Nitrobenzene	0.420	0.427	0.200	-1.7	25.0
2,4-Dinitrophenol	0.255	0.262	0.200	-2.7	25.0
2,4-Dinitrotoluene	0.419	0.427		-1.9	
Hexachlorobenzene	0.255	0.265		-3.9	
Pentachlorophenol	0.159	0.180	0.050	-13.2	25.0
Nitrobenzene-d5	0.438	0.437	0.200	0.2	25.0
2-Fluorobiphenyl	1.605	1.432	0.700	10.8	25.0
Terphenyl-d14	1.028	1.002	0.500	2.5	25.0
Phenol-d6	1.363	1.264	0.800	7.3	25.0
2-Fluorophenol	1.205	1.202	0.600	0.2	25.0
2,4,6-Tribromophenol	0.251	0.260		-3.6	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1

Forms by ChemSW(707)864-8845;p/n11013;v3.2;11/1/97

OLM02.0

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID (Standard): 0901009.D

Date Analyzed: 09/24/03

Instrument ID: NS

Time Analyzed: 7:42

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR ST	1520317	9.65	4080008	12.12	2133716	15.04
UPPER LIMIT	3040634	10.15	8160016	12.62	4267432	15.54
LOWER LIMIT	760159	9.15	2040004	11.62	1066858	14.54
SAMPLE NO.						
01 method blank	893371	9.63	2871585	12.10	1228001	15.03
02 lcs	838852	9.64	2239907	12.11	1090530	15.03
03 lcsd	833365	9.64	2227311	12.11	1067746	15.03
04 T17486	954154	9.63	2957750	12.10	1247305	15.03
05 MS	897974	9.64	2351751	12.10	1150529	15.03
06 MSD	872936	9.64	2298175	12.10	1155817	15.03
07 T17487	935060	9.63	2868491	12.10	1222070	15.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3091728

Lab File ID (Standard): 0901009.D

Date Analyzed: 09/24/03

Instrument ID: NS

Time Analyzed: 7:42

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR ST	3982048	17.10	3465494	20.60	2958832	23.29
UPPER LIMIT	7964096	17.60	6930988	21.10	5917664	23.79
LOWER LIMIT	1991024	16.60	1732747	20.10	1479416	22.79
SAMPLE NO.						
01 method blank	2288066	17.08	1870236	20.58	1545659	23.26
02 lcs	2086208	17.09	1765418	20.60	1463706	23.28
03 lcsd	2063208	17.09	1766665	20.59	1474331	23.28
04 T17486	2217337	17.08	1931943	20.58	1518092	23.25
05 MS	2234032	17.08	1919963	20.59	1610011	23.62
06 MSD	2198457	17.09	1894829	20.59	1611923	23.27
07 T17487	2169722	17.07	1954489	20.58	1517581	23.25

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3091728

Page Numbers

<u>From</u>	<u>Document Description</u>
1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES

17476-71

REQUEST FOR ANALYSIS

3091728

RFA Control No. 6454
C of C Control No. 2454WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078DATE SAMPLES SHIPPED 9/17/03
LAB DESTINATION Trace Analysis
LABORATORY CONTACT James Taylor
SEND LAB REPORT TO Mark Edwards
P.O. Box 2078
Carlsbad, N.M. 88221SAMPLING PROGRAM WIPP/DMP
PURCHASE ORDER NO. 3230DATE REPORT REQUIRED 10/17/03
PROJECT CONTACT Ron Richardson
PROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req'd. Testing Program	Special Instructions
WQ2CR17N1	Ground water	40 ml. x 4	HCL pH<2	VOC	Method 8260 17476
WQ2CR17N1D	↑	40 ml. x 4	↑	VOC	↑ 77
WQ2CR17N2		40 ml. x 2		VOC (other)	↑ 78
WQ2CR17N2D		40 ml. x 2		VOC (other)	↑ 79
WQ2CR17N3		40 ml. x 4	↓	VOC Trip Blank	↓ 80
WQ2CR17N3D		40 ml. x 4	HCL pH<2	VOC Trip Blank	Method 8260 81
WQ2CR17N4		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 82
WQ2CR17N4D		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 83
WQ2CR17N5		250 ml. x 1	HCL pH<2	TOC	Method 415.1 84
WQ2CR17N5D		250 ml. x 1	HCL pH<2	TOC	Method 415.1 85
WQ2CR17N6		1 liter x 6	NONE	Semi-Volatiles	Method 8270 86
WQ2CR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270 87
WQ2CR17N7	Ground water	1 liter x 1	HNO3 pH<2	Metals	Method 6010 88

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)
 POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
 NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____
 SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY Nell GreenDATE/TIME 9-17-03 12:30pm

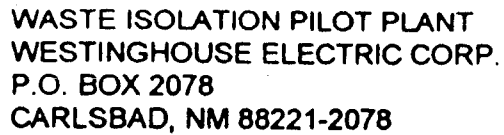
WP 02-EM3001

WHITE - Original, to accompany samples YELLOW - Field Copy PINK - Other

NA

SECTION V
Page 1

3091728



C of C Control No. 6455

RFA Control No. 6455

SAMPLING PROGRAM WIPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIERWAYBILL NO. NA

[illegible]

Special Instructions: NONE

Possible Sample Hazards: NPNE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bul Foster, WRES, 9/17/03 12:30 Relinquished By: _____

Received By: Nell Green Trace Analysis 9-17-03 12:30pm Received By: _____

2. Relinquished By: _____ 4. Relinquished By: _____

Received By: _____ Received By: _____

WP 02-EM3001

WHITE - Original, to accompany samples YELLOW - Field Copy PINK - Other

2°C carry in

SECTION V
Page 2

CHAIN-OF-CUSTODY RECORD

30917.7"



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6454RFA Control No. 6454

SAMPLING PROGRAM WIPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. N/A

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ2CR17N1	WQSP-2, Culebra	9/17/03 06:40-06:45	Ground Water	40 ml. A-Glass X4	good	N/A
WQ2CR17N1D	↑	06:45-06:50	↑	40 ml. A-Glass X4		
WQ2CR17N2		06:50-06:55		40 ml. A-Glass X2		
WQ2CR17N2D		06:55-07:00		40 ml. A-Glass X2		
WQ2CR17N3		06:20-06:25		40 ml. A-Glass X4		
WQ2CR17N3D		06:25-06:30		40 ml. A-Glass X4		
WQ2CR17N4		07:00-07:05		500 ml. A-Glass X1		
WQ2CR17N4D		07:05-07:10		500 ml. A-Glass X1		
WQ2CR17N5		07:10-07:15		250 ml. A-Glass X1		
WQ2CR17N5D		07:15-07:20		250 ml. A-Glass X1		
WQ2CR17N6		07:20-07:25		1 liter A-Glass X6		
WQ2CR17N6D	↓	07:25-07:30	↓	1 liter A-Glass X2		
WQ2CR17N7	WQSP-2, Culebra	9/17/03 07:30-07:35	Ground Water	1 liter plastic X1		

Special Instructions: NONEPossible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 9/17/03 12:30 Relinquished By: _____Received By: Nell Green Trace Analysis 9-17-03 12:30 PM Received By: _____

2. Relinquished By: _____

4. Relinquished By: _____

Received By: _____

Received By: _____

309 1728

RFA Control No.

\$455

C of C Control No

6455



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

DATE SAMPLES SHIPPED 9/17/03

LAB DESTINATION Trace Analysis

LABORATORY CONTACT James Taylor

SEND LAB REPORT TO Mark Edwards

P.O. Box 2078

Carlsbad, N.M. 8822,

DATE REPORT REQUIRED *10/17/03*

PROJECT CONTACT Ron Richardson

PROJECT CONTACT PHONE NO. (505) 234-8395

SAMPLING PROGRAM WIAP/AMP

PURCHASE ORDER NO. 3230

[illegible]

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL X RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE ☐ SKIN IRRITANT ☐ HIGHLY TOXIC ☐ BIOLOGICAL ☐ OTHER ☐

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB X

FOR LAB USE ONLY

RECEIVED BY Nell Green

DATE/TIME 9-17-03 12:30pm

WP 02-EM3001

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YELLOW - Field Copy

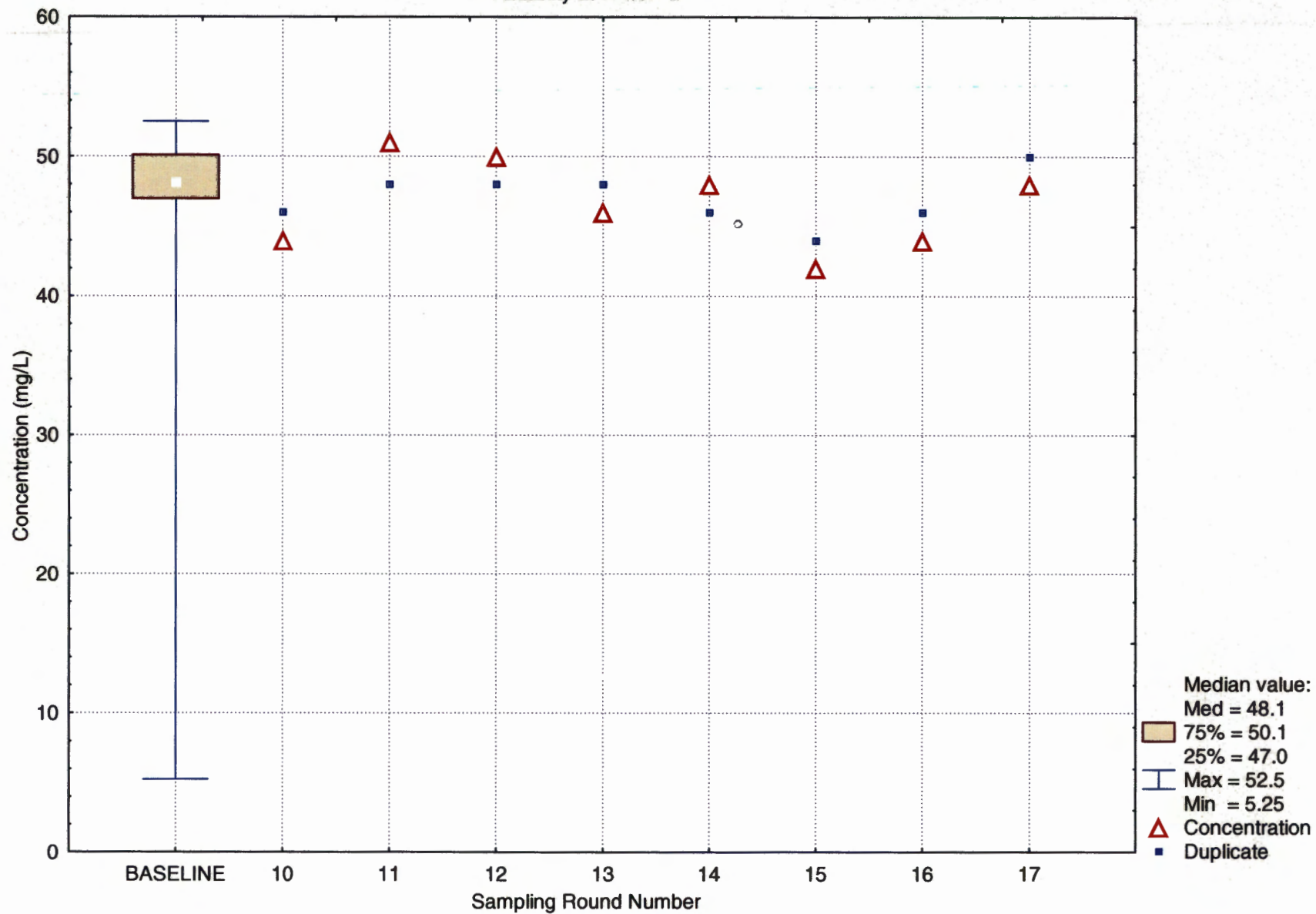
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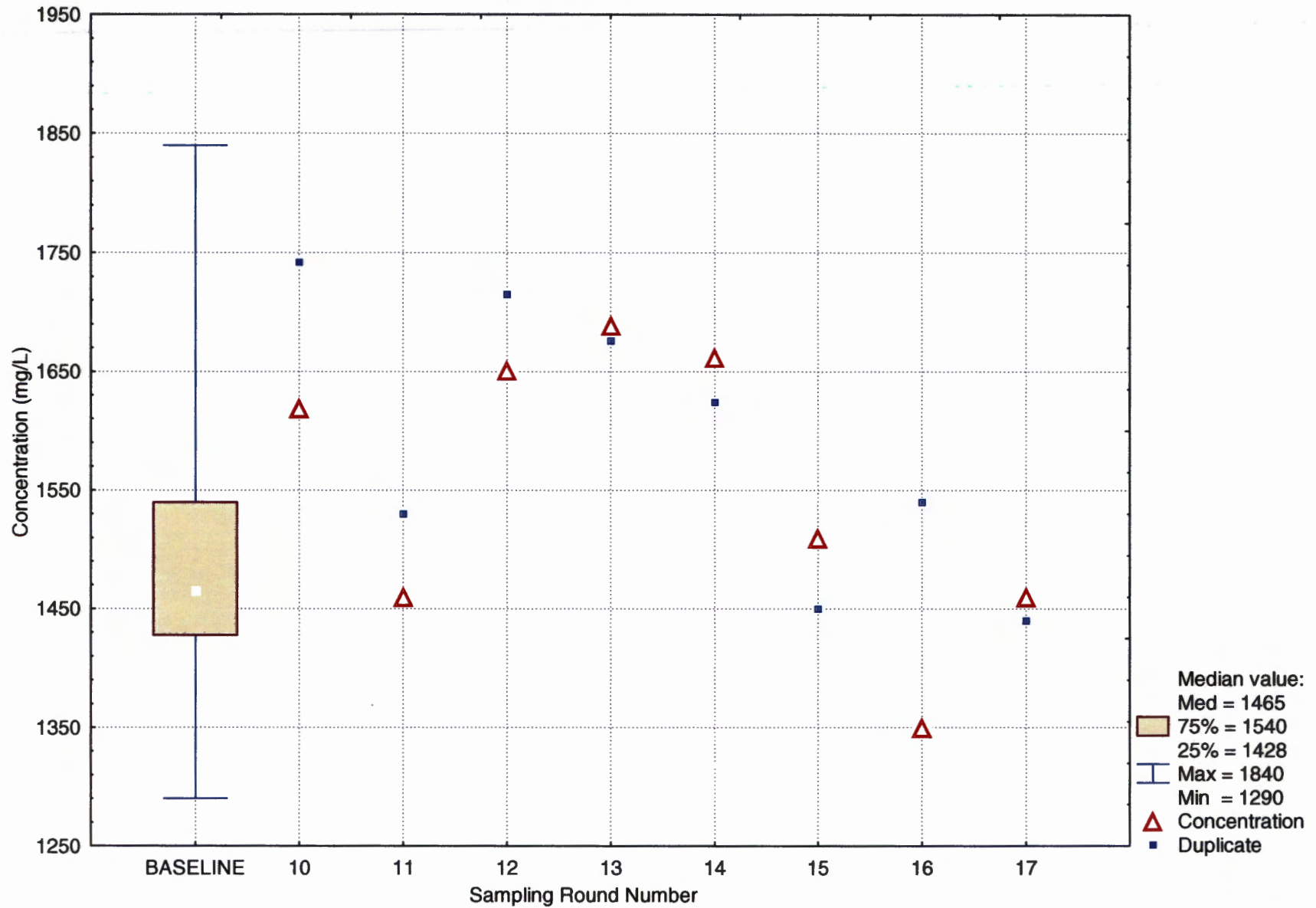
WELL WQSP-2

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

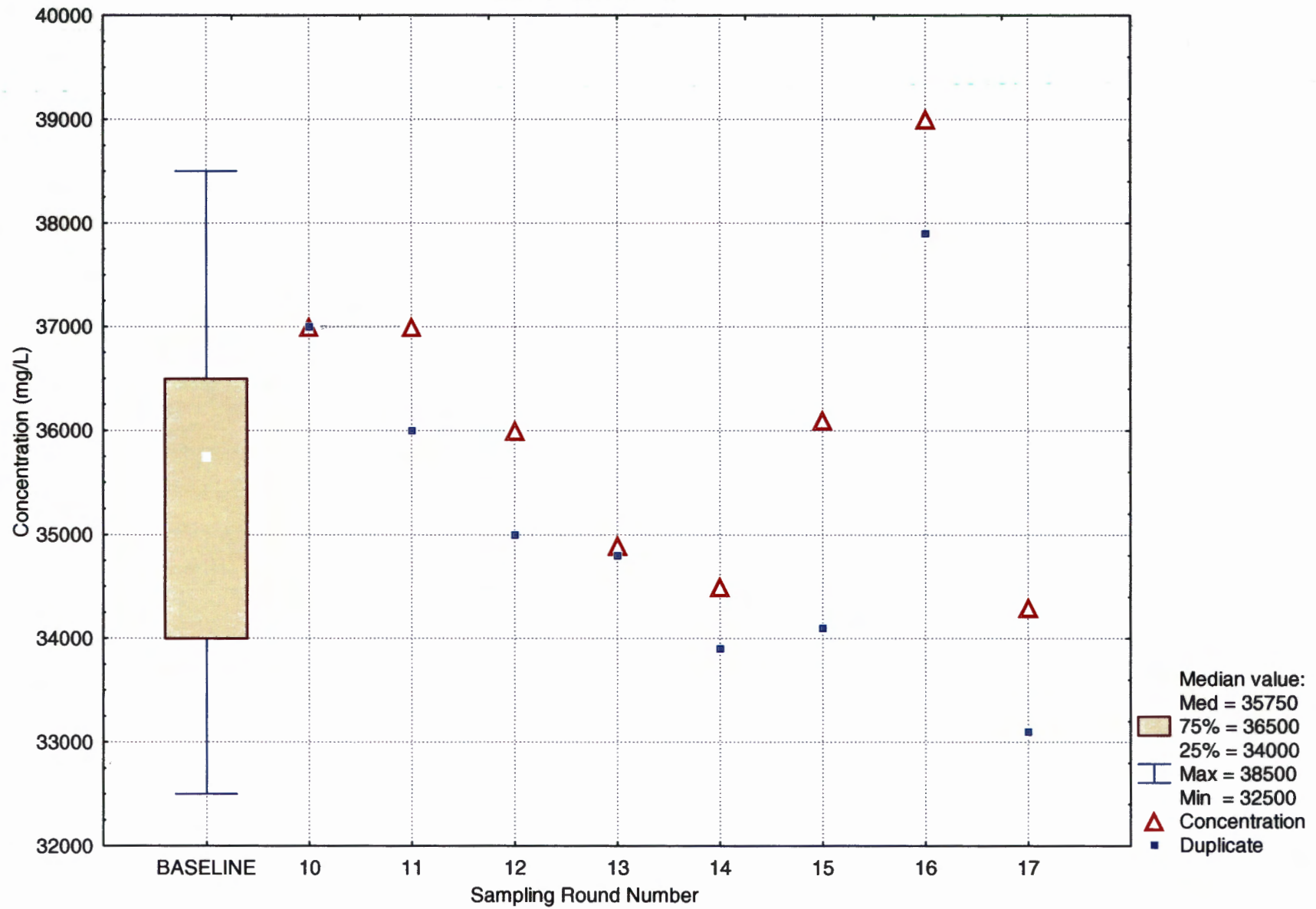
Alkalinity at WQSP-2



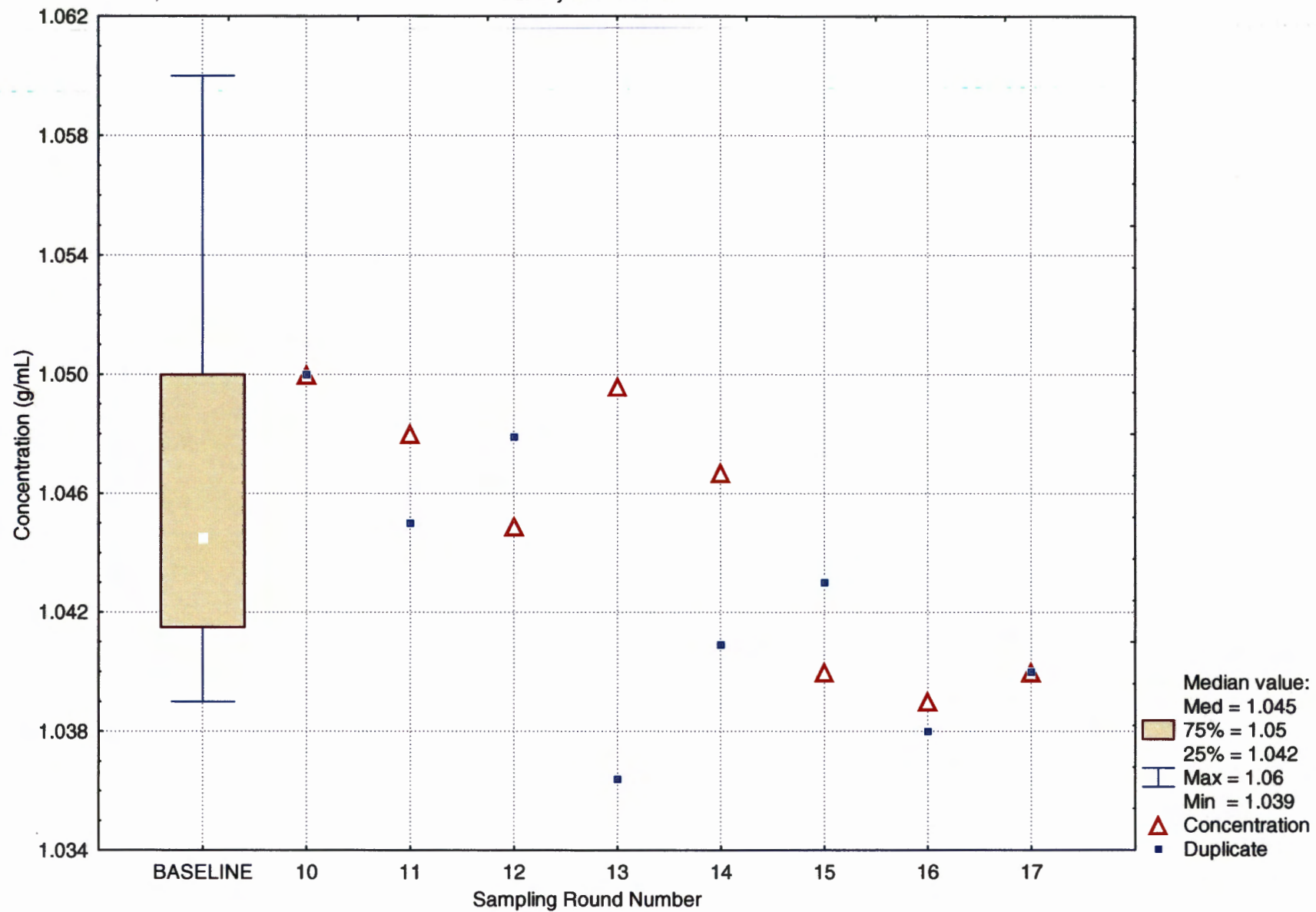
Calcium at WQSP-2



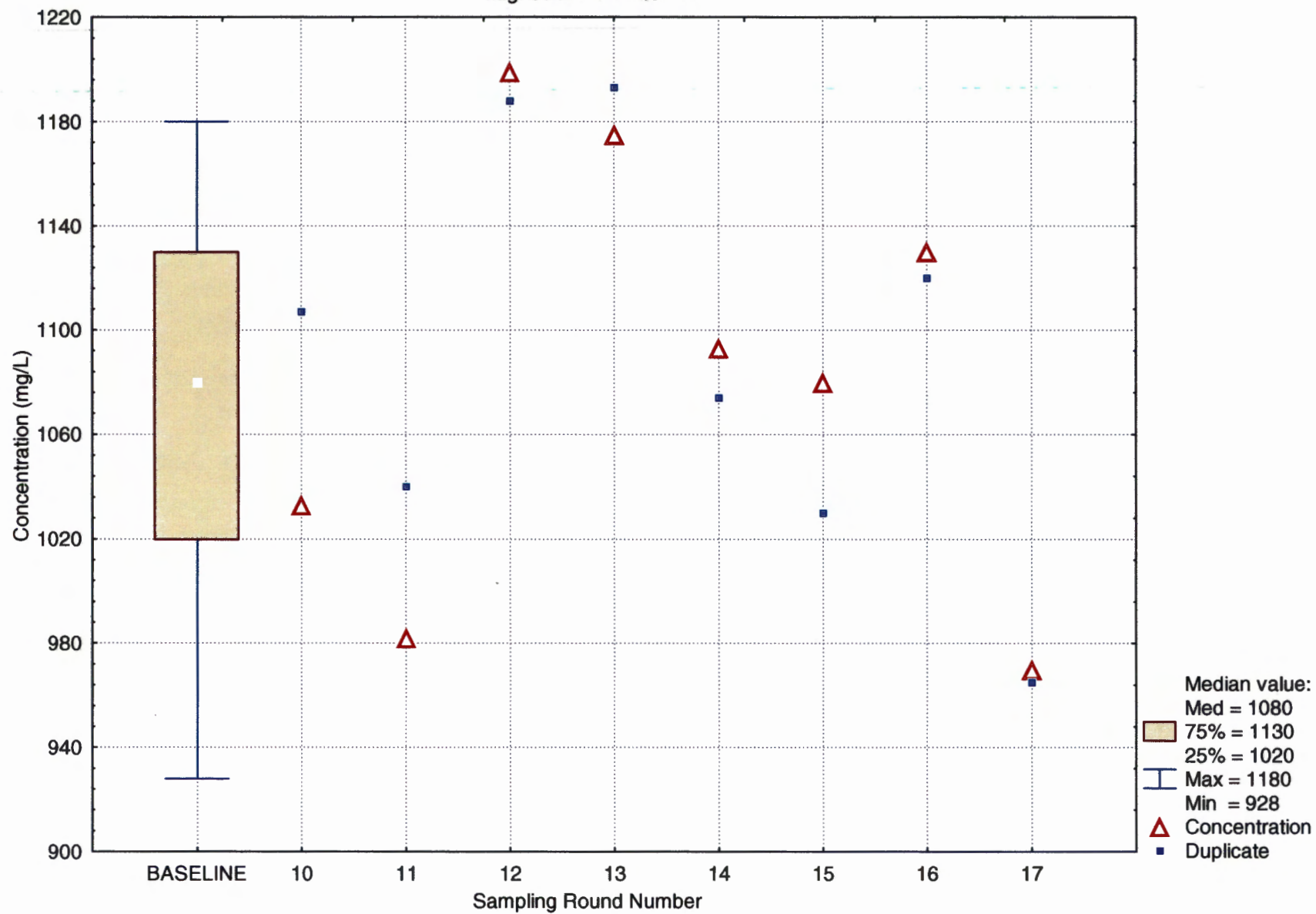
Chloride at WQSP-2

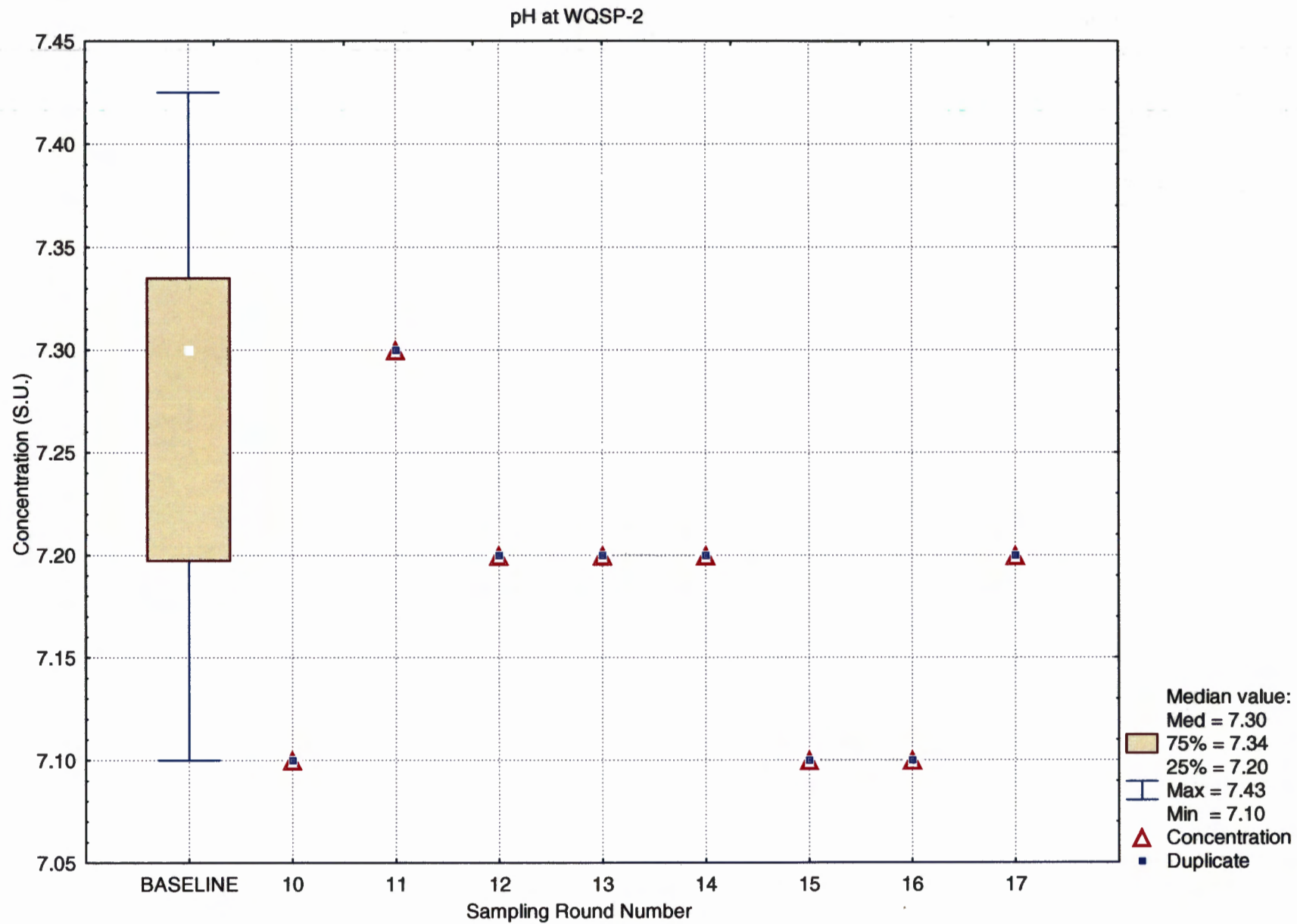


Density at WQSP-2

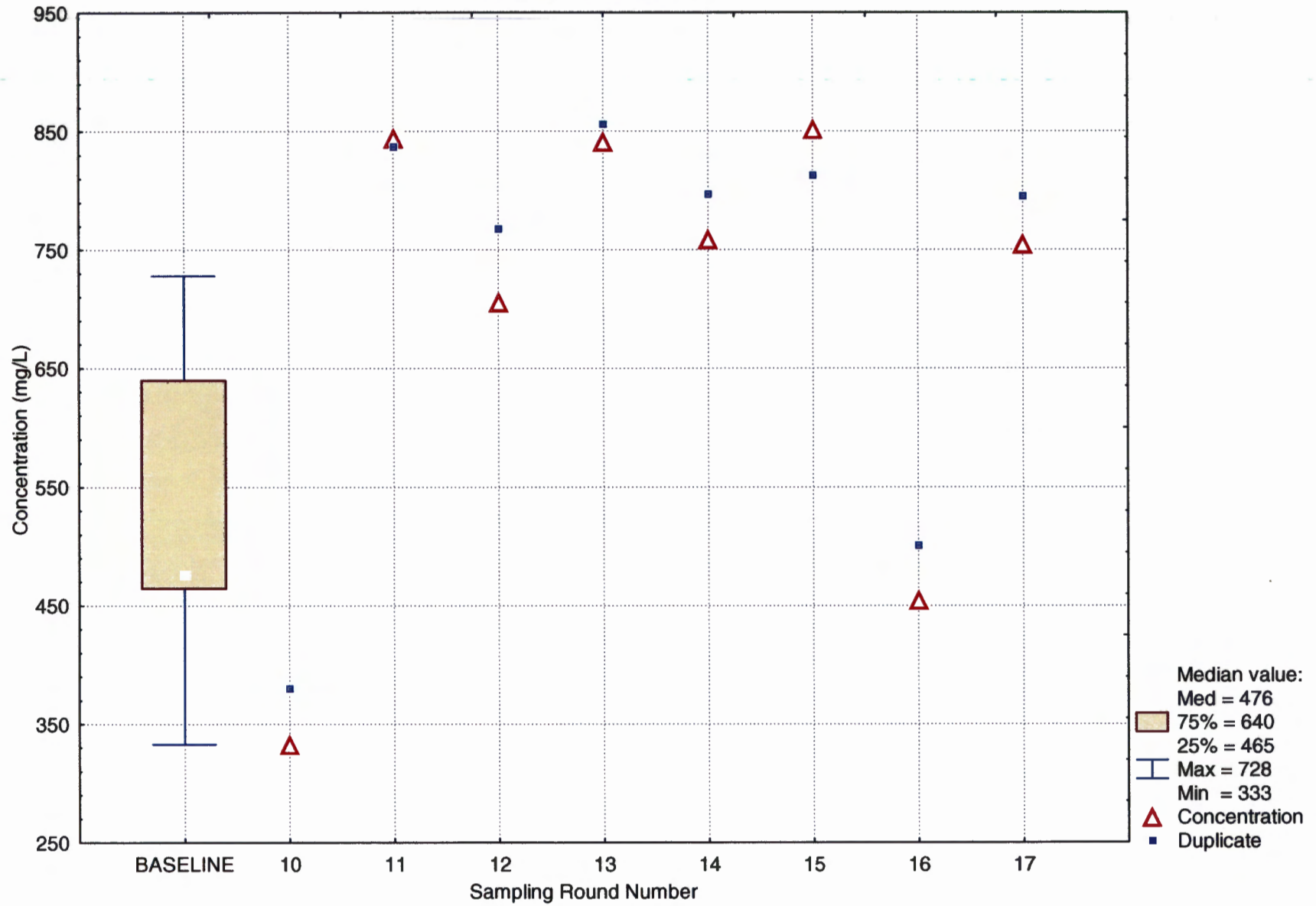


Magnesium at WQSP-2

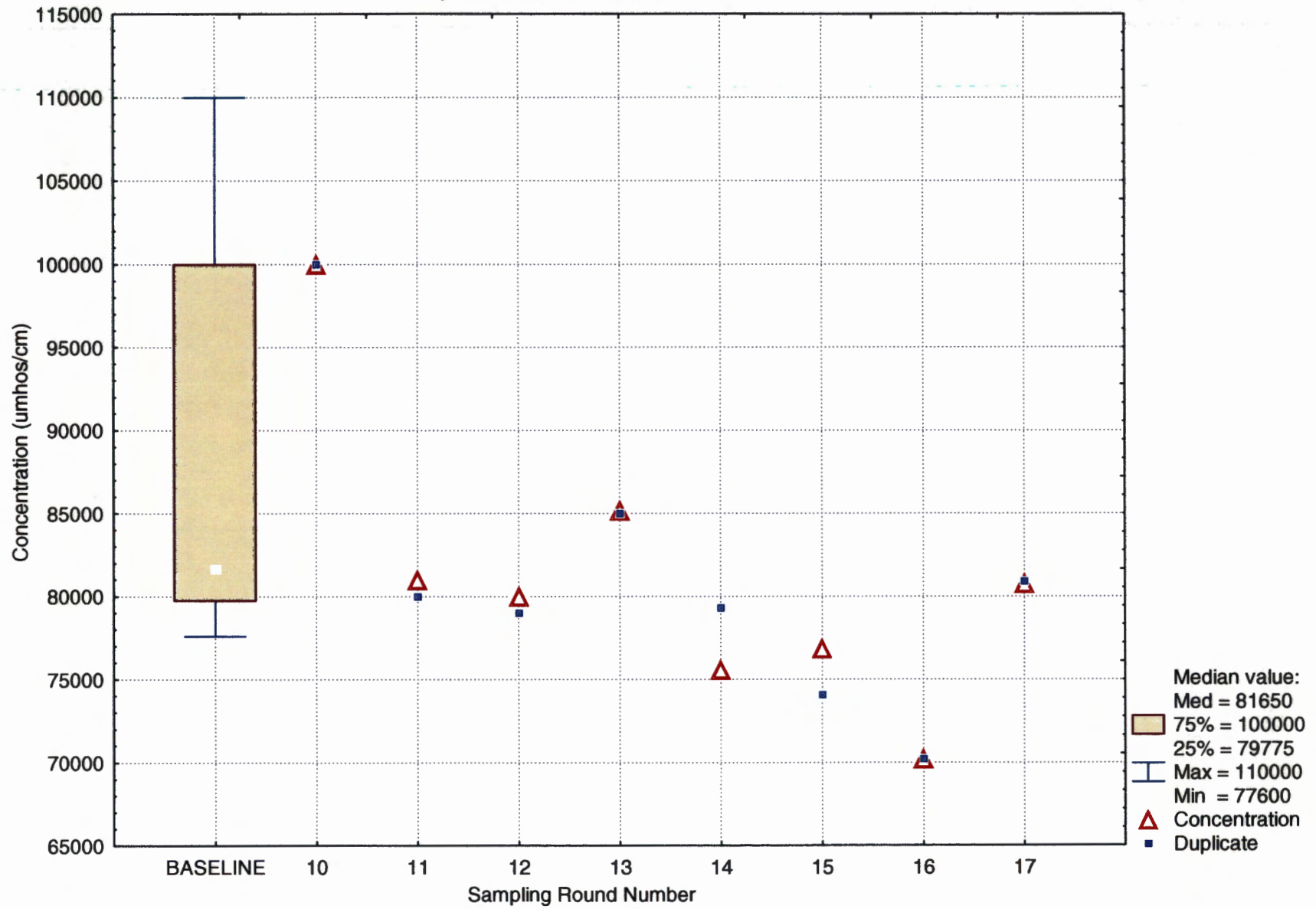




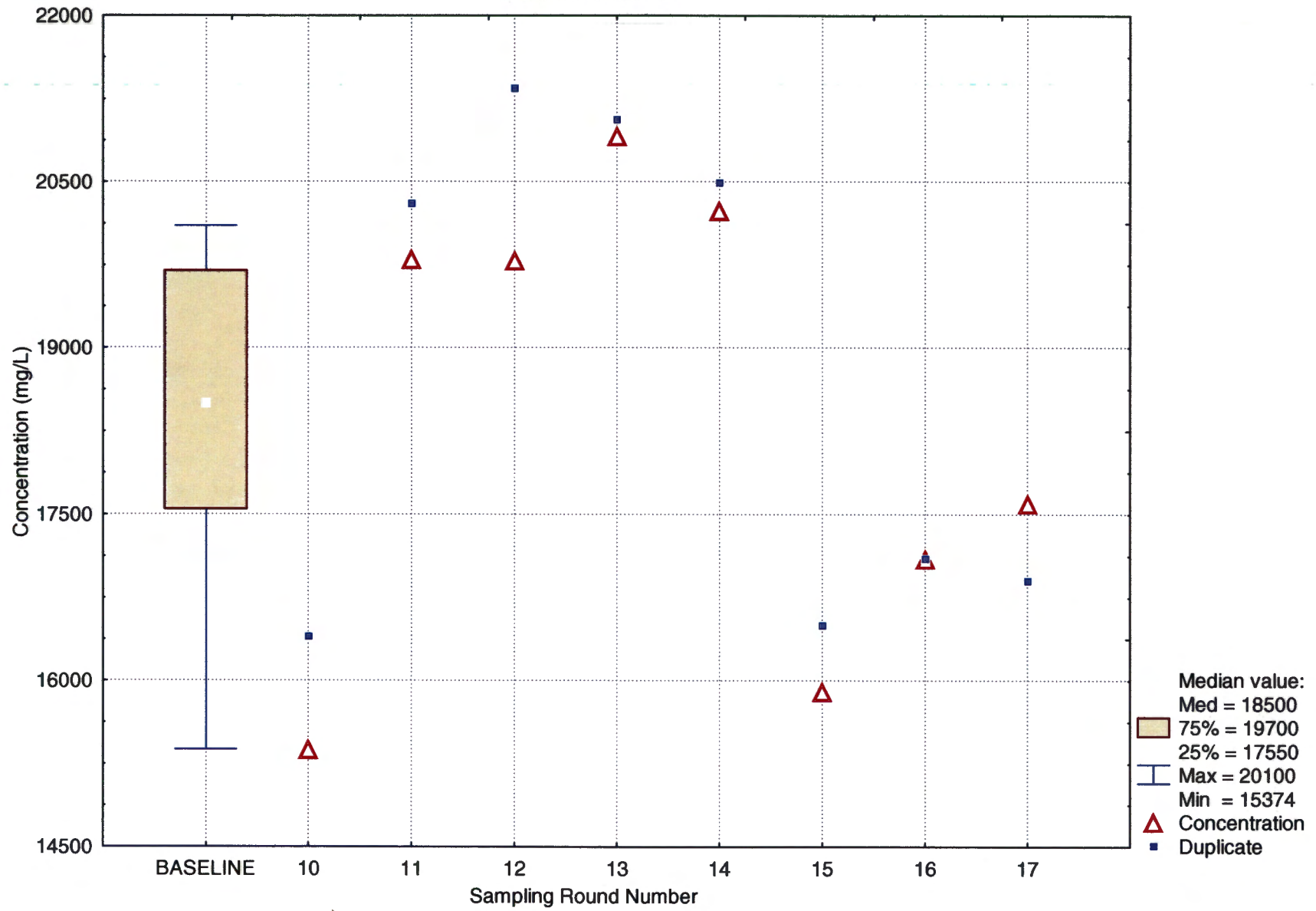
Potassium at WQSP-2



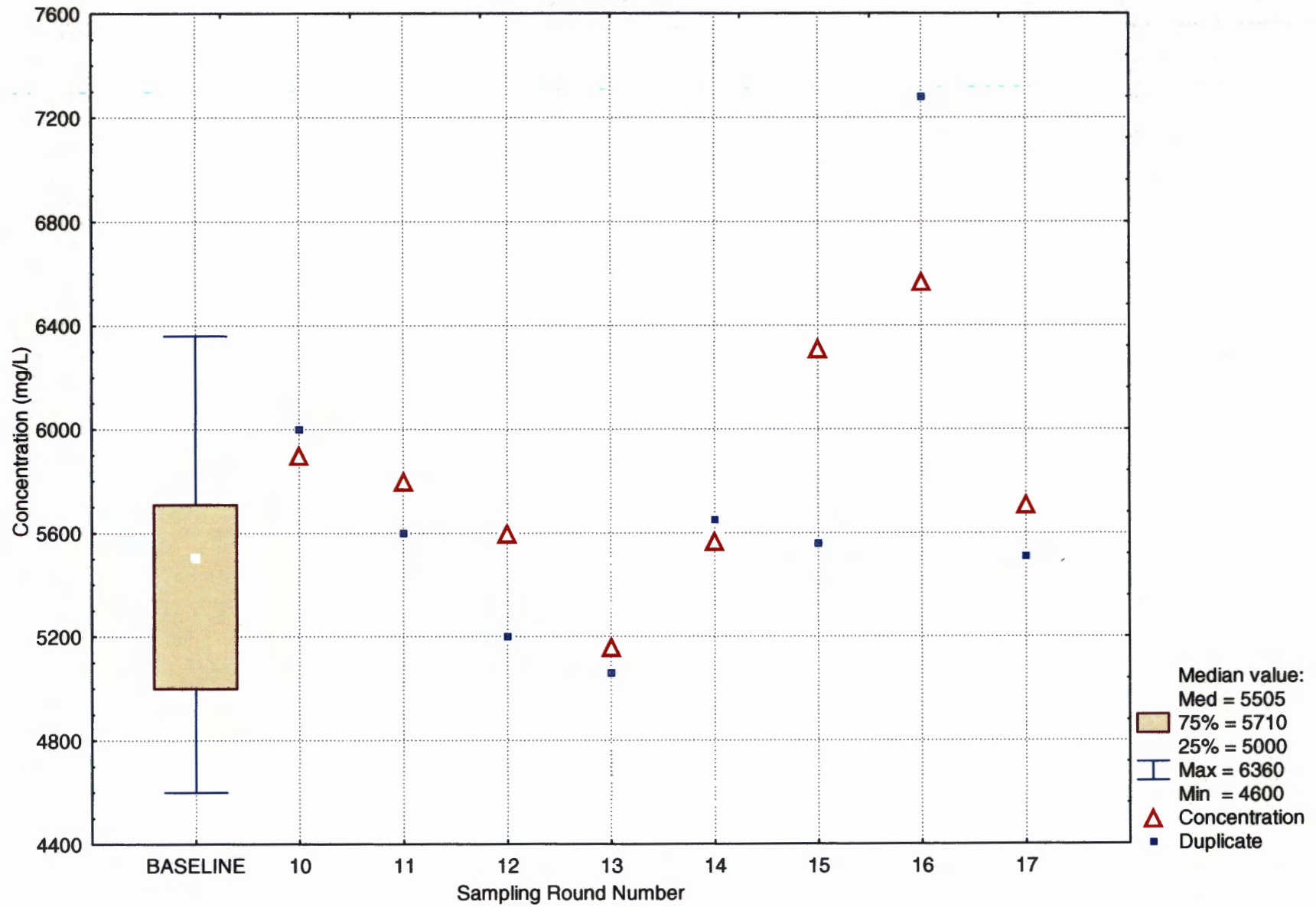
Specific Conductance at WQSP-2



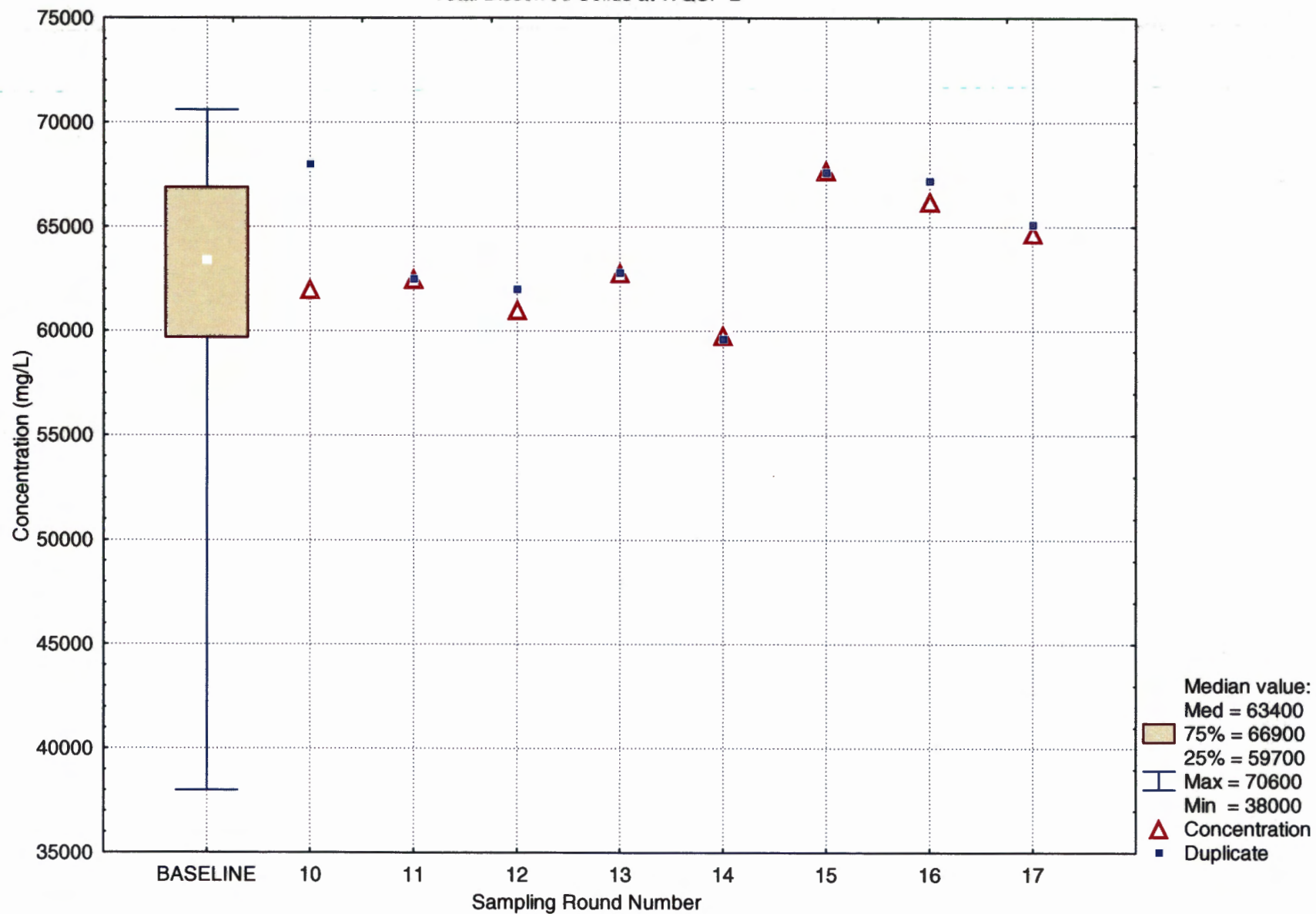
Sodium at WQSP-2



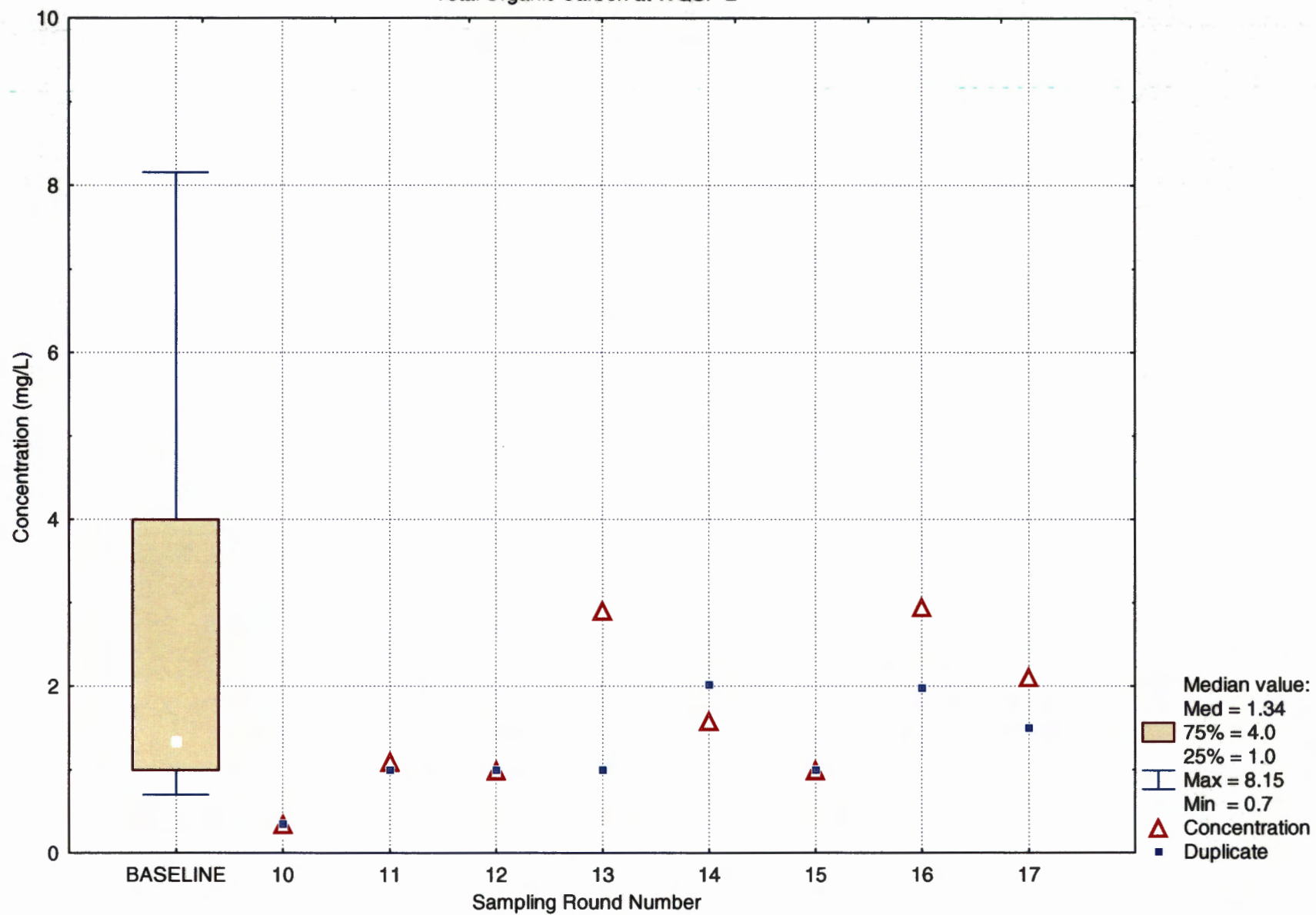
Sulfate at WQSP-2



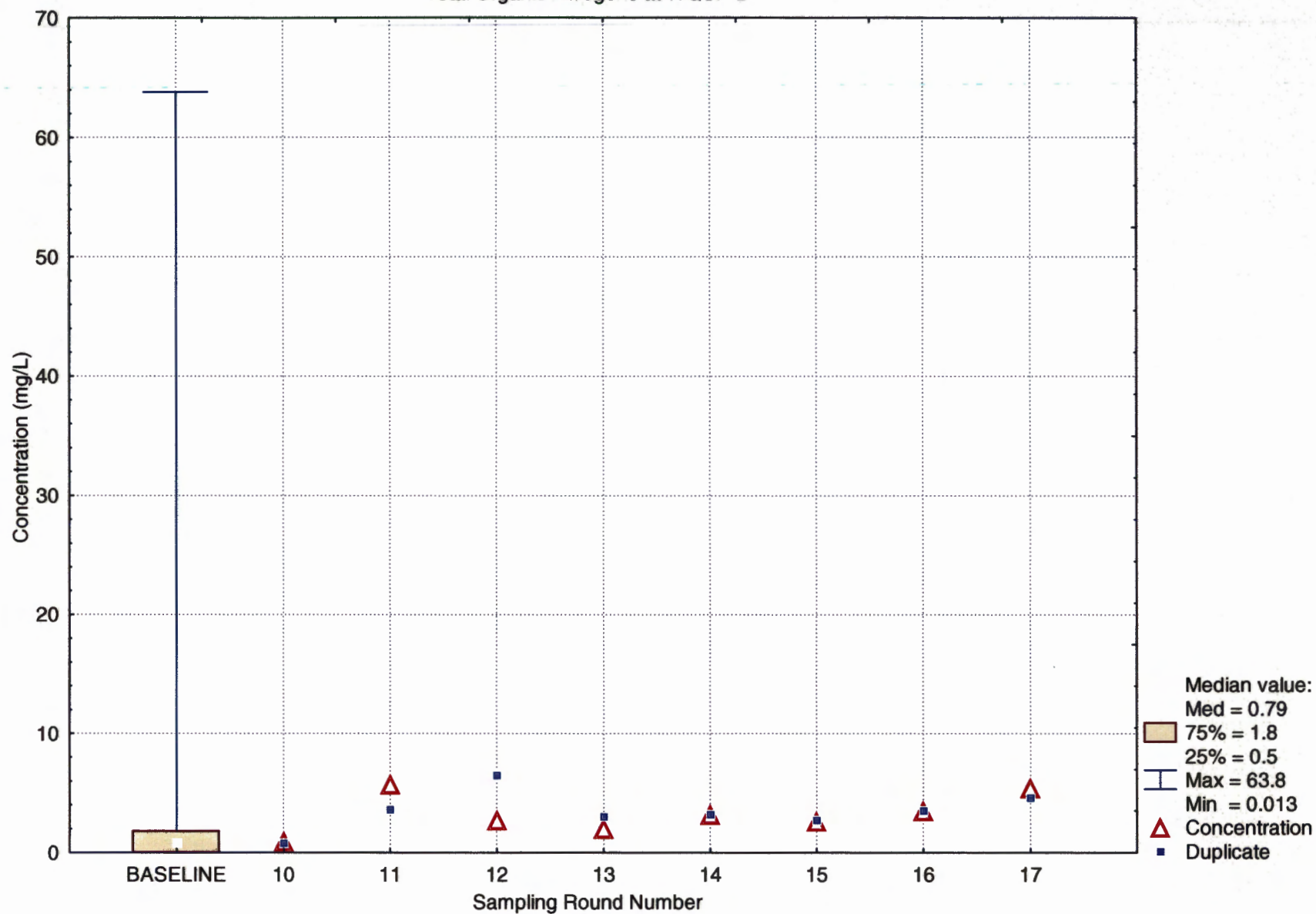
Total Dissolved Solids at WQSP-2



Total Organic Carbon at WQSP-2

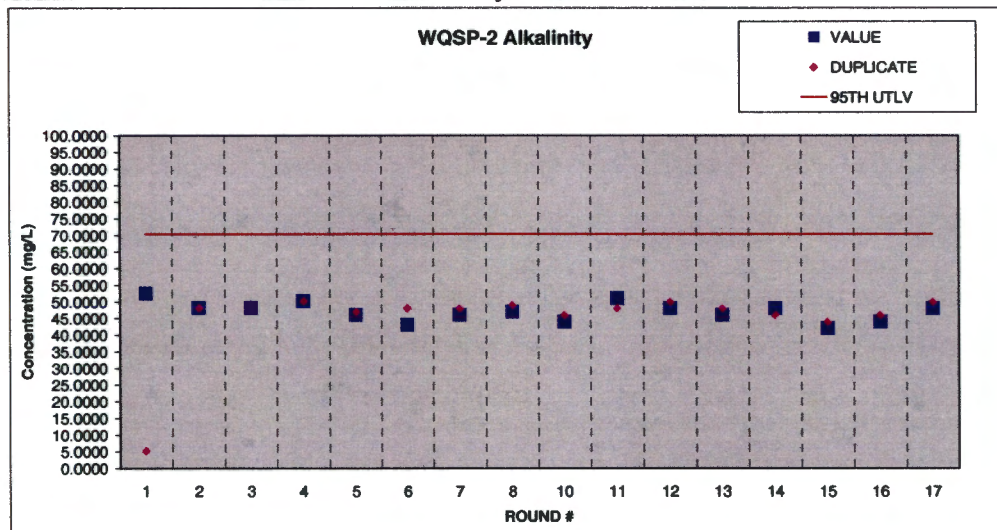


Total Organic Halogens at WQSP-2



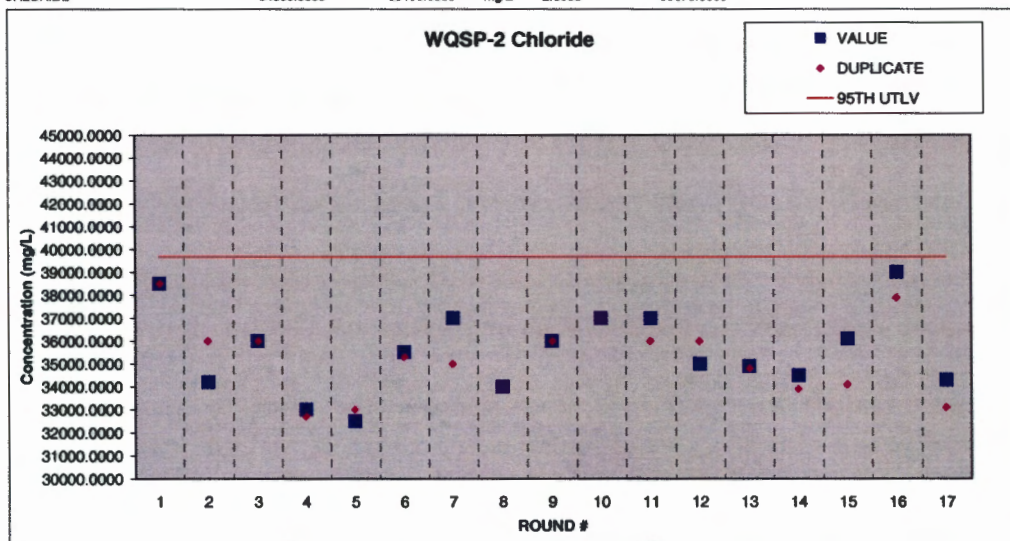
WQSP-2 Alkalinity

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	ALKALINITY	52.5000	5.2500	mg/L	5.0000	70.3000		< 5.0000	1	09/07/95	09/31/95
	ALKALINITY	48.1000	48.1000	mg/L	5.0000	70.3000	0.0000	< 5.0000	2	05/08/96	04/25/96
	ALKALINITY	48.1000	48.1000	mg/L	5.0000	70.3000	0.0000	< 5.0000	3	08/15/96	08/09/96
	ALKALINITY	50.1000	50.1000	mg/L	5.0000	70.3000		< 5.0000	4	05/14/97	05/08/97
	ALKALINITY	48.0000	47.0000	mg/L	5.0000	70.3000		< 5.0000	5	08/28/97	08/07/97
	ALKALINITY	43.0000	48.0000	mg/L	5.0000	70.3000			6	04/18/98	04/15/98
	ALKALINITY	48.0000	48.0000	mg/L	5.0000	70.3000		< 1.0000	7	08/18/98	08/12/98
	ALKALINITY	47.0000	49.0000	mg/L		70.3000			8	03/18/99	03/17/99
	ALKALINITY	44.0000	46.0000	mg/L		70.3000			10	03/17/00	03/15/00
	ALKALINITY	51.0000	48.0000	mg/L	6.0000	70.3000		< 6.0000	11	09/22/00	09/20/00
	ALKALINITY	48.0000	50.0000	mg/L	4.0000	70.3000			12	03/20/01	03/14/01
	ALKALINITY	46.0000	46.0000	mg/L	4.0000	70.3000			13	09/25/01	09/19/01
	ALKALINITY	48.0000	46.0000	mg/L	4.0000	70.3000			14	03/28/02	03/20/02
	ALKALINITY	42.0000	44.0000	mg/L	4.0000	70.3000			15	09/20/02	09/18/02
	ALKALINITY	44.0000	46.0000	mg/L	4.0000	70.3000			16	03/25/03	03/19/03
	ALKALINITY	48.0000	50.0000	mg/L	4.0000	70.3000			17	08/23/03	08/17/03



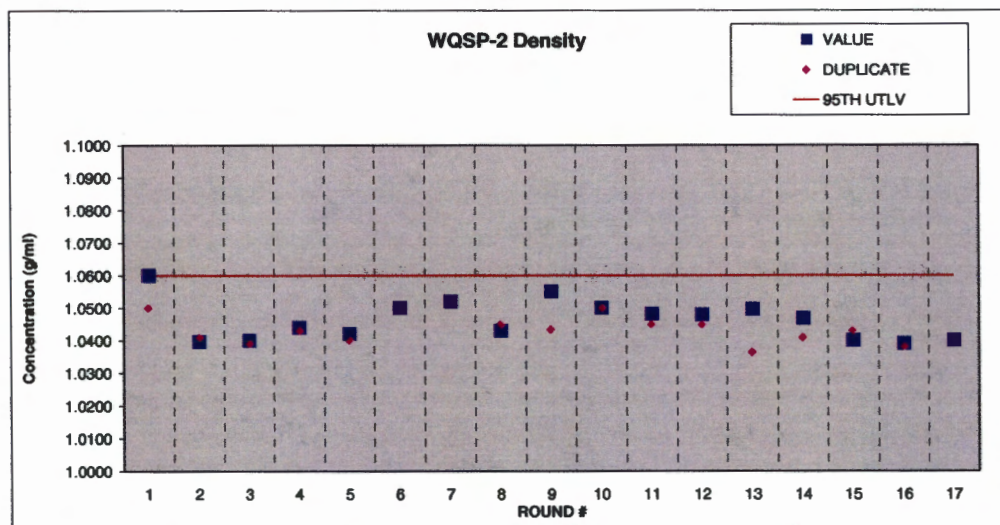
WQSP-2 Chloride

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	38500.0000	38500.0000	mg/L	5.0000	39670.0000		< 5.0000	1	09/08/95	08/31/95
7782-50-5	CHLORIDE	34200.0000	38000.0000	mg/L	2500.0000	39670.0000	0.0000	< 5.0000	2	05/01/96	04/25/96
7782-50-5	CHLORIDE	36000.0000	38000.0000	mg/L	2500.0000	39670.0000	0.0000	< 5.0000	3	08/20/96	08/08/96
7782-50-5	CHLORIDE	33000.0000	32700.0000	mg/L	2500.0000	39670.0000		< 5.0000	4	05/17/97	05/08/97
7782-50-5	CHLORIDE	32500.0000	33000.0000	mg/L	2500.0000	39670.0000		< 5.0000	5	08/29/97	08/07/97
7782-50-5	CHLORIDE	35500.0000	35300.0000	mg/L	0.2000	39670.0000		0.0290	6	04/18/98	04/15/98
7782-50-5	CHLORIDE	37000.0000	35000.0000	mg/L	2500.0000	39670.0000		1.7100	7	08/17/98	08/12/98
7782-50-5	CHLORIDE	34000.0000	34000.0000	mg/L	0.5000	39670.0000		< 0.5000	8	03/19/99	03/17/99
7782-50-5	CHLORIDE	38000.0000	38000.0000	mg/L	0.5000	39670.0000		< 0.5000	9	09/15/99	09/15/99
7782-50-5	CHLORIDE	37000.0000	37000.0000	mg/L	0.5000	39670.0000		< 0.5000	10	03/21/00	03/15/00
7782-50-5	CHLORIDE	37000.0000	36000.0000	mg/L	2.0000	39670.0000		< 0.5000	11	09/21/00	09/20/00
7782-50-5	CHLORIDE	35000.0000	38000.0000	mg/L	0.5000	39670.0000			12	03/19/01	03/14/01
7782-50-5	CHLORIDE	34800.0000	34800.0000	mg/L	2.0000	39670.0000			13	10/08/01	09/19/01
7782-50-5	CHLORIDE	34500.0000	33900.0000	mg/L	2.0000	39670.0000			14	03/28/02	03/20/02
7782-50-5	CHLORIDE	36100.0000	34100.0000	mg/L	2.0000	39670.0000			15	09/19/02	09/18/02
7782-50-5	CHLORIDE	39000.0000	37900.0000	mg/L	2.0000	39670.0000			16	03/20/03	03/19/03
7782-50-5	CHLORIDE	34300.0000	33100.0000	mg/L	2.0000	39670.0000			17	09/17/03	09/17/03

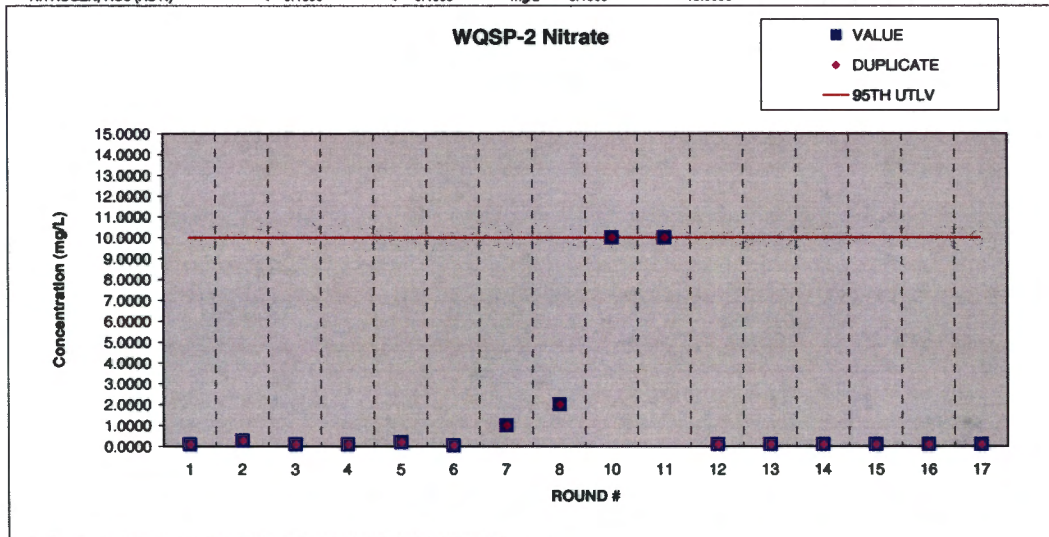


WQSP-2 Density

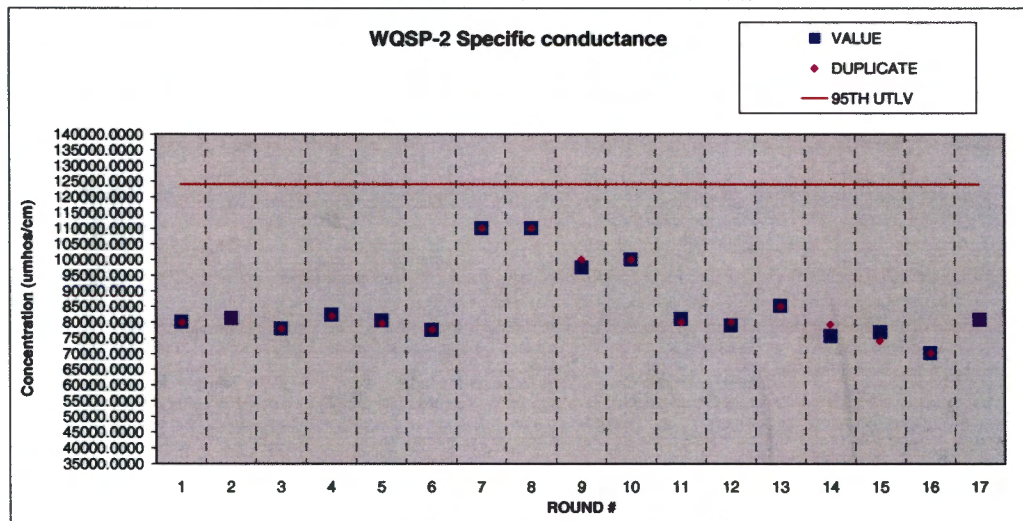
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	DENSITY	1.0800	1.0500	g/mL	N/A	1.0800			1	09/09/95	08/31/95
	DENSITY	1.0396	1.0410	g/mL	0.0000	1.0800	0.0000		2	05/08/96	04/25/96
	DENSITY	1.0400	1.0390	g/mL	0.0000	1.0800	0.0000		3	08/15/96	08/09/96
	DENSITY	1.0440	1.0430	g/mL	N/A	1.0800			4	08/09/97	05/08/97
	DENSITY	1.0420	1.0400	g/mL	N/A	1.0800			5	08/02/97	08/07/97
	DENSITY	1.0500	1.0500	g/mL	N/A	1.0800			6	05/12/98	04/15/98
	DENSITY	1.0520	1.0520	g/mL	N/A	1.0800		0.9670	7	08/28/98	08/12/98
	DENSITY	1.0430	1.0450	g/mL		1.0800		1.0210	8	03/19/99	03/17/99
	DENSITY	1.0550	1.0434	g/mL		1.0800		0.9834	9	09/18/99	09/15/99
	DENSITY	1.0500	1.0500	g/mL		1.0800			10	03/21/00	03/15/00
	DENSITY	1.0481	1.0450	g/mL	N/A	1.0800			11	09/27/00	09/20/00
	DENSITY	1.0479	1.0449	g/mL	N/A	1.0800			12	03/19/01	03/14/01
	DENSITY	1.0496	1.0394	g/mL	N/A	1.0800			13	09/27/01	09/19/01
	DENSITY	1.0467	1.0409	g/mL	N/A	1.0800			14	03/22/02	03/20/02
	DENSITY	1.0400	1.0430	g/mL	N/A	1.0800			15	08/18/02	09/18/02
	DENSITY	1.0390	1.0390	g/mL	N/A	1.0800			16	03/19/03	03/19/03
	DENSITY	1.0400	1.0400	g/mL	N/A	1.0800			17	09/17/03	09/17/03



WQSP-2 Nitrate											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	1	09/05/95	08/31/95
7727-37-9	NITROGEN, NO3 (AS N)	0.2700	0.2700	mg/L	0.1000	10.0000	0.0000	< 0.1000	2	05/09/96	04/25/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000	0.0000	< 0.1000	3	08/22/96	08/08/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	4	05/22/97	05/08/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.2000	< 0.2000	mg/L	0.2000	10.0000		< 0.1000	5	09/23/97	08/07/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0400	< 0.0400	mg/L	0.0450	10.0000		< 0.0040	6	04/16/98	04/15/98
7727-37-9	NITROGEN, NO3 (AS N)	< 1.0000	< 1.0000	mg/L	0.2000	10.0000			7	08/13/98	08/12/98
7727-37-9	NITROGEN, NO3 (AS N)	< 2.0000	< 2.0000	mg/L	0.2000	10.0000		< 0.2000	8	03/17/99	03/17/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	10	03/15/00	03/15/00
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	2.0000	10.0000		< 0.2000	11	09/21/00	09/20/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			12	04/02/01	03/14/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			13	09/19/01	09/19/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			14	03/26/02	03/20/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			15	09/19/02	09/18/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			16	03/19/03	03/19/03
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			17	09/18/03	09/17/03

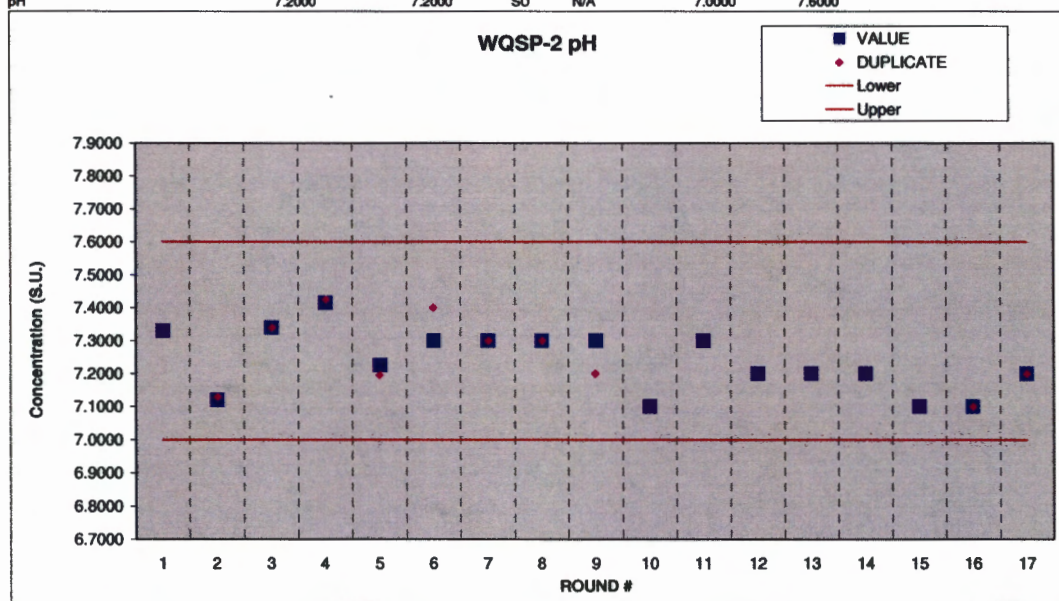


WQSP-2 Specific conductance											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	80100.0000	79900.0000	umhos/cm	1.0000	124000.0000			1	08/08/95	08/31/95
	SPECIFIC CONDUCTANCE	81200.0000	81300.0000	umhos/cm	1.0000	124000.0000			2	05/08/96	04/25/96
	SPECIFIC CONDUCTANCE	78000.0000	78000.0000	umhos/cm	3.0000	124000.0000			3	08/20/96	08/08/96
	SPECIFIC CONDUCTANCE	82400.0000	82000.0000	umhos/cm	3.0000	124000.0000			4	05/22/97	05/08/97
	SPECIFIC CONDUCTANCE	80500.0000	79650.0000	umhos/cm	3.0000	124000.0000			5	08/29/97	08/07/97
	SPECIFIC CONDUCTANCE	77600.0000	77700.0000	umhos/cm		124000.0000			6	05/13/98	4/15/98
	SPECIFIC CONDUCTANCE	110000.0000	110000.0000	umhos/cm	3.0000	124000.0000		5.8000	7	08/17/98	08/12/98
	SPECIFIC CONDUCTANCE	110000.0000	110000.0000	umhos/cm		124000.0000		6.8000	8	03/19/99	3/17/99
	SPECIFIC CONDUCTANCE	97428.0000	100004.0000	umhos/cm		124000.0000		3.8000	9	09/24/99	09/15/99
	SPECIFIC CONDUCTANCE	100000.0000	100000.0000	umhos/cm		124000.0000			10	03/17/00	03/15/00
	SPECIFIC CONDUCTANCE	81000.0000	80000.0000	umhos/cm		124000.0000		3.8000	11	09/21/00	09/20/00
	SPECIFIC CONDUCTANCE	79000.0000	80000.0000	umhos/cm		124000.0000			12	03/19/01	03/14/01
	SPECIFIC CONDUCTANCE	85200.0000	85000.0000	umhos/cm		124000.0000			13	10/04/01	09/19/01
	SPECIFIC CONDUCTANCE	75600.0000	79300.0000	umhos/cm		124000.0000			14	03/26/02	03/20/02
	SPECIFIC CONDUCTANCE	76870.0000	74080.0000	umhos/cm		124000.0000			15	09/23/02	09/18/02
	SPECIFIC CONDUCTANCE	70200.0000	70200.0000	umhos/cm		124000.0000			16	03/20/03	03/19/03
	SPECIFIC CONDUCTANCE	80800.0000	80900.0000	umhos/cm		124000.0000			17	09/22/03	09/17/03

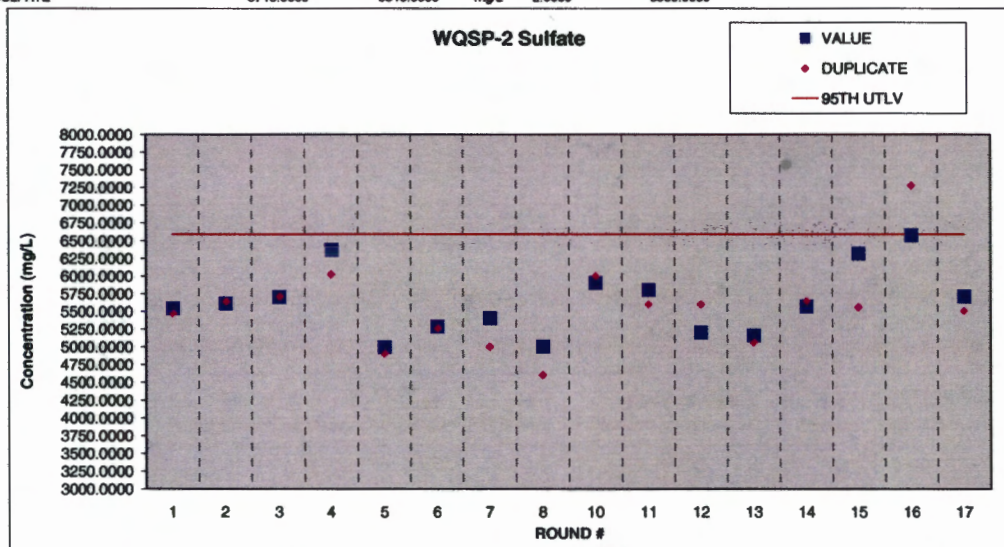


WQSP-2 pH

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	pH	7.3300	7.3300	SU	N/A	7.0000	7.6000			1	09/01/95	08/31/95
	pH	7.1200	7.1300	SU	0.0000	7.0000	7.6000			2	04/28/96	04/25/96
	pH	7.3400	7.3400	SU	0.0000	7.0000	7.6000			3	08/09/96	08/08/96
	pH	7.4150	7.4250	SU		7.0000	7.6000			4	05/09/97	05/08/97
	pH	7.2250	7.1950	SU	N/A	7.0000	7.6000			5	08/12/97	08/07/97
	pH	7.3000	7.4000	SU	N/A	7.0000	7.6000			6	04/16/98	04/15/98
	pH	7.3000	7.3000	SU	N/A	7.0000	7.6000			7	08/12/98	08/12/98
	pH	7.3000	7.3000	SU		7.0000	7.6000			8	03/19/99	03/17/99
	pH	7.3000	7.2000	SU		7.0000	7.6000			9	09/15/99	09/15/99
	pH	7.1000	7.1000	SU		7.0000	7.6000			10	03/15/00	03/15/00
	pH	7.3000	7.3000	SU	N/A	7.0000	7.6000			11	09/20/00	09/20/00
	pH	7.2000	7.2000	SU	N/A	7.0000	7.6000			12	03/14/01	03/14/01
	pH	7.2000	7.2000	SU	N/A	7.0000	7.6000			13	09/19/01	09/19/01
	pH	7.2000	7.2000	SU	N/A	7.0000	7.6000			14	03/20/02	03/20/02
	pH	7.1000	7.1000	SU	N/A	7.0000	7.6000			15	09/18/02	09/18/02
	pH	7.1000	7.1000	SU	N/A	7.0000	7.6000			16	03/19/03	03/19/03
	pH	7.2000	7.2000	SU	N/A	7.0000	7.6000			17	09/17/03	09/17/03

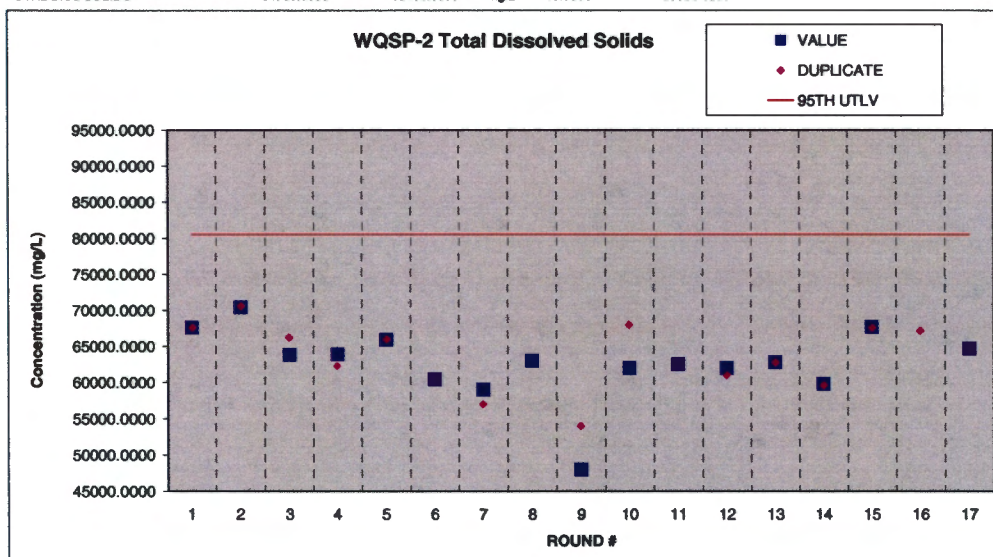


WQSP-2 Sulfate											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
-	-	-	-	-	-	-	-	-	-	-	-
	SULFATE	5540.0000	5470.0000	mg/L	10.0000	6590.0000	<	10.0000	1	09/09/95	08/31/95
	SULFATE	5610.0000	5640.0000	mg/L	2500.0000	6590.0000	<	10.0000	2	05/09/96	04/25/96
	SULFATE	5700.0000	5710.0000	mg/L	1000.0000	6590.0000	<	10.0000	3	08/21/96	08/09/96
	SULFATE	6380.0000	6020.0000	mg/L	2500.0000	6590.0000	<	10.0000	4	05/19/97	05/08/97
	SULFATE	4990.0000	4800.0000	mg/L	2500.0000	6590.0000	<	10.0000	5	09/03/97	08/07/97
	SULFATE	5280.0000	5280.0000	mg/L	0.2000	6590.0000	<	0.2000	6	04/16/98	04/15/98
	SULFATE	5400.0000	5000.0000	mg/L	2500.0000	6590.0000	<	0.5000	7	08/18/98	08/12/98
	SULFATE	5000.0000	4800.0000	mg/L	0.5000	6590.0000	<	0.5000	8	03/22/99	03/17/99
	SULFATE	5900.0000	6000.0000	mg/L	0.5000	6590.0000	<	0.5000	10	03/15/00	03/15/00
	SULFATE	5800.0000	5600.0000	mg/L	0.5000	6590.0000	<	0.5000	11	09/21/00	09/20/00
	SULFATE	5200.0000	5600.0000	mg/L	0.5000	6590.0000			12	03/19/01	03/14/01
	SULFATE	5180.0000	5080.0000	mg/L	2.0000	6590.0000			13	10/08/01	09/19/01
	SULFATE	5570.0000	5650.0000	mg/L	2.0000	6590.0000			14	03/26/02	03/20/02
	SULFATE	6310.0000	5560.0000	mg/L	2.0000	6590.0000			15	09/24/02	09/18/02
	SULFATE	6570.0000	7280.0000	mg/L	2.0000	6590.0000			16	03/20/03	03/19/03
	SULFATE	5710.0000	5510.0000	mg/L	2.0000	6590.0000			17	09/17/03	09/17/03



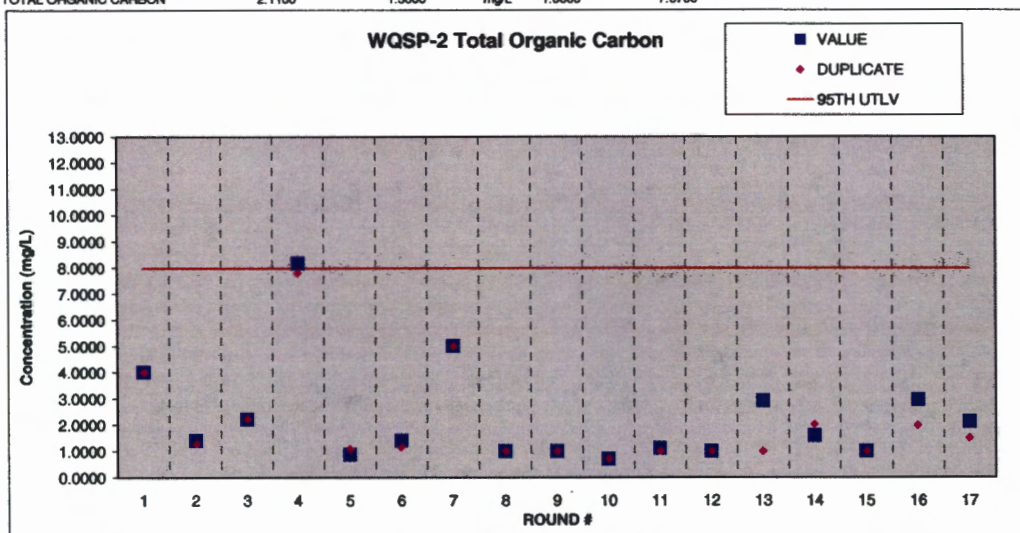
WQSP-2 Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	67800.0000	67800.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	1	08/05/96	08/31/96
	TOTAL DISS SOLIDS	70400.0000	70800.0000	mg/L	200.0000	80500.0000	< 10.0000	10.0000	2	04/30/96	04/25/96
	TOTAL DISS SOLIDS	63800.0000	66200.0000	mg/L	200.0000	80500.0000	< 10.0000	10.0000	3	08/15/96	08/09/96
	TOTAL DISS SOLIDS	63800.0000	62300.0000	mg/L	200.0000	80500.0000	< 10.0000	10.0000	4	05/14/97	05/08/97
	TOTAL DISS SOLIDS	65900.0000	66000.0000	mg/L	200.0000	80500.0000	< 10.0000	10.0000	5	08/28/97	08/07/97
	TOTAL DISS SOLIDS	60400.0000	60500.0000	mg/L	20.0000	80500.0000	< 10.0000	10.0000	6	04/22/98	04/15/98
	TOTAL DISS SOLIDS	58900.0000	57000.0000	mg/L	200.0000	80500.0000	< 10.0000	10.0000	7	08/18/98	08/12/98
	TOTAL DISS SOLIDS	63000.0000	38000.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	8	03/18/99	03/17/99
	TOTAL DISS SOLIDS	48000.0000	54000.0000	mg/L	10.0000	80500.0000	< 34.0000	10.0000	9	09/18/99	09/15/99
	TOTAL DISS SOLIDS	62000.0000	68000.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	10	08/16/99	09/15/99
	TOTAL DISS SOLIDS	62500.0000	62500.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	11	08/21/00	09/20/00
	TOTAL DISS SOLIDS	62000.0000	61000.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	12	03/18/01	03/14/01
	TOTAL DISS SOLIDS	62800.0000	62800.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	13	08/25/01	09/19/01
	TOTAL DISS SOLIDS	59800.0000	59800.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	14	03/25/02	03/20/02
	TOTAL DISS SOLIDS	67700.0000	67800.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	15	09/24/02	09/18/02
	TOTAL DISS SOLIDS	6620.0000	67200.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	16	03/28/03	03/19/03
	TOTAL DISS SOLIDS	64700.0000	65100.0000	mg/L	10.0000	80500.0000	< 10.0000	10.0000	17	08/23/03	08/17/03



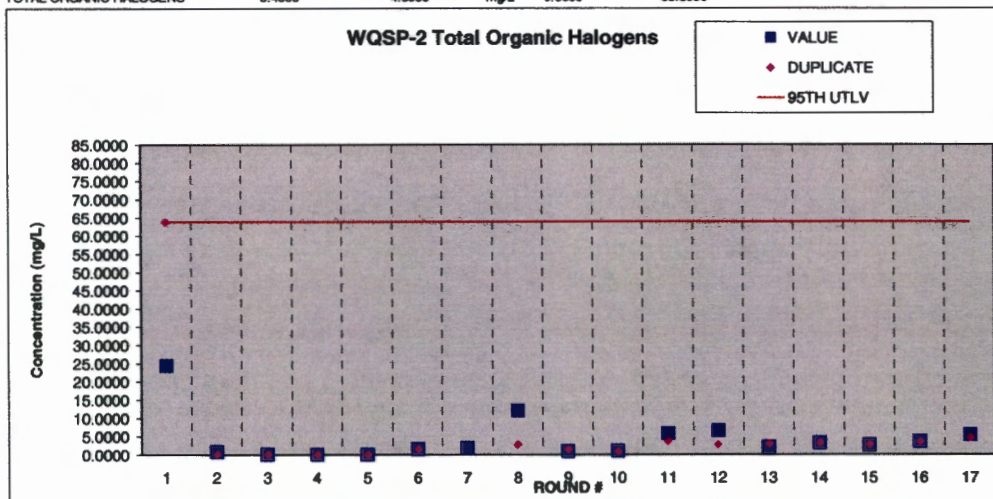
WQSP-2 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	< 4.0000	< 4.0000	mg/L	4.0000	7.9700		< 0.5000	1	09/22/95	08/31/95
	TOTAL ORGANIC CARBON	1.4000	1.2800	mg/L	0.5000	7.9700		< 0.5000	2	05/01/96	04/25/96
	TOTAL ORGANIC CARBON	2.2100	2.2300	mg/L	0.5000	7.9700		< 0.5000	3	08/29/96	08/08/96
	TOTAL ORGANIC CARBON	8.1550	7.7850	mg/L	0.5000	7.9700		< 0.5000	4	05/18/97	05/08/97
	TOTAL ORGANIC CARBON	0.8735	1.0800	mg/L	0.5000	7.9700		< 0.5000	5	08/13/97	08/07/97
	TOTAL ORGANIC CARBON	1.4000	1.1400	mg/L	0.2000	7.9700		< 0.1000	6	05/13/98	04/15/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	0.5000	7.9700		< 5.0000	7	09/19/98	08/12/98
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	7.9700		< 1.0000	8	03/31/99	03/17/99
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	7.9700		< 1.0000	9	10/03/99	09/15/99
	TOTAL ORGANIC CARBON	< 0.7000	< 0.7000	mg/L	0.7000	7.9700		< 1.0000	10	03/27/00	03/15/00
	TOTAL ORGANIC CARBON	1.1000	< 1.0000	mg/L	1.0000	7.9700		< 1.0000	11	09/29/00	09/20/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	7.9700			12	03/19/01	03/14/01
	TOTAL ORGANIC CARBON	2.9100	< 1.0000	mg/L	1.0000	7.9700			13	09/23/01	09/19/01
	TOTAL ORGANIC CARBON	1.5800	2.0200	mg/L	1.0000	7.9700			14	03/25/02	03/20/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	7.9700			15	09/23/02	09/18/02
	TOTAL ORGANIC CARBON	2.9500	1.9800	mg/L	1.0000	7.9700			16	04/03/03	03/19/03
	TOTAL ORGANIC CARBON	2.1100	1.5000	mg/L	1.0000	7.9700			17	09/23/03	09/17/03



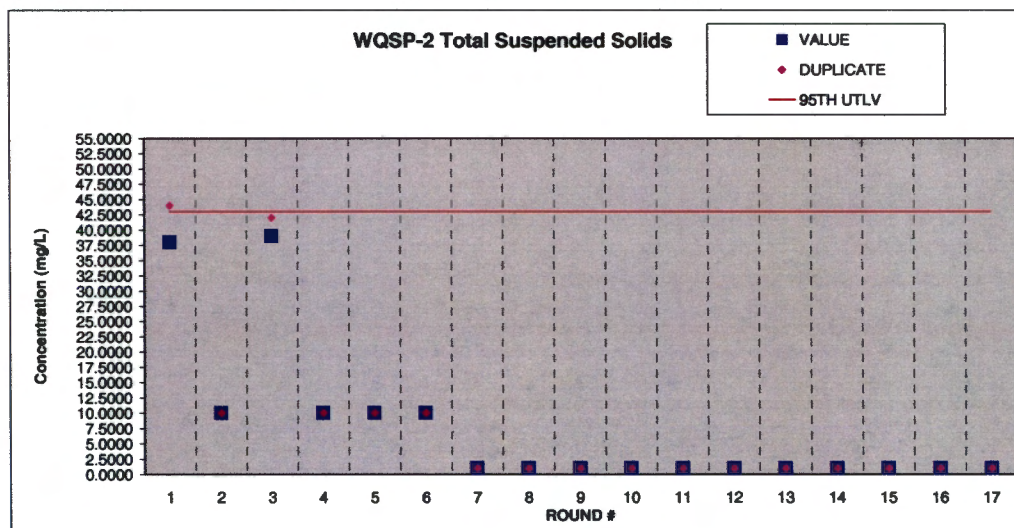
WQSP-2 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	24.4000	63.8000	mg/L	0.0100	63.8000	<	0.0100	1	10/03/95	08/31/95
	TOTAL ORGANIC HALOGENS	0.8370	0.0778	mg/L	0.0100	63.8000		0.0123	2	04/29/96	04/25/96
	TOTAL ORGANIC HALOGENS	0.0477	0.0472	mg/L	0.0100	63.8000		0.0131	3	08/23/96	08/08/96
	TOTAL ORGANIC HALOGENS	0.0373	0.0343	mg/L	0.0100	63.8000		0.0132	4	05/20/97	05/08/97
	TOTAL ORGANIC HALOGENS	0.0126	0.0134	mg/L	0.0100	63.8000		0.0148	5	08/20/97	08/07/97
	TOTAL ORGANIC HALOGENS	< 1.5000	< 1.5000	mg/L	10.0000	63.8000			6	04/21/98	04/15/98
	TOTAL ORGANIC HALOGENS	1.8000		mg/L	0.0100	63.8000			7	09/25/98	08/12/98
	TOTAL ORGANIC HALOGENS	12.0000	2.7000	mg/L		63.8000			8	04/01/99	03/17/99
	TOTAL ORGANIC HALOGENS	0.9000	1.4000	mg/L		63.8000			9	09/23/99	09/15/99
	TOTAL ORGANIC HALOGENS	0.9300	0.7800	mg/L		63.8000			10	03/29/00	03/15/00
	TOTAL ORGANIC HALOGENS	5.7000	3.8000	mg/L	0.0050	63.8000	<	0.0010	11	10/04/00	09/20/00
	TOTAL ORGANIC HALOGENS	6.5000	2.7000	mg/L	0.0050	63.8000			12	03/26/01	03/14/01
	TOTAL ORGANIC HALOGENS	2.0000	3.0000	mg/L	0.0050	63.8000			13	09/24/01	09/19/01
	TOTAL ORGANIC HALOGENS	3.2000	3.2000	mg/L	0.0050	63.8000			14	04/01/02	03/20/02
	TOTAL ORGANIC HALOGENS	2.6000	2.7000	mg/L	0.0050	63.8000			15	09/30/02	09/18/02
	TOTAL ORGANIC HALOGENS	3.5000	3.5000	mg/L	0.0050	63.8000			16	03/25/03	03/19/03
	TOTAL ORGANIC HALOGENS	5.4000	4.8000	mg/L	0.0050	63.8000			17	09/29/03	09/17/03



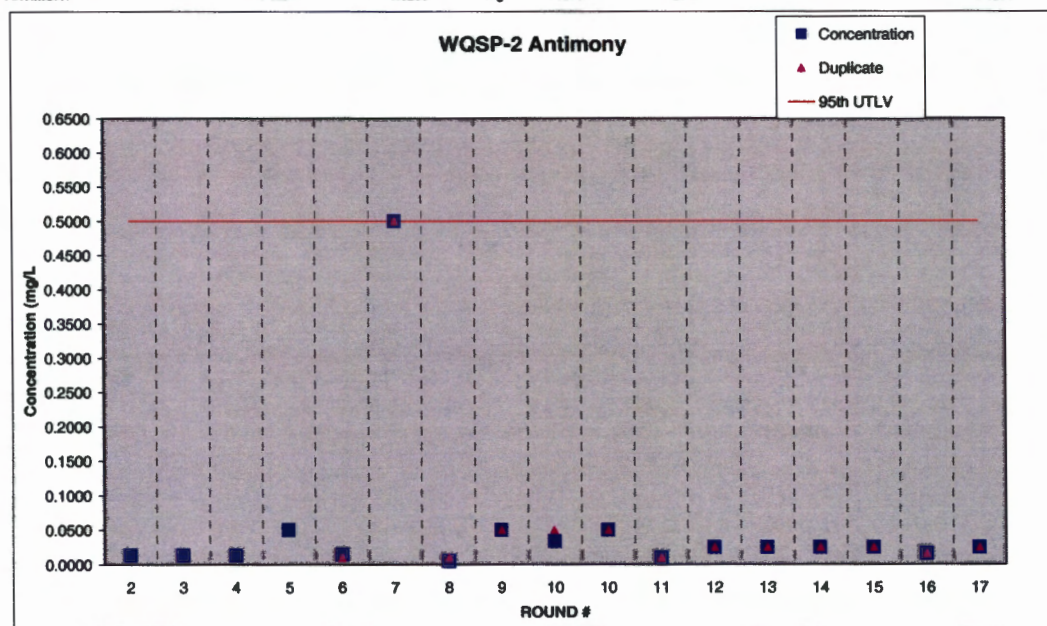
WQSP-2 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	38.0000	44.0000	mg/L	10.0000	43.0000		< 10.0000	1	09/07/95	08/31/95
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	43.0000		< 10.0000	2	04/29/96	04/25/96
	TOTAL SUSP SOLIDS	39.0000	42.0000	mg/L	10.0000	43.0000		< 10.0000	3	08/15/96	08/08/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	43.0000		< 10.0000	4	05/14/97	05/08/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	43.0000		< 10.0000	5	08/25/97	08/07/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	43.0000			6	04/22/98	04/15/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	10.0000	43.0000		< 1.0000	7	08/18/98	08/12/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000		< 1.0000	8	03/19/99	03/17/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000		< 1.0000	9	09/17/99	09/15/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000		< 1.0000	10	03/20/00	03/15/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000		< 1.0000	11	09/29/00	09/20/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			12	03/20/01	03/14/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			13	09/13/01	09/19/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			14	03/23/02	03/20/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			15	09/23/02	09/18/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			16	03/21/03	03/19/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	43.0000			17	09/17/03	09/17/03

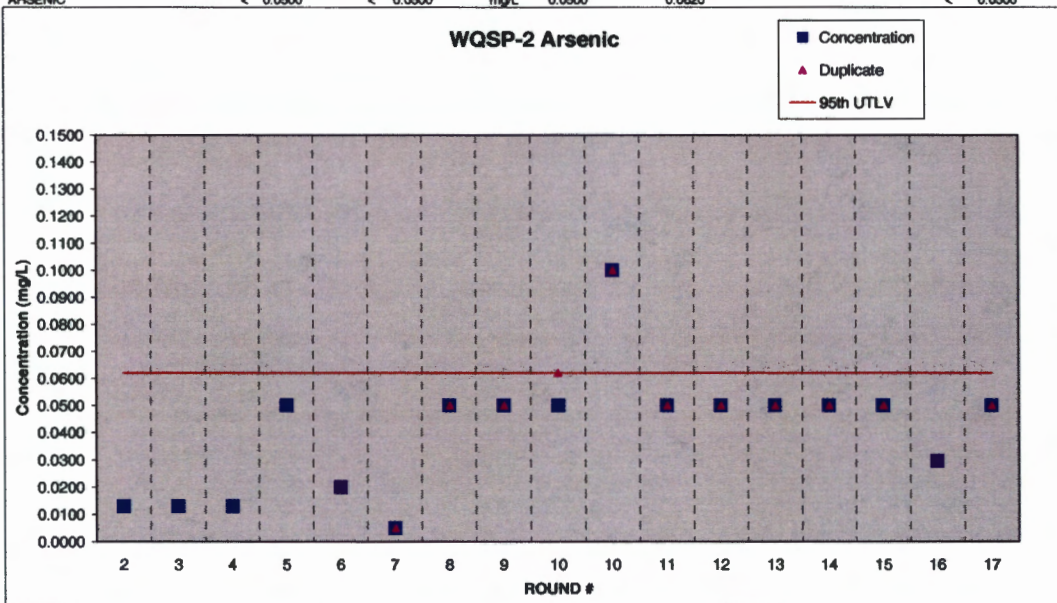


WQSP-2 Antimony

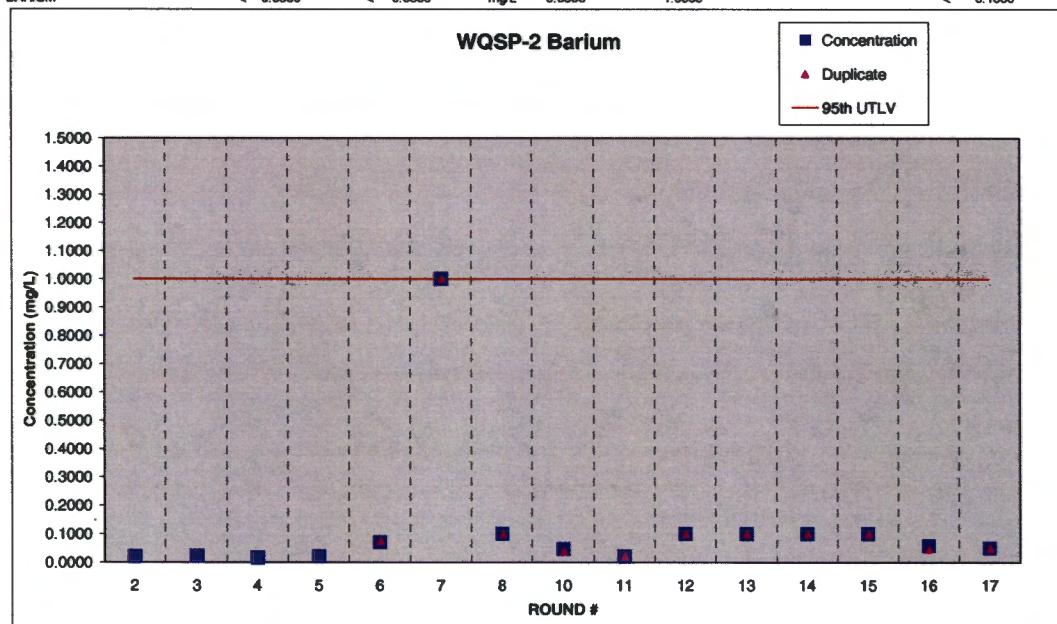
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.5000	< 0.0050	0.0000	2	05/14/98	04/25/98
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.5000	< 0.0050	0.0000	3	08/21/98	08/09/98
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	05/21/97	05/09/97
7440-36-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	08/15/97	08/07/97
7440-36-0	ANTIMONY	0.0145	0.0100	mg/L	0.0010	0.5000		< 0.0010	6	05/13/98	04/15/98
7440-36-0	ANTIMONY	< 0.5000	< 0.5000	mg/L	0.0500	0.5000	< 0.0050	< 0.5000	7	08/16/98	08/12/98
7440-36-0	ANTIMONY	< 0.0050	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	8	03/18/99	03/17/99
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	09/16/99	09/15/99
7440-36-0	ANTIMONY	0.0340	< 0.0500	mg/L	0.0500	0.5000			10	03/18/00	03/15/00
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.5000			10	08/19/00	08/19/00
7440-36-0	ANTIMONY	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	11	10/28/00	09/20/00
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	12	03/28/01	03/14/00
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0080	13	08/28/01	09/19/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	14	03/28/02	03/20/02
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	15	08/21/02	09/18/02
7440-36-0	ANTIMONY	< 0.0180	< 0.0180	mg/L	0.0180	0.5000		< 0.0250	16	04/30/03	03/19/03
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	17	10/07/03	09/17/03



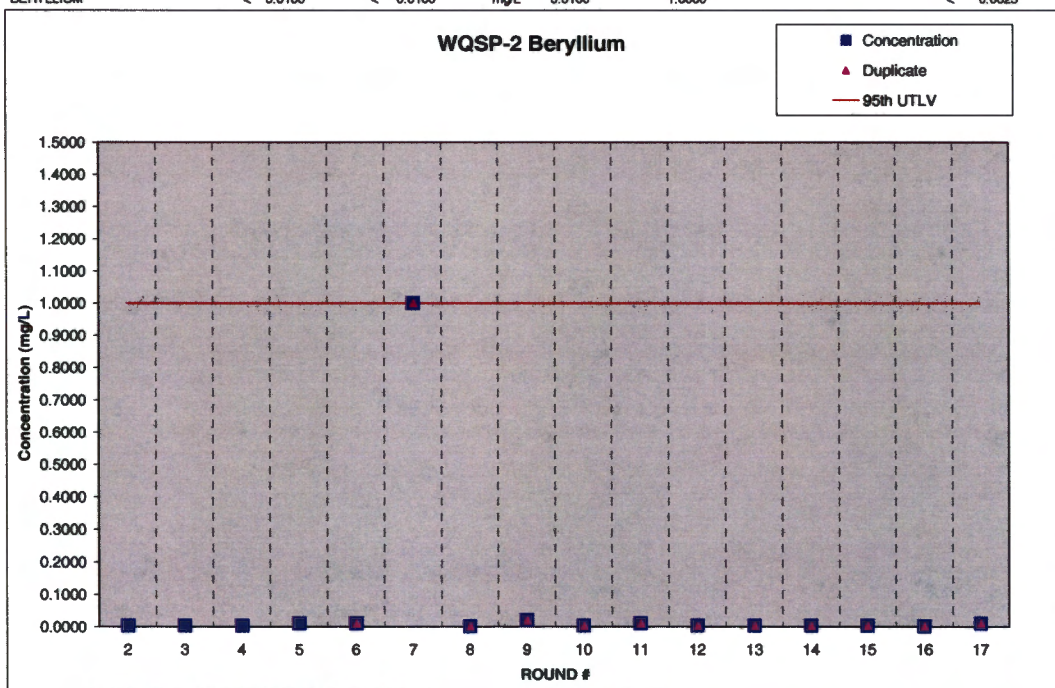
WQSP-2 Arsenic											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.0620	< 0.0050		2	05/14/96	04/25/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.0620	< 0.0050		3	08/21/96	06/06/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.0620	< 0.0050		4	05/21/97	05/08/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.0620	< 0.0050		5	08/15/97	08/07/97
7440-38-2	ARSENIC	< 0.0200	< 0.0200	mg/L	0.0100	0.0620		< 0.0100	6	04/30/98	04/15/98
7440-38-2	ARSENIC	< 0.0050	< 0.0050	mg/L	0.0500	0.0620	< 0.0050	< 0.0050	7	09/18/98	08/12/98
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	8	03/18/99	03/17/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	9	09/18/99	09/15/99
7440-38-2	ARSENIC	< 0.0500	0.0620	mg/L	0.0500	0.0620			10	03/18/00	03/15/00
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.0620			10	06/19/00	06/19/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	11	10/28/00	09/20/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	12	03/28/01	03/14/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		0.0040	13	09/28/01	09/19/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	14	03/28/02	03/20/02
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	15	09/21/02	09/18/02
7440-38-2	ARSENIC	< 0.0296	< 0.0296	mg/L	0.0296	0.0620		< 0.0500	16	04/30/03	03/19/03
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.0620		< 0.0500	17	10/07/03	08/17/03



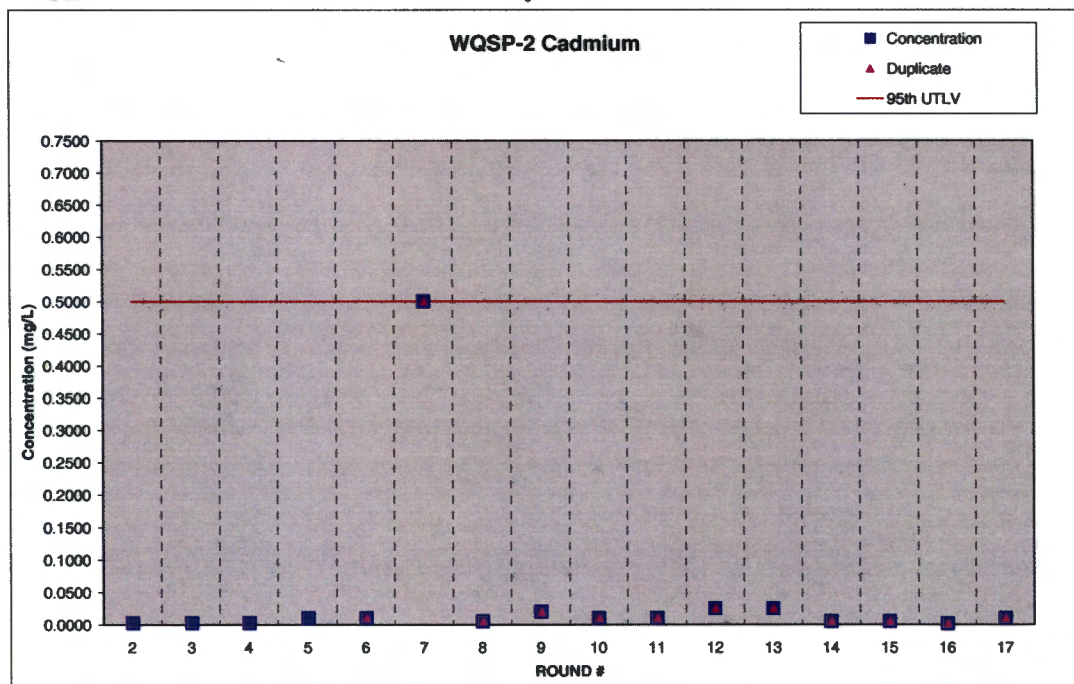
WQSP-2 Barium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIUM	0.0201		mg/L	0.0050	1.0000	< 0.0020		2	05/14/98	04/25/98
7440-39-3	BARIUM	0.0211		mg/L	0.0050	1.0000	< 0.0020		3	08/21/98	08/08/98
7440-39-3	BARIUM	0.0160		mg/L	0.0050	1.0000	< 0.0020		4	05/21/97	05/08/97
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		5	08/15/97	08/07/97
7440-39-3	BARIUM	0.0700	0.0750	mg/L	0.0040	1.0000		0.0080	6	05/05/98	04/15/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	0.0200	1.0000	< 0.0020	< 1.0000	7	09/16/98	08/12/98
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	8	03/18/99	03/19/99
7440-39-3	BARIUM	0.0470	0.0370	mg/L	0.2000	1.0000			10	03/18/00	03/15/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	11	10/28/00	09/20/00
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	12	03/28/01	03/14/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.0020	13	09/28/01	09/18/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	14	03/28/02	03/20/02
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	15	09/21/02	09/18/02
7440-39-3	BARIUM	0.0580	0.0480	mg/L	0.0200	1.0000		< 0.1000	16	04/30/03	03/19/03
7440-39-3	BARIUM	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.1000	17	10/07/03	09/17/03



WQSP-2 Beryllium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	1.0000	< 0.0010		2	05/14/98	04/25/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	1.0000	< 0.0010		3	08/21/98	06/08/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	1.0000	< 0.0010		4	05/21/97	05/06/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	1.0000	< 0.0010		5	08/15/97	08/07/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	1.0000		< 0.0010	6	05/05/98	04/15/98
7440-41-7	BERYLLIUM	< 1.0000	< 1.0000	mg/L	0.0100	1.0000	< 1.0000	< 0.1000	7	09/18/98	08/12/98
7440-41-7	BERYLLIUM	< 0.0010	< 0.0010	mg/L	0.0010	1.0000		< 0.0010	8	03/18/99	03/17/99
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	9	09/18/99	09/15/99
7440-41-7	BERYLLIUM	0.0030	0.0030	mg/L	0.0050	1.0000			10	03/18/00	03/15/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	1.0000		< 0.0100	11	10/29/00	09/20/00
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	1.0000		< 0.0030	12	03/29/01	03/14/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	1.0000		< 0.0030	13	09/29/01	09/19/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	1.0000		< 0.0025	14	03/29/02	03/20/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	1.0000		< 0.0025	15	09/21/02	09/18/02
7440-41-7	BERYLLIUM	< 0.0007	< 0.0007	mg/L	0.0007	1.0000		< 0.0025	16	04/30/03	03/19/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	1.0000		< 0.0025	17	10/07/03	09/17/03

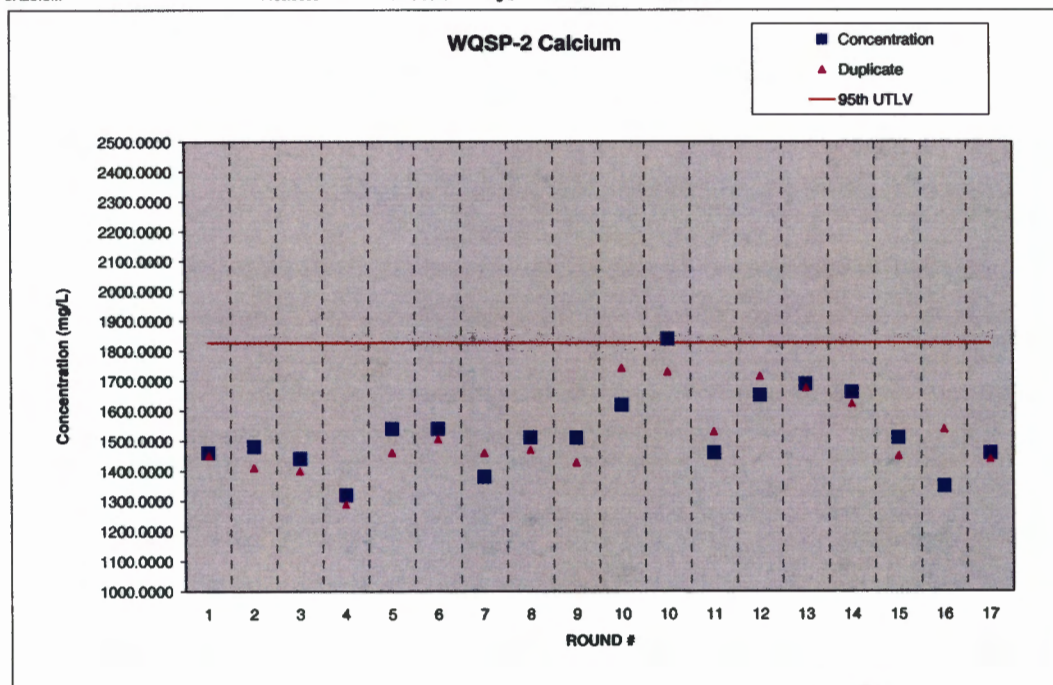


CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	WQSP-2 Cadmium		ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
					MINIMUM DETECTION LIMIT	95th UTLV					
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		2	05/14/96	04/25/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		3	06/21/96	06/08/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		4	05/21/97	05/08/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.5000	< 0.0010		5	08/15/97	08/07/97
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	6	05/13/98	04/15/98
7440-43-9	CADMIUM	< 0.5000	< 0.5000	mg/L	0.0100	0.5000	< 0.0010	< 0.5000	7	08/16/98	06/12/98
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	8	03/18/99	03/17/99
7440-43-9	CADMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	9	09/16/99	06/15/99
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000			10	03/16/00	03/15/00
7440-49-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	11	10/29/00	09/20/00
7440-49-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	12	03/28/01	03/14/01
7440-49-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		0.0000	13	06/26/01	06/19/01
7440-49-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	14	03/28/02	03/20/02
7440-49-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	15	06/21/02	06/18/02
7440-49-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.5000		< 0.0050	16	04/30/03	03/19/03
7440-49-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0050	17	10/07/03	09/17/03

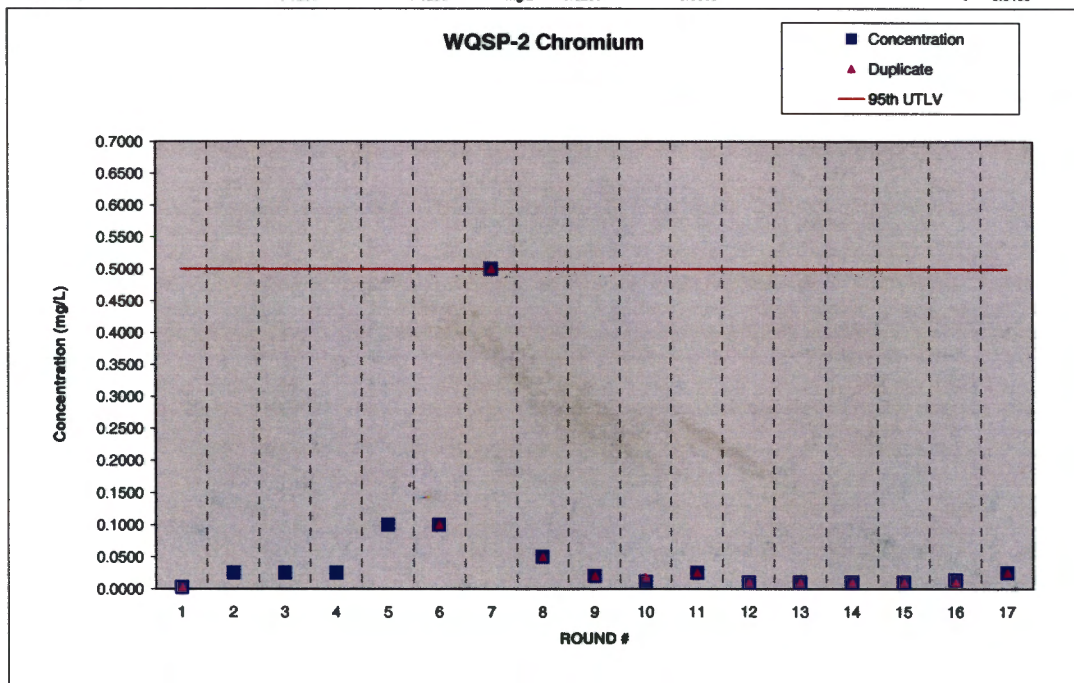


WQSP-2 Calcium

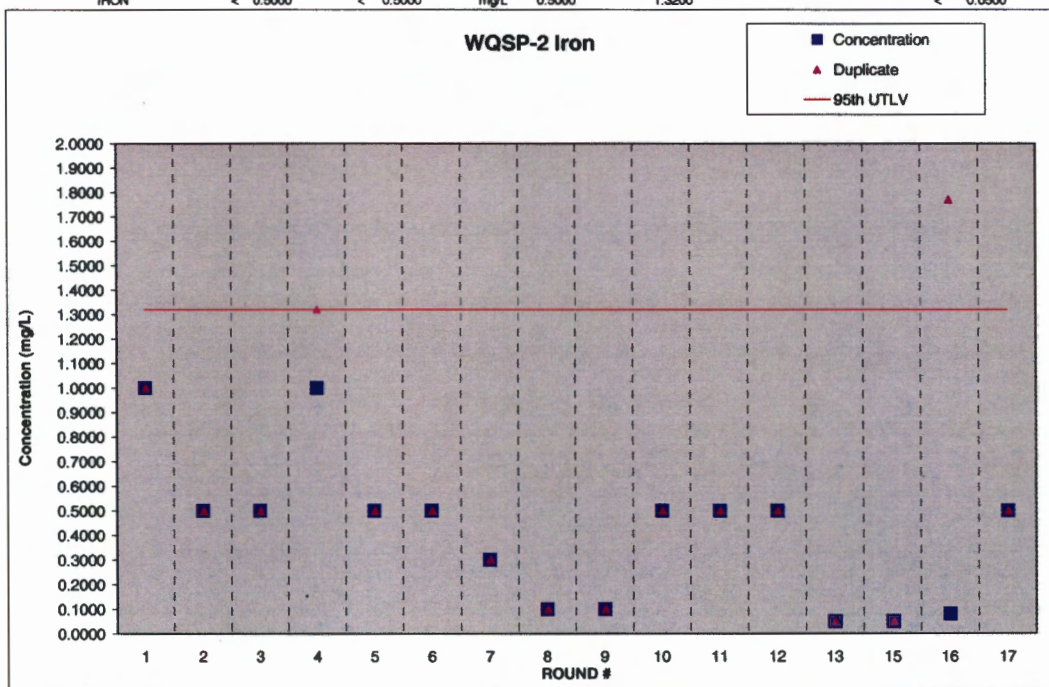
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	1480.0000	1450.0000	mg/L	2.0000	1827.0000		< 0.2000	1	09/12/95	08/31/95
7440-70-2	CALCIUM	1480.0000	1410.0000	mg/L	2.0000	1827.0000	< 0.2000	< 0.2000	2	05/10/96	04/25/96
7440-70-2	CALCIUM	1440.0000	1400.0000	mg/L	2.0000	1827.0000	< 0.2000	< 0.2000	3	08/21/96	08/09/96
7440-70-2	CALCIUM	1320.0000	1280.0000	mg/L	2.0000	1827.0000	< 0.2000	< 0.2000	4	05/21/97	05/08/97
7440-70-2	CALCIUM	1540.0000	1480.0000	mg/L	2.0000	1827.0000	< 0.2000	< 0.2000	5	08/15/97	08/07/97
7440-70-2	CALCIUM	1540.0000	1505.0000	mg/L	12.0000	1827.0000		< 12.0000	6	05/05/98	04/15/98
7440-70-2	CALCIUM	1380.0000	1480.0000	mg/L	2.0000	1827.0000	< 0.2000	< 5.0000	7	09/18/98	08/12/98
7440-70-2	CALCIUM	1510.0000	1470.0000	mg/L	0.5000	1827.0000		< 0.5000	8	03/19/99	03/17/99
7440-70-2	CALCIUM	1508.0000	1428.0000	mg/L	0.5000	1827.0000		< 0.5000	9	09/16/99	09/15/99
7440-70-2	CALCIUM	1619.0000	1742.0000	mg/L	5.0000	1827.0000			10	03/18/00	03/15/00
7440-70-2	CALCIUM	1840.0000	1730.0000	mg/L	5.0000	1827.0000			10	08/18/00	08/18/00
7440-70-2	CALCIUM	1480.0000	1530.0000	mg/L	1.0000	1827.0000		< 1.0000	11	10/28/00	09/20/00
7440-70-2	CALCIUM	1651.0000	1715.0000	mg/L	0.5000	1827.0000		< 0.5000	12	05/10/01	03/14/01
7440-70-2	CALCIUM	1688.0000	1676.0000	mg/L	0.2000	1827.0000			13	11/09/01	09/18/01
7440-70-2	CALCIUM	1682.0000	1624.0000	mg/L	0.5000	1827.0000		< 0.5000	14	03/25/02	03/20/02
7440-70-2	CALCIUM	1510.0000	1450.0000	mg/L	0.5000	1827.0000			15	10/01/02	09/18/02
7440-70-2	CALCIUM	1350.0000	1540.0000	mg/L	0.5000	1827.0000			16	04/28/03	03/19/03
7440-70-2	CALCIUM	1460.0000	1440.0000	mg/L	0.5000	1827.0000			17	09/28/03	09/17/03



CAS #	PARAMETER	Concentration	VALUE Duplicate	WQSP-2 Chromium			ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
				UNITS	MINIMUM DETECTION LIMIT	95th UTLV					
7440-47-3	CHROMIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.5000		< 0.0025	1	09/13/95	08/17/95
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		2	11/19/96	11/07/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	07/30/96	07/25/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		4	05/02/97	04/24/97
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	08/15/97	07/24/97
7440-47-3	CHROMIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0100	6	03/19/98	03/05/98
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.0500	7	08/17/98	07/15/98
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	03/09/99	03/03/99
7440-47-3	CHROMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	9	09/19/99	09/01/99
7440-47-3	CHROMIUM	0.0110	0.0180	mg/L	0.0100	0.5000			10	03/19/00	03/15/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	11	10/28/00	09/20/00
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	12	03/28/01	03/14/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		0.0000	13	09/28/01	09/19/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	14	03/28/02	03/20/02
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	15	09/21/02	09/19/02
7440-47-3	CHROMIUM	0.0140	0.0100	mg/L	0.0250	0.5000		< 0.0100	16	04/30/03	03/19/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0100	17	10/07/03	09/17/03

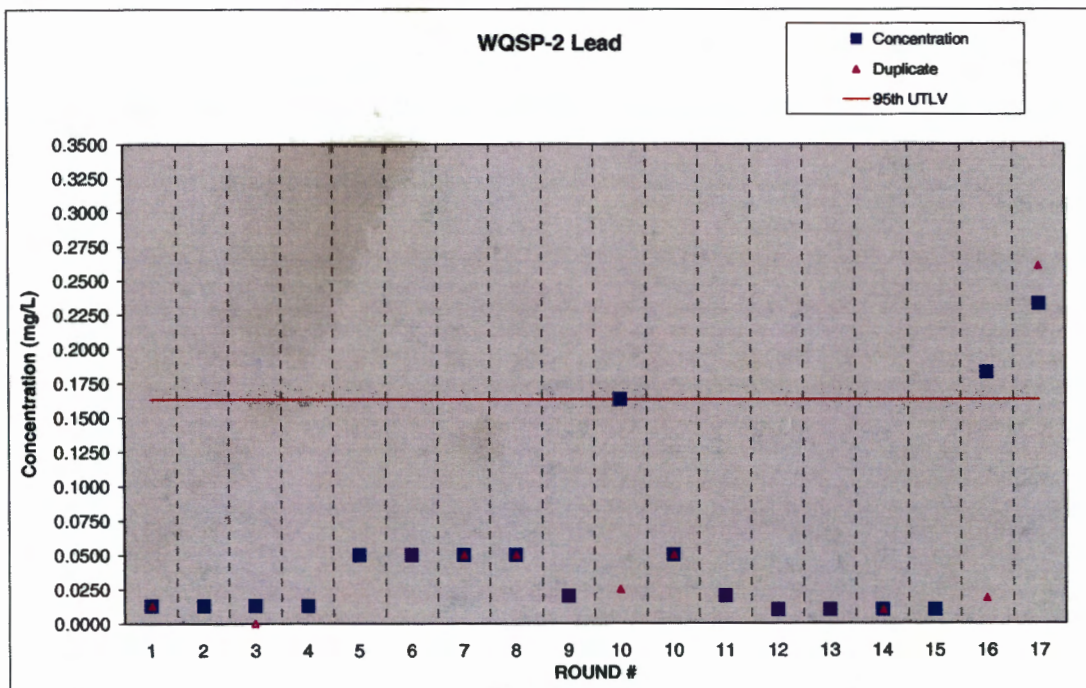


WQSP-2 Iron											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	1.3200		< 0.5000	1	08/28/95	08/17/95
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	2	05/07/96	04/11/96
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	3	07/30/96	07/25/96
7439-89-6	IRON	< 1.0000	1.3200	mg/L	1.0000	1.3200	< 0.1000	< 0.1000	4	05/02/97	04/24/97
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200	< 0.0500	< 0.0500	5	08/15/97	07/24/97
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.0500	6	03/19/98	03/05/98
7439-89-6	IRON	< 0.3000	0.3000	mg/L	0.3000	1.3200		< 0.3000	7	08/17/98	07/15/98
7439-89-6	IRON	< 0.1000	< 0.1000	mg/L	0.1000	1.3200		< 0.1000	8	03/09/99	03/03/99
7439-89-6	IRON	< 0.1000	< 0.1000	mg/L	0.1000	1.3200		< 0.1000	9	09/16/99	08/01/99
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.5000	10	03/18/00	03/15/00
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.5000	11	10/29/00	09/20/00
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.5000	12	03/28/01	03/14/01
7439-89-6	IRON	< 0.0500	< 0.0500	mg/L	0.0500	1.3200		0.0080	13	08/29/01	08/19/01
7439-89-6	IRON	< 0.0500	< 0.0500	mg/L	0.0500	1.3200		< 0.0500	15	09/21/02	09/18/02
7439-89-6	IRON	0.0800	1.7700	mg/L	0.5000	1.3200		< 0.0500	16	04/30/03	03/19/03
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.3200		< 0.0500	17	10/07/03	09/17/03



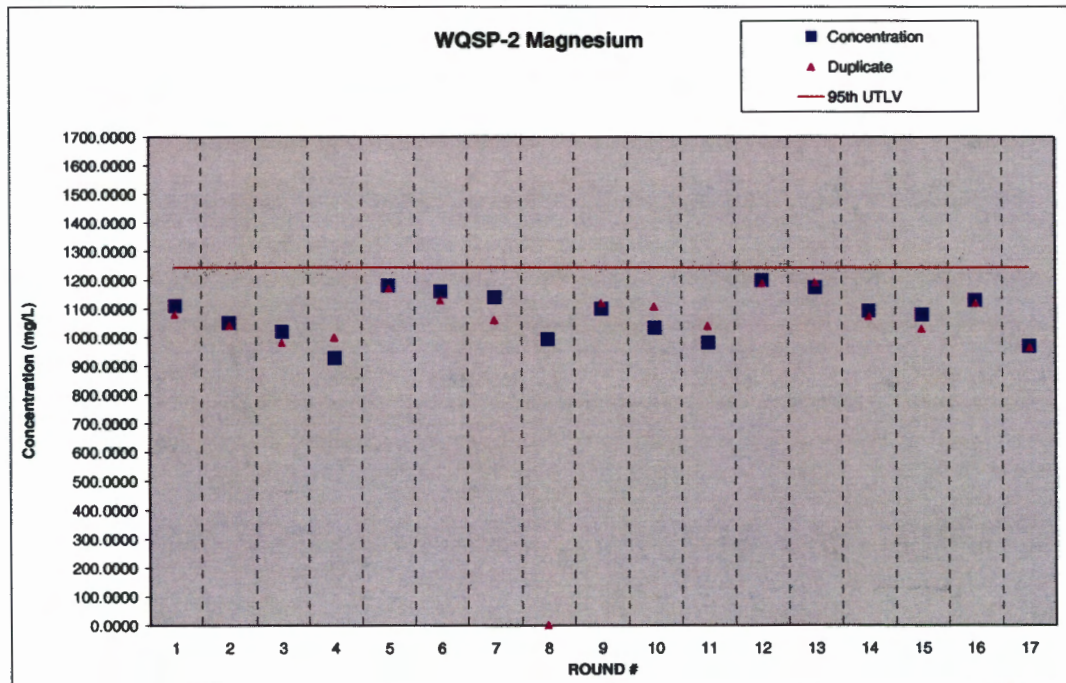
WQSP-2 Lead

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0130	< 0.0130	mg/L	0.0130	0.1630		< 0.0130	1	09/13/95	09/17/95
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1630	< 0.0050		2	11/19/96	11/07/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1630	< 0.0050		3	07/30/96	07/25/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1630	< 0.0050		4	05/02/97	04/24/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.1630	< 0.0050		5	08/15/97	07/24/97
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1630		< 0.0050	6	03/19/98	03/05/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1630		< 0.0500	7	09/17/98	07/15/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1630		< 0.0500	8	03/08/99	03/03/99
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.1630		< 0.0200	9	09/18/99	09/01/99
7439-92-1	LEAD	0.1630	0.0250	mg/L	0.0030	0.1630			10	03/16/00	03/15/00
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1630			10	08/19/00	08/19/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.1630	< 0.0200		11	10/28/00	09/20/00
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1630	< 0.0100		12	08/28/01	03/14/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1630	< 0.0000		13	09/28/01	09/19/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1630	< 0.0100		14	03/28/01	03/20/02
7439-92-1	LEAD	< 0.0100	< 1.0000	mg/L	0.0100	0.1630	< 0.0100		15	10/02/02	09/18/02
7439-92-1	LEAD	0.1630	< 0.0184	mg/L	0.0200	0.1630	< 0.0100		16	04/30/03	03/19/03
7439-92-1	LEAD	0.2330	0.2610	mg/L	0.0500	0.1630	< 0.0500		17	10/07/03	09/17/03

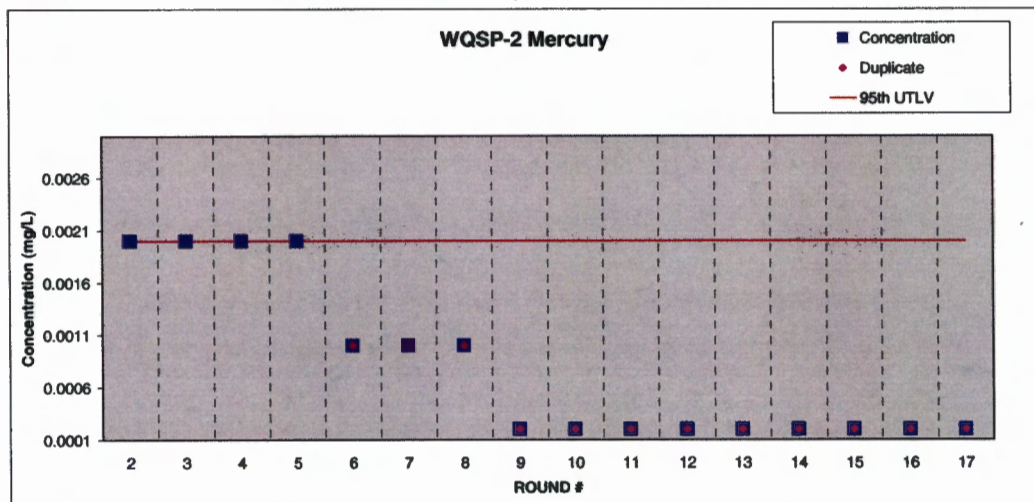


WQSP-2 Magnesium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-95-4	MAGNESIUM	1110.0000	1080.0000	mg/L	1.0000	1244.0000		< 0.1000	1	08/28/95	08/17/95
7439-95-4	MAGNESIUM	1050.0000	1040.0000	mg/L	0.5000	1244.0000	< 0.0500	< 0.0500	2	05/07/96	04/11/96
7439-95-4	MAGNESIUM	1020.0000	982.0000	mg/L	0.5000	1244.0000	< 0.0500	< 0.0500	3	07/30/96	07/25/96
7439-95-4	MAGNESIUM	928.0000	1000.0000	mg/L	1.0000	1244.0000	< 0.1000	< 0.1000	4	05/02/97	04/24/97
7439-95-4	MAGNESIUM	1180.0000	1170.0000	mg/L	0.5000	1244.0000	< 0.0500	< 0.0500	5	08/15/97	07/24/97
7439-95-4	MAGNESIUM	1180.0000	1130.0000	mg/L	0.5000	1244.0000		< 0.0500	6	03/19/98	03/05/98
7439-95-4	MAGNESIUM	1140.0000	1080.0000	mg/L	0.5000	1244.0000		< 0.5000	7	08/17/98	07/15/98
7439-95-4	MAGNESIUM	983.0000	< 1.0000	mg/L	0.5000	1244.0000		< 0.5000	8	03/15/99	03/03/99
7439-95-4	MAGNESIUM	1100.0000	1120.0000	mg/L	0.5000	1244.0000		< 0.5000	9	09/18/99	09/01/99
7439-95-4	MAGNESIUM	1033.0000	1107.0000	mg/L	5.0000	1244.0000			10	03/16/00	03/15/00
7439-95-4	MAGNESIUM	982.0000	1040.0000	mg/L	1.0000	1244.0000		< 1.0000	11	10/28/00	09/20/00
7439-95-4	MAGNESIUM	1189.0000	1188.0000	mg/L	0.5000	1244.0000		< 0.5000	12	05/10/01	03/14/01
7439-95-4	MAGNESIUM	1175.0000	1183.0000	mg/L	0.2000	1244.0000			13	11/09/01	09/19/01
7439-95-4	MAGNESIUM	1093.0000	1074.0000	mg/L	0.5000	1244.0000		< 0.5000	14	03/25/02	03/20/02
7439-95-4	MAGNESIUM	1080.0000	1030.0000	mg/L	0.5000	1244.0000			15	10/01/02	09/18/02
7439-95-4	MAGNESIUM	1130.0000	1120.0000	mg/L	0.5000	1244.0000			16	04/28/03	03/19/03
7439-95-4	MAGNESIUM	970.0000	985.0000	mg/L	0.5000	1244.0000			17	09/28/03	09/17/03

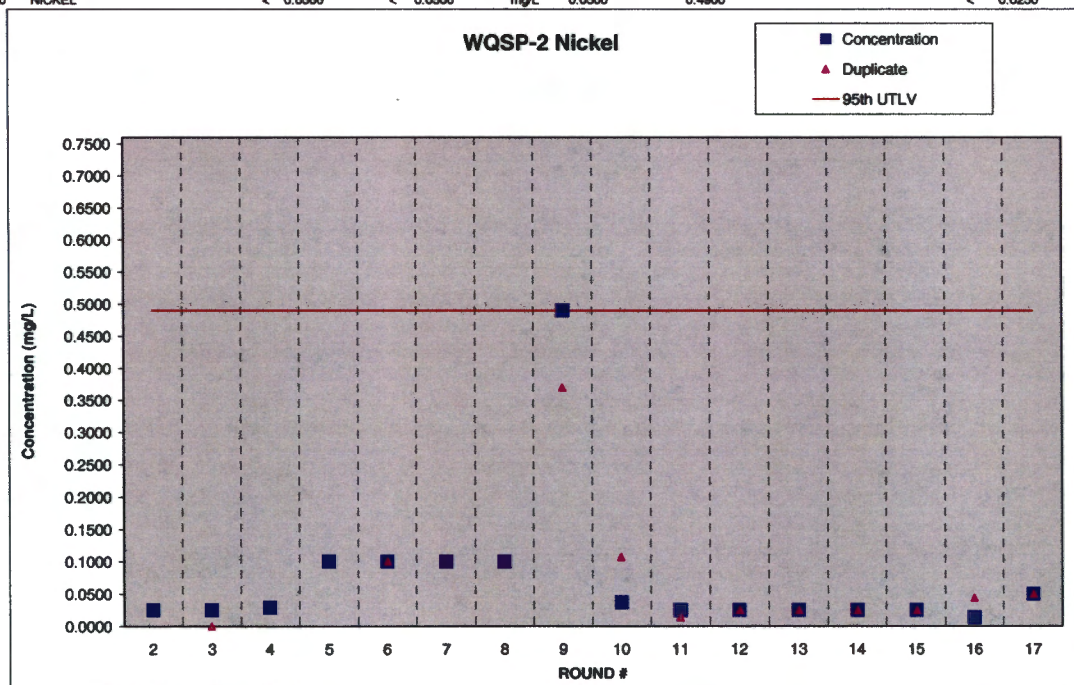


WQSP-2 Mercury											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		2	04/30/96	04/25/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		3	08/13/96	08/08/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		4	05/12/97	05/08/97
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		5	08/15/97	08/07/97
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0001	0.0020		< 0.0001	6	04/30/98	04/15/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0020	0.0020	< 0.0020	< 0.0010	7	08/13/98	08/12/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020		< 0.0010	8	03/18/99	03/17/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	9	09/16/99	09/15/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	10	03/16/00	03/02/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	11	09/26/00	09/20/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	12	03/21/01	03/14/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	13	09/22/01	09/19/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	14	03/25/02	03/20/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	15	09/27/02	09/18/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	16	03/26/03	03/19/03
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			17	09/25/03	09/17/03



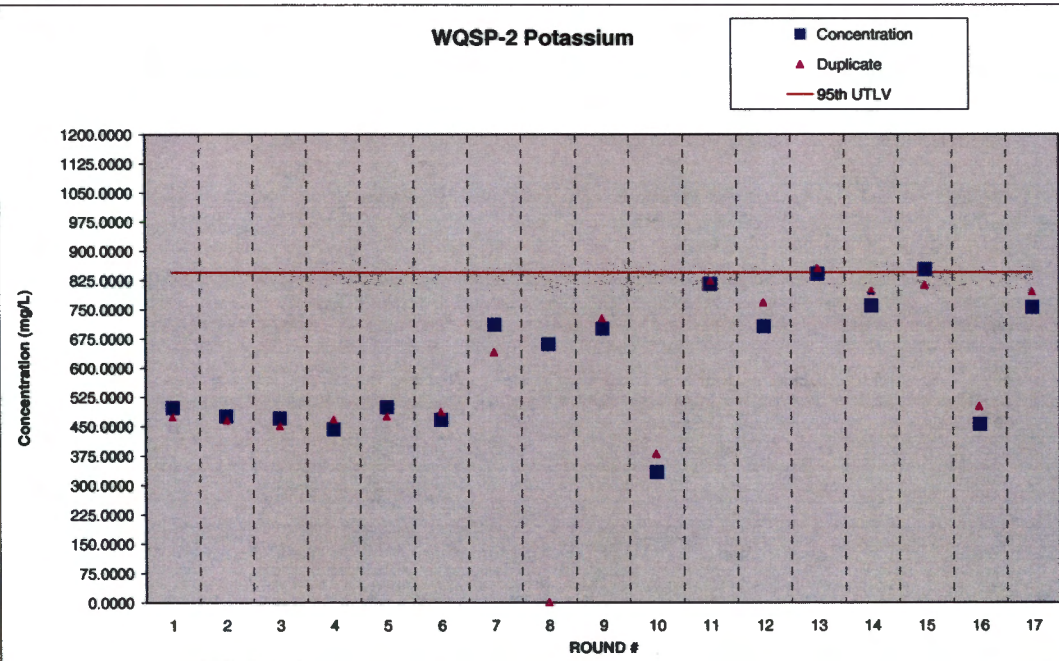
WQSP-2 Nickel

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.4800	< 0.0100		2	11/19/96	11/07/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.4800	< 0.0100		3	07/30/96	07/25/96
7440-02-0	NICKEL	0.0280		mg/L	0.0250	0.4800	< 0.0100		4	05/02/97	04/24/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.4800	< 0.0100		5	08/15/97	07/24/97
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4800		< 0.0100	6	03/19/98	03/05/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4800		< 0.1000	7	08/17/98	07/15/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.4800		< 0.1000	8	03/08/99	03/03/99
7440-02-0	NICKEL	0.4800	0.3700	mg/L	0.0500	0.4800		< 0.0500	9	09/19/99	09/01/99
7440-02-0	NICKEL	0.0370	0.1070	mg/L	0.0010	0.4800			10	03/16/00	03/15/00
7440-02-0	NICKEL	< 0.0250	0.0140	mg/L	0.0250	0.4800		< 0.0250	11	10/29/00	09/20/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4800		< 0.0250	12	03/29/01	03/14/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4800		< 0.0010	13	09/29/01	09/19/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4800		< 0.0250	14	03/29/02	03/20/02
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.4800		< 0.0250	15	09/21/02	09/18/02
7440-02-0	NICKEL	< 0.0135	0.0440	mg/L	0.0250	0.4800		< 0.0250	16	04/30/03	03/19/03
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	0.4800		< 0.0250	17	10/07/03	09/17/03

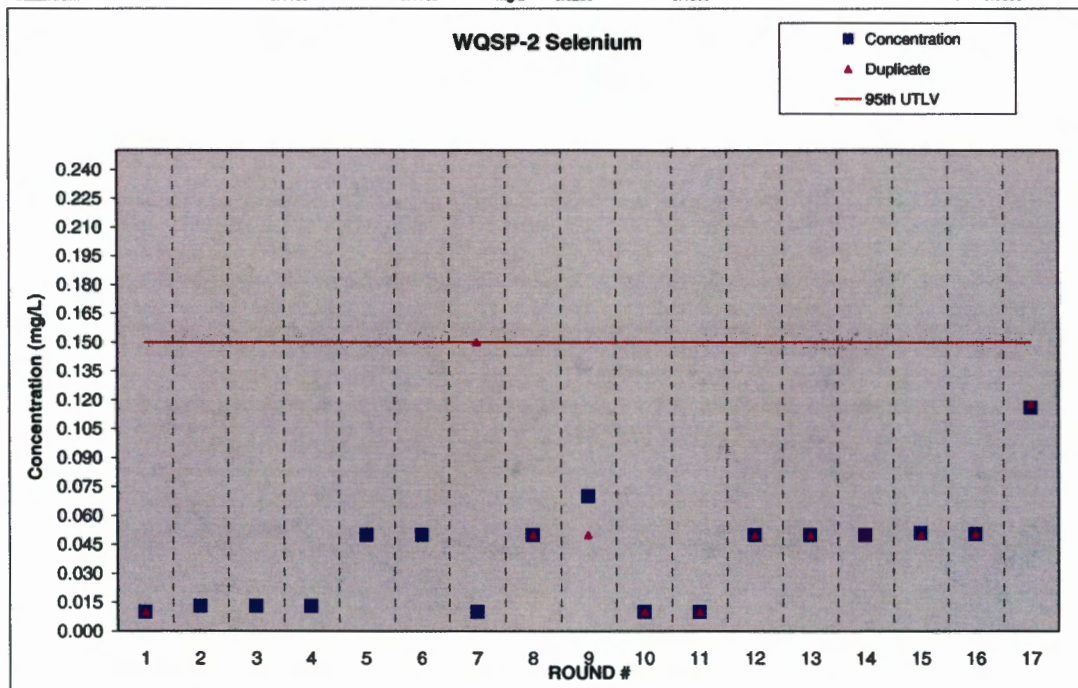


WQSP-2 Potassium

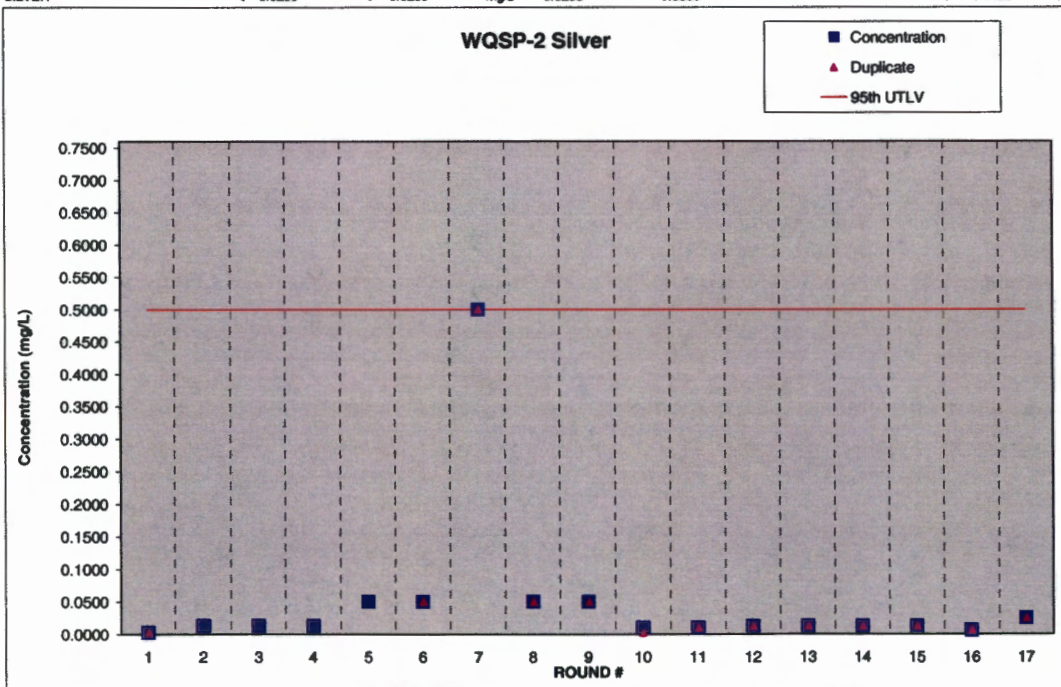
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-09-7	POTASSIUM	497.0000	474.0000	mg/L	0.2000	845.0000		< 0.2000	1	08/29/95	08/17/95
7440-09-7	POTASSIUM	476.0000	465.0000	mg/L	10.0000	845.0000	< 0.2000	< 0.2000	2	04/25/96	04/11/96
7440-09-7	POTASSIUM	471.0000	451.0000	mg/L	2.0000	845.0000	< 0.2000	< 0.2000	3	07/30/96	07/25/96
7440-09-7	POTASSIUM	443.0000	468.0000	mg/L	2.0000	845.0000	< 0.2000	< 0.2000	4	05/01/97	04/24/97
7440-09-7	POTASSIUM	499.0000	478.0000	mg/L	2.0000	845.0000	< 0.2000	< 0.2000	5	07/29/97	07/24/97
7440-09-7	POTASSIUM	467.0000	487.0000	mg/L	2.0000	845.0000		< 0.2000	6	03/19/98	03/05/98
7440-09-7	POTASSIUM	710.0000	640.0000	mg/L	0.5000	845.0000		< 0.5000	7	08/17/98	07/15/98
7440-09-7	POTASSIUM	661.0000	< 1.0000	mg/L	0.5000	845.0000		< 0.5000	8	03/15/99	03/03/99
7440-09-7	POTASSIUM	700.0000	728.0000	mg/L	0.5000	845.0000		< 0.5000	9	09/16/99	09/01/99
7440-09-7	POTASSIUM	333.0000	380.0000	mg/L	0.0400	845.0000			10	03/16/00	03/15/00
7440-09-7	POTASSIUM	815.0000	823.0000	mg/L	1.0000	845.0000		10.1000	11	10/28/00	09/20/00
7440-09-7	POTASSIUM	706.0000	788.0000	mg/L	0.5000	845.0000		< 0.5000	12	05/10/01	03/14/01
7440-09-7	POTASSIUM	841.0000	856.0000	mg/L	0.2000	845.0000			13	11/08/01	09/19/01
7440-09-7	POTASSIUM	759.0000	797.0000	mg/L	0.5000	845.0000		< 0.5000	14	03/25/02	03/20/02
7440-09-7	POTASSIUM	852.0000	813.0000	mg/L	0.5000	845.0000			15	10/01/02	09/18/02
7440-09-7	POTASSIUM	455.0000	501.0000	mg/L	0.5000	845.0000			16	04/28/03	03/19/03
7440-09-7	POTASSIUM	755.0000	795.0000	mg/L	0.5000	845.0000			17	09/29/03	09/17/03



WQSP-2 Selenium												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1500		< 0.0020	1	10/08/95	08/17/95	
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		2	11/19/96	11/07/96	
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		3	07/30/96	07/25/96	
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		4	05/02/97	04/24/97	
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1500	< 0.0050		5	08/15/97	07/24/97	
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1500		< 0.0050	6	03/19/98	03/05/98	
7782-49-2	SELENIUM	< 0.0100	0.1500	mg/L	0.0100	0.1500		0.0100	7	08/17/98	07/15/98	
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0100	0.1500		< 0.0100	8	03/08/99	03/03/99	
7782-49-2	SELENIUM	0.0700	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	9	09/18/99	09/01/99	
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1500			10	03/18/00	03/15/00	
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1500		< 0.0100	11	10/28/00	09/20/00	
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	12	03/28/01	03/14/01	
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		0.0080	13	09/28/01	09/18/01	
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	14	03/28/02	03/20/02	
7782-49-2	SELENIUM	0.0510	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	15	09/21/02	09/18/02	
7782-49-2	SELENIUM	< 0.0505	< 0.0505	mg/L	0.0500	0.1500		< 0.0500	16	04/30/03	03/19/03	
7782-49-2	SELENIUM	0.1180	0.1180	mg/L	0.0250	0.1500		< 0.0500	17	10/07/03	09/17/03	

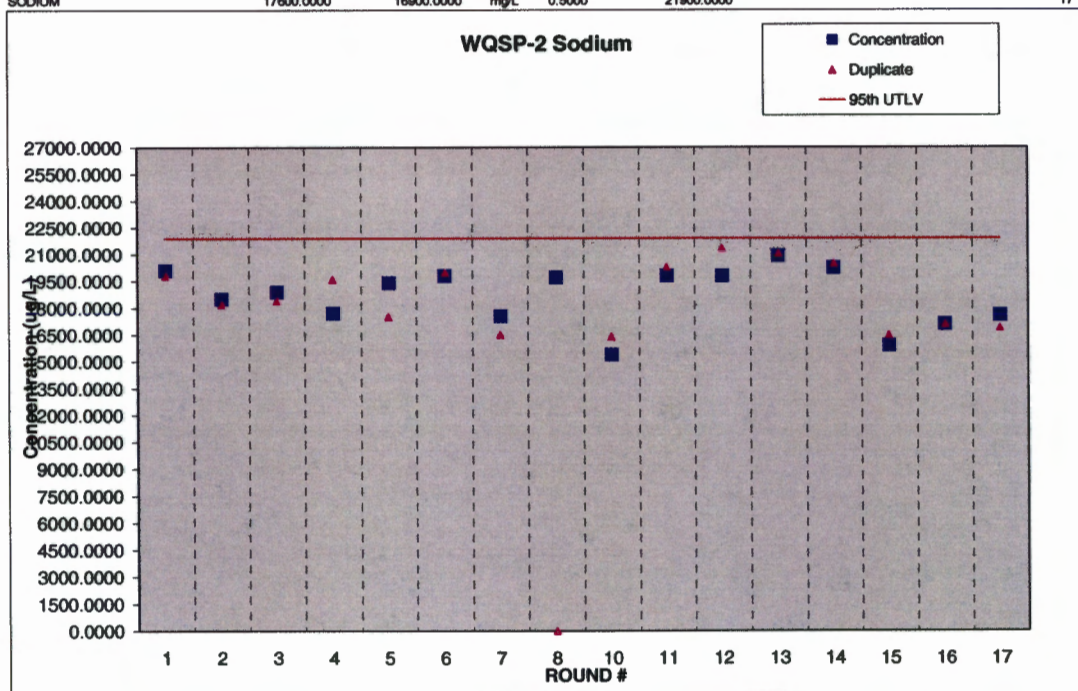


WQSP-2 Silver											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	< 0.0025	< 0.0025	mg/L	0.0025	0.5000		< 0.0025	1	09/13/95	08/17/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	11/19/96	11/07/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/30/96	07/25/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	05/02/97	04/24/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	06/15/97	07/24/97
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0050	6	03/19/98	03/05/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.0500	7	08/17/98	07/15/98
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	03/08/99	03/03/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	08/17/99	08/01/99
7440-22-4	SILVER	< 0.0100	0.0020	mg/L	0.0100	0.5000			10	03/18/00	03/15/00
7440-22-4	SILVER	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	11	10/28/00	09/20/00
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	12	03/28/01	03/14/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		0.0000	13	09/28/01	09/19/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	14	03/28/02	03/20/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	15	08/21/02	08/18/02
7440-22-4	SILVER	< 0.0080	< 0.0080	mg/L	0.0080	0.5000		< 0.0125	16	04/30/03	03/19/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0125	17	10/07/03	09/17/03



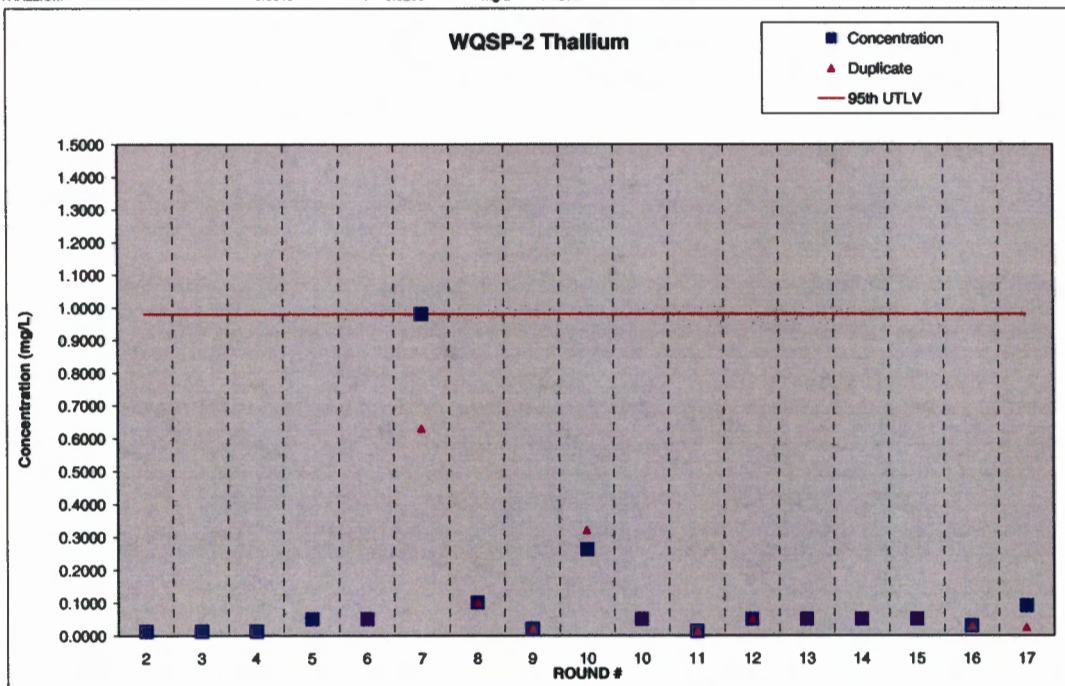
WQSP-2 Sodium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	20100.0000	19800.0000	mg/L	5.0000	21800.0000	< 0.5000	< 0.5000	1	08/28/95	08/17/95
7440-23-5	SODIUM	18500.0000	18200.0000	mg/L	25.0000	21800.0000	< 0.5000	< 0.5000	2	04/25/96	04/11/96
7440-23-5	SODIUM	18900.0000	18400.0000	mg/L	25.0000	21800.0000	< 0.5000	< 0.5000	3	07/30/96	07/25/96
7440-23-5	SODIUM	17700.0000	19800.0000	mg/L	10.0000	21800.0000	< 0.5000	< 0.2000	4	05/01/97	04/24/97
7440-23-5	SODIUM	19400.0000	17500.0000	mg/L	10.0000	21800.0000	< 0.2000	< 0.2000	5	07/29/97	07/24/97
7440-23-5	SODIUM	19800.0000	20000.0000	mg/L	4.0000	21800.0000	< 0.2000	< 0.2000	6	03/19/98	03/05/98
7440-23-5	SODIUM	17550.0000	16500.0000	mg/L	0.5000	21800.0000	< 0.5000	< 0.5000	7	08/17/98	07/15/98
7440-23-5	SODIUM	19700.0000	< 1.0000	mg/L	1.0000	21800.0000	< 1.0000	< 1.0000	8	03/15/99	03/03/99
7440-23-5	SODIUM	15374.0000	16396.0000	mg/L	5.0000	21800.0000			10	03/18/00	03/15/00
7440-23-5	SODIUM	19800.0000	20300.0000	mg/L	1.0000	21800.0000		22.0000	11	10/29/00	09/20/00
7440-23-5	SODIUM	19790.0000	21340.0000	mg/L	0.5000	21800.0000		< 0.5000	12	05/19/01	03/14/01
7440-23-5	SODIUM	20910.0000	21080.0000	mg/L	0.2000	21800.0000			13	11/09/01	09/19/01
7440-23-5	SODIUM	20240.0000	20480.0000	mg/L	0.5000	21800.0000		< 0.5000	14	03/25/02	03/20/02
7440-23-5	SODIUM	16900.0000	16500.0000	mg/L	0.5000	21800.0000			15	10/01/02	09/18/02
7440-23-5	SODIUM	17100.0000	17100.0000	mg/L	0.5000	21800.0000			16	04/28/03	03/19/03
7440-23-5	SODIUM	17600.0000	16900.0000	mg/L	0.5000	21800.0000			17	09/28/03	09/17/03

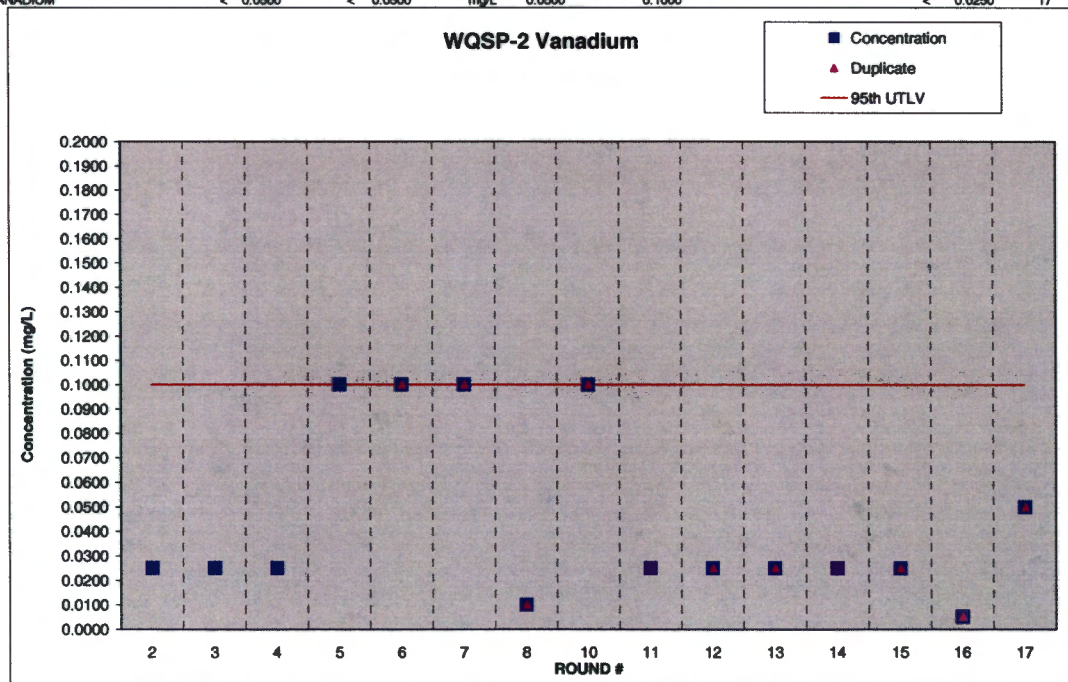


WQSP-2 Thallium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		2	11/19/96	11/07/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		3	07/30/96	07/25/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.9800	< 0.0050		4	05/02/97	04/24/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.9800	< 0.0050		5	08/15/97	07/24/97
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0050	6	03/19/98	03/05/98
7440-28-0	THALLIUM	0.9800	0.9300	mg/L	0.0050	0.9800		< 0.0050	7	08/17/98	07/15/98
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.9800		< 0.1000	8	03/08/99	03/03/99
7440-28-0	THALLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.9800		< 0.0200	9	09/18/99	09/01/99
7440-28-0	THALLIUM	0.2820	0.3210	mg/L	0.0100	0.9800			10	03/18/00	03/15/00
7440-23-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800			10	06/19/00	06/19/00
7440-23-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0500	0.9800		< 0.0250	11	01/04/01	09/20/00
7440-23-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0500	12	03/28/01	03/14/01
7440-23-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		0.0180	13	09/28/01	09/19/01
7440-23-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0500	14	03/28/02	03/20/02
7440-23-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.9800		< 0.0500	15	09/21/02	09/18/02
7440-23-0	THALLIUM	< 0.0300	< 0.0300	mg/L	0.0300	0.9800		< 0.0500	16	04/30/03	03/19/03
7440-23-0	THALLIUM	0.0910	< 0.0250	mg/L	0.0250	0.9800		< 0.0500	17	10/07/03	09/17/03



WQSP-2 Vanadium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		2	11/18/96	11/07/96
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		3	07/30/96	07/25/96
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		4	05/02/97	04/24/97
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	0.1000	< 0.0100		5	08/15/97	07/24/97
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.0100	6	03/19/98	03/05/98
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	7	09/17/98	07/15/98
7440-82-2	VANADIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	8	03/08/99	03/03/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000			10	03/16/00	03/15/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	11	10/26/00	09/20/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	12	03/28/01	03/14/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0010	13	09/26/01	09/19/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	14	03/28/02	03/20/03
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	15	09/21/02	09/18/02
7440-82-2	VANADIUM	< 0.0052	< 0.0052	mg/L	0.0052	0.1000		< 0.0250	16	04/30/03	03/19/03
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0250	17	10/07/03	09/17/03

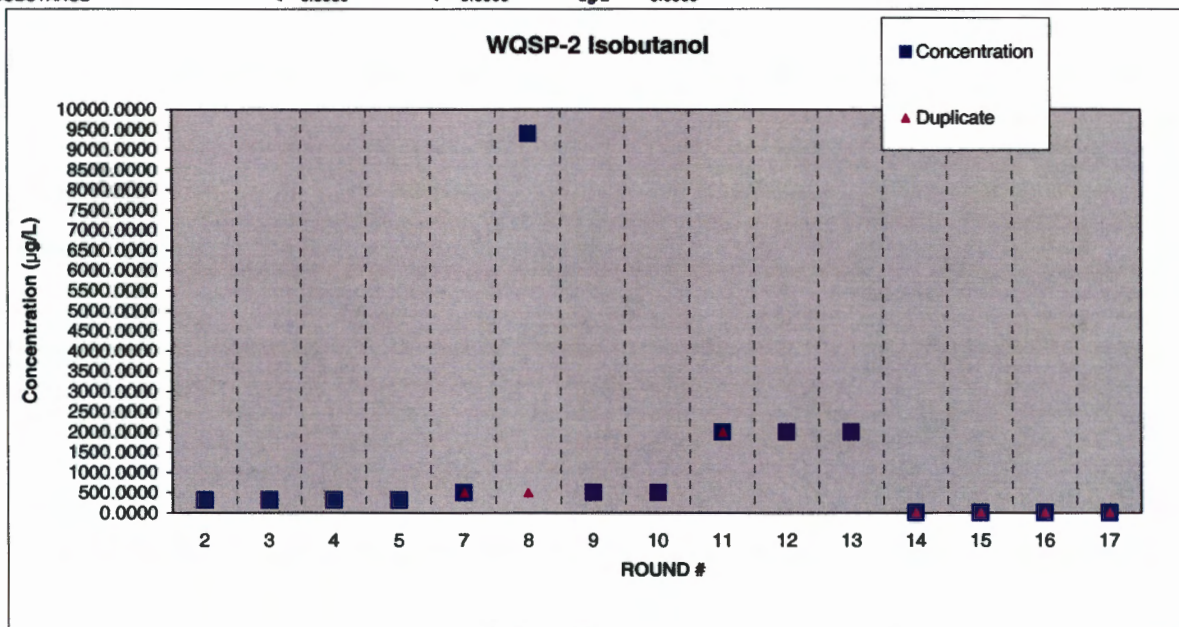


WELL WQSP-2

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**

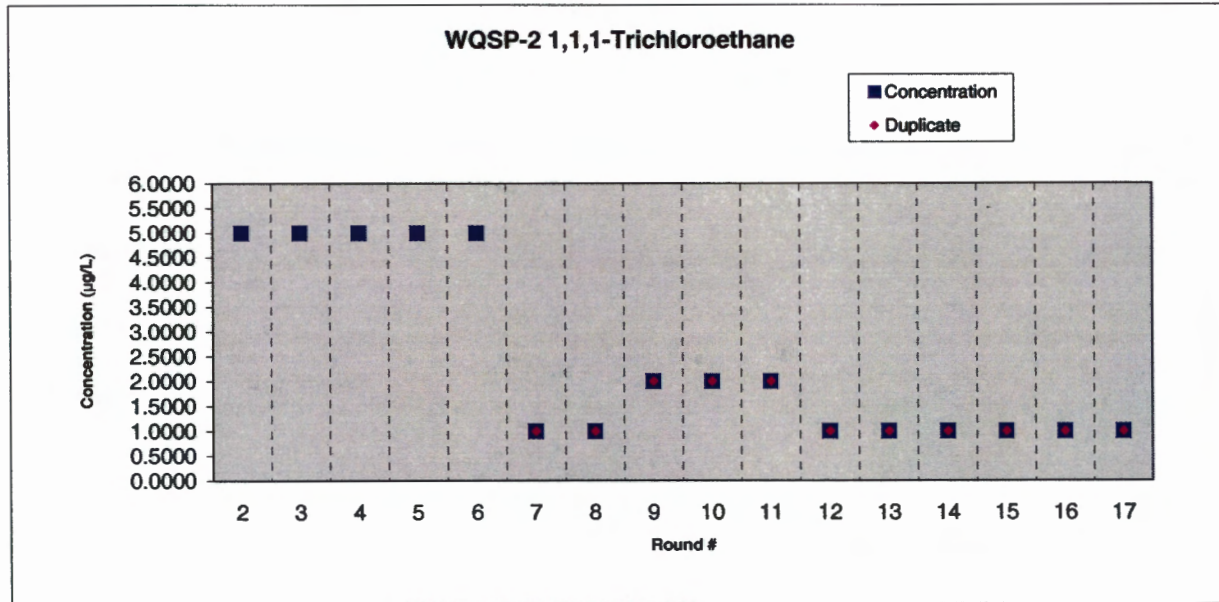
WQSP-2 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		2	05/22/96	04/25/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	3	08/16/96	08/08/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		4	05/20/97	05/08/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		5	08/15/97	08/07/97
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	320.0000		< 320.0000		7	08/21/98	08/12/98
78-83-1	ISOBUTANOL	9400.0000	< 500.0000	ug/L	500.0000			< 500.0000	8	03/30/99	03/17/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	9	09/23/99	09/15/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	10		
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	11	09/25/00	09/20/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				12	03/20/01	03/14/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				13	09/27/01	09/19/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/23/02	03/20/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	09/26/02	09/18/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/30/03	03/19/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/24/03	09/17/03



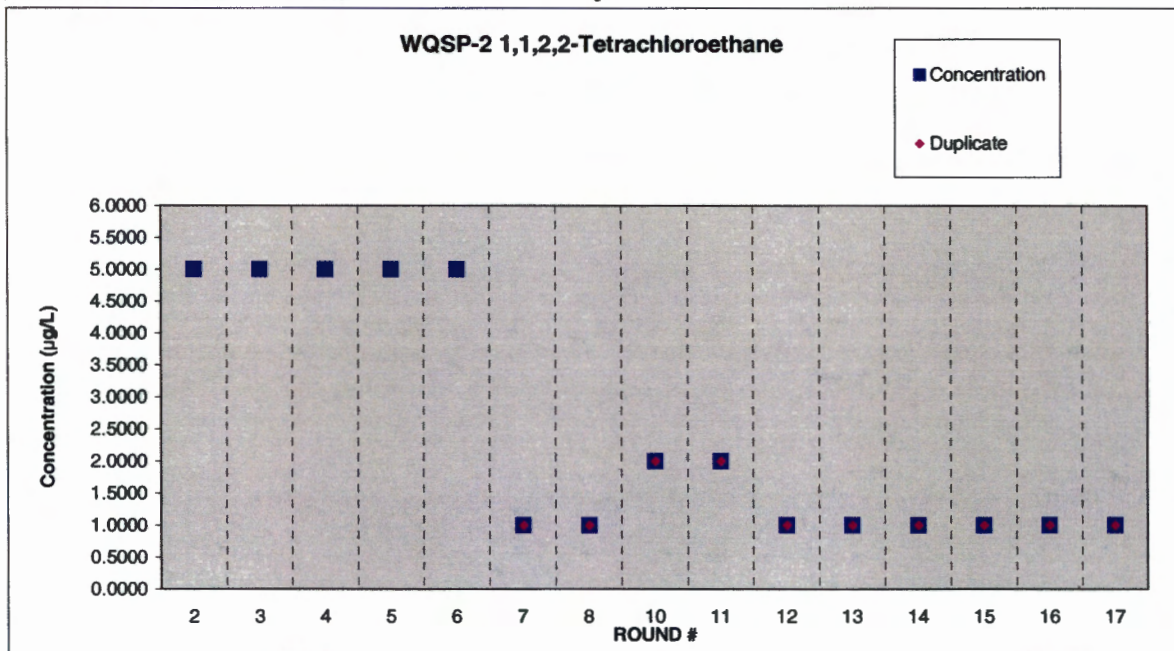
WQSP-2 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



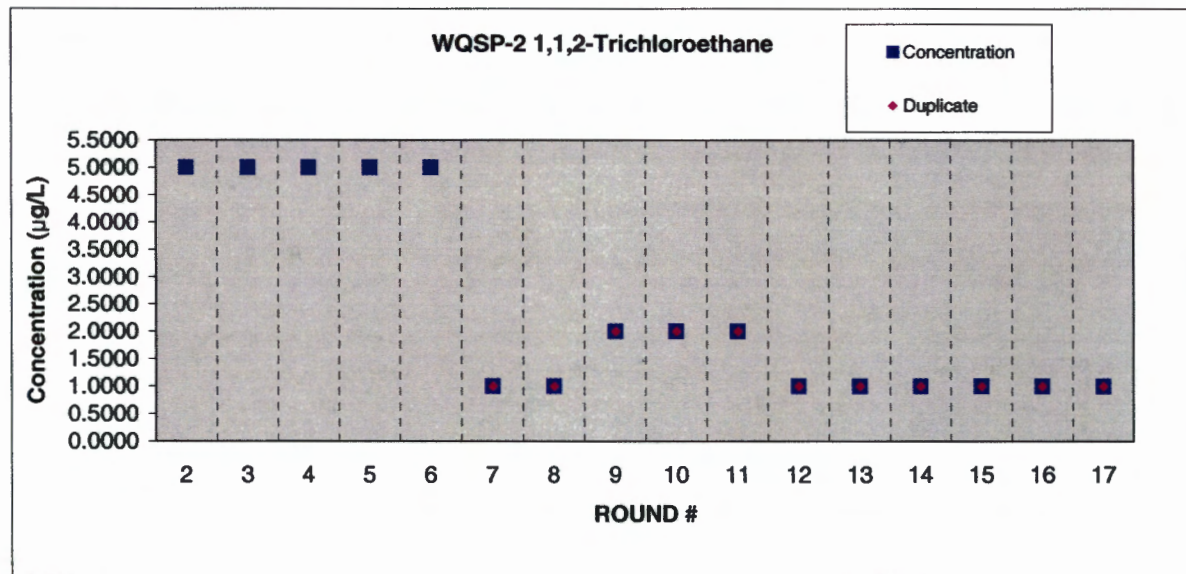
WQSP-2 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



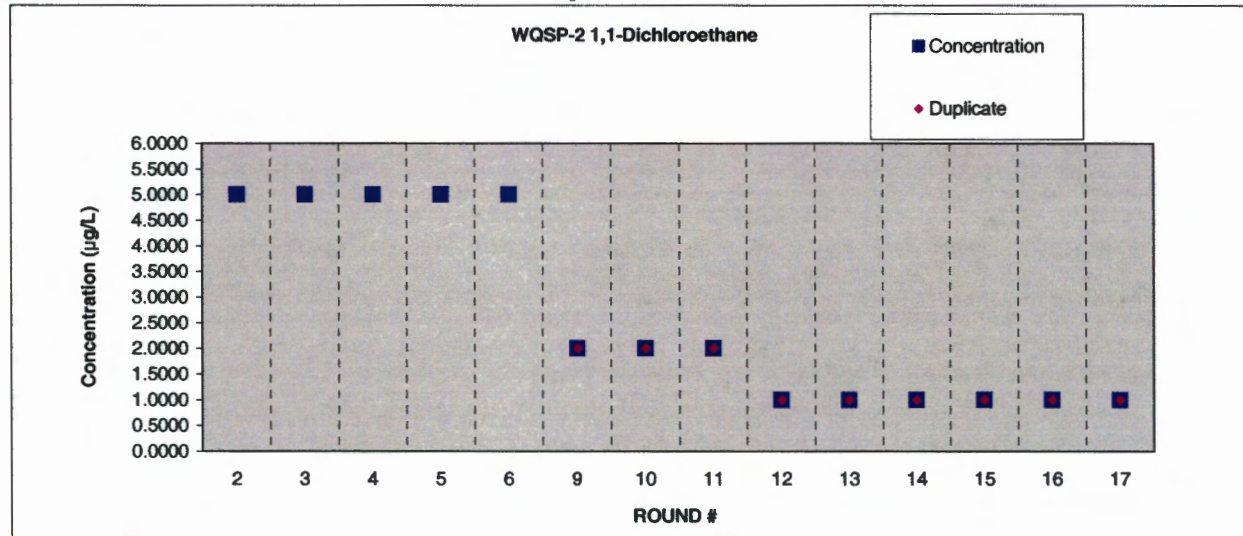
WQSP-2 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	02/20/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



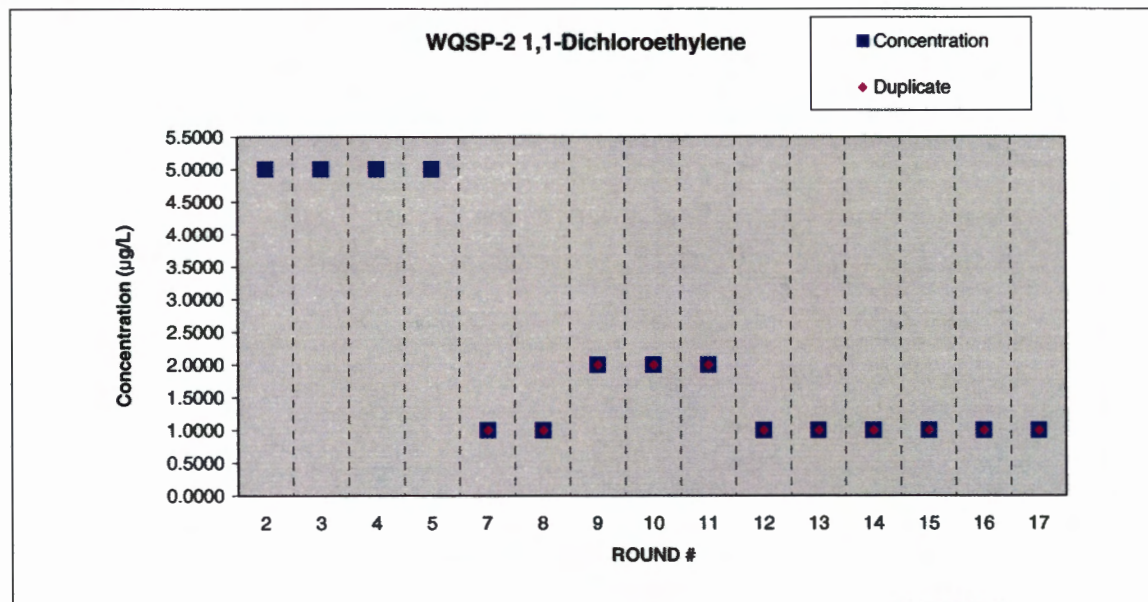
WQSP-2 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



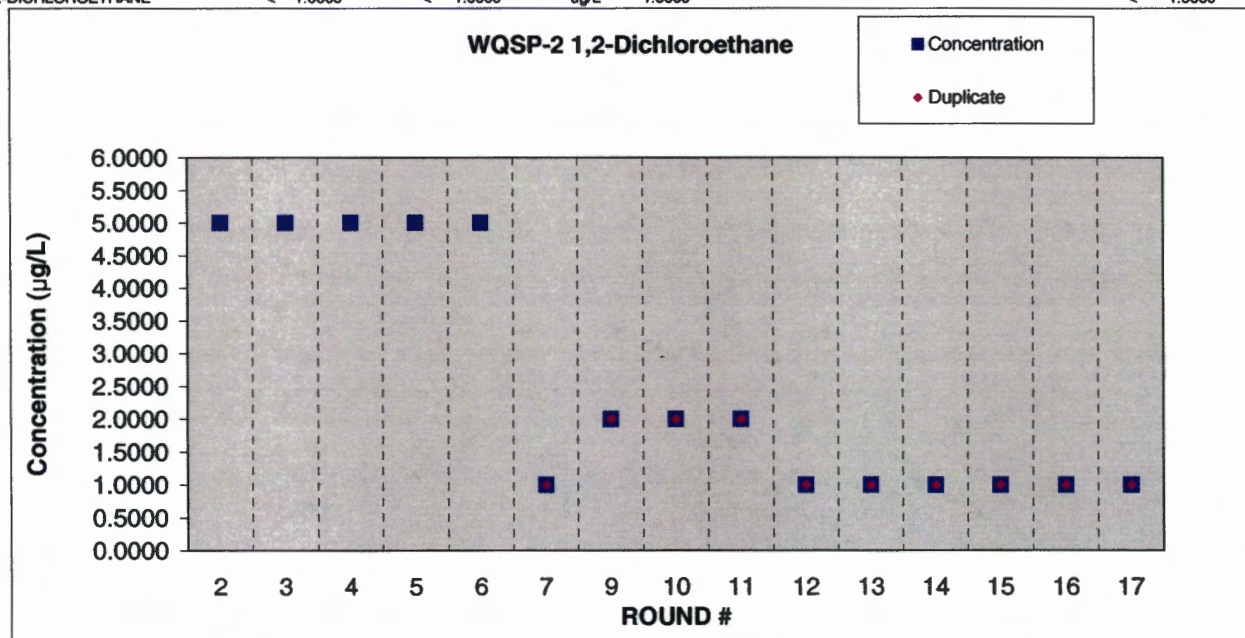
WQSP-2 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
75-35-4	1,1-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/16/98	08/12/98
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
75-35-4	1,1-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/03
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
75-35-4	1,1-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



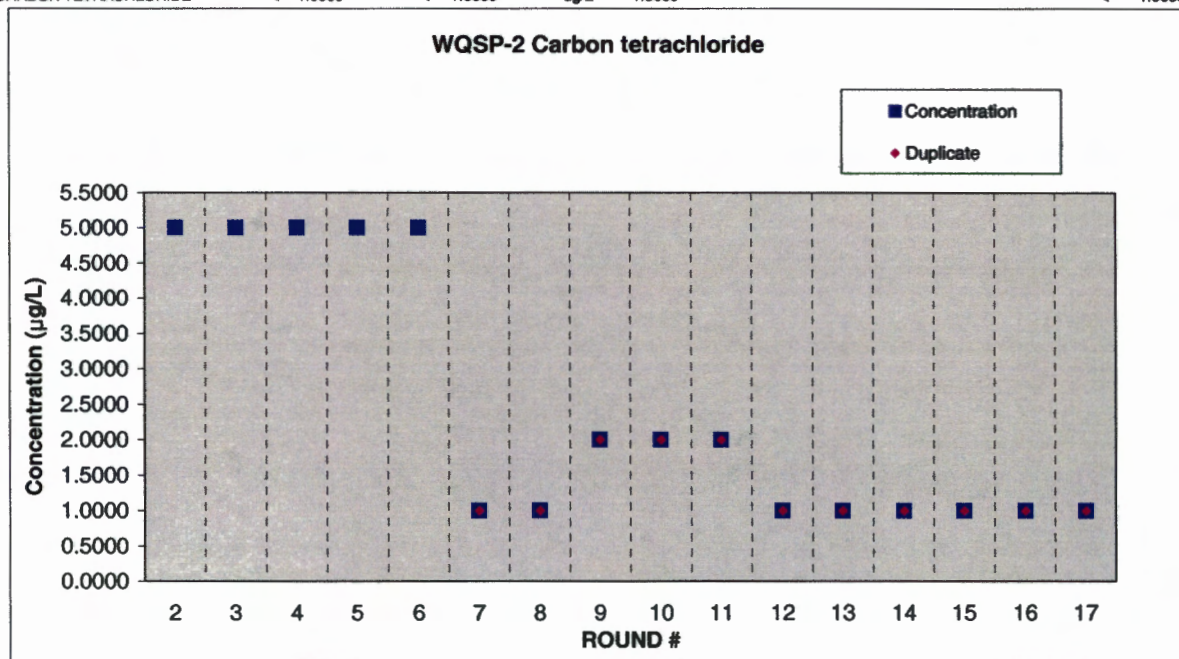
WQSP-2 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	06/18/06
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



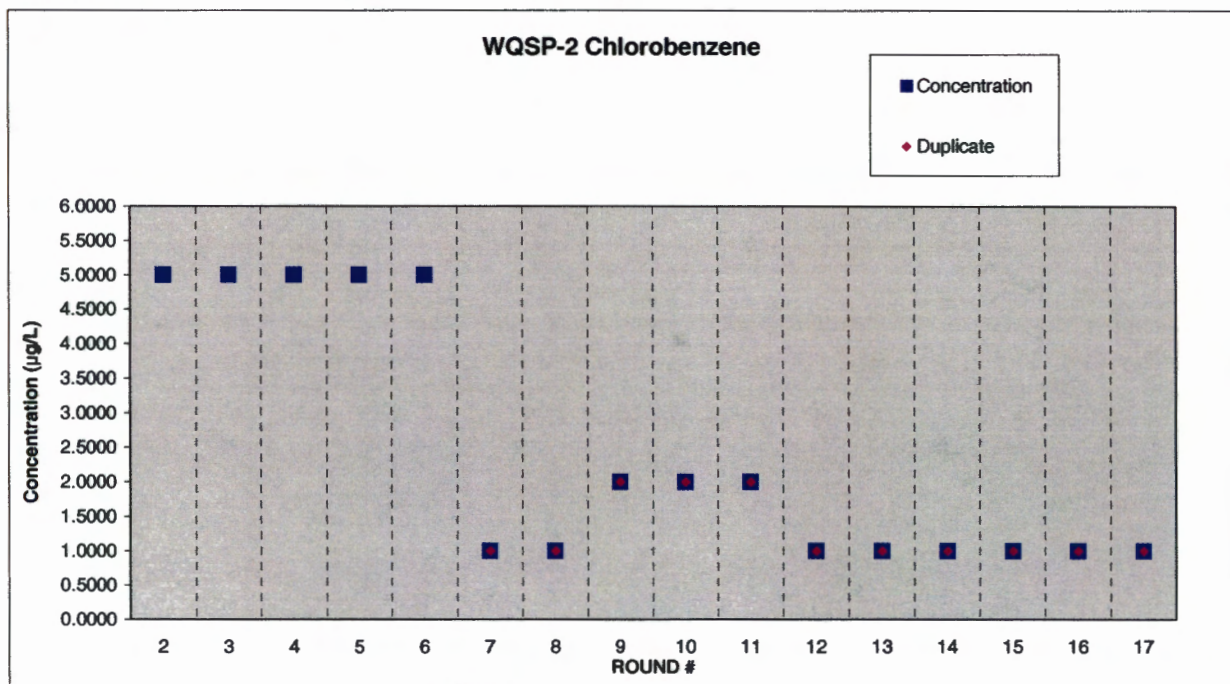
WQSP-2 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



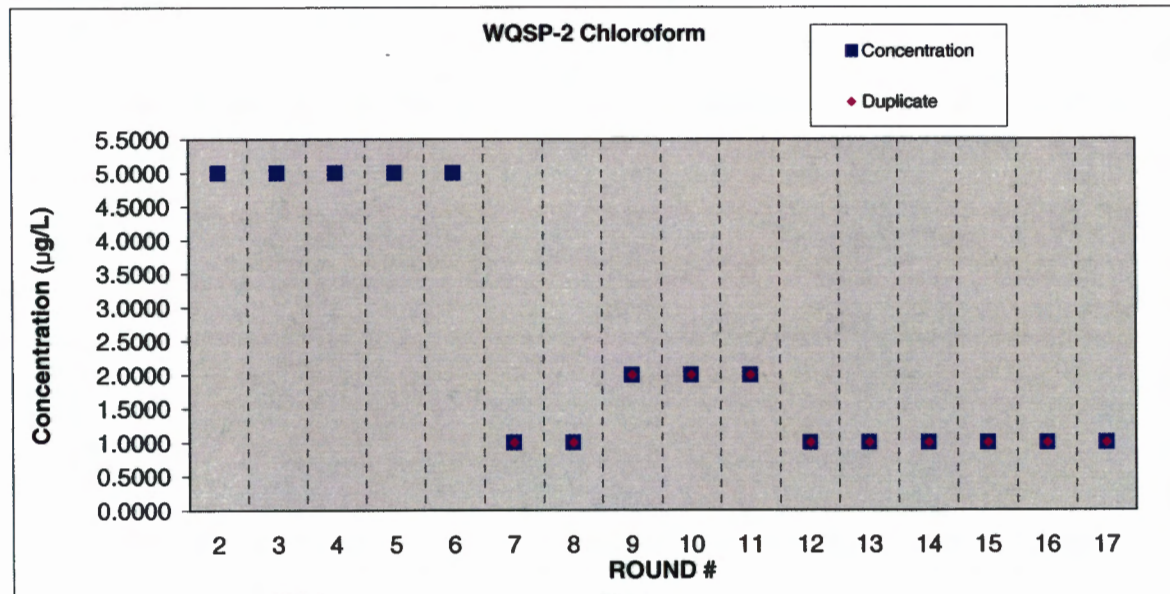
WQSP-2 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



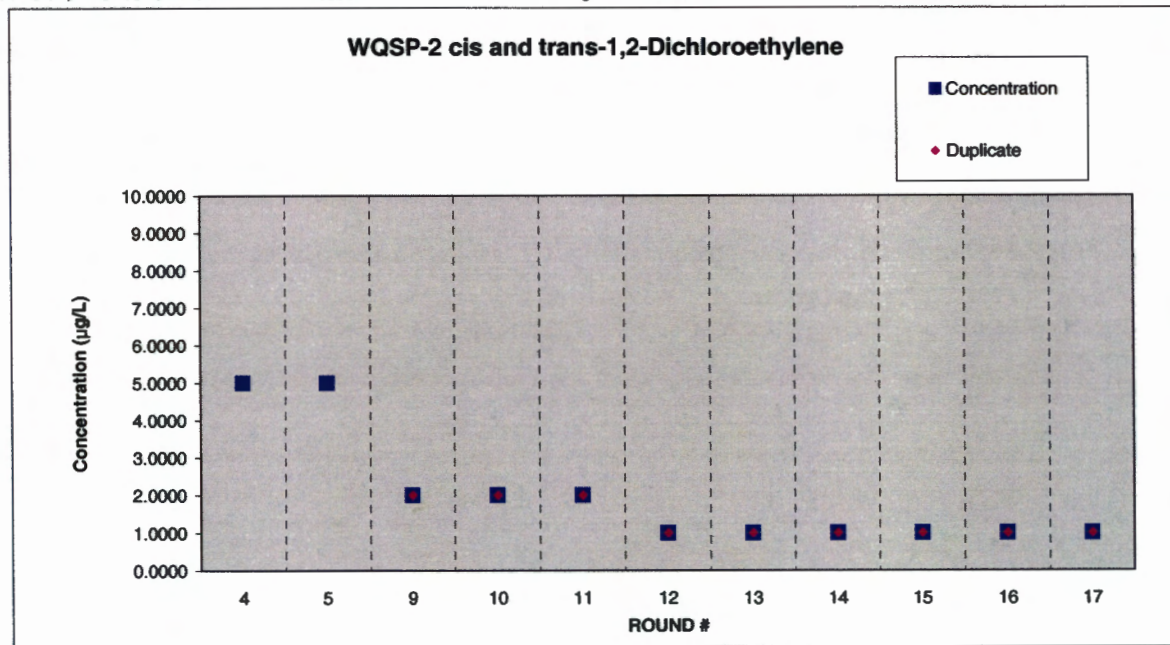
WQSP-2 Chloroform

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



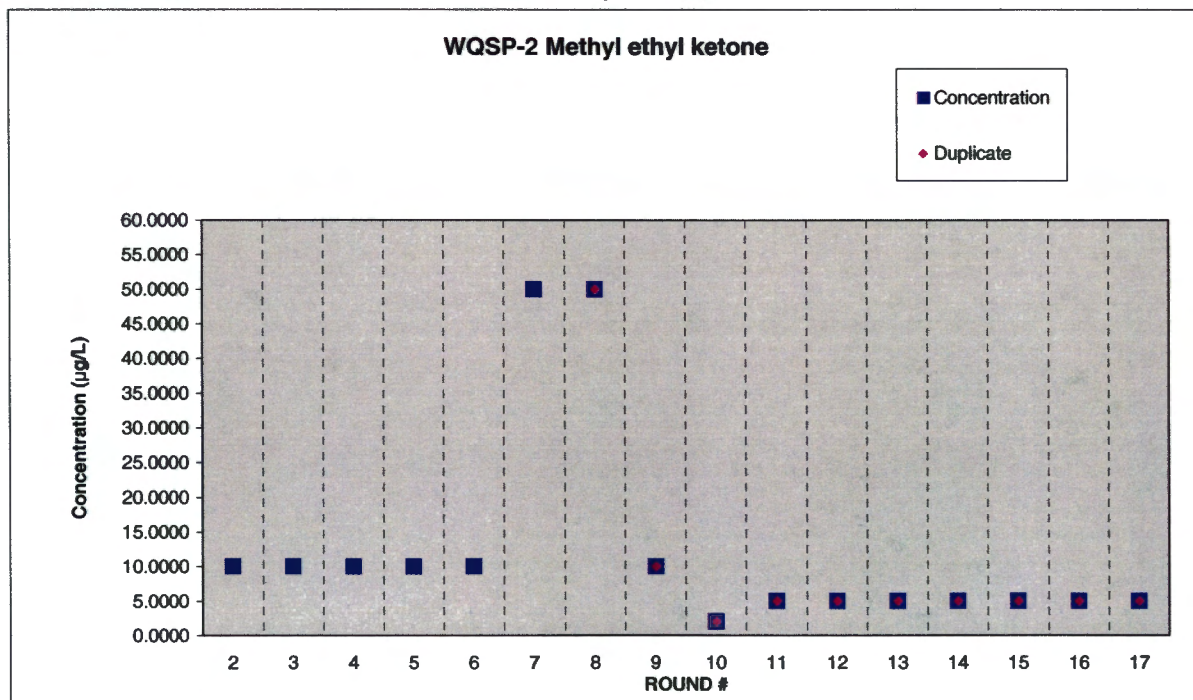
WQSP-2 cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



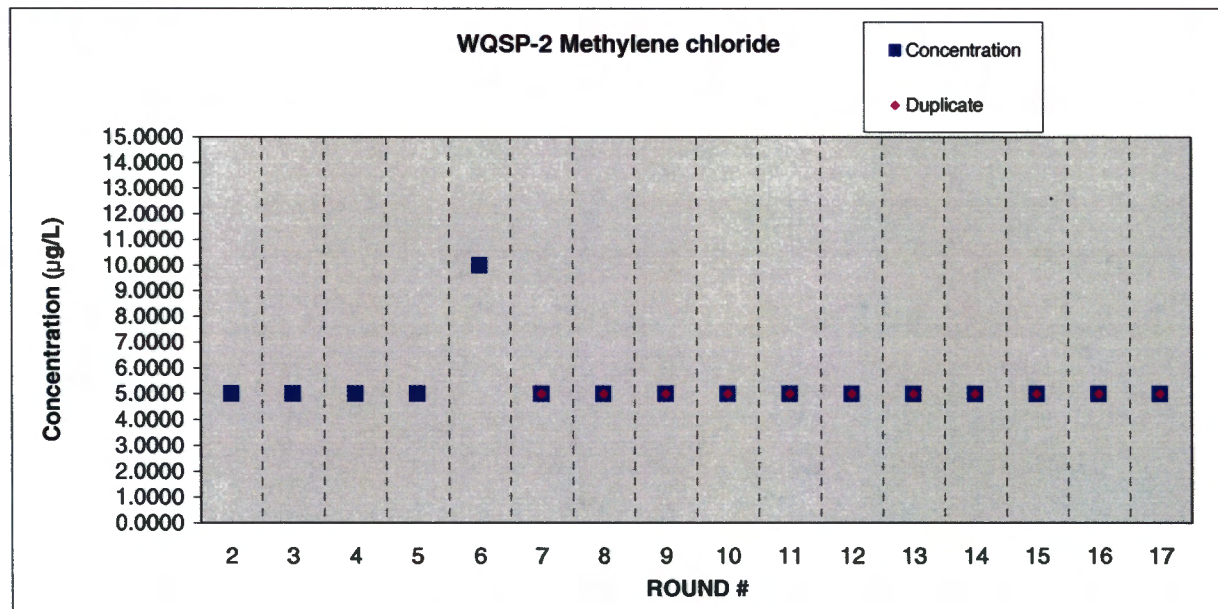
WQSP-2 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	04/29/96	04/25/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/09/96	08/08/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/12/97	05/08/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/11/97	08/07/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	08/14/98	08/12/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	04/05/99	03/17/99
78-93-3	METHYL ETHYL KETONE	< 10.0000	< 10.0000	ug/L	10.0000			< 10.0000	9	09/17/99	09/15/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	2.0000			< 5.0000	11	09/25/00	09/20/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/20/01	03/14/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	09/20/01	09/19/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	03/23/02	03/20/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	09/26/02	09/18/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	03/30/03	03/19/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	09/24/03	09/17/03



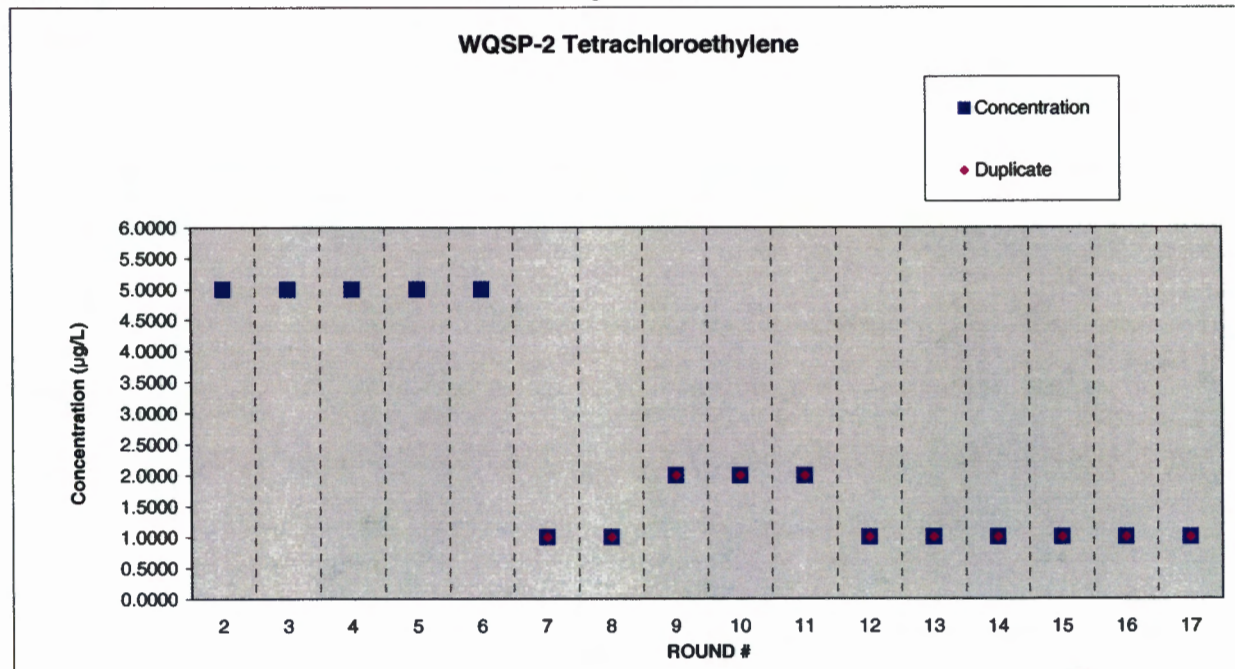
WQSP-2 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
75-09-2	METHYLENE CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	7	08/14/98	08/12/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	04/05/99	03/17/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/17/99	09/15/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/24/00	03/15/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	09/25/00	09/20/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	03/20/01	03/14/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	09/20/01	09/19/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	03/23/02	03/20/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	09/26/02	09/18/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	03/30/03	03/19/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	09/24/03	09/17/03



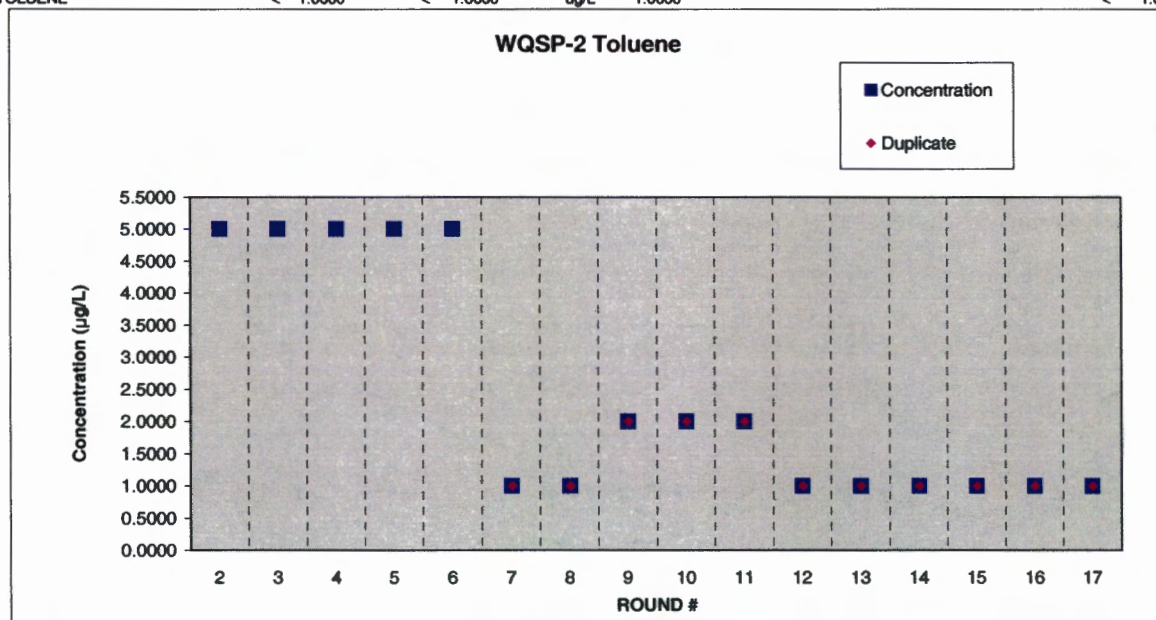
WQSP-2 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
127-18-4	TETRACHLOROETHENE	< 5.0000		ug/L				< 5.0000	6	04/21/98	04/15/98
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
127-18-4	TETRACHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
127-18-4	TETRACHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



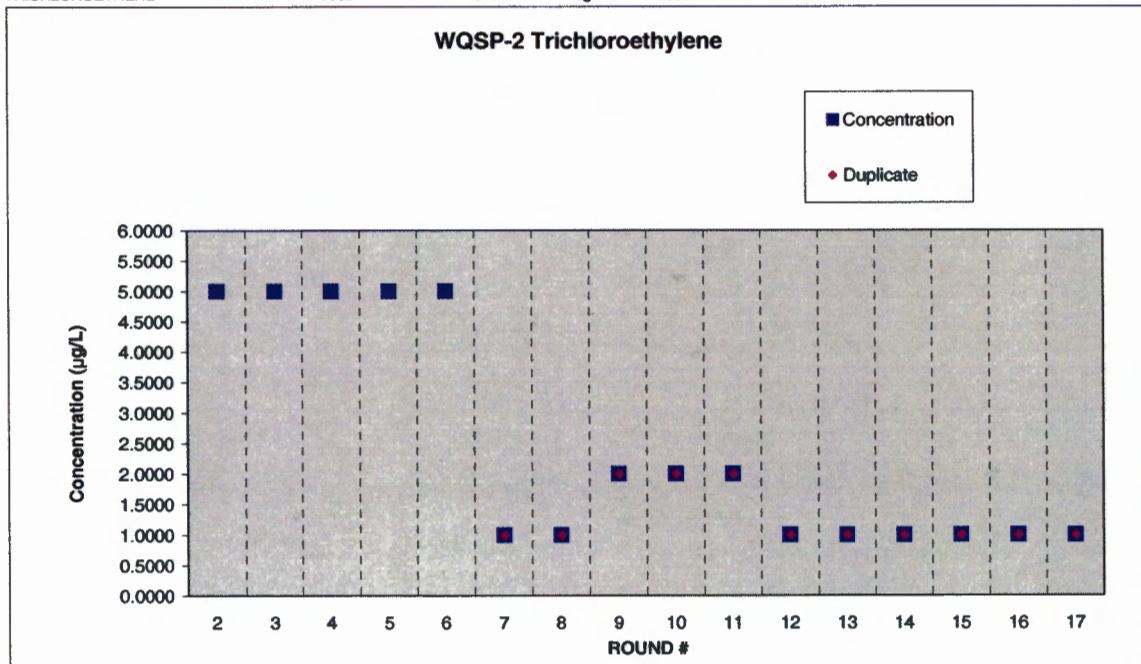
WQSP-2 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/19/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



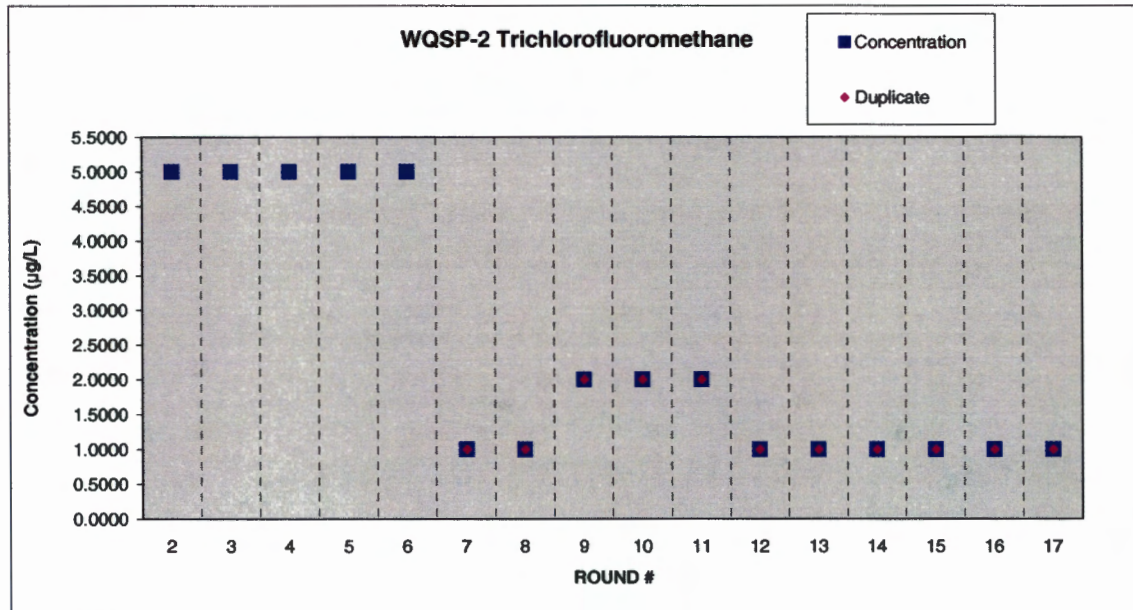
WQSP-2 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
79-01-6	TRICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/14/98	08/12/98
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
79-01-6	TRICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
79-01-6	TRICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



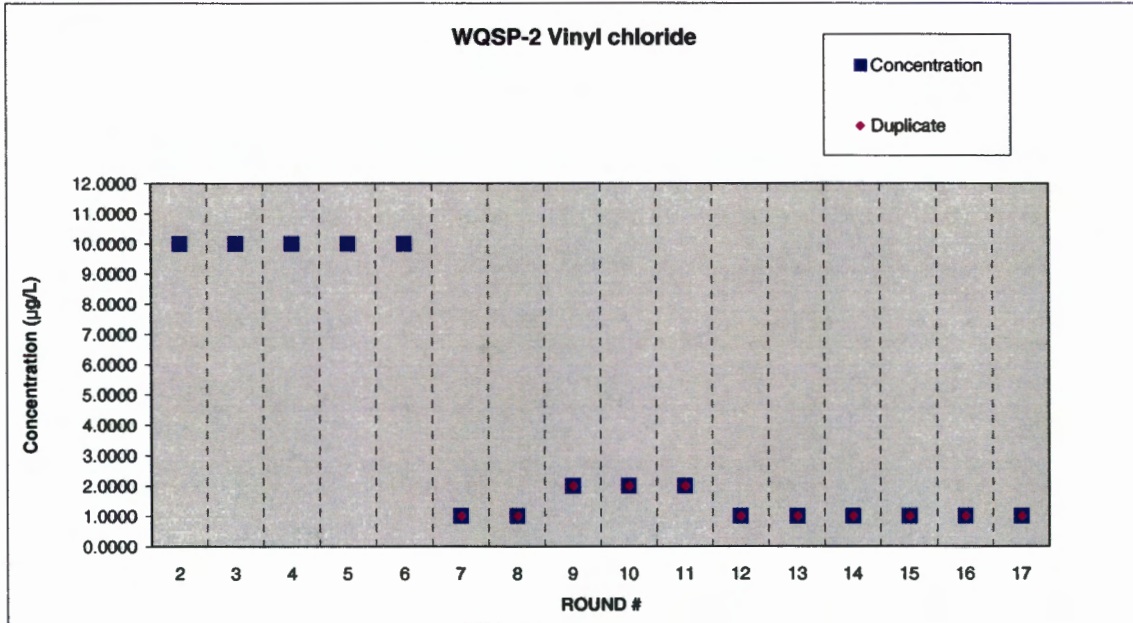
WQSP-2 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	04/29/96	04/25/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/09/96	08/08/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/12/97	05/08/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/11/97	08/07/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	5.0000		< 5.0000	< 1.0000	7	08/16/98	08/12/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



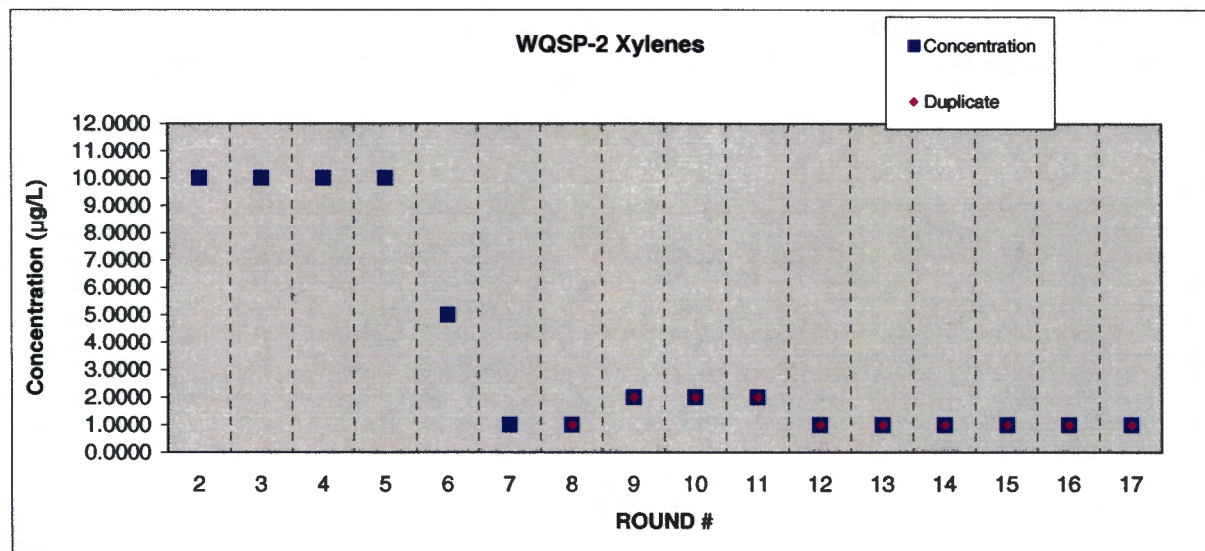
WQSP-2 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	04/29/96	04/25/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/09/96	08/08/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/12/97	05/08/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/11/97	08/07/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	10.0000		< 10.0000	< 1.0000	7	08/14/98	08/12/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



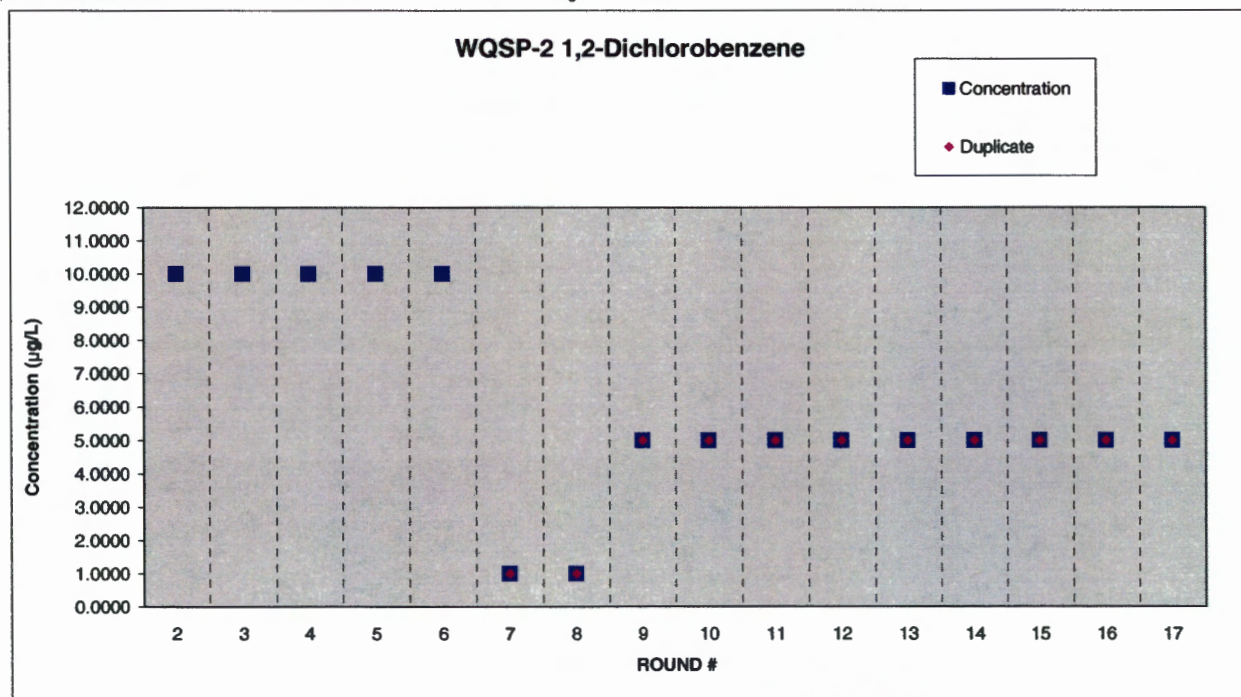
WQSP-2 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	04/29/96	04/25/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/09/96	08/08/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	05/12/97	05/08/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	08/11/97	08/07/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	04/21/98	04/15/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	08/14/98	08/12/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/05/99	03/17/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	09/17/99	09/15/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/24/00	03/15/00
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	11	09/25/00	09/20/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	03/20/01	03/14/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	09/20/01	09/19/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	03/23/02	03/20/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	09/26/02	09/18/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	03/30/03	03/19/03
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	09/24/03	09/17/03



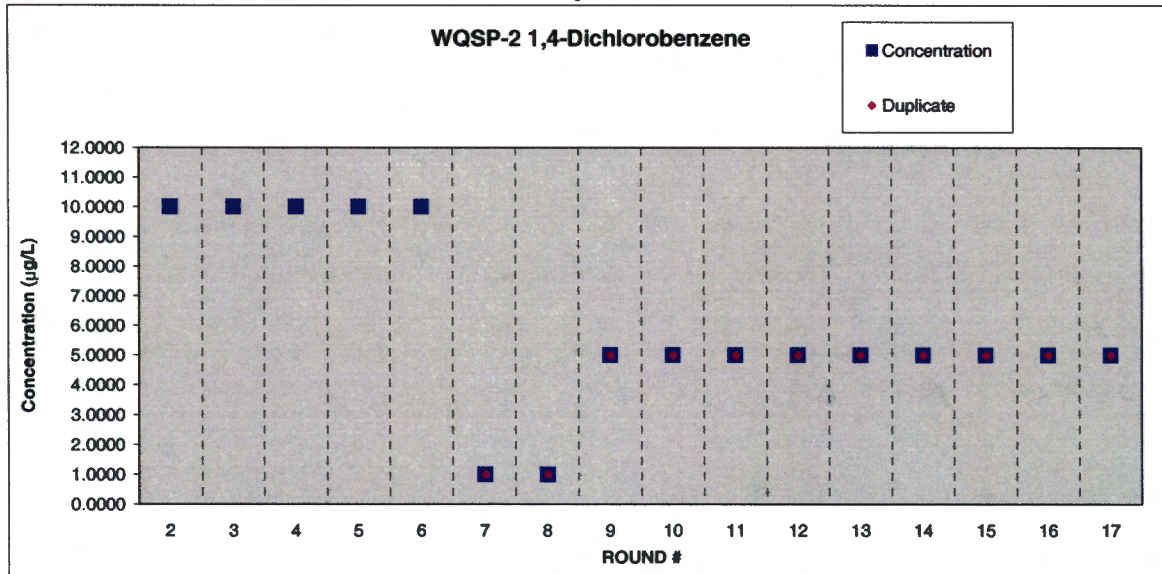
WQSP-2 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 0.0100		2	05/14/96	04/25/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	10.0000		< 10.0000	< 1.0000	7	08/25/98	08/12/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/29/00	09/20/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



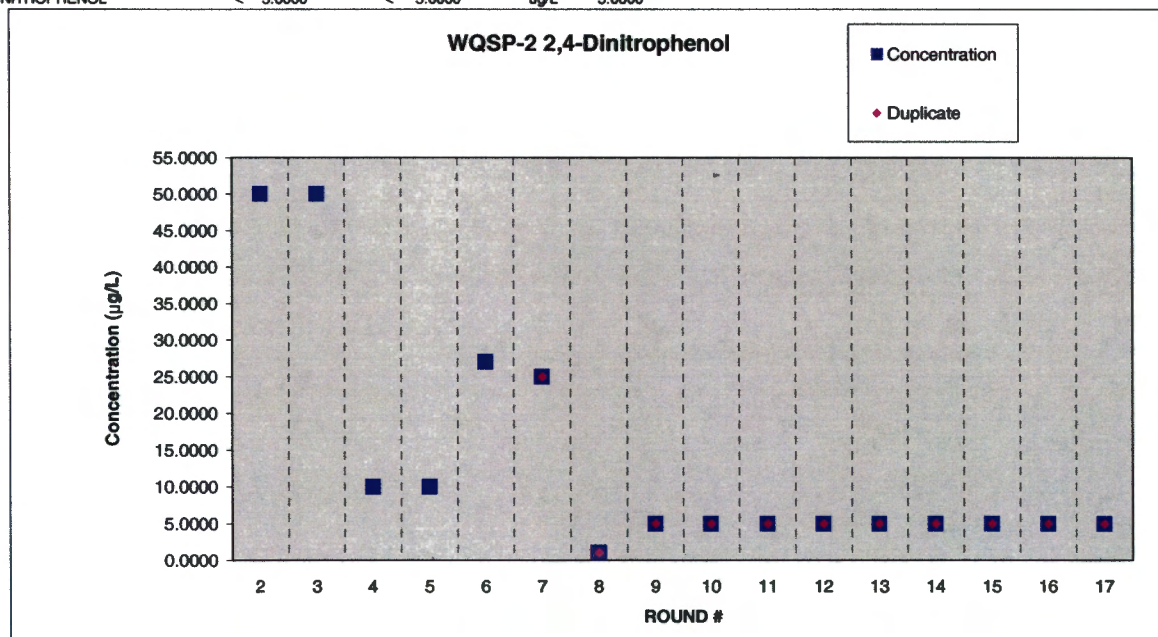
WQSP-2 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	08/25/98	08/12/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/29/00	09/20/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



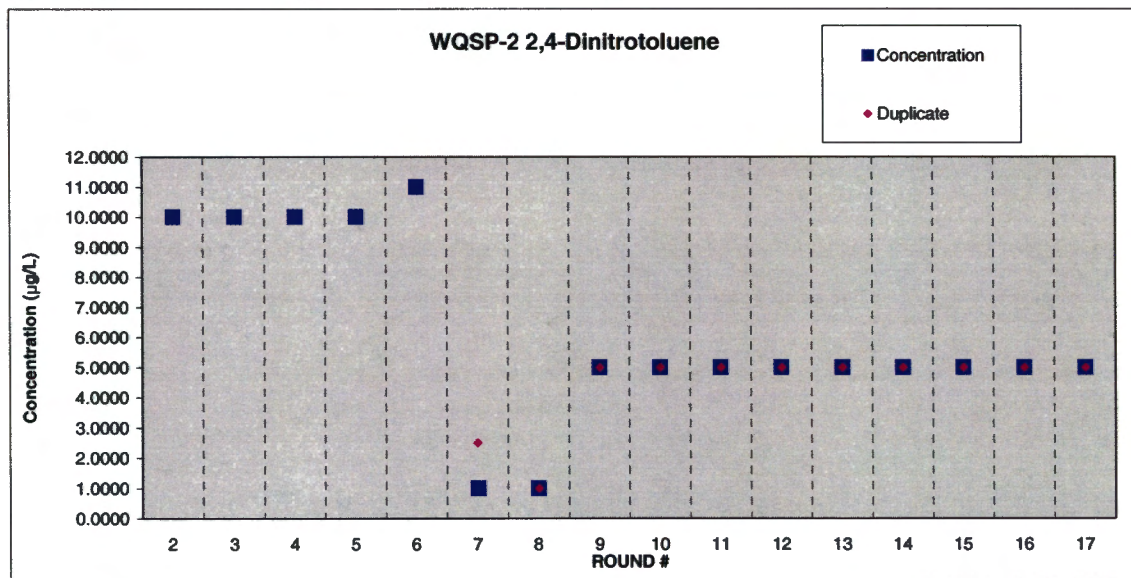
WQSP-2 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	05/14/96	04/25/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	08/21/96	08/08/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
51-28-5	2,4-DINITROPHENOL	< 27.0000		ug/L	25.0000			< 25.0000	6	04/21/98	04/15/98
51-28-5	2,4-DINITROPHENOL	< 25.0000	< 25.0000	ug/L	25.0000			< 25.0000	7	08/25/98	08/12/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	09/29/00	09/20/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



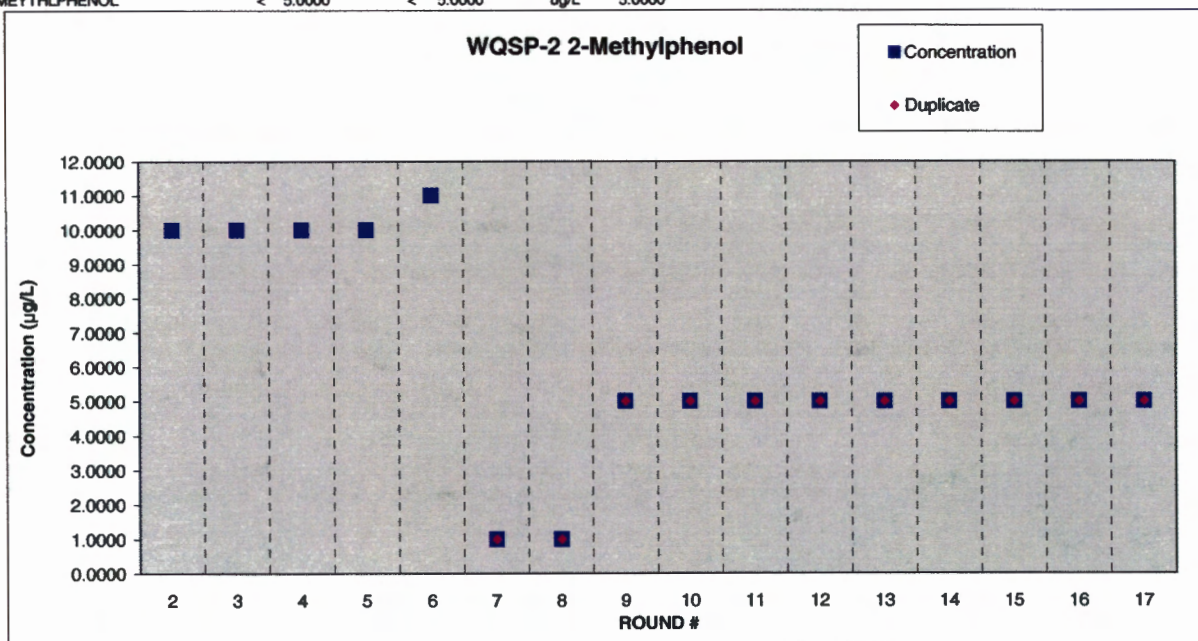
WQSP-2 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	09/07/97
121-14-2	2,4-DINITROTOLUENE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 2.5000	ug/L	1.0000			< 1.0000	7	08/25/98	08/12/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



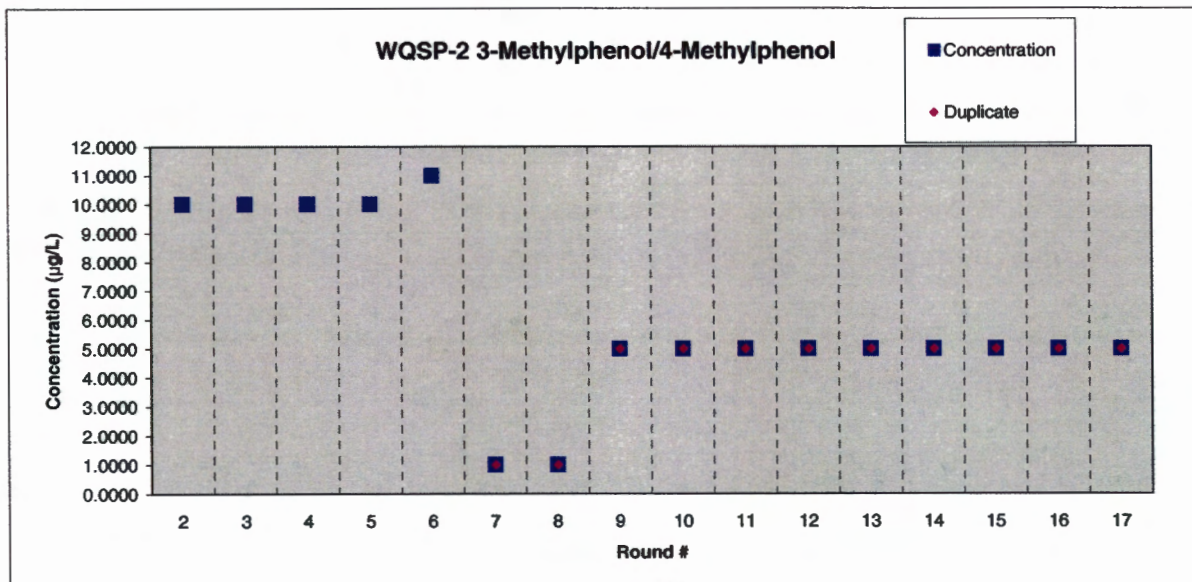
WQSP-2 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
95-48-7	2-MEYTHLPHENOL	< 11.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
95-48-7	2-MEYTHLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	08/25/98	08/12/98
95-48-7	2-MEYTHLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
95-48-7	2-MEYTHLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



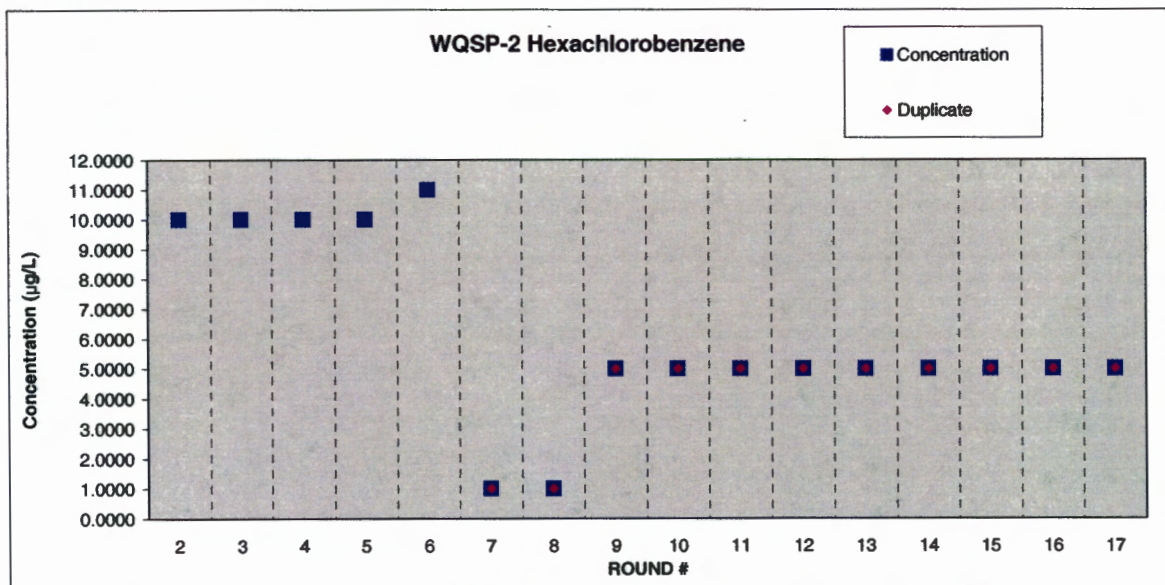
WQSP-2 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	08/21/96	08/08/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	05/27/97	05/08/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	09/03/97	08/07/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	05/14/98	04/25/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 11.0000		ug/L	10.0000			< 1.0000	6	04/21/98	04/15/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	08/25/98	08/12/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



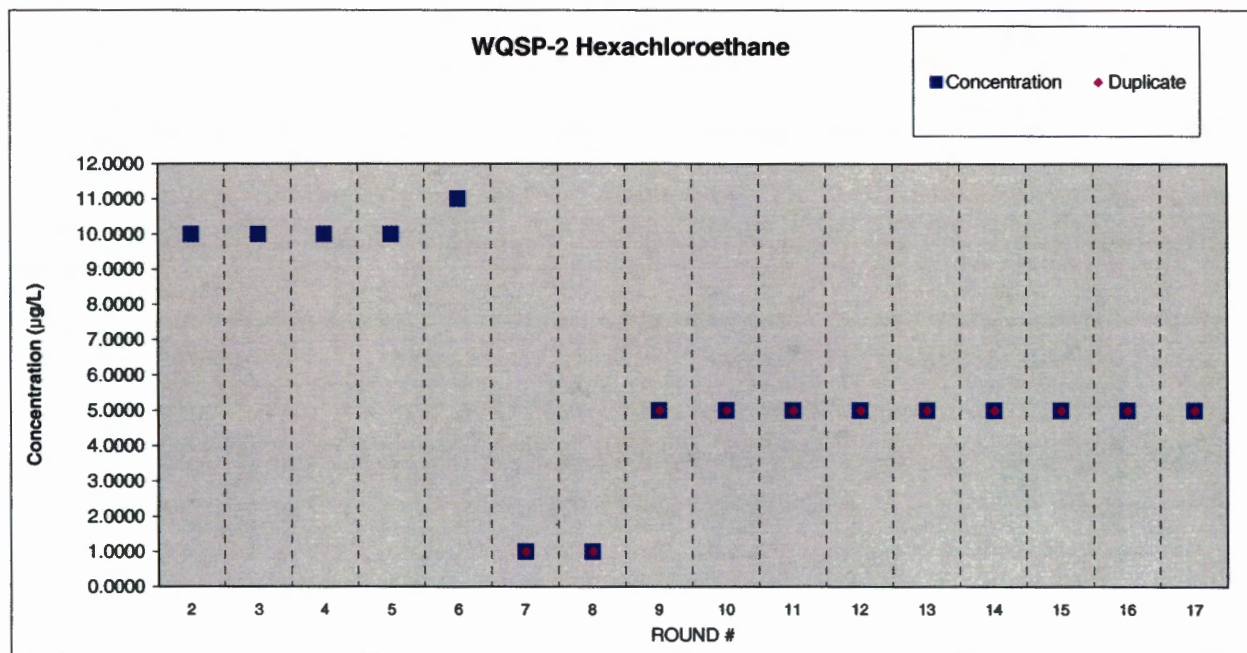
WQSP-2 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 0.0100		2	05/14/96	04/25/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 0.0100		3	08/21/96	08/08/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
118-74-1	HEXACHLOROBENZENE	< 11.0000		ug/L	10.0000		< 10.0000		6	04/21/98	04/15/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	10.0000			< 1.0000	7	08/25/98	08/12/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



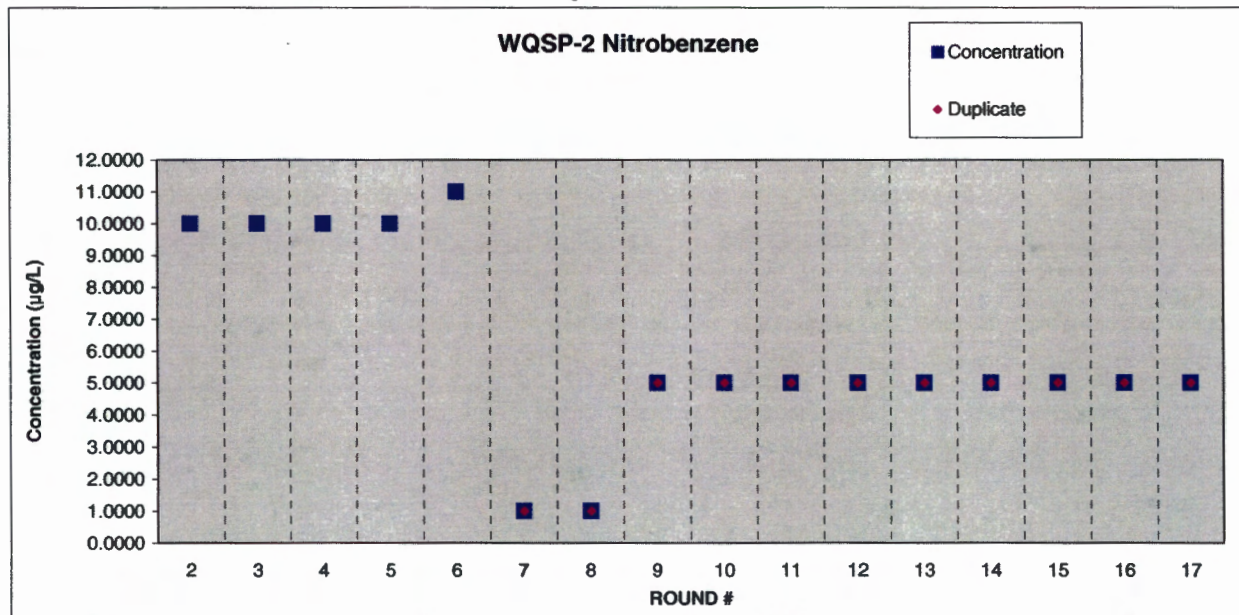
WQSP-2 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
67-72-1	HEXACHLOROETHANE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	08/25/98	08/12/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



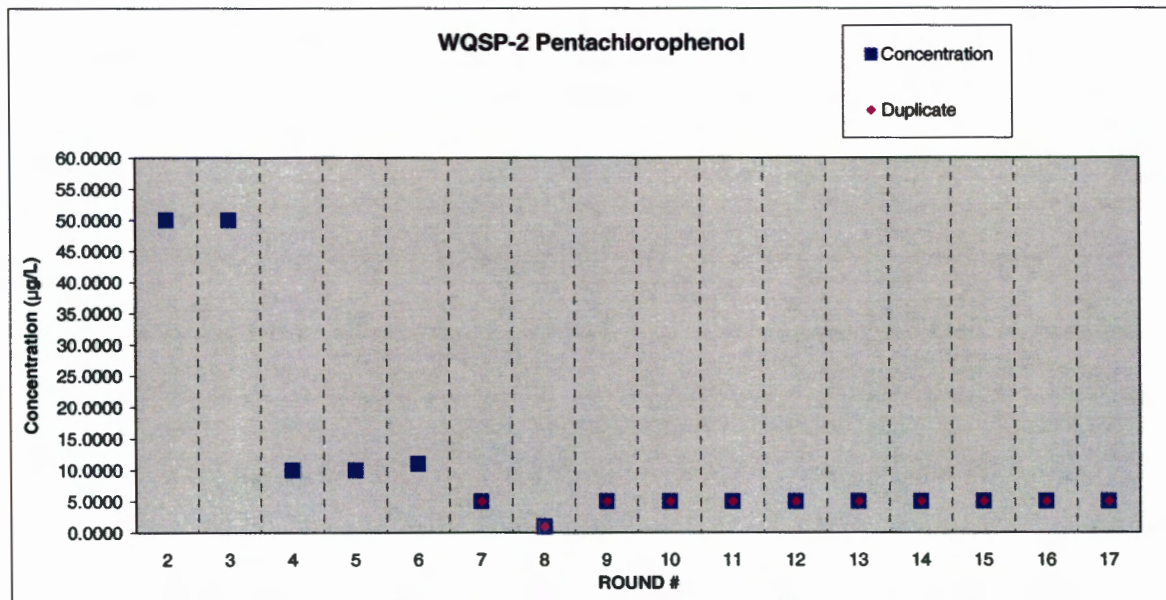
WQSP-2 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
98-95-3	NITROBENZENE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	08/25/98	08/12/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	03/18/99	03/17/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	09/20/99	09/15/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	03/15/00	03/21/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/03	03/20/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



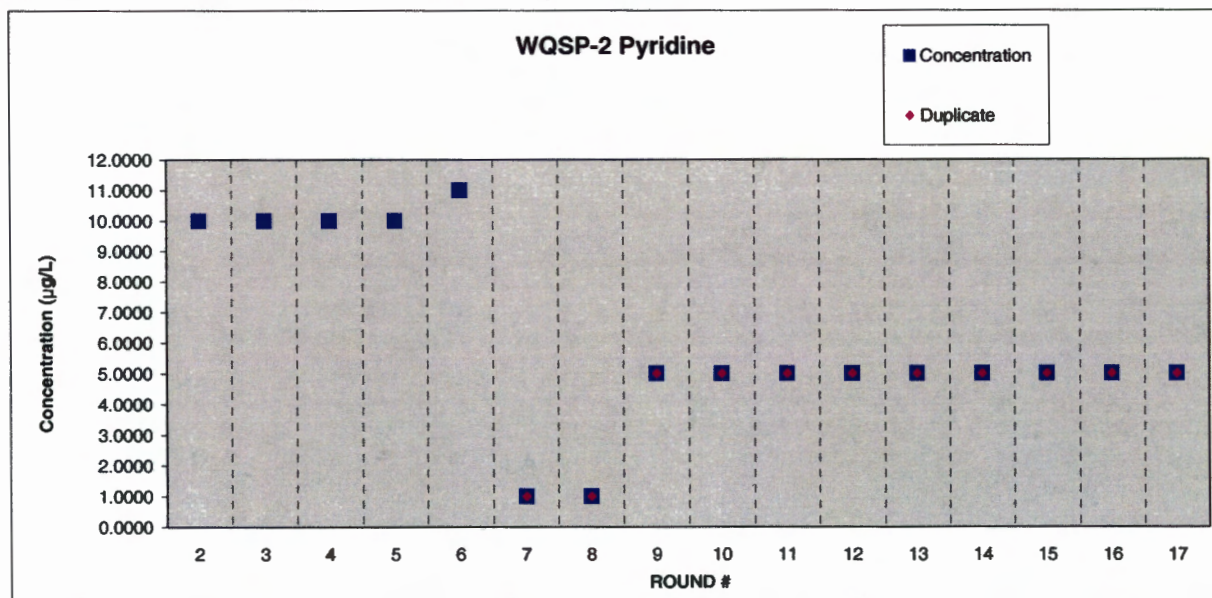
WQSP-2 Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	05/14/96	04/25/96
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	08/21/96	08/08/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
87-86-5	PENTACHLOROPHENOL	< 11.0000		ug/L	10.0000			< 10.0000	6	04/21/98	04/15/98
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	10.0000			< 5.0000	7	08/25/98	08/12/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	08/15/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



WQSP-2 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/14/96	04/25/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/21/96	08/08/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/08/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/07/97
110-86-1	PYRIDINE	< 11.0000		ug/L	11.0000			< 11.0000	6	04/21/98	04/15/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	08/25/98	08/12/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	03/18/99	03/17/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	09/20/99	09/15/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/15/00	03/21/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				11	09/25/00	09/20/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				12	03/20/01	03/14/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	09/24/01	09/19/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	03/22/02	03/20/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/08/02	09/18/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	03/28/03	03/19/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	09/25/03	09/17/03



APPENDIX 3

ANALYTICAL RESULTS WELL WQSP-3

SUMMARY FOR WQSP-3, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-3 is located approximately one mile north northeast of the center of the WIPP site 96 FSL and 2162 FEL in Section 16, T22S, R31E in Eddy County, New Mexico. The surface elevation at WQSP-3 is 3478 feet above mean sea level. The Top of Casing elevation at WQSP-3 is 3480 feet above mean sea level. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP site. Well WQSP-3 was drilled between October 20 and 26, 1994 to a total depth of 880 ft below ground surface (bgs). The borehole was drilled through the Culebra and extends 10.0 feet into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 833 ft bgs using compressed air as the drilling media. The interval from 833 to 880 ft bgs (the total depth) was drilled using air mist with a foaming agent as the drilling media. WQSP-3 was drilled to 833 ft bgs using a 9-7/8 inch drill bit and was cored from 833 to 879 ft bgs using a 5¼ inch core bit to cut a 4 inch diameter core. After coring WQSP-3 was reamed to 9-7/8 inch diameter to the total depth of 880 ft bgs. WQSP-3 was cased with 5 inch O.D. and 4.33 inch ID fiber glass casing from the surface to 845 ft bgs. Slotted 0.020 well screen casing was placed across the Culebra interval from 845 to 870 feet bgs, a 10 ft blank casing was installed below the screened interval from 870 to 880 ft bgs to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-3 is 844 to 870 based on interpretation of the core logs. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 830 ft BGS, fine grain sand pack was then installed from 830 to 827 ft BGS. A bentonite seal was placed above the sand pack to 797-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-3 on September 28, 1999. The system consists of a model 10S30-34 Grundfos submersible pump retro-fitted with Kynar seals and a 3 phase 230 volt AC 3 horse power submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the top of the pump to enable monitoring of the formation pressures in the wellbore during sampling. The standing water level was measured at 467.06 ft BTOC just prior to beginning the purging and sampling process. The well was purged for 50 hours at an average pumping rate of 0.36 gallons per minute (gpm).

Three serial samples were collected. The first sample was collected on 09/29/03 after approximately 127 gallons of water were pumped. The second sample was collected on 09/30/03 after 533 gallons were pumped. The third serial sample and final samples were collected on 10/01/03 after approximately 958 gallons of

water (approximately 3 well bore volumes)¹ had been pumped from the well. Samples were collected for Trace Analysis, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. Hold samples were collected for the WIPP project in the event that additional water would be needed for analysis. Samples were also collected for the WIPP lab for radiological analysis. EEG was not on site to collect samples independently. Attachment A (Final Sample Checklist) lists samples, destination, preservatives, sample quantities, container type, sampling times, and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measured +296 mv, +319 mv, and +320 mv respectively.

pH measured 7.28 S.U., 7.14 S.U., and 7.14 S.U. respectively.

Temperature measured 22.1° C, 21.2° C, and 22.2° C respectively.

Specific gravity measured 1.145 @ 22.1° C, 1.146 @ 22.0°C, and 1.145 @ 22.0° C.

Conductivity measured 197,300, 198,000, and 195,800 µmhos/cm at 25° C for each of the serial samples.

Alkalinity measured 65.6 mg/l, 43.6 mg/l, and 53.1 mg/l respectively.

Chlorides measured 116,528 mg/l, 125,639 mg/l and 127,140 mg/l.

Divalent cations measured 271.0 mg/l, 268.8 mg/L, and 265.6 mg/l.

Total iron measured 0.27 mg/l, 0.17 mg/l, and 0.10 mg/l.

COMPARISON OF ROUND-17 RESULTS WITH PREVIOUS ROUNDS

The amount of water pumped prior to final sampling for previous rounds was 4,383, 1,859, 2,818, 1,613, 1,771, 1,458, 1,468, 1,516, 946, 1,340, 1,467, 1,851, 1,493, 1,095, 1,525 and 1,233 gallons of water respectively. The amount of water pumped prior to final sampling during Round-17 was 958 gallons. Data for final day serial sampling averages for alkalinity, chlorides, divalent cations and total iron are presented in the following table.

AVERAGE OF FINAL DAY RESULTS FOR BACKGROUND

Alkalinity	42.0 mg/l
Chloride	125,668 mg/l
Di-Cats	264.8 meq/l
Iron	0.05 mg/l

AVERAGE OF FINAL DAY FOR ROUND-17

Alkalinity	53.1 mg/l
Chloride	127,140 mg/l
Di-Cats	265.6 meq/l
Iron	0.10 mg/l

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

All parameter values for Serial Sample #3 with the exception of alkalinity and total iron were within the $\pm 5\%$ criteria. Because all values were within the range of values seen in past rounds and 3 well bore volumes had been purged from the well, the decision was made to final sample the well.

WQSP-3
ROUND 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/GWMP
SDG: 3100129
DATE: DECEMBER 2, 2003
R/A CONTROL: 6458/6459

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for sixteen miscellaneous samples received on October 1, 2003, under SDG 3100129.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

Michael T. Al 12/9/03
LABORATORY MANAGER: DATE

Brandi Richerson 12/9/03
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3100129

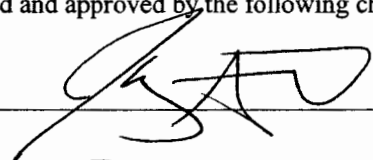
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WQ3CR17N2D	T18652
WQ3CR17N3	T18653
WQ3CR17N3D	T18654
WQ3CR17N4	T18655
WQ3CR17N4D	T18656
WQ3CR17N5	T18657
WQ3CR17N5D	T18658
WQ3CR17N6	T18659
WQ3CR17N6D	T18660
WQ3CR17N7	T18661
WQ3CR17N7D	T18662
WQ3CR17N8	T18663
WQ3CR17N8D	T18664

Signature Page

The data for Round 17 Well # 1 was reviewed and approved by the following chemists.

VOC's:

Johnny Gridstaff



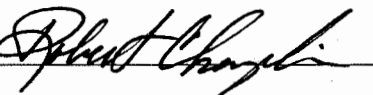
TOC's:

Robert Champlin



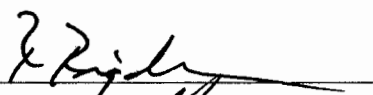
Semi-Volatiles:

Robert Champlin

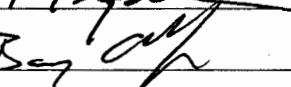


Metals:

Richard Rigdon

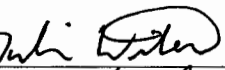


Barry Chaffin

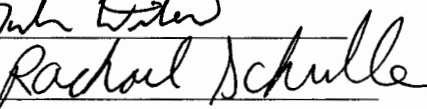


General Chemistry:

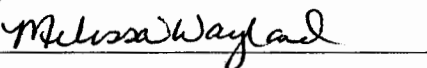
Julie Winters



Rachel Schulle



Melissa Wayland



Cation-Anion Balance Sheet

Sample #

WQSP # 3

Date:

12/9/2003

Cations

	ppm	meq/L
Calcium	1280	63.872
Magnesium	2070	170.3403
Sodium	67000	2914.5
Potassium	1900	48.602

Total Cations

3197.3143 in meq/L

Anions

	ppm	meq/L
Alkalinity	36	0.72
Sulfate	7670	159.6894
Chloride	126000	3554.46
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

3714.8694 in meq/L

Percentage Error

14.975155 %

(needs to be <10%)

OTHER INFORMATION

TDS	232000
EC	169000

Measure EC and Cation Sums	319731.43	Range should be:	152100	to	185900
Measure EC and Anion Sums	371486.94	Range should be:	152100	to	185900
Calculated TDS/Conductivity	1.3727811	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.725609	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.6245172	Range should be:	0.55	to	0.77

Analyses are within range of historical data eventhough percent error is out of range.

SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3100129

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50	Specific Gravity Worksheet
51	Nitrate Worksheet
52	pH Worksheet
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80	TOTAL PAGES

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/01/03

WIPP Round No. 17

WIPP Well No. 3

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ3CR17N8	T18663		Alkalinity	36.0		10/7/03	SM 2320 B	4.0
WQ3CR17N8	T18663	7782-50-5	Chloride	126000		10/2/03	300.0	1.0
WQ3CR17N8	T18663		Density	1.13		10/2/03	ASTM D 854-92	N/A
WQ3CR17N8	T18663	7727-37-9	Nitrate (as N)	0.100	U	10/2/03	353.3	0.10
WQ3CR17N8	T18663		pH	7.00		10/1/03	150.1	4-10
WQ3CR17N8	T18663		Conductivity	169000		10/7/03	SM2510B	N/A
WQ3CR17N8	T18663		Sulfate	7670		10/2/03	300.0	1.0
WQ3CR17N8	T18663		Total Dissolved Solids (TDS)	232000		10/7/03	160.1	10
WQ3CR17N5	T18657		Total Organic Carbon (TOC)	17.9		10/2/03	415.1	1.0
WQ3CR17N4	T18655		Total Organic Halogen (TOX)	5.6		10/7/03	5320B/9020A	0.005
WQ3CR17N8	T18663		Total Suspended Solids (TSS)	1.00	U	10/8/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/01/03

WIPP Round No.	<u>17</u>
WIPP Well No.	<u>3</u>

Concentration Units (mg/L or mg/Kg dry weight):

mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ3CR17N5	T18657		Total Organic Carbon (TOC)	1.0	U	1/7/04	415.1	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOC reran for confirmation.

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/01/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. 17

WIPP Well No. 3

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ3CR17N8D	T18664		Alkalinity	34.0		10/7/03	SM 2320 B	4.0
WQ3CR17N8D	T18664	7782-50-5	Chloride	134000		10/2/03	300.0	1.0
WQ3CR17N8D	T18664		Density	1.14		10/2/03	ASTM D 854-92	N/A
WQ3CR17N8D	T18664	7727-37-9	Nitrate (as N)	0.100	U	10/2/03	353.3	0.10
WQ3CR17N8D	T18664		pH	7.00		10/1/03	150.1	4-10
WQ3CR17N8D	T18664		Conductivity	196000		10/7/03	SM2510B	N/A
WQ3CR17N8D	T18664		Sulfate	7660		10/2/03	300.0	1.0
WQ3CR17N8D	T18664		Total Dissolved Solids (TDS)	227500		10/7/03	160.1	10
WQ3CR17N5D	T18658		Total Organic Carbon (TOC)	11.4		10/2/03	415.1	1.0
WQ3CR17N4D	T18656		Total Organic Halogen (TOX)	4.3		10/7/03	5320B/9020A	0.005
WQ3CR17N8D	T18664		Total Suspended Solids (TSS)	1.00	U	10/8/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/01/03

WIPP Round No.	<u>17</u>
WIPP Well No.	<u>3</u>

Concentration Units (mg/L or mg/Kg dry weight):

mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ3CR17N5D	T18658		Total Organic Carbon (TOC)	1.0	U	1/7/04	415.1	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOC reran for confirmation.

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Program: WIPP/DMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	36.0		34.0		6
Chloride	126000		134000		6
Density	1.13		1.14		1
Nitrate (as N)	0.100	U	0.100	U	0
pH	7.00		7.00		0
Conductivity	169000		196000		15
Sulfate	7670		7660		0
Total Dissolved Solids (TDS)	232000		227500		2
Total Organic Carbon (TOC)	17.9		11.4		44
Total Organic Halogen (TOX)	5.6		4.3		26
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSISSECTION I
Page 4A**DUPLICATE RPD****Lab Name:** TraceAnalysis, Inc.**SDG No.:** 3100129**Program:** WIPP/DMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Total Organic Carbon (TOC)	1.0	U	1.0	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>09/02/03</u>	<u>97500</u>	<u>108000</u>	<u>114000</u>	<u>118000</u>	<u>126000</u>		<u>113000</u>	<u>9.51</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>10/02/03</u>	<u>0.388</u>	<u>0.381</u>	<u>0.375</u>				<u>0.381</u>	<u>1.64</u>
<u>Sulfate</u>		<u>09/02/03</u>	<u>64900</u>	<u>71600</u>	<u>68900</u>	<u>74100</u>	<u>77700</u>		<u>71400</u>	<u>6.86</u>
<u>Total Organic Carbon (TOC)*</u>		<u>10/02/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

*TOC has a large y-intercept (due to lack of totally carbon free water) that prevents a good RSD value. If the blank was subtracted out then the RSD would be fine. The correlation is >0.995.

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	244	98
Chloride	7782-50-5	12.5	12.04	96
Nitrate (as N)	7727-37-9	0.160	0.137	86
pH		7.00	7.00	100
Conductivity		97097	92100	95
Sulfate		12.5	12.58	101
Total Dissolved Solids (TDS)		1000	997	100
Total Organic Carbon (TOC)		5.00	5.20	104
Total Organic Halogen (TOX)		5.00	5.30	106

Comments

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
<u>Total Organic Carbon (TOC)</u>	<u></u>	<u>5.00</u>	<u>5.75</u>	<u>115</u>

Comments

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	238	95
Chloride	7782-50-5	12.5	12.23	98
Nitrate (as N)	7727-37-9	0.160	0.172	108
pH		7.00	7.00	100
Conductivity		97097	92000	95
Sulfate		12.5	12.82	103
Total Dissolved Solids (TDS)		1000	990	99
Total Organic Carbon (TOC)		5.00	5.35	107
TOX		5.0	5.017	100
Comments				

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
<u>Total Organic Carbon (TOC)</u>	<u></u>	<u>5.00</u>	<u>5.75</u>	<u>115</u>

Comments

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	134000	62500	185721	83
7727-37-9	Nitrate (as N)	0.00	0.160	0.140	88
	Sulfate	13413	62500	73241	96
	Total Organic Carbon (TOC)	16.0	5.00	21.73	115

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	62500	187639	86	1
7727-37-9	Nitrate (as N)	0.160	0.132	83	6
	Sulfate	62500	73629	96	0
	Total Organic Carbon (TOC)	5.00	19.45	69	11

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
	Total Organic Carbon (TOC)	0.0	5.00	5.74	115

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
	Total Organic Carbon (TOC)	5.00	6.72	134	11

Forms by ChemSW™ (707)864-0846; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS

FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	12.32	99
7727-37-9	Nitrate (as N)	0.00	0.160	0.151	94
	Sulfate	0.00	12.5	12.99	104
	Total Organic Carbon (TOC)	0.00	5.00	5.68	114

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	12.25	98	1
7727-37-9	Nitrate (as N)	0.160	0.159	99	5
	Sulfate	12.5	12.91	103	1
	Total Organic Carbon (TOC)	5.00	5.27	105	7

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
	Total Organic Carbon (TOC)	0.00	5.00	4.99	100

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
	Total Organic Carbon (TOC)	5.00	5.11	102	7

Forms by ChemSW™ (707)864-0845; p/n11092; v6.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.140	1.140	0
	TDS	232000	225500	3
	TSS	<1.00	<1.00	0
	pH	7.00	7.00	0
	Conductivity	196000	194000	1
	Alkalinity	34	34	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOs/cm)	IPR1 CONC. FOUND (uMHOs/cm)	IPR2 CONC. FOUND (uMHOs/cm)	IPR3 CONC. FOUND (uMHOs/cm)	IPR4 CONC. FOUND (uMHOs/cm)	X (%)	S (%)
Conductivity	1412	1416	1424	1407	1404	100	9.07

Forms by ChemSW™ (707)864-0845;pln11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO ₃)	IPR1 CONC. FOUND (CaCO ₃)	IPR2 CONC. FOUND (CaCO ₃)	IPR3 CONC. FOUND (CaCO ₃)	IPR4 CONC. FOUND (CaCO ₃)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	2.58

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	12.28	12.21	12.27	12.25	98	0.031
Sulfate	12.5	12.28	12.28	12.28	12.34	98	0.030

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	1011	1006	1003	1010	101	3.70

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	0.160	0.155	0.171	0.166	0.166	103	0

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
pH	7.00	7.01	7.01	7.02	7.02	100	0.01

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:33</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:44</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:58</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>18:09</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.000	4.992	5.001	5.237	5.177	102	0.124

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	5.23
Sulfate	5.00	5.76

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3100129

Page Numbers

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8	Interference Check (Form 2A)
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10	Spike Sample Recovery (Form 5A)
11	Matrix Sample Duplicate (Form 6)
12	LCS Duplicate (Form 6)
13	Laboratory Control Sample (Form 7)
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15	Instrument Detection Limits (Quarterly) (Form 10)
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20	Preparation Log (Form 13)
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77	TOTAL PAGES

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129WIPP Sample No.
WQ3CR17N7
WQ3CR17N7DLab Sample ID.
T18661
T18662

Were ICP interelement corrections applied?

Yes/No No

Were ICP backgrounds corrections applied?

Yes/No YesIf yes-were raw data generated before
application of background corrections?Yes/No Yes

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Date:

Michael T. Al
12/1/03Name: Blair LeftwichTitle: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (soil/water): Water

Lab Sample ID: T18661

Date Received: 10/01/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/21/03		0.25	P
7440-38-2	Arsenic	0.1	U	10/21/03		0.1	P
7440-39-3	Barium	0.1	U	10/21/03		0.1	P
7440-41-7	Beryllium	0.010	U	10/21/03		0.010	P
7440-43-9	Cadmium	0.010	U	10/21/03		0.010	P
7440-47-3	Chromium	0.025	U	10/21/03		0.025	P
7439-89-6	Iron	0.500	U	10/21/03		0.500	P
7439-92-1	Lead	0.05	U	10/21/03		0.05	P
7439-97-6	Mercury	0.0002	U	10/16/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/21/03		0.05	P
7782-49-2	Selenium	0.140		10/21/03		0.025	P
7440-22-4	Silver	0.025	U	10/21/03		0.025	P
7440-28-0	Thallium	0.271		10/21/03		0.025	P
7440-62-2	Vanadium	0.050	U	10/21/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (soil/water): Water

Lab Sample ID: T18661

Date Received: 10/01/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1280		10/07/03		0.5	P
7439-95-4	Magnesium	2070		10/07/03		0.5	P
7440-09-7	Potassium	1900		10/07/03		0.5	P
7440-23-5	Sodium	67000		12/08/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ3CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (soil/water): Water

Lab Sample ID: T18662

Date Received: 10/01/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/21/03		0.25	P
7440-38-2	Arsenic	0.1	U	10/21/03		0.1	P
7440-39-3	Barium	0.1	U	10/21/03		0.1	P
7440-41-7	Beryllium	0.010	U	10/21/03		0.010	P
7440-43-9	Cadmium	0.010	U	10/21/03		0.010	P
7440-47-3	Chromium	0.025	U	10/21/03		0.025	P
7439-89-6	Iron	0.500	U	10/21/03		0.500	P
7439-92-1	Lead	0.05	U	10/21/03		0.05	P
7439-97-6	Mercury	0.0002	U	10/16/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/21/03		0.05	P
7782-49-2	Selenium	0.134		10/21/03		0.025	P
7440-22-4	Silver	0.025	U	10/21/03		0.025	P
7440-28-0	Thallium	0.158		10/21/03		0.025	P
7440-62-2	Vanadium	0.05	U	10/21/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (soil/water): Water

Lab Sample ID: T18662

Date Received: 10/01/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1300		10/07/03		0.5	P
7439-95-4	Magnesium	1960		10/07/03		0.5	P
7440-09-7	Potassium	1920		10/07/03		0.5	P
7440-23-5	Sodium	67800		12/08/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	1280		1300		2
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	2070		1960		5
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	1900		1920		1
Selenium	0.140		0.134		4
Silver	0.025	U	0.025	U	0
Sodium	67000		67800		1
Thallium	0.271		0.158		53
Vanadium	0.050	U	0.050	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	1.00	1.02	102	1.00	1.06	106			P
Arsenic	1.00	1.01	101	1.00	1.06	106			P
Barium	1.00	1.05	105	1.00	1.07	107			P
Beryllium	1.00	1.04	104	1.00	1.08	108			P
Cadmium	1.00	1.06	106	1.00	1.08	108			P
Calcium	25	24.6	98	25	25.2	101			P
Chromium	1.00	1.05	105	1.00	1.08	108			P
Iron	1.00	1.08	108	1.00	1.12	112			P
Lead	1.00	0.980	98	1.00	0.973	97			P
Magnesium	25	24.3	97	25	25.7	103			P
Mercury	0.001	0.00101	101	0.001	0.00107	107			CV
Nickel	1.00	1.02	102	1.00	1.03	103			P
Potassium	25	24.1	96	25	25.8	103			P
Selenium	1.00	1.05	105	1.00	1.05	105			P
Silver	0.125	0.128	102	0.125	0.131	105			P
Sodium	25	25.5	102	25	24.8	99			P
Thallium	1.00	1.03	103	1.00	1.07	107			P
Vanadium	1.00	1.01	101	1.00	1.03	103			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	1.04	104
Arsenic	N/A	N/A	N/A	1.00	1.08	108
Barium	N/A	N/A	N/A	0.300	0.341	114
Beryllium	N/A	N/A	N/A	0.100	0.1060	106
Cadmium	N/A	N/A	N/A	0.300	0.353	118
Cromium	N/A	N/A	N/A	N/A	N/A	N/A
Iron	N/A	N/A	N/A	0.300	0.339	113
Lead	N/A	N/A	N/A	1.00	1.13	113
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.330	110
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.579	116
Silver	N/A	N/A	N/A	0.300	0.350	117
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.240	124
Vanadium	N/A	N/A	N/A	0.300	0.353	118

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115
Fe spiked at a level of >112 to show no interference problems.

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ3CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.30	0.25	U 1.25	104		P
Arsenic	75-125	1.92	0.1	U 2.5	77		P
Barium	75-125	5.90	0.1	U 5	118		P
Beryllium	75-125	0.0840	0.010	U 0.125	67	N	P
Cadmium	75-125	0.946	0.010	U 1.25	76		P
Calcium	75-125	1730	1280	500	90		P
Chromium	75-125	0.403	0.025	U 0.5	81		P
Iron	75-125	1.72	0.5	U 2.5	69	N	P
Lead	75-125	2.34	0.05	U 2.5	94		P
Magnesium	75-125	2520	2070	500	90		P
Mercury	75-125	0.00078	0.0002	U 0.001	78		CV
Nickel	75-125	0.880	0.05	U 1.25	70	N	P
Potassium	75-125	2780	1900	500	176	N	P
Selenium	75-125	2.05	0.140	2.5	76		P
Silver	75-125	0.849	0.025	U 0.625	136	N	P
Sodium	75-125	70800	67000	500	760		P
Thallium	75-125	2.72	0.271	2.5	98		P
Vanadium	75-125	1.08	0.050	U 1.25	86		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ3CR17N7

SDG No.: 3100129

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	1.30		1.28		2		P
Arsenic	25	1.92		1.83		5		P
Barium	25	5.90		5.78		2		P
Beryllium	25	0.0840		0.0830		1		P
Cadmium	25	0.946		0.860		10		P
Calcium	25	1730		1670		4		P
Chromium	25	0.403		0.398		1		P
Iron	25	1.72		1.66		4		P
Lead	25	2.34		2.11		10		P
Magnesium	25	2520		2490		1		P
Mercury	25	0.00078		0.00078		0		CV
Nickel	25	0.880		0.901		2		P
Potassium	25	2780		2730		2		P
Selenium	25	2.05		1.98		3		P
Silver	25	0.849		0.763		11		P
Sodium	25	70800		69100		2		P
Thallium	25	2.72		2.58		5		P
Vanadium	25	1.08		1.07		1		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ3CR17N7

SDG No.: 3100129

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.276		0.256		8		P
Arsenic	25	0.499		0.523		5		P
Barium	25	1.03		1.05		2		P
Beryllium	25	0.0249		0.0250		0		P
Cadmium	25	0.263		0.266		1		P
Calcium	25	92.8		95.1		2		P
Chromium	25	0.105		0.107		2		P
Iron	25	0.413		0.416		1		P
Lead	25	0.437		0.470		7		P
Magnesium	25	93.6		96.0		3		P
Mercury	25	0.00098		0.00099		1		CV
Nickel	25	0.244		0.250		2		P
Potassium	25	94.1		98.3		4		P
Selenium	25	0.514		0.508		1		P
Silver	25	0.124		0.123		1		P
Sodium	25	101		104		3		P
Thallium	25	0.544		0.577		6		P
Vanadium	25	0.265		0.271		2		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Solid LCS Source: _____

Aqueous LCS Source: ME082802-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	0.25	0.276	110					
Arsenic	0.50	0.499	100					
Barium	1.00	1.03	103					
Beryllium	0.025	0.0249	100					
Cadmium	0.25	0.263	105					
Calcium	100	92.8	93					
Chromium	0.10	0.105	105					
Iron	0.50	0.413	83					
Lead	0.50	0.437	87					
Magnesium	100	93.6	94					
Mercury	0.001	0.00098	98					
Nickel	0.25	0.244	98					
Potassium	100	94.1	94					
Selenium	0.50	0.514	103					
Silver	0.125	0.124	99					
Sodium	100	101	101					
Thallium	0.50	0.544	109					
Vanadium	0.25	0.265	106					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3100129

Page Numbers

<u>From</u>	<u>Document Description</u>
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11	Water Volatile LCS/LCSD Recovery (Form 3A)
12	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
13	Volatile Method Blank Summary (Form 4A)
14	Volatile Organic Instrument Performance Check (Form 5A)
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21	Volatile Raw Data
137	TOTAL PAGES

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N1

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Matrix: (soil/water) WaterLab Sample ID: T18649Sample wt/vol: 5 (g/mL) mLLab File ID: 1201012.DGC Column: DB-624 60mDate Received: 10/01/03Dilution Factor: 1Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N1D

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Matrix: (soil/water) WaterLab Sample ID: T18650Sample wt/vol: 5 (g/mL) mLLab File ID: 1301013.DGC Column: DB-624 60mDate Received: 10/01/03Dilution Factor: 1Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix: (soil/water) Water

Lab Sample ID: T18651

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1401014.D

GC Column: DB-624 60m

Date Received: 10/01/03

Dilution Factor: 1

Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1-----	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix: (soil/water) Water

Lab Sample ID: T18652

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1501015.D

GC Column: DB-624 60m

Date Received: 10/01/03

Dilution Factor: 1

Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N3

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix: (soil/water) Water

Lab Sample ID: T18653

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1601016.D

GC Column: DB-624 60m

Date Received: 10/01/03

Dilution Factor: 1

Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N3D

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Matrix: (soil/water) WaterLab Sample ID: T18654Sample wt/vol: 5 (g/mL) mL Lab File ID: 1701017.DGC Column: DB-624 60m Date Received: 10/01/03Dilution Factor: 1 Date Analyzed: 10/07/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3100129

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3100129

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3100129

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	100	100	96		0
02	LCS	99	104	95		0
03	LCSD	100	103	95		0
04	T18649	94	91	95		0
05	MS	98	92	99		0
06	MSD	97	91	100		0
07	T18650	97	91	96		0
08	T18651	97	90	97		0
09	T18652	97	92	98		0
10	T18653	101	100	97		0
11	T18654	100	100	99		0

SMC1 (TOL) = Toluene-d8

SMC2 (BFM) = 4-Bromofluoromethane

SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS

(70-130)

(70-130)

(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	94	94		70-130
Trichloroethene	100	0	99	99		70-130
Benzene	100	0	102	102		70-130
Toluene	100	0	100	100		70-130
Chlorobenzene	100	0	102	102		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	93	93		1		14	70-130
Trichloroethene	100	98	98		1		13	70-130
Benzene	100	101	101		1		14	70-130
Toluene	100	99	99		1		13	70-130
Chlorobenzene	100	101	101		1		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A

WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Matrix Spike - WIPP Sample No.: WQ3CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	100	100		70-130
Trichloroethene	100	0	96	96		70-130
Benzene	100	0	104	104		70-130
Toluene	100	0	97	97		70-130
Chlorobenzene	100	0	98	98		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	97	97		3		14	70-130
Trichloroethene	100	94	94		2		13	70-130
Benzene	100	103	103		1		14	70-130
Toluene	100	96	96		1		13	70-130
Chlorobenzene	100	98	98		0		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ3CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID: 1101011.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 10/06/03

Time Analyzed: 23:55

GC Column: J&W Scientific DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	0801008.D	22:03
02	LCSD	LCSD	0901009.D	22:40
03	WQ3CR17N1	T18649	1201012.D	12:32
04	MS	MS	1901019.D	04:53
05	MSD	MSD	2001020.D	05:30
06	WQ3CR17N1D	T18650	1301013.D	01:09
07	WQ3CR17N2	T18651	1401014.D	01:47
08	WQ3CR17N2D	T18652	1501015.D	02:24
09	WQ3CR75N3	T18653	1601016.D	03:01
10	WQ3CR17N3D	T18654	1701017.D	03:39
11	CCV	CCV	0201002.D	18:20

COMMENTS:

5A

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Lab File ID: 0101001.DBFB Injection Date: 10/06/03Instrument ID: NVBFB Injection Time: 18:04

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.1
75	30.0 - 66.0% of mass 95	47.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3
174	50.0 - 120.0% of mass 95	84.1
175	4.0 - 9.0% of mass 174	7.3
176	93.0 - 101.0% of mass 174	98.1
177	5.0 - 9.0% of mass 176	6.7

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	0201002.D	10/06/03	18:20
02	Blank	Blank	1101011.D	10/06/03	23:55
03	LCS	LCS	0801008.D	10/06/03	22:03
04	LCSD	LCSD	0901009.D	10/06/03	22:40
05	WQ3CR17N1	T18649	1201012.D	10/07/03	12:32
06	MS	MS	1901019.D	10/07/03	04:53
07	MSD	MSD	2001020.D	10/07/03	05:30
08	WQ3CR17N1D	T18650	1301013.D	10/07/03	01:09
09	WQ3CR17N2	T18651	1401014.D	10/07/03	01:47
10	WQ3CR17N2D	T18652	1501015.D	10/07/03	02:24
11	WQ3CR75N3	T18653	1601016.D	10/07/03	03:01
12	WQ3CR17N3D	T18654	1701017.D	10/07/03	03:39

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATALab Name: TraceAnalysis, Inc.SDG No.: 3100129Instrument ID: NVCalibration Date(s): 09/21/03Heated Purge:(Y/N) NCalibration Times: 19:28GC Column: J&W Scientific
DB-624 60mID: 0.25 (mm)

LAB FILE ID: RRF1 = 0201002.D RRF5 = 0301003.D
 RRF10 = 0401004.D RRF50 = 0501005.D RRF100 = 0601006.D
 RRF150 = 0801008.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.388	0.431	0.400	0.403	0.412	0.413	0.407	3.23
Trichlorofluoromethane	0.625	0.724	0.684	0.658	0.653	0.661	0.664	4.73
1,1-Dichloroethene	0.436	0.437	0.420	0.429	0.429	0.427	0.427	1.82
Methylene Chloride		0.584	0.525	0.470	0.472	0.470	0.496	10.01
1,1-Dichloroethane	0.787	0.816	0.847	0.873	0.892	0.876	0.844	4.61
1,2-Dichloroethane	0.625	0.639	0.638	0.662	0.681	0.684	0.657	3.51
Chloroform	0.793	0.816	0.802	0.815	0.827	0.818	0.809	1.64
1,1,1-Trichloroethane	0.564	0.578	0.635	0.689	0.717	0.731	0.661	10.44
Carbon Tetrachloride	0.228	0.237	0.289	0.350	0.378	0.392	0.322	21.82
Trichloroethene	0.282	0.293	0.281	0.291	0.290	0.288	0.287	1.82
Toluene	1.266	1.244	1.191	1.215	1.195	1.173	1.201	3.96
1,1,2-Trichloroethane	0.239	0.255	0.291	0.256	0.259	0.258	0.252	2.64
Tetrachloroethene	0.364	0.401	0.397	0.408	0.381	0.414	0.400	5.88
Chlorobenzene	0.816	0.852	0.822	0.837	0.849	0.823	0.827	2.52
m&p-Xylene	1.061	1.129	1.119	1.141	1.132	1.096	1.103	3.50
o-Xylene	1.041	1.176	1.156	1.160	1.155	1.119	1.123	4.80
1,1,2,2-Tetrachloroethane	0.319	0.341	0.357	0.373	0.377	0.380	0.359	6.18
1,4-Dichlorobenzene	1.160	1.142	1.116	1.163	1.176	1.142	1.140	2.73
1,2-Dichlorobenzene	0.985	1.055	1.070	1.126	1.147	1.115	1.082	5.03
Toluene-d8	1.283	1.298	1.291	1.291	1.306	1.314	1.300	0.94
4-Bromofluorobenzene	0.479	0.490	0.482	0.487	0.499	0.499	0.491	1.76
Dibromofluoromethane	0.469	0.474	0.481	0.479	0.480	0.472	0.475	1.00

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Instrument ID: NV

Calibration Date(s): 3/27/02

Heated Purge:(Y/N) N

Calibration Times: 0:35

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50= 0601006.D RRF100= 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Instrument ID: NVCalibration Date: 09/21/03Lab File ID: 0201002.DInit. Calib. Date(s): 10/06/03Heated Purge: (Y/N) NInit. Calib. Times: 18:20GC Column: J&W ScientificDB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.407	0.392	0.100	3.7	25.0
Trichlorofluoromethane	0.664	0.642		3.3	
1,1-Dichloroethene (CM)	0.427	0.448	0.100	-4.9	25.0
1,2-Dichloroethene (P)	0.496	0.513		-3.4	
cis-1,2-Dichloroethene	0.844	0.886	0.200	-5.0	25.0
1,2-Dichloroethane	0.478	0.504		-5.4	
Chloroform	0.657	0.703	0.100	-7.0	25.0
1,1,1-Trichloroethane	0.809	0.845	0.200	-4.4	25.0
Carbon Tetrachloride	0.661	0.715	0.100	-8.2	25.0
Trichloroethene	0.322	0.387	0.100	-20.2	25.0
Toluene	0.287	0.308	0.300	-7.3	25.0
1,1,2-Trichloroethane	1.201	1.244	0.400	-3.6	25.0
Tetrachloroethene	0.252	0.268	0.100	-6.3	25.0
Chlorobenzene	0.400	0.325	0.200	18.8	25.0
m,p-Xylene	0.827	0.882	0.500	-6.7	25.0
o-Xylene	1.103	1.192		-8.1	
1,1,2,2-Tetrachloroethane	1.123	1.223		-8.9	
1,4-Dichlorobenzene	0.359	0.405	0.500	-12.8	25.0
1,2-Dichlorobenzene	1.140	1.171		-2.7	
Toluene-d8]	1.082	1.167		-7.9	
4-Bromofluorobenzene	1.300	1.285	0.200	1.2	25.0
Dibromofluoromethane	0.491	0.517	0.100	-5.3	25.0
	0.475	0.476		-0.2	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

Forms by Chem(707)864-0845; p/n11014; v3.2; 11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Instrument ID: NV Calibration Date: 03/27/03

Lab File ID: 1001010.D Init. Calib. Date(s): 10/06/03

Heated Purge: (Y/N) N Init. Calib. Times: 18:20

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.023	0.010	-4.5	25.0
Toluene-d8			0.200		25.0
4-Bromofluorobenzene			0.100		25.0
Dibromofluoromethane					

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID (Standard): 0201002.D

Date Analyzed: 10/06/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 18:20

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	538488	10.77	820179	11.77	740498	15.78	400250	19.20
UPPER LIMIT	1076976	11.27	1640358	12.27	1480996	16.28	800500	19.70
LOWER LIMIT	269244	10.27	410090	11.27	370249	15.30	200125	18.72
LAB SAMPLE NO.								
METHOD BLK	639268	10.77	975836	11.79	861377	15.78	409040	19.20
LCS	647381	10.77	980305	11.77	884786	15.78	441365	19.20
LCSD	659087	10.77	997202	11.77	893306	15.78	435627	19.20
T18649	632178	10.77	967458	11.78	856458	15.78	356235	19.22
MS								
MSD								
T18650	625720	10.77	954903	11.77	837954	15.78	357999	19.22
T18653	583150	10.77	895728	11.78	790856	15.78	369454	19.22
T18654	562855	10.77	869970	11.79	775887	15.78	358637	19.22

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.SDG No.: 3100129Lab File ID (Standard): 1001010.DDate Analyzed: 10/06/03Instrument ID: NV
J&W ScientificTime Analyzed: 11:18GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	670680	10.77	1018045	11.78	896455	15.78	422714	19.22
UPPER LIMIT	1341360	11.27	2036090	12.28	1792910	16.28	845428	19.72
LOWER LIMIT	335340	10.27	509023	11.28	448228	15.30	211357	18.72
LAB SAMPLE NO.								
METHOD BLK	639268	10.77	975836	11.79	861377	15.78	409040	19.20
T18651	617150	10.77	951672	11.78	829051	15.78	348284	19.22
T18652	593484	10.77	920752	11.78	811959	15.78	341262	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3100129

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N6

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix: (soil/water) Water

Lab Sample ID: T18659

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 1001010.d

% Moisture: NA decanted:(Y/N) N

Date Received: 10/01/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/02/03

Injection Volume: 1.0 (uL)

Date Analyzed: 10/03/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
---------	----------	---	------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ3CR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix: (soil/water) Water

Lab Sample ID: T18660

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 1301013.d

% Moisture: NA decanted:(Y/N) N

Date Received: 10/01/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/02/03

Injection Volume: 1.0 (uL)

Date Analyzed: 10/03/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	78	82	94	37	47	77	0
02	LCS	79	86	100	34	50	104	0
	LCSD	89	86	100	35	50	103	0
	T18659	72	65	75	42	41	49	0
05	MS	89	79	99	52	49	80	0
06	MSD	88	80	100	50	50	81	0
07	T18660	84	75	89	47	48	57	0

S1 (NBZ) = Nitrobenzene-d5	QC LIMITS
S2 (FBP) = 2-Fluorobiphenyl	(7-138)
S3 (TPH) = Terphenyl-d14	(15-135)
S4 (PHL) = Phenol-d5	(45-162)
S5 (2FP) = 2-Fluorophenol	(0-67.6)
S6 (TBP) = 2,4,6-Tribromophenol	(0-94)
	(45-152)

Column to be used to flag recovery values

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix Spike - WIPP Sample No.:

MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Pyridine	80000	0	23700	30		D-63
1,4-Dichlorobenzene	80000	0	78600	98	*	25-88
1,2-Dichlorobenzene	80000	0	79800	100		26-115
2-Methylphenol	80000	0	73100	91		19-91
4-Methylphenol/3-Methylphenol	80000	0	81200	102		22-119
Hexachloroethane	80000	0	76800	96		20-101
Nitrobenzene	80000	0	80200	100		18-150
2,4-Dinitrophenol	80000	0				12-145
2,4-Dinitrotoluene	80000	0	86100	108		25-130
Hexachlorobenzene	80000	0	109000	136		D-152
Pentachlorophenol	80000	0	30900	39		D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD REC.
Pyridine	80000	23000	29		3	20	D-63
1,4-Dichlorobenzene	80000	78000	98		1	20	25-88
1,2-Dichlorobenzene	80000	80100	100		0	20	26-115
2-Methylphenol	80000	70400	88		4	20	19-91
4-Methylphenol/3-Methylphenol	80000	76900	96		5	20	22-119
Hexachloroethane	80000	76600	96		0	20	20-101
Nitrobenzene	80000	80800	101		1	20	18-150
2,4-Dinitrophenol	80000					20	12-145
2,4-Dinitrotoluene	80000	88000	110		2	20	25-130
Hexachlorobenzene	80000	108000	135		1	20	D-152
Pentachlorophenol	80000	32700	41		6	20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

REMARKS Pyridine not spiked due to prep error. LCS/LCSD shows extraction within control.

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC	#	QC. LIMITS REC.
Pyridine	80000	0	17300	22		D-63
1,4-Dichlorobenzene	80000	0	77200	97	*	25-88
1,2-Dichlorobenzene	80000	0	81100	101		26-115
2-Methylphenol	80000	0	64300	80		19-91
4-Methylphenol/3-Methylphenol	80000	0	60900	76		22-119
Hexachloroethane	80000	0	78400	98		20-101
Nitrobenzene	80000	0	75200	94		18-150
2,4-Dinitrophenol	80000	0	71400	89		12-145
2,4-Dinitrotoluene	80000	0	103000	129		25-130
Hexachlorobenzene	80000	0	107000	134		D-152
Pentachlorophenol	80000	0	75200	94		D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	18400	23		6		20	D-63
1,4-Dichlorobenzene	80000	77600	97		1		20	25-88
1,2-Dichlorobenzene	80000	81900	102		1		20	26-115
2-Methylphenol	80000	65400	82		2		20	19-91
4-Methylphenol/3-Methylphenol	80000	62300	78		2		20	22-119
Hexachloroethane	80000	78600	98		0		20	20-101
Nitrobenzene	80000	84800	106		12		20	18-150
2,4-Dinitrophenol	80000	71500	89		0		20	12-145
2,4-Dinitrotoluene	80000	102000	128		1		20	25-130
Hexachlorobenzene	80000	107000	134		0		20	D-152
Pentachlorophenol	80000	73800	92		2		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 9 out of 22 outside limits

REMARKS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID: 0301003.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 10/02/03

Matrix: (soil/water) Water

Date Analyzed: 10/02/03

Time Analyzed: 22:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	0401004.D	10/02/03
02	LCSD	LCSD	0501005.D	10/02/03
03	WQ3CR17N6	T18659	1001010.D	10/03/03
04	WQ3CR17N6MS	MS	1101011.D	10/03/03
05	WQ3CR17N6MSD	MSD	1201012.D	10/03/03
06	WQ3CR17N6D	T18660	1301013.D	10/03/03

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID: 0101001.D

DFTPP Injection Date: 10/02/03

Instrument ID: NS

DFTPP Injection Time: 21:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	55.9
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	43.0
70	Less than 2.0% of mass 69	0.7
127	25.0 - 75.0% of mass 198	44.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	25.2
365	Greater than 0.75% of mass 198	3.2
441	Present, but less than mass 443	77.9
442	40.0 - 110.0% of mass 198	88.7
443	15.0 - 24.0% of mass 442	19.4

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0201001.D	10/02/03	22:00
02	METHOD BLANK	METHOD BLANK	0301003.D	10/02/03	22:36
03	LCS	LCS	0401004.D	10/02/03	23:12
04	LCSD	LCSD	0501005.D	10/02/03	23:49
05	WQ3CR17N6	T18659	1001010.D	10/03/03	02:53
06	WQ3CR17N6MS	MS	1101011.D	10/03/03	03:30
07	WQ3CR17N6MSD	MSD	1201012.D	10/03/03	04:07
08	WQ3CR17N6D	T18660	1301013.D	10/03/03	04:44

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Instrument ID: NS Calibration Date(s): _____

Calibration Times: _____

LAB FILE ID:	RRF5 = 0201003.D	RRF20 = 0301004.D
RRF40 = 0501006.D	RRF60 = 0601007.D	RRF80 = 0701008.D
RRF100 = 0401005.D		

COMPOUND	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	* 1.589	1.581	1.401	1.390	1.369	1.454	1.464	6.68
1,4-Dichlorobenzene	* 1.507	1.545	1.476	1.470	1.422	1.486	1.484	2.76
1,2-Dichlorobenzene	* 1.429	1.439	1.361	1.355	1.302	1.383	1.378	3.69
2-Methylphenol	* 1.601	1.557	1.469	1.483	1.480	1.586	1.529	3.85
4-Methylphenol	* 1.676	1.619	1.517	1.512	1.518	1.565	1.568	4.28
Hexachloroethane	* 0.657	0.664	0.626	0.634	0.589	0.611	0.630	4.47
Nitrobenzene	* 0.432	0.414	0.393	0.405	0.398	0.422	0.411	3.61
2,4-Dinitrophenol			0.072	0.069	0.069	0.073	0.071	2.71
2,4-Dinitrotoluene	* 0.442	0.469	0.456	0.458	0.380	0.397	0.434	8.40
Hexachlorobenzene			0.212	0.218	0.211	0.195	0.209	4.77
Pentachlorophenol	* 0.159	0.174	0.177	0.186	0.183	0.205	0.181	8.43
Nitrobenzene-d5	0.430	0.433	0.477	0.432	0.423	0.445	0.440	4.37
2-Fluorobiphenyl	* 1.321	1.311	1.435	1.286	1.236	1.307	1.316	4.99
Terphenyl-d14	* 1.073	1.105	1.167	1.042	0.967	1.076	1.072	6.20
Phenol-d5	2.008	2.010	2.194	1.964	1.931	1.953	2.010	4.74
2-Fluorophenol	* 1.511	1.569	1.707	1.530	1.476	1.623	1.569	5.37
2,4,6-Tribromophenol	0.159	0.170	0.191	0.169	0.159	0.174	0.170	7.07

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Instrument ID: NS

Calibration Date: _____

Lab File ID: 0201001.D

Init. Calib. Date(s): _____

Init. Calib. Times: _____

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.309	1.393		-6.4	
1,4-Dichlorobenzene	1.596	1.597	0.500	-0.1	25.0
1,2-Dichlorobenzene	1.399	1.369		2.1	
2-Methylphenol	0.985	1.150	0.700	-16.8	25.0
4-Methylphenol	0.965	1.293	0.600	-34.0	25.0
Hexachloroethane	0.548	0.541	0.300	1.3	25.0
Nitrobenzene	0.420	0.411	0.200	2.1	25.0
2,4-Dinitrophenol	0.255	0.212		16.9	
2,4-Dinitrotoluene	0.419	0.381	0.200	9.1	25.0
Hexachlorobenzene	0.255	0.254	0.100	0.4	25.0
Pentachlorophenol	0.159	0.150	0.050	5.7	25.0
Nitrobenzene-d5	0.438	0.420	0.200	4.1	25.0
2-Fluorobiphenyl	1.605	1.394	0.700	13.1	25.0
Terphenyl-d14	1.028	0.848	0.500	17.5	25.0
Phenol-d5	1.363	1.469	0.800	-7.8	25.0
2-Fluorophenol	1.205	1.070	0.600	11.2	25.0
2,4,6-Tribromophenol	0.251	0.207		17.5	25.0

All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID (Standard): 0201001.D

Date Analyzed: 10/02/03

Instrument ID: NS

Time Analyzed: 22:00

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR ST	4081256	9.66	12452102	12.14	7846442	15.06
UPPER LIMIT	8162512	10.16	24904204	12.64	15692884	15.56
LOWER LIMIT	2040628	9.16	6226051	11.64	3923221	14.56
SAMPLE NO.						
01 method blan	874899	9.62	2704755 *	12.09	1125188	15.02
02 lcs	819544	9.63	2396991	12.10	1031158	15.02
03 lcsd	826300	9.63	2172751	12.10	1031625	15.02
04 T18659	870424	9.63	2241547	12.10	1286523	15.03
05 MS	869206	9.64	2160337	12.10	1332318	15.03
06 MSD	914843	9.63	2290587	12.11	1327778	15.03
07 T18660	982626	9.63	2474688	12.10	1407684	15.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3100129

Lab File ID (Standard): 0201001.D

Date Analyzed: 10/02/03

Instrument ID: NS

Time Analyzed: 22:00

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR ST	12842648	17.11	11790173	20.63	8959740	23.34
UPPER LIMIT	25685296	17.61	23580346	21.13	17919480	23.84
LOWER LIMIT	6421324	16.61	5895087	20.13	4479870	22.84
SAMPLE NO.						
01 method blan	2038140	17.07	1694516	20.57	1350926	23.24
02 lcs	2007686	17.08	1691209	20.58	1406739	23.27
03 lcsd	1994542	17.08	1696892	20.59	1420042	23.26
04 T18659	1968490	17.07	1763328	20.58	1468237	23.26
05 MS	2102049	17.08	1842591	20.59	1512404	23.28
06 MSD	2157247	17.08	1880925	20.59	1540745	23.27
07 T18660	2238238	17.07	1955577	20.58	1605827	23.26

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3100129

Page Numbers

<u>From</u>	<u>Document Description</u>
1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES

18649-64

REQUEST FOR ANALYSIS

RFA Control No. 6458C of C Control No. 6458

WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

DATE SAMPLES SHIPPED 10/01/03LAB DESTINATION Trace AnalysisLABORATORY CONTACT James TaylorSEND LAB REPORT TO Mark EdwardsP.O. Box 2078Carlsbad, N.M. 88221DATE REPORT REQUIRED 11/01/03PROJECT CONTACT Ron RichardsonPROJECT CONTACT PHONE NO. (505) 234-8395SAMPLING PROGRAM WIPP/DMPPURCHASE ORDER NO. 3230

Sample Number	Sample Type	Sample Quantity	Preservative	Req'd. Testing Program	Special Instructions
WQ3CR17N1	Ground Water	40 ml. x 4	HCL pH<2	VOC	Method 8260 18649
WQ3CR17N1A	↑	40 ml. x 4	↑	VOC	↑ 50
WQ3CR17N2		40 ml. x 2	↑	VOC (other)	↑ 51
WQ3CR17N2D		40 ml. x 2	↑	VOC (other)	↑ 52
WQ3CR17N3		40 ml. x 4	↓	VOC Trip Blank	↓ 53
WQ3CR17N3D		40 ml. x 4	HCL pH<2	VOC Trip Blank	Method 8260 54
WQ3CR17N4		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 55
WQ3CR17N4D		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 56
WQ3CR17N5		250 ml. x 1	HCL pH<2	TOC	Method 415.1 57
WQ3CR17N5D		250 ml. x 1	HCL pH<2	TOC	Method 415.1 58
WQ3CR17N6		1 liter x 6	NONE	Semi-Volatiles	Method 8270 59
WQ3CR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270 60
WQ3CR17N7	Ground Water	1 liter x 1	HNO3 pH<2	Metals	Method 6010 61

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY Steve MedinaDATE/TIME 10-01-03 12:45

WP 02-EM3001

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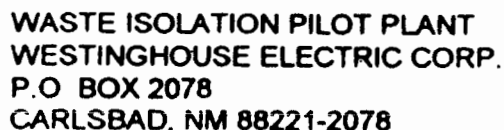
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PINK - Other

SECTION V
Page 1

NA

0100127
RFA Control No. 6459
C of C Control No. 6459



DATE SAMPLES SHIPPED 10/01/03
LAB DESTINATION Trace Analysis
LABORATORY CONTACT James Taylor
SEND LAB REPORT TO Mark Edwards
P.O. Box 2078
Carlsbad, N.M. 8822

SAMPLING PROGRAM WIPP/Amp
PURCHASE ORDER NO. 3230

DATE REPORT REQUIRED 11/01/03
PROJECT CONTACT Ron Richardson
PROJECT CONTACT PHONE NO. (505) 234-8395

[illegible]

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)
POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____
SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒

FOR LAB USE ONLY

RECEIVED BY

1/1 DATE/TIME 10-01-03 12:45

WP 02-EM3001

WHITE - Original, to accompany samples YELLOW - Field Copy PINK - Other

SECTION V
Page 2

CHAIN-OF-CUSTODY RECORD

3100129



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6458
RFA Control No. 6458

SAMPLING PROGRAM WIPP/AMP
SAMPLE TEAM MEMBERS B. Foster, M. Baldemama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ3CR17N1	WQSP-3, Culebra	10/01/03 07:00-07:05	Groundwater	40ml. A-Glass x4		
WQ3CR17N1D		07:05-07:10		40ml. A-Glass x4		
WQ3CR17N2		07:10-07:15		40ml. A-Glass x2		
WQ3CR17N2D		07:15-07:20		40ml. A-Glass x2		
WQ3CR17N3		06:45-06:50		40ml. A-Glass x4		
WQ3CR17N3D		06:50-06:55		40ml. A-Glass x4		
WQ3CR17N4		07:20-07:25		500ml. A-Glass x1		
WQ3CR17N4D		07:25-07:30		500ml. A-Glass x1		
WQ3CR17N5		07:30-07:35		250ml. A-Glass x1		
WQ3CR17N5D		07:35-07:40		250ml. A-Glass x1		
WQ3CR17N6		07:40-07:45		1 liter A-Glass x2		
WQ3CR17N6D		07:45-07:50		1 liter A-Glass x2		
WQ3CR17N7	WQSP-3, Culebra	10/01/03 07:50-07:55	Groundwater	1 liter plastic x1		

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 10/1/03, 08:20

3. Relinquished By: _____

Received By: Don Richardson/WRES/08:20-10-1-03

Received By: _____

2. Relinquished By: Don Richardson/WRES/10-01-03 12:45

4. Relinquished By: _____

Received By: Attila Medora 10-1-03 12:45

Received By: _____

1c copy

310012a



C of C Control No. 6459

RFA Control No. 6459

SAMPLING PROGRAM WIPP/ AMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

[illegible]

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 10/1/03, 08:20

3. Relinquished By: _____

Received By: Ron Richards WRES/08/20 - 10-01-03

Received By: _____

2. Relinquished By: Par Richards/WRES/10-01-03 12:45

4. Relinquished By: _____

Received By: Stella Medina 10-01-03 12:45

Received By: _____

WP 02-EM3001

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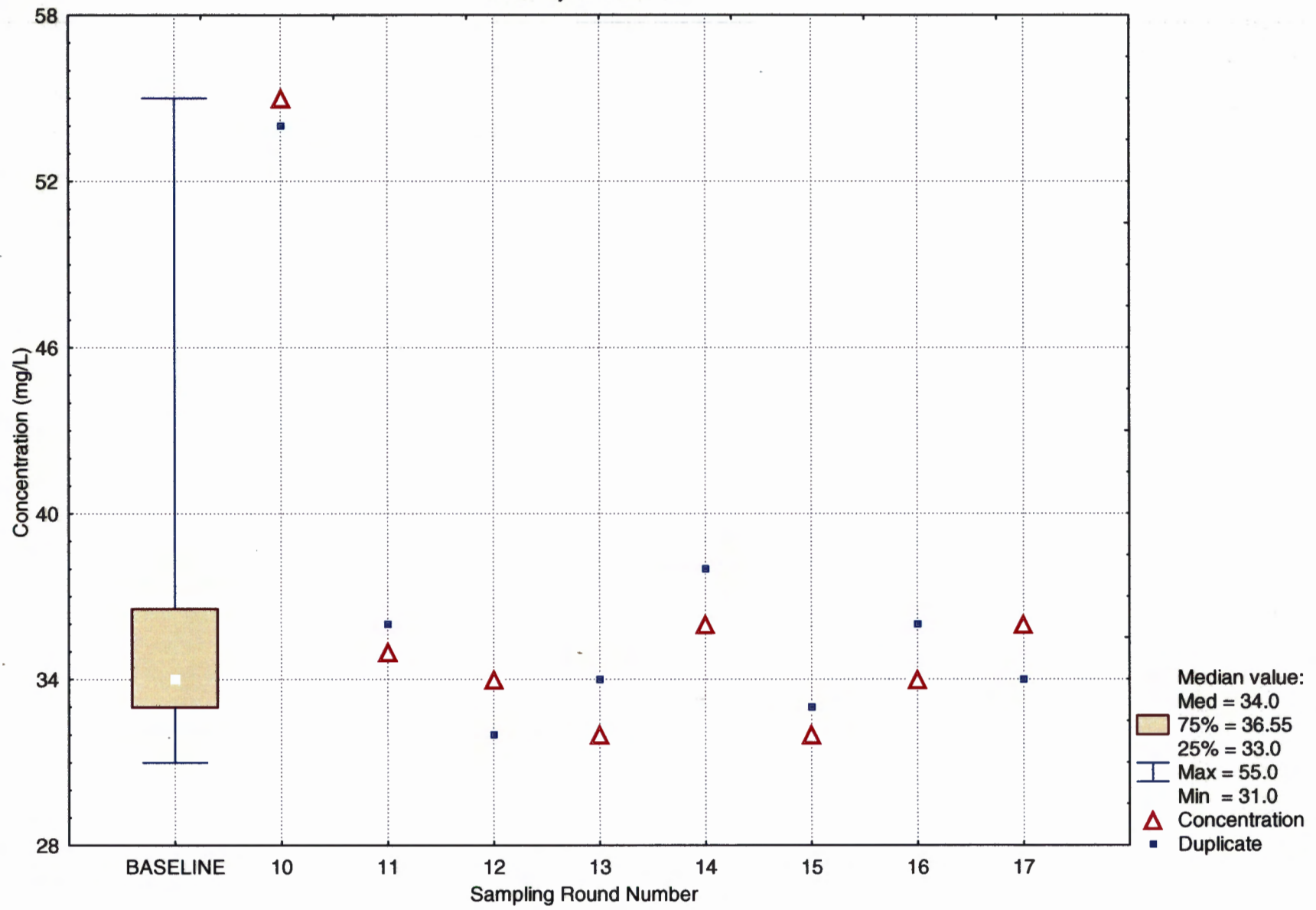
1/2 carry in

SECTION 1

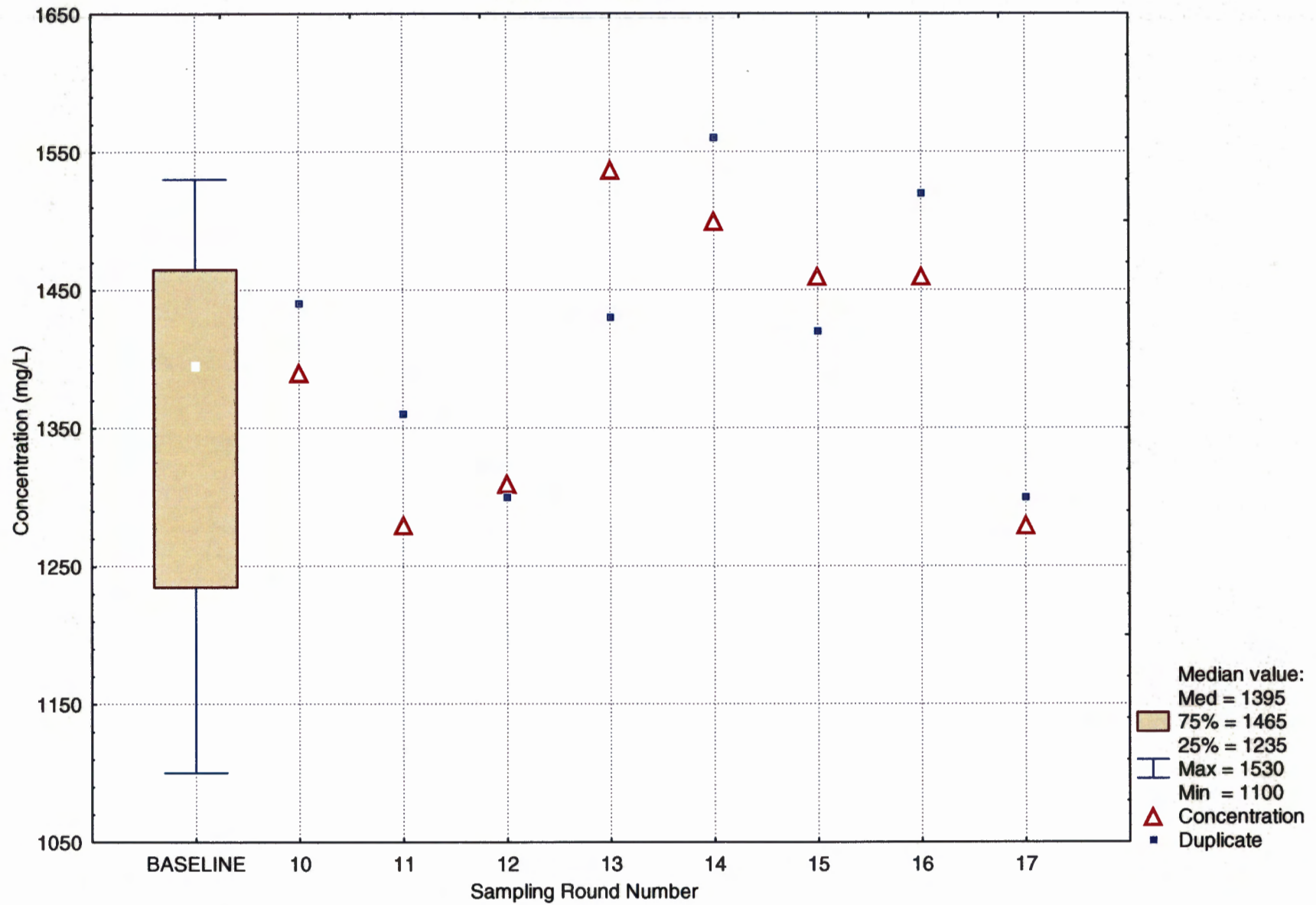
WELL WQSP-3

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

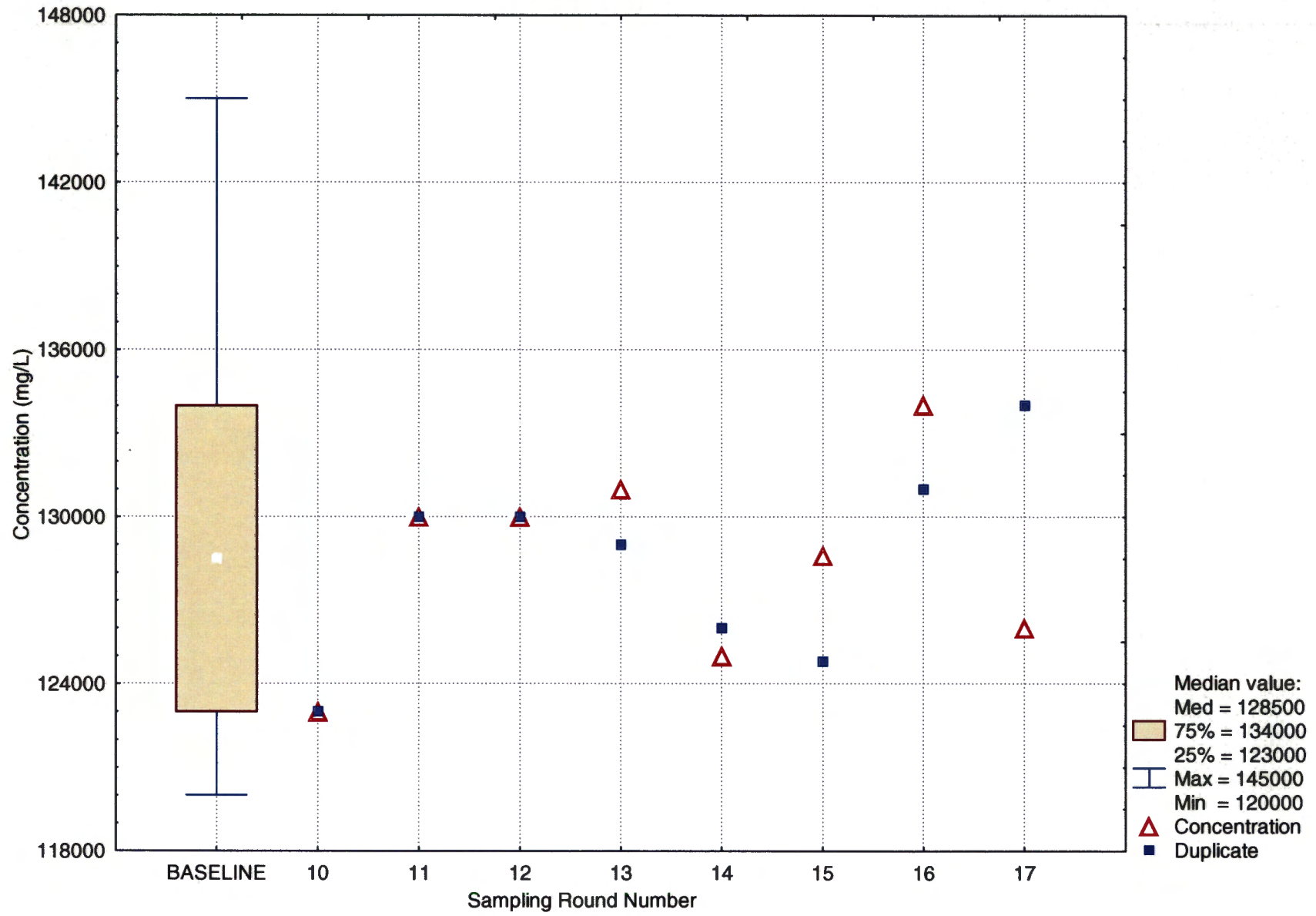
Alkalinity at WQSP-3



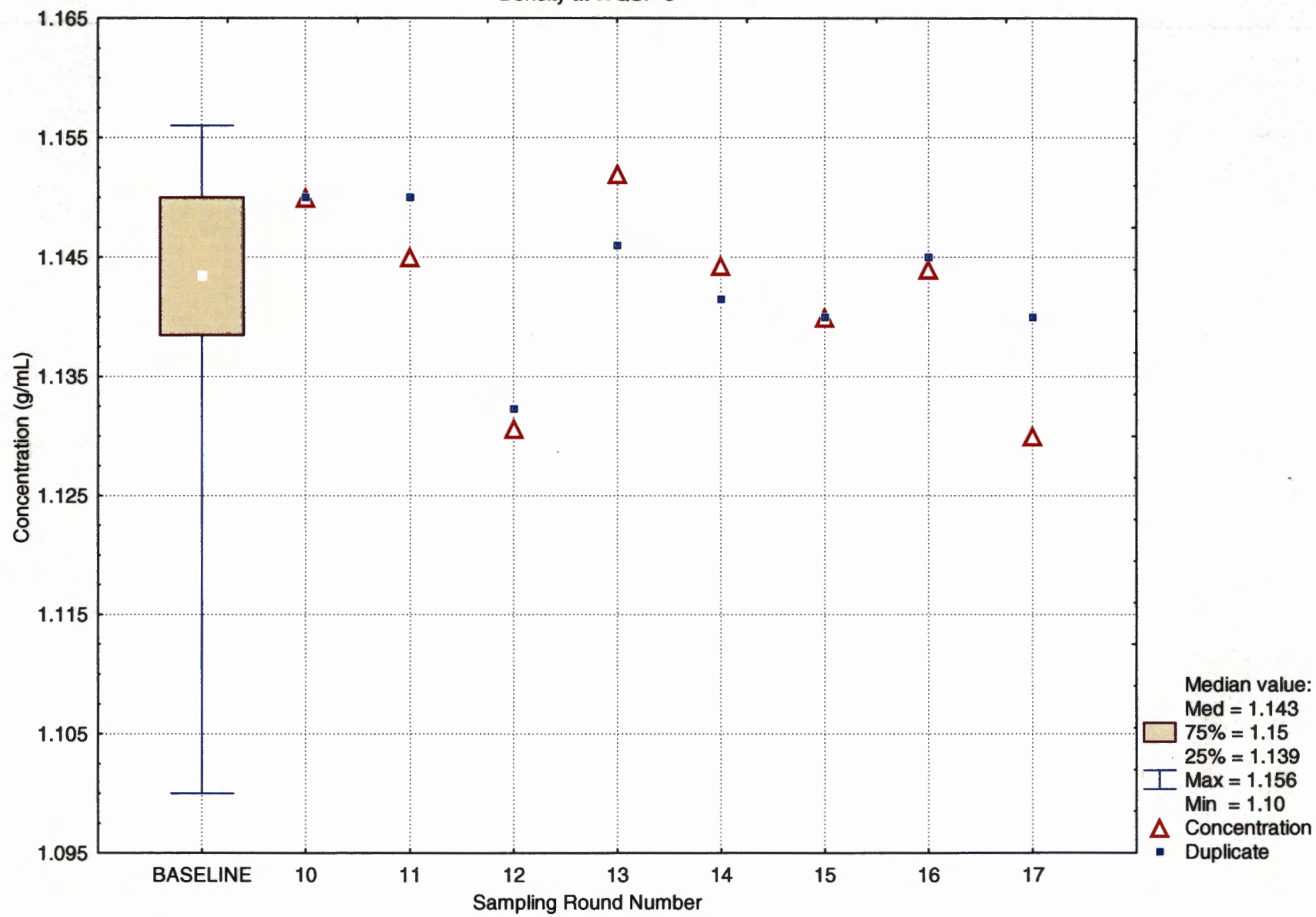
Calcium at WQSP-3



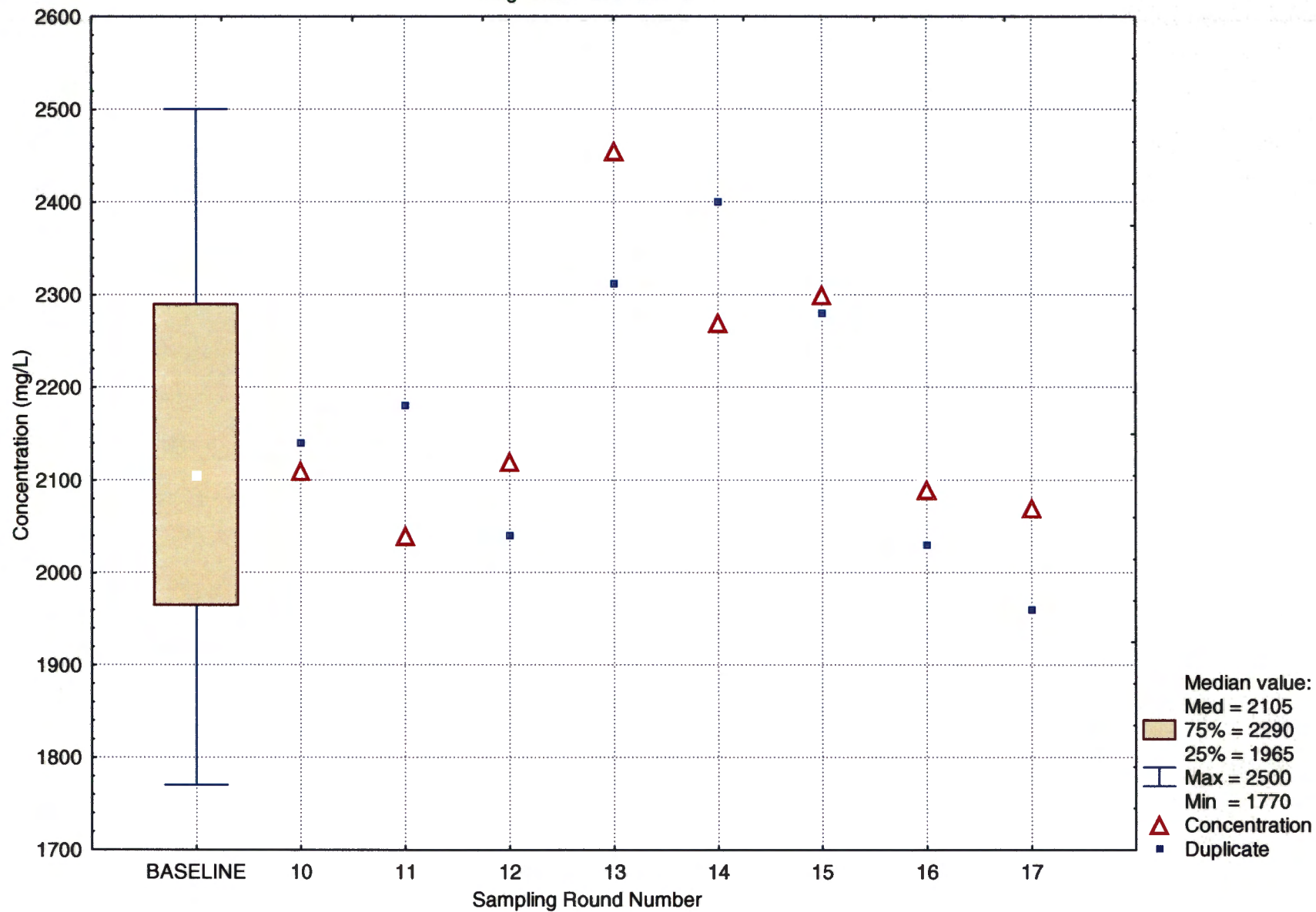
Chloride at WQSP-3

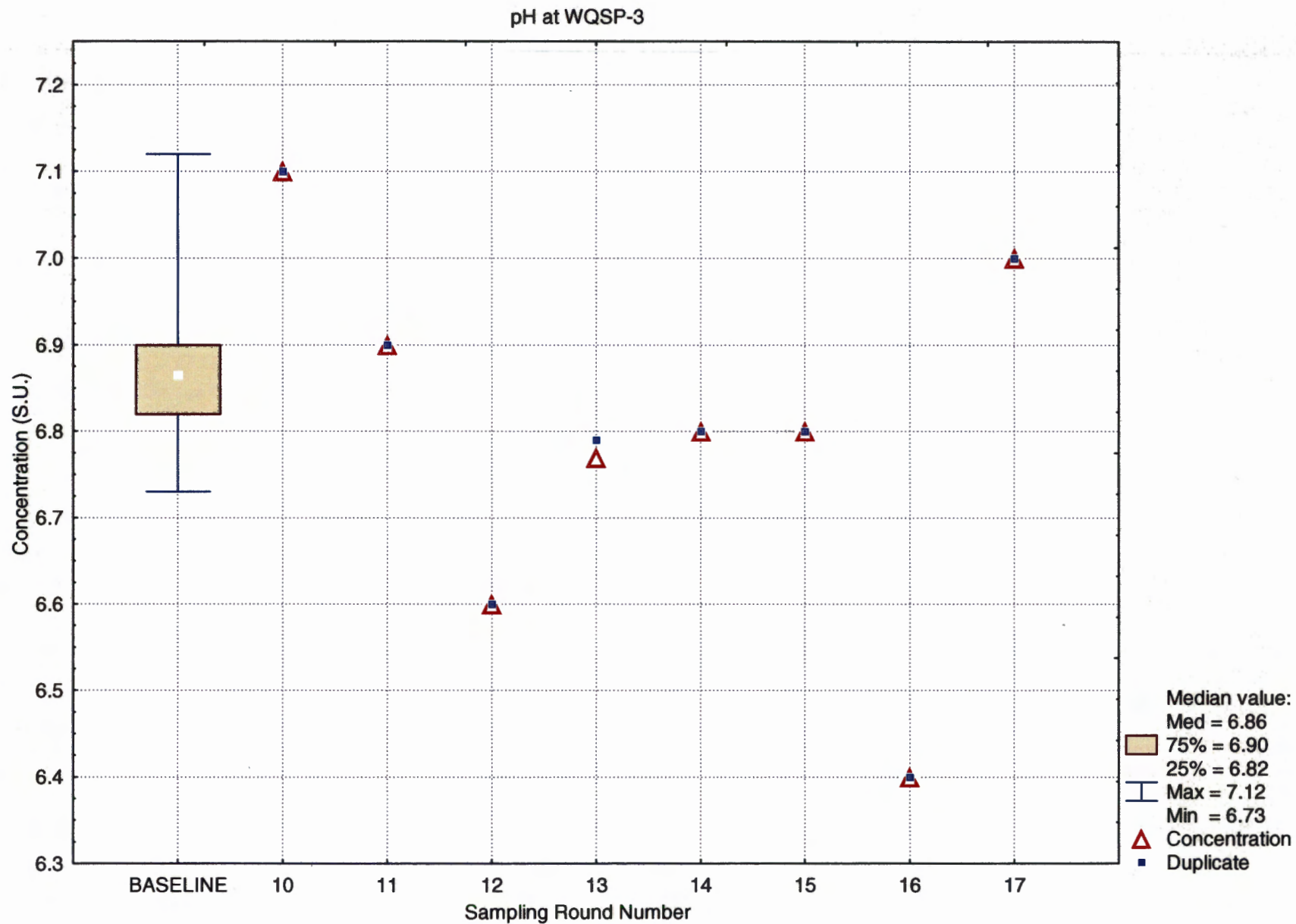


Density at WQSP-3

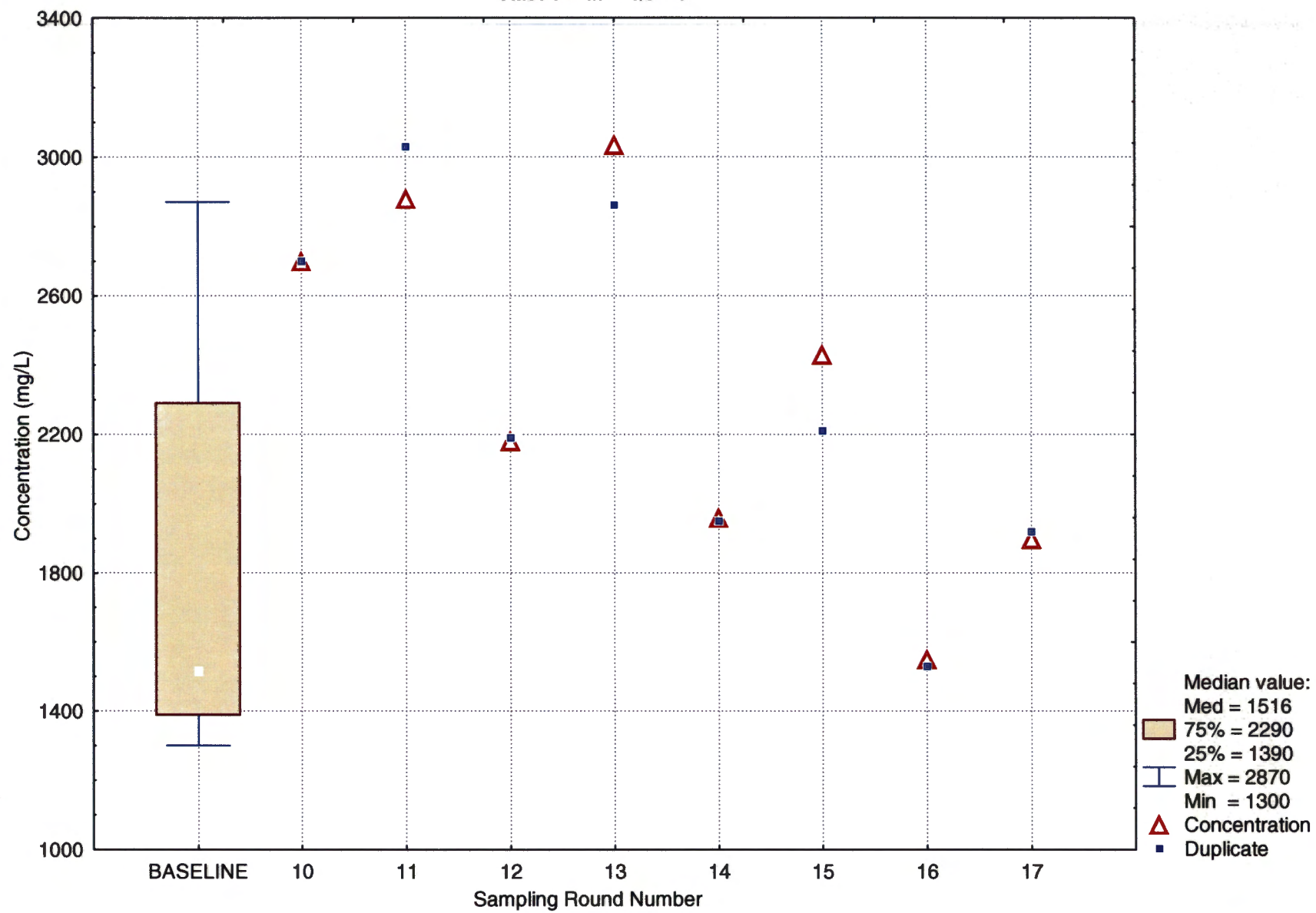


Magnesium at WQSP-3

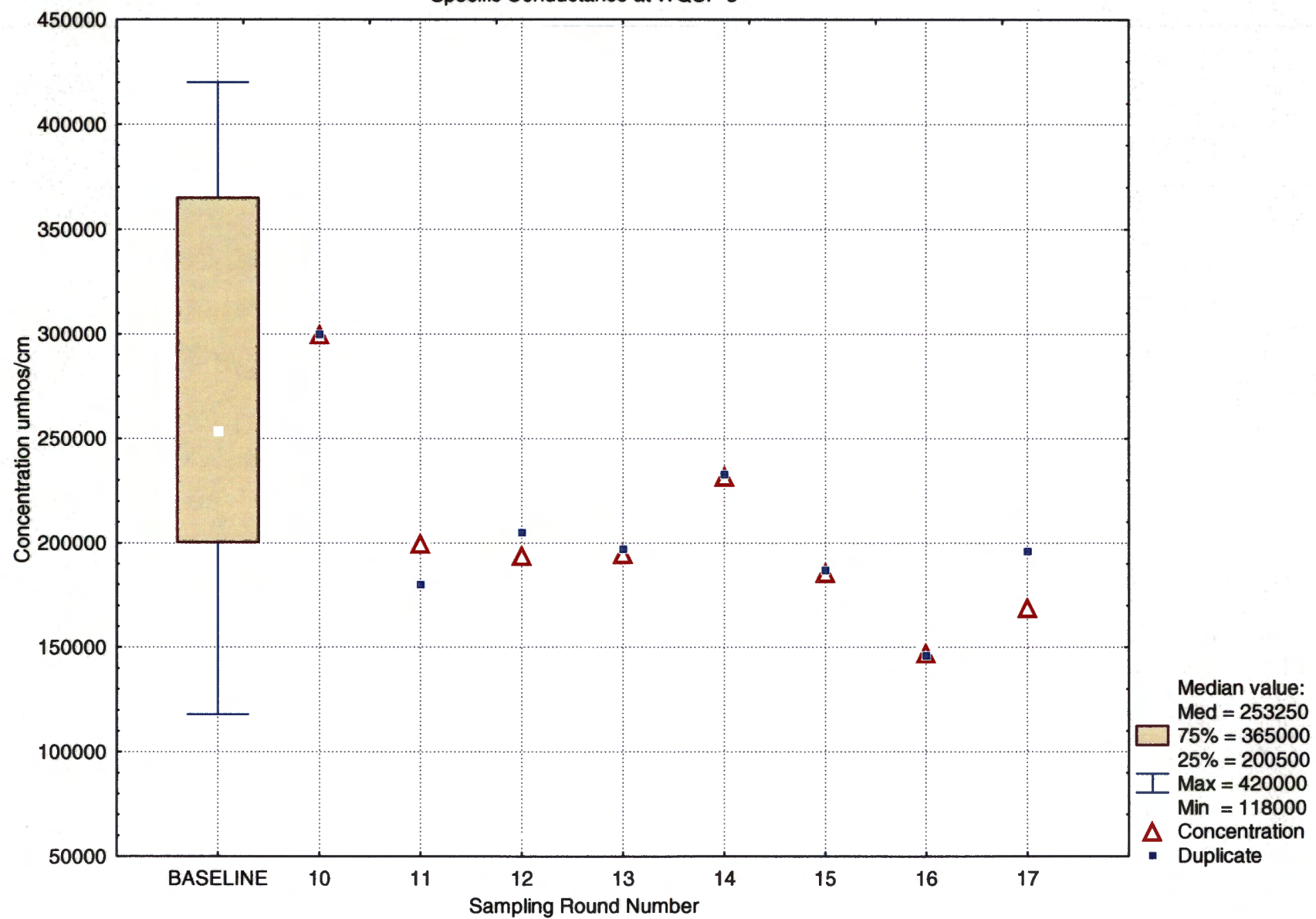




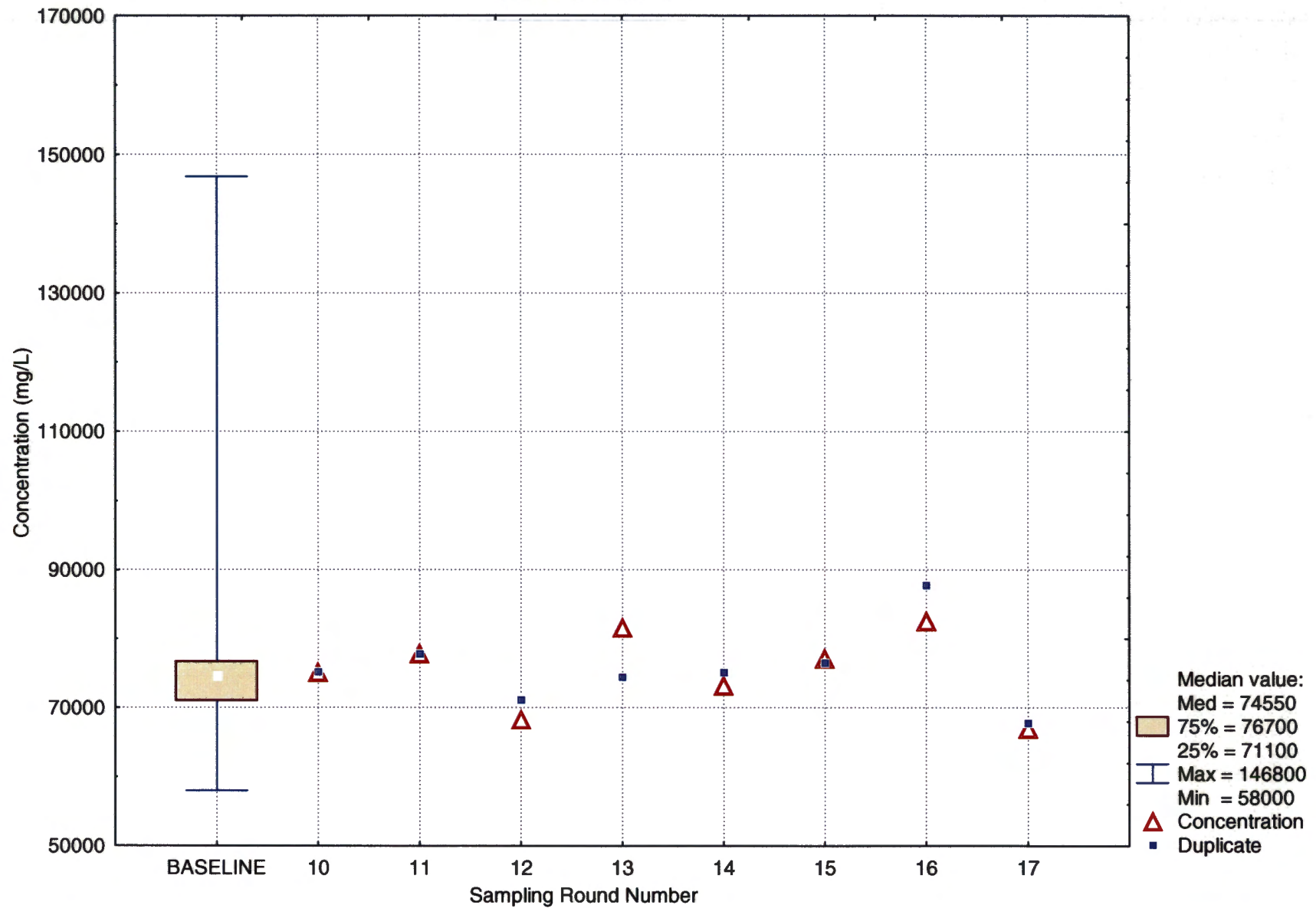
Potassium at WQSP-3



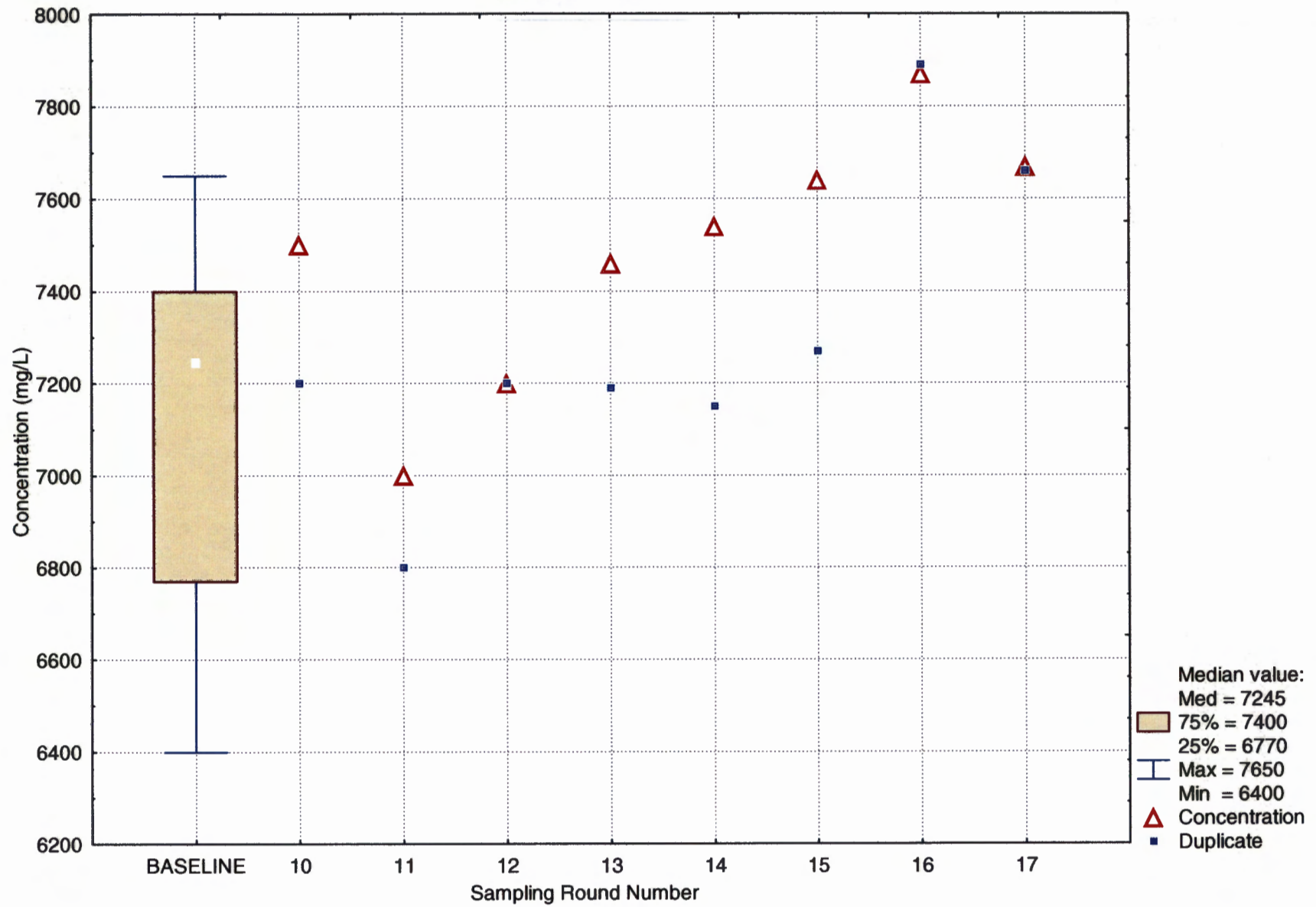
Specific Conductance at WQSP-3



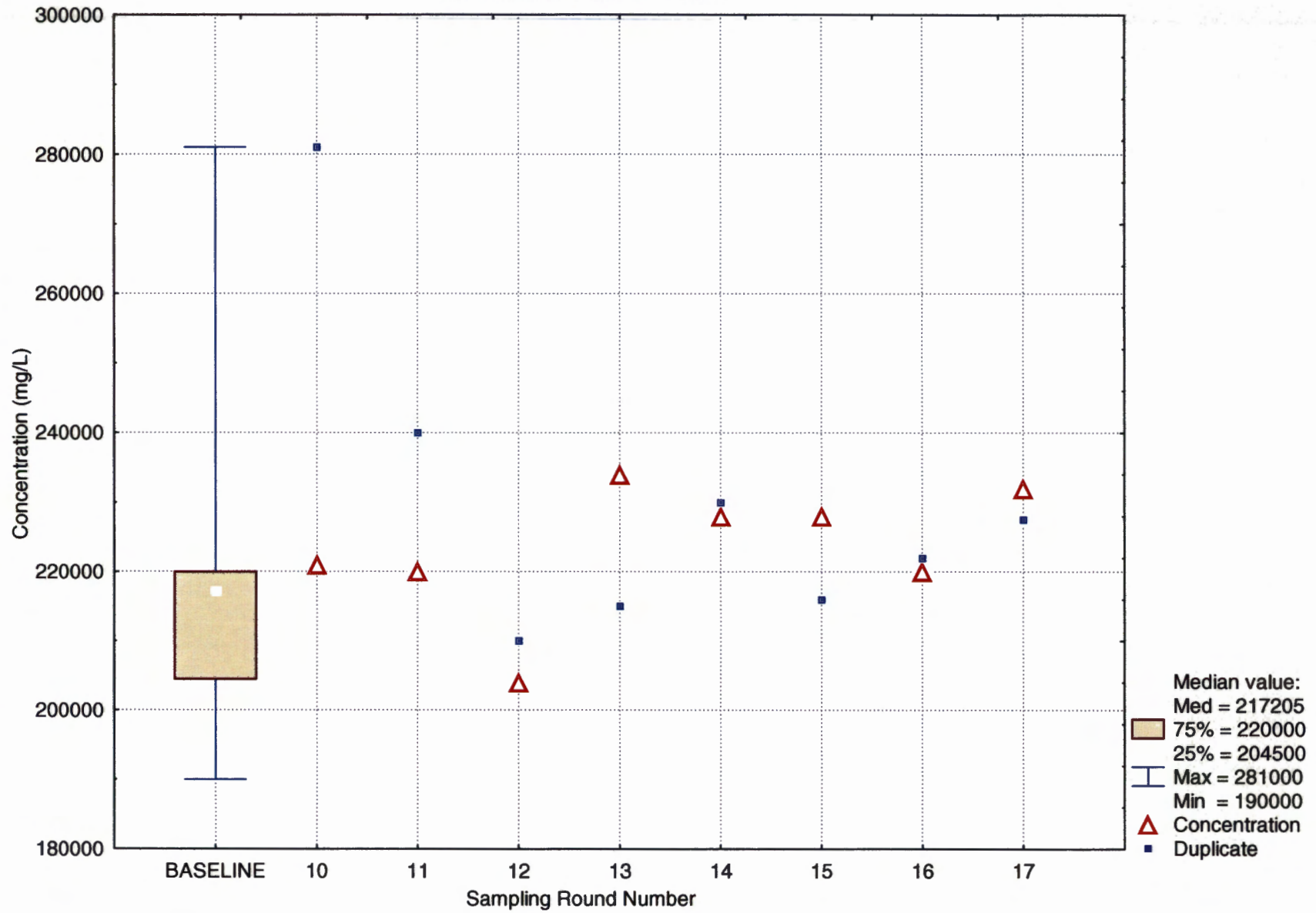
Sodium at WQSP-3



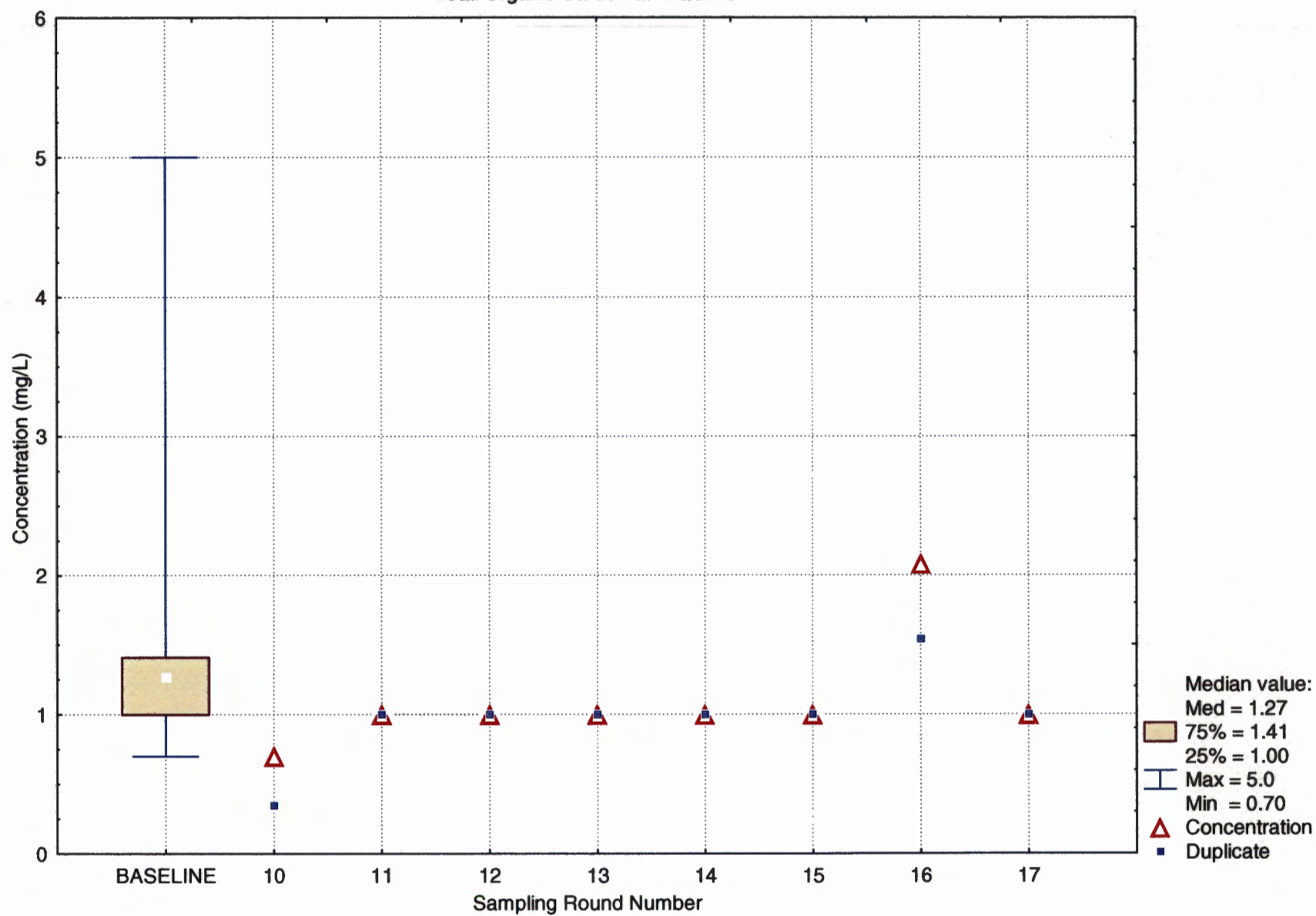
Sulfate at WQSP-3



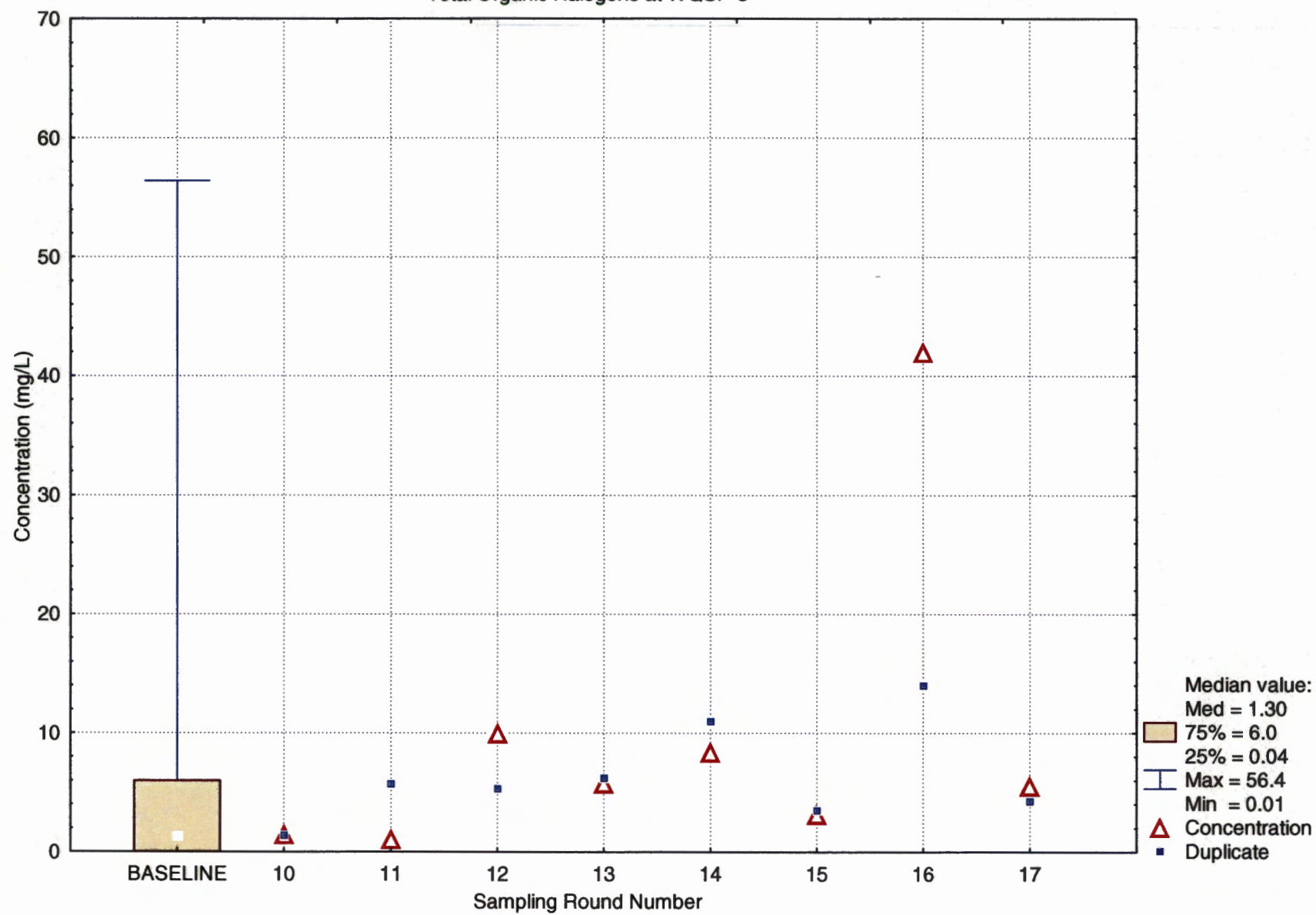
Total Dissolved Solids at WQSP-3



Total Organic Carbon at WQSP-3

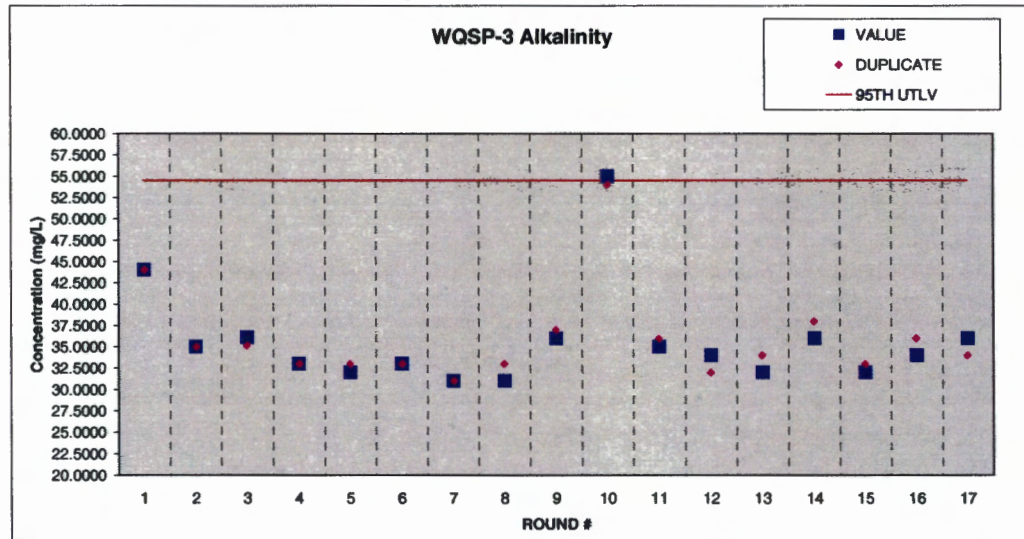


Total Organic Halogens at WQSP-3



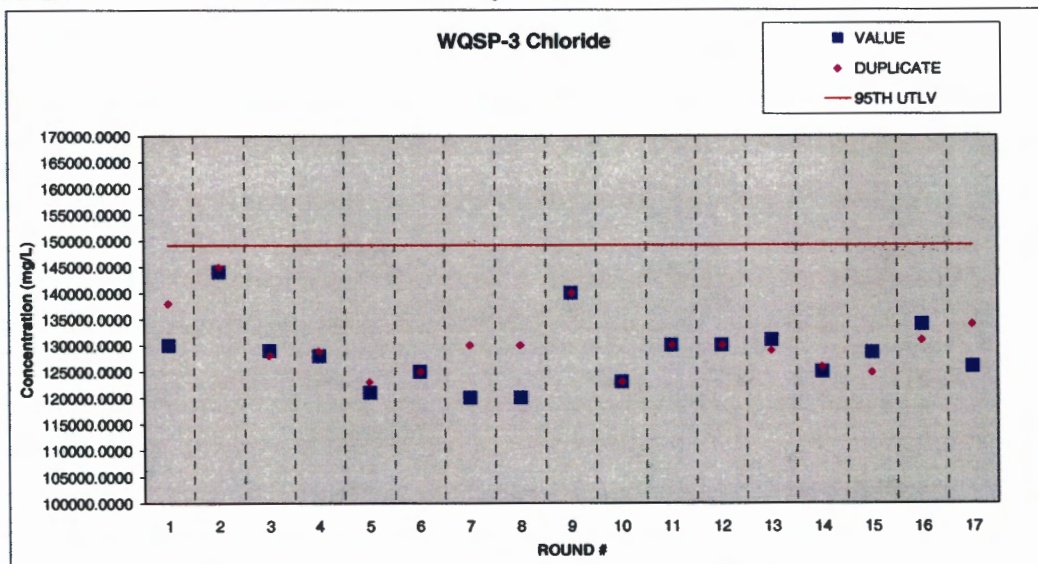
WQSP-3 Alkalinity

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	ALKALINITY	44.0000	44.0000	mg/L	5.0000	54.5000	< 5.0000		1	10/02/95	09/19/95
	ALKALINITY	35.0000	35.0000	mg/L	5.0000	54.5000	< 5.0000		2	05/15/96	05/09/96
	ALKALINITY	36.1000	35.1000	mg/L	5.0000	54.5000	< 5.0000		3	06/12/96	06/22/96
	ALKALINITY	33.0000	33.0000	mg/L	5.0000	54.5000	< 5.0000		4	06/09/97	05/22/97
	ALKALINITY	32.0000	33.0000	mg/L	5.0000	54.5000	< 5.0000		5	06/26/97	06/21/97
	ALKALINITY	33.0000	33.0000	mg/L		54.5000			6	04/24/98	4/22/98
	ALKALINITY	31.0000	31.0000	mg/L	1.0000	54.5000	< 1.0000		7	09/09/98	08/26/98
	ALKALINITY	31.0000	33.0000	mg/L		54.5000	< 3.0000		8	04/11/99	04/08/99
	ALKALINITY	36.0000	37.0000	mg/L		54.5000			9	10/12/99	10/08/99
	ALKALINITY	55.0000	54.0000	mg/L		54.5000			10	03/30/00	03/23/00
	ALKALINITY	35.0000	36.0000	mg/L	6.0000	54.5000	< 4.0000		11	10/11/00	10/05/00
	ALKALINITY	34.0000	32.0000	mg/L	4.0000	54.5000			12	04/04/01	03/29/01
	ALKALINITY	32.0000	34.0000	mg/L	4.0000	54.5000			13	10/11/01	10/04/01
	ALKALINITY	36.0000	38.0000	mg/L	4.0000	54.5000			14	04/04/02	04/04/02
	ALKALINITY	32.0000	33.0000	mg/L	4.0000	54.5000			15	10/08/02	10/03/02
	ALKALINITY	34.0000	36.0000	mg/L	4.0000	54.5000			16	04/02/03	03/27/03
	ALKALINITY	36.0000	34.0000	mg/L	4.0000	54.5000			17	10/07/03	10/01/03



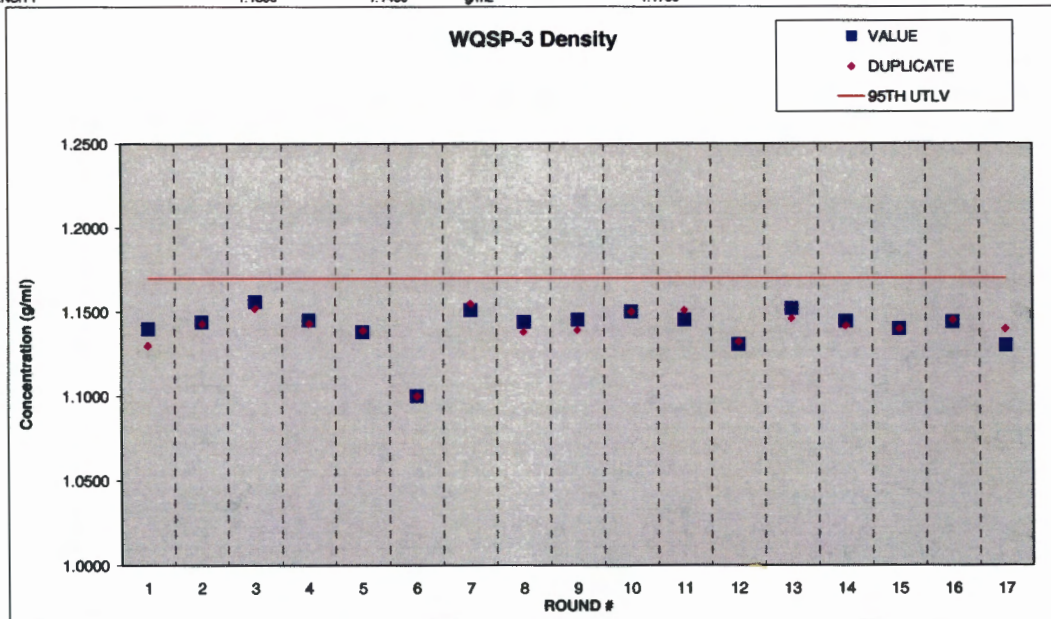
WQSP-3 Chloride

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	130000.0000	138000.0000	mg/L	5.0000	149100.0000	< 0.0000	< 5.0000	1	08/22/95	08/19/95
7782-50-5	CHLORIDE	144000.0000	145000.0000	mg/L	5000.0000	149100.0000	< 0.0000	< 5.0000	2	05/18/96	05/09/96
7782-50-5	CHLORIDE	128000.0000	128000.0000	mg/L	5000.0000	149100.0000	< 0.0000	< 5.0000	3	09/18/96	08/22/96
7782-50-5	CHLORIDE	128000.0000	128000.0000	mg/L	5000.0000	149100.0000	< 0.0000	< 5.0000	4	08/04/97	05/22/97
7782-50-5	CHLORIDE	121000.0000	123000.0000	mg/L	5000.0000	149100.0000	< 0.0000	< 5.0000	5	08/29/97	08/21/97
7782-50-5	CHLORIDE	125000.0000	125000.0000	mg/L	0.0180	149100.0000	< 0.0230	< 0.0230	6	04/24/98	4/22/98
7782-50-5	CHLORIDE	120000.0000	130000.0000	mg/L	0.5000	149100.0000	< 1.7300	< 1.7300	7	08/03/98	08/28/98
7782-50-5	CHLORIDE	120000.0000	130000.0000	mg/L	0.5000	149100.0000	< 0.5000	< 0.5000	8	04/09/99	04/08/99
7782-50-5	CHLORIDE	140000.0000	140000.0000	mg/L	0.5000	149100.0000	< 0.5000	< 0.5000	9	10/06/99	10/06/99
7782-50-5	CHLORIDE	123000.0000	123000.0000	mg/L	0.5000	149100.0000	< 0.5000	< 0.5000	10	03/24/00	03/23/00
7782-50	CHLORIDE	130000.0000	130000.0000	mg/L	0.5000	149100.0000	< 0.5000	< 0.5000	11	10/11/00	10/05/00
7782-50	CHLORIDE	130000.0000	130000.0000	mg/L	0.5000	149100.0000	< 0.5000	< 0.5000	12	04/04/01	03/29/01
7782-50	CHLORIDE	131000.0000	129000.0000	mg/L	2.0000	149100.0000	< 0.5000	< 0.5000	13	10/12/01	10/04/01
7782-50	CHLORIDE	125000.0000	126000.0000	mg/L	2.0000	149100.0000	< 0.5000	< 0.5000	14	04/04/02	04/04/02
7782-50	CHLORIDE	128800.0000	124800.0000	mg/L	2.0000	149100.0000	< 0.5000	< 0.5000	15	10/07/02	10/03/02
7782-50	CHLORIDE	134000.0000	131000.0000	mg/L	2.0000	149100.0000	< 0.5000	< 0.5000	16	03/28/03	03/27/03
7782-50	CHLORIDE	126000.0000	134000.0000	mg/L	1.0000	149100.0000	< 0.5000	< 0.5000	17	10/02/03	10/01/03



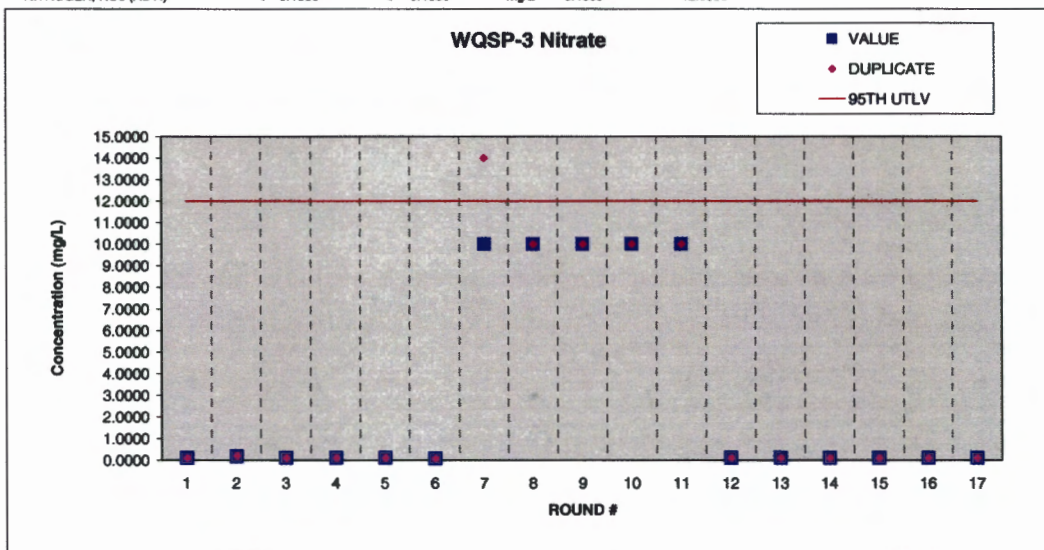
WQSP-3 Density

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	DENSITY	1.1400	1.1300	g/mL		1.1700			1	10/12/95	09/19/95
	DENSITY	1.1440	1.1430	g/mL	0.0000	1.1700	0.0000		2	05/15/96	05/09/96
	DENSITY	1.1580	1.1520	g/mL	0.0000	1.1700	0.0000		3	09/19/96	08/22/96
	DENSITY	1.1450	1.1430	g/mL	N/A	1.1700			4	09/09/97	05/22/97
	DENSITY	1.1380	1.1380	g/mL	N/A	1.1700			5	09/02/97	08/21/97
	DENSITY	1.1000	1.1000	g/mL		1.1700			6	04/24/98	4/21/98
	DENSITY	1.1510	1.1550	g/mL	---	1.1700		1.0010	7	09/09/98	08/28/98
	DENSITY	1.1440	1.1380	g/mL		1.1700		0.9990	8	04/12/99	04/08/99
	DENSITY	1.1453	1.1391	g/mL		1.1700			9	10/11/99	10/08/99
	DENSITY	1.1500	1.1500	g/mL		1.1700			10	03/28/00	03/23/00
	DENSITY	1.1453	1.1508	g/mL		1.1700			11	10/29/00	10/05/00
	DENSITY	1.1306	1.1323	g/mL		1.1700			12	04/04/01	03/29/01
	DENSITY	1.1520	1.1480	g/mL		1.1700			13	10/18/01	10/04/01
	DENSITY	1.1443	1.1415	g/mL		1.1700			14	04/04/02	04/04/02
	DENSITY	1.1400	1.1400	g/mL		1.1700			15	10/03/02	10/03/02
	DENSITY	1.1440	1.1450	g/mL		1.1700			16	03/31/03	03/27/03
	DENSITY	1.1300	1.1400	g/mL		1.1700			17	10/02/03	10/01/03



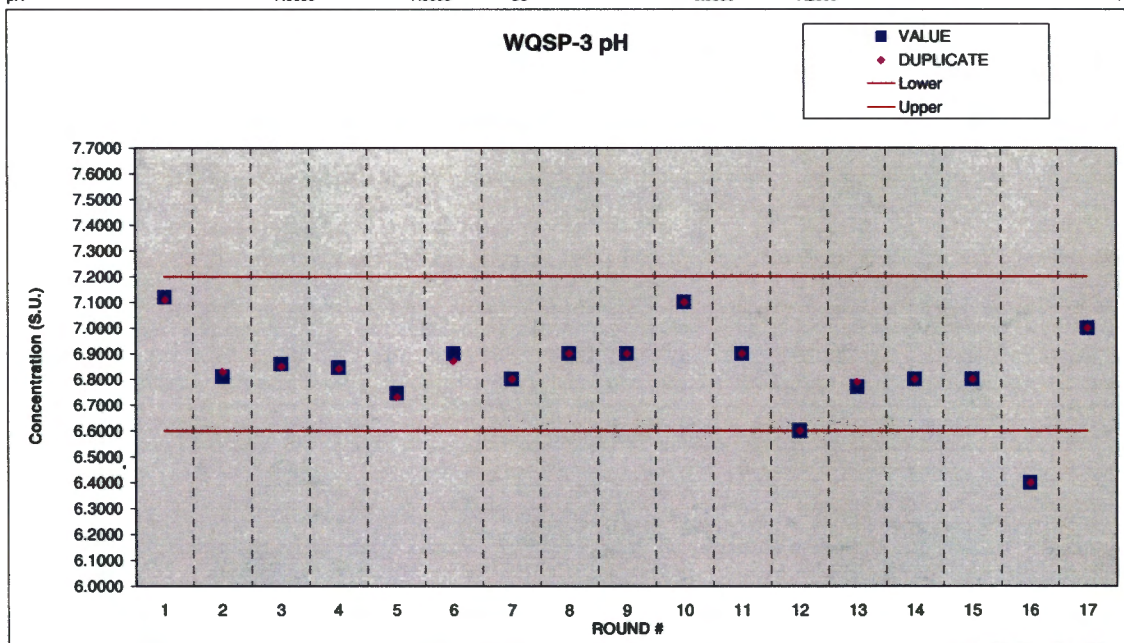
WQSP-3 Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000		< 0.1000	1	10/02/95	09/19/95
7727-37-9	NITROGEN, NO3 (AS N)	0.1830	0.2070	mg/L	0.1000	12.0000	0.0000	< 0.1000	2	05/17/96	05/09/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000	0.0000	< 0.1000	3	09/05/96	08/22/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000		< 0.1000	4	06/05/97	05/22/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000		< 0.1000	5	09/23/97	09/21/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0800	< 0.0800	mg/L	0.0040	12.0000		< 0.0040	6	04/24/98	04/22/98
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 14.0000	mg/L	0.2000	12.0000		< 0.2000	7	09/23/98	08/26/98
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	12.0000		< 0.2000	8	04/09/99	04/08/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	12.0000		< 0.2000	9	10/09/99	10/09/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	12.0000		< 0.2000	10	03/24/00	03/23/00
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	10.0000	12.0000		< 0.2000	11	10/06/00	10/05/00
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			12	04/02/01	03/29/01
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			13	10/17/01	10/04/01
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			14	04/12/02	04/04/02
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			15	10/04/02	10/03/02
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			16	03/28/03	03/27/03
7727-39-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	12.0000			17	10/02/03	10/01/03

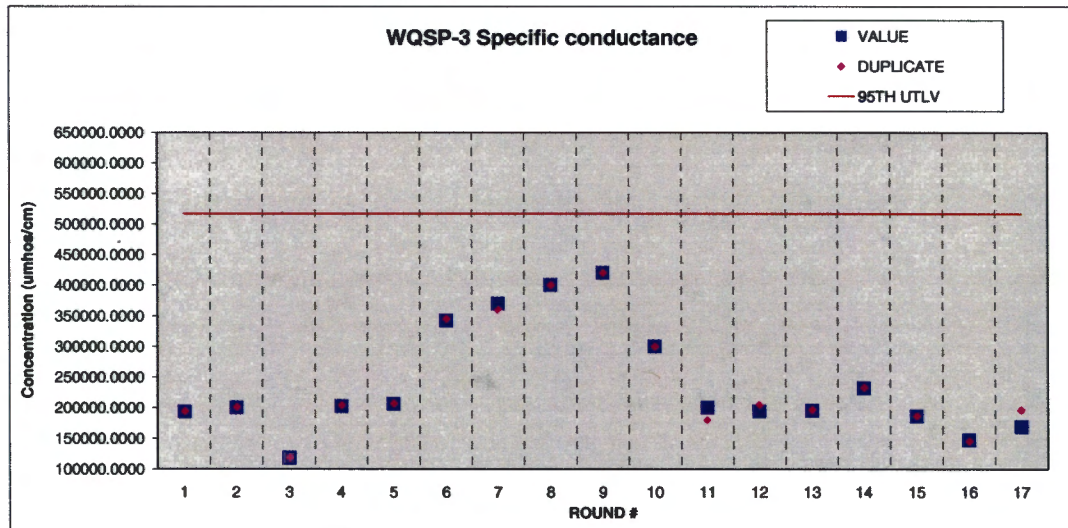


WQSP-3 pH

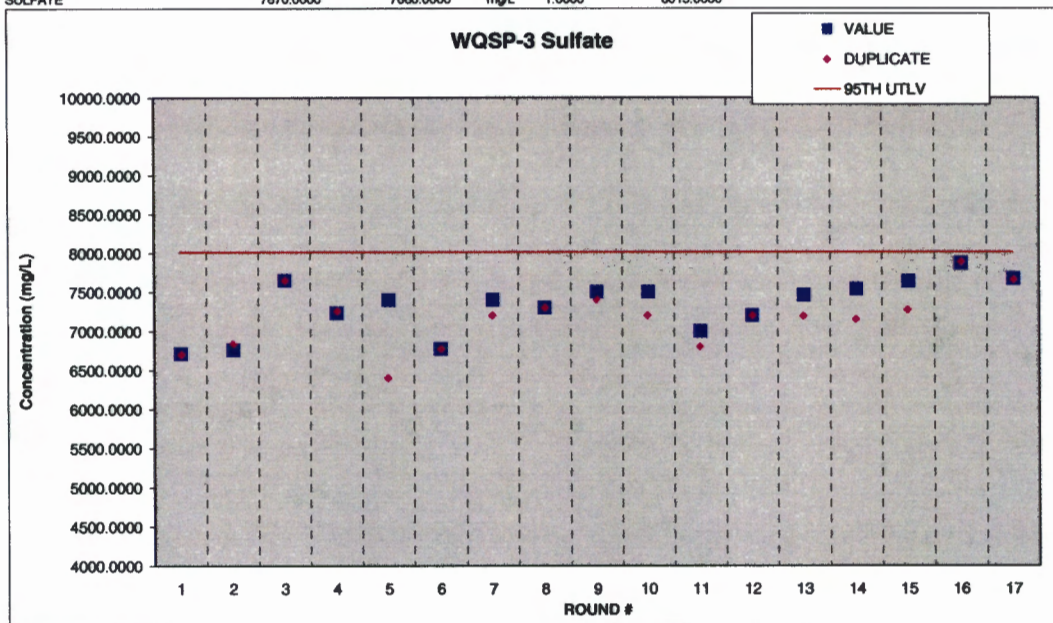
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	pH	7.1200	7.1100	SU	N/A	6.8000	7.2000			1	09/20/95	09/19/95
	pH	6.8100	6.8900	SU	0.0000	6.8000	7.2000			2	05/10/96	05/09/96
	pH	6.8600	6.8500	SU	0.0000	6.8000	7.2000			3	06/23/96	06/22/96
	pH	6.8450	6.8400	SU	N/A	6.8000	7.2000			4	05/23/97	05/22/97
	pH	6.7450	6.7300	SU	N/A	6.8000	7.2000			5	08/22/97	08/21/97
	pH	6.9000	6.8700	SU		6.8000	7.2000			6	04/24/98	04/22/98
	pH	6.8000	6.8000	SU	—	6.8000	7.2000			7	08/28/98	08/26/98
	pH	6.9000	6.9000	SU		6.8000	7.2000			8	04/08/99	04/06/99
	pH	6.9000	6.9000	SU		6.8000	7.2000			9	10/06/99	10/06/99
	pH	7.1000	7.1000	SU		6.8000	7.2000			10	03/23/00	03/23/00
	pH	6.9000	6.9000	SU		6.8000	7.2000			11	10/05/00	10/05/00
	pH	6.8000	6.8000	SU		6.8000	7.2000			12	03/29/01	03/29/01
	pH	6.7700	6.7900	SU		6.8000	7.2000			13	10/04/01	10/04/01
	pH	6.8000	6.8000	SU		6.8000	7.2000			14	04/04/02	04/04/02
	pH	6.8000	6.8000	SU		6.8000	7.2000			15	10/03/02	10/03/02
	pH	6.4000	6.4000	SU		6.8000	7.2000			16	03/27/03	03/27/03
	pH	7.0000	7.0000	SU		6.8000	7.2000			17	10/01/03	10/01/03



WQSP-3 Specific conductance											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	193000.0000	194000.0000	umho/cm	1.0000	517000.0000			1	10/10/95	09/19/95
	SPECIFIC CONDUCTANCE	200000.0000	201000.0000	umho/cm	1.0000	517000.0000			2	05/16/96	05/09/96
	SPECIFIC CONDUCTANCE	118000.0000	119000.0000	umho/cm	3.0000	517000.0000			3	09/19/96	08/22/96
	SPECIFIC CONDUCTANCE	202000.0000	204000.0000	umho/cm	3.0000	517000.0000			4	08/05/97	05/22/97
	SPECIFIC CONDUCTANCE	205500.0000	206500.0000	umho/cm	3.0000	517000.0000			5	08/29/97	08/21/97
	SPECIFIC CONDUCTANCE	342000.0000	345000.0000	umho/cm		517000.0000			6	04/24/98	4/22/98
	SPECIFIC CONDUCTANCE	370000.0000	360000.0000	umho/cm	---	517000.0000		8.7000	7	09/09/98	08/28/98
	SPECIFIC CONDUCTANCE	400000.0000	400000.0000	umho/cm		517000.0000		5.8000	8	04/09/99	04/06/99
	SPECIFIC CONDUCTANCE	420000.0000	420000.0000	umho/cm		517000.0000			9	10/13/99	10/08/99
	SPECIFIC CONDUCTANCE	300000.0000	300000.0000	umho/cm		517000.0000			10	04/20/00	03/23/00
	SPECIFIC CONDUCTANCE	200000.0000	180000.0000	umho/cm		517000.0000		36.0000	11	10/10/00	10/05/00
	SPECIFIC CONDUCTANCE	194000.0000	205000.0000	umho/cm		517000.0000			12	04/10/01	03/29/01
	SPECIFIC CONDUCTANCE	195000.0000	197000.0000	umho/cm		517000.0000			13	10/22/01	10/04/01
	SPECIFIC CONDUCTANCE	232000.0000	233000.0000	umho/cm		517000.0000			14	04/12/02	04/04/02
	SPECIFIC CONDUCTANCE	188000.0000	187000.0000	umho/cm		517000.0000			15	10/09/02	10/03/02
	SPECIFIC CONDUCTANCE	147300.0000	145800.0000	umho/cm		517000.0000			16	03/31/03	03/27/03
	SPECIFIC CONDUCTANCE	169000.0000	198000.0000	umho/cm		517000.0000			17	10/07/03	10/01/03

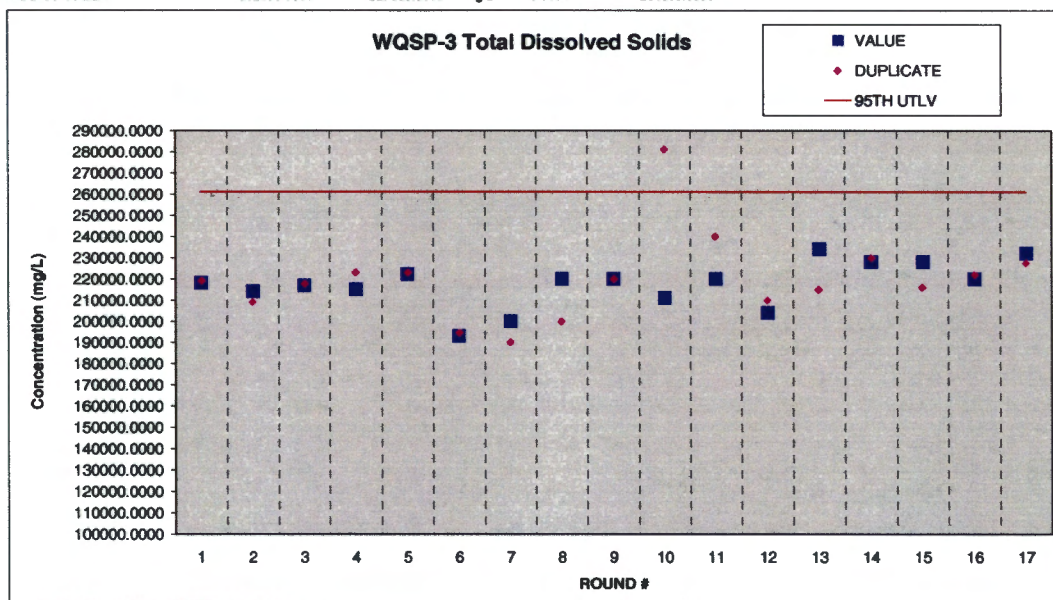


WQSP-3 Sulfate											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
"	"	"	"	"	"	"	"	"	"	"	"
	SULFATE	6710.0000	6700.0000	mg/L	10.0000	8015.0000		< 10.0000	1	08/29/95	08/17/95
	SULFATE	6780.0000	6840.0000	mg/L	2.5000	8015.0000		< 10.0000	2	04/25/96	04/11/96
	SULFATE	7850.0000	7850.0000	mg/L	2.5000	8015.0000		< 10.0000	3	08/21/96	07/25/96
	SULFATE	7230.0000	7280.0000	mg/L	2.5000	8015.0000		< 10.0000	4	05/01/97	04/24/97
	SULFATE	7400.0000	6400.0000	mg/L	2.5000	8015.0000		< 10.0000	5	08/03/97	07/24/97
	SULFATE	6770.0000	6766.4000	mg/L	0.0400	8015.0000		< 0.0400	6	03/11/98	03/05/98
	SULFATE	7400.0000	7200.0000	mg/L	0.5000	8015.0000			7	07/29/98	07/15/98
	SULFATE	7300.0000	7300.0000	mg/L	0.5000	8015.0000		< 0.5000	8	03/03/99	03/03/99
	SULFATE	7500.0000	7400.0000	mg/L	0.5000	8015.0000		< 0.5000	9	09/07/99	09/01/99
	SULFATE	7500.0000	7200.0000	mg/L	0.5000	8015.0000		< 0.5000	10	03/24/00	03/23/00
	SULFATE	7000.0000	6800.0000	mg/L	0.5000	8015.0000		< 0.5000	11	10/09/00	10/05/00
	SULFATE	7200.0000	7200.0000	mg/L	0.5000	8015.0000			12	04/04/01	03/28/01
	SULFATE	7480.0000	7180.0000	mg/L	2.0000	8015.0000			13	10/12/01	10/04/01
	SULFATE	7540.0000	7150.0000	mg/L	2.0000	8015.0000			14	04/04/02	04/04/02
	SULFATE	7640.0000	7270.0000	mg/L	2.0000	8015.0000			15	10/07/02	10/03/02
	SULFATE	7870.0000	7880.0000	mg/L	2.0000	8015.0000			16	03/28/03	03/27/03
	SULFATE	7670.0000	7660.0000	mg/L	1.0000	8015.0000			17	10/02/03	10/01/03



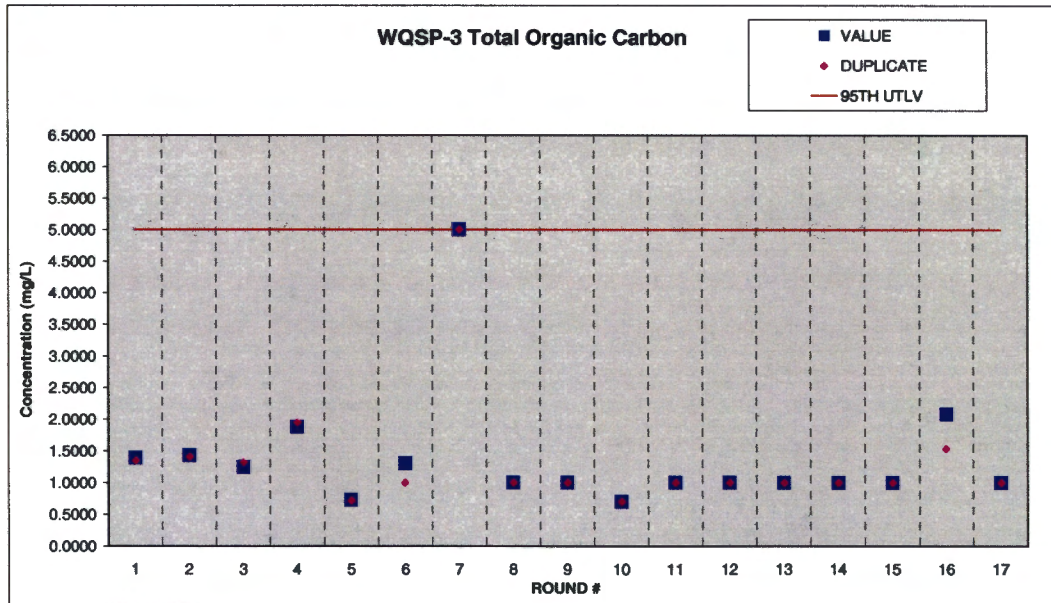
WQSP-3 Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	218000.0000	218000.0000	mg/L	10.0000	261000.0000	<	10.0000	1	09/25/95	09/19/95
	TOTAL DISS SOLIDS	214000.0000	209000.0000	mg/L	200.0000	261000.0000	<	10.0000	2	05/17/96	05/09/96
	TOTAL DISS SOLIDS	216960.0000	217720.0000	mg/L	200.0000	261000.0000	<	10.0000	3	08/30/96	08/22/96
	TOTAL DISS SOLIDS	215000.0000	223000.0000	mg/L	200.0000	261000.0000	<	10.0000	4	05/27/97	05/22/97
	TOTAL DISS SOLIDS	222000.0000	223000.0000	mg/L	200.0000	261000.0000	<	10.0000	5	08/28/97	08/21/97
	TOTAL DISS SOLIDS	193000.0000	194600.0000	mg/L	200.0000	261000.0000			6	04/24/98	04/22/98
	TOTAL DISS SOLIDS	200000.0000	190000.0000	mg/L	10.0000	261000.0000	<	10.0000	7	09/02/98	08/26/98
	TOTAL DISS SOLIDS	220000.0000	200000.0000	mg/L	10.0000	261000.0000	<	10.0000	8	04/12/99	04/08/99
	TOTAL DISS SOLIDS	220000.0000	220000.0000	mg/L	10.0000	261000.0000	<	10.0000	9	10/18/99	10/09/99
	TOTAL DISS SOLIDS	211000.0000	261000.0000	mg/L	10.0000	261000.0000	<	10.0000	10	03/29/00	03/23/00
	TOTAL DISS SOLIDS	220000.0000	240000.0000	mg/L	10.0000	261000.0000	<	10.0000	11	10/11/00	10/05/00
	TOTAL DISS SOLIDS	204000.0000	210000.0000	mg/L	10.0000	261000.0000			12	04/04/01	03/29/01
	TOTAL DISS SOLIDS	234000.0000	215000.0000	mg/L	10.0000	261000.0000			13	10/08/01	10/04/01
	TOTAL DISS SOLIDS	228000.0000	230000.0000	mg/L	10.0000	261000.0000			14	04/12/02	04/04/02
	TOTAL DISS SOLIDS	228000.0000	216000.0000	mg/L	10.0000	261000.0000			15	10/08/02	10/03/02
	TOTAL DISS SOLIDS	220000.0000	222000.0000	mg/L	10.0000	261000.0000			16	03/31/03	03/27/03
	TOTAL DISS SOLIDS	232000.0000	227500.0000	mg/L	10.0000	261000.0000			17	10/07/03	10/01/03



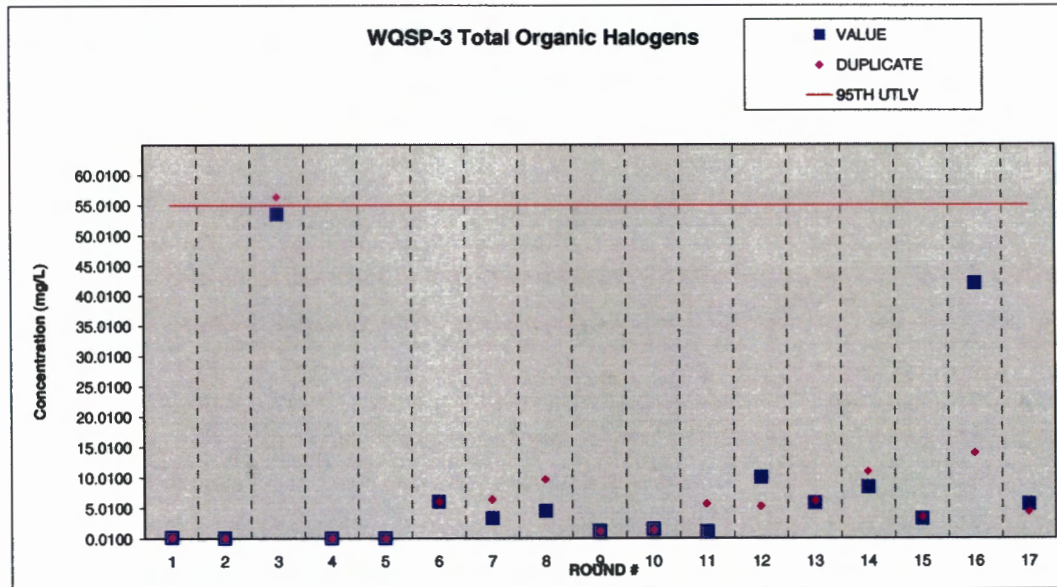
WQSP-3 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.3800	1.3400	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	1	10/12/95	09/19/95
	TOTAL ORGANIC CARBON	1.4200	1.4000	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	2	05/31/96	05/09/96
	TOTAL ORGANIC CARBON	1.2400	1.3200	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	3	08/09/96	08/22/96
	TOTAL ORGANIC CARBON	1.8700	1.9500	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	4	06/02/97	06/22/97
	TOTAL ORGANIC CARBON	0.7215	0.7145	mg/L	0.5000	5.0000	< 0.5000	< 0.5000	5	08/26/97	08/21/97
	TOTAL ORGANIC CARBON	1.3000	1.0000	mg/L		5.0000		0.0001	6	04/24/98	04/22/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	5.0000	< 5.0000	< 5.0000	7	09/18/98	08/26/98
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	8	04/19/99	04/08/99
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	9	10/07/99	10/08/99
	TOTAL ORGANIC CARBON	0.7000	< 0.7000	mg/L		5.0000	< 0.7000	< 0.7000	10	04/05/00	03/23/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000	< 1.0000	< 1.0000	11	10/11/00	10/05/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			12	03/30/01	03/29/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			13	10/16/01	10/04/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			14	04/04/02	04/04/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			15	10/03/02	10/03/02
	TOTAL ORGANIC CARBON	2.0800	1.5400	mg/L	1.0000	5.0000			16	04/03/03	03/27/03
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			17	01/07/04	10/01/03



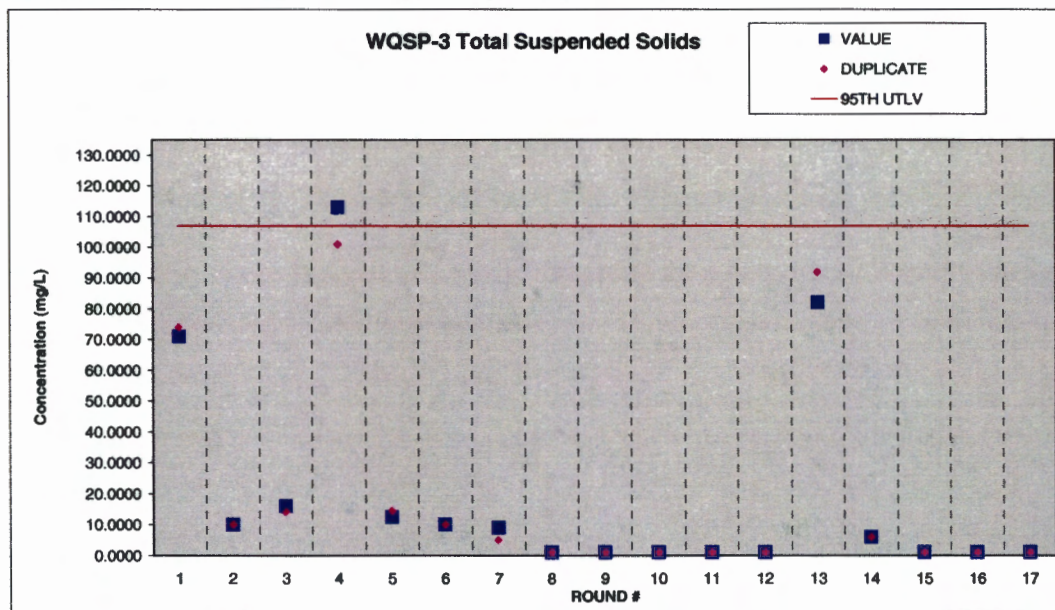
WQSP-3 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.1660	0.1470	mg/L	0.0200	55.0000		< 0.0100	1	10/18/95	09/19/95
	TOTAL ORGANIC HALOGENS	0.0387	0.0382	mg/L	0.0100	55.0000	0.0000	0.0114	2	05/24/96	05/09/96
	TOTAL ORGANIC HALOGENS	53.5000	56.4000	mg/L	0.0100	55.0000	0.0000	< 0.0100	3	09/12/96	08/22/96
	TOTAL ORGANIC HALOGENS	< 0.0100	< 0.0100	mg/L	0.0100	55.0000		0.0131	4	06/05/97	05/22/97
	TOTAL ORGANIC HALOGENS	0.0158	0.0115	mg/L	0.0100	55.0000		0.0120	5	09/02/97	08/21/97
	TOTAL ORGANIC HALOGENS	6.0000	6.0000	mg/L		55.0000			6	04/24/98	04/22/98
	TOTAL ORGANIC HALOGENS	3.3000	6.4000	mg/L	10.0000	55.0000			7	08/08/98	8/28/98
	TOTAL ORGANIC HALOGENS	4.5000	9.7000	mg/L		55.0000			8	04/19/99	4/8/99
	TOTAL ORGANIC HALOGENS	1.2000	1.2000	mg/L		55.0000			9	10/19/99	10/6/99
	TOTAL ORGANIC HALOGENS	1.5000	1.4000	mg/L		55.0000			10	04/05/00	03/23/00
	TOTAL ORGANIC HALOGENS	1.1000	5.7000	mg/L		55.0000			11		
	TOTAL ORGANIC HALOGENS	10.0000	5.3000	mg/L		55.0000			12	04/11/01	03/29/01
	TOTAL ORGANIC HALOGENS	5.8000	6.2000	mg/L	0.0050	55.0000			13	10/18/01	10/04/01
	TOTAL ORGANIC HALOGENS	8.4000	11.0000	mg/L	0.0050	55.0000			14	04/12/02	04/04/02
	TOTAL ORGANIC HALOGENS	3.2000	3.5000	mg/L	0.0050	55.0000			15	10/09/02	10/03/02
	TOTAL ORGANIC HALOGENS	42.0000	14.0000	mg/L	0.0050	55.0000			16	04/08/03	03/27/03
	TOTAL ORGANIC HALOGENS	5.8000	4.3000	mg/L	0.0050	55.0000			17	10/07/03	10/01/03

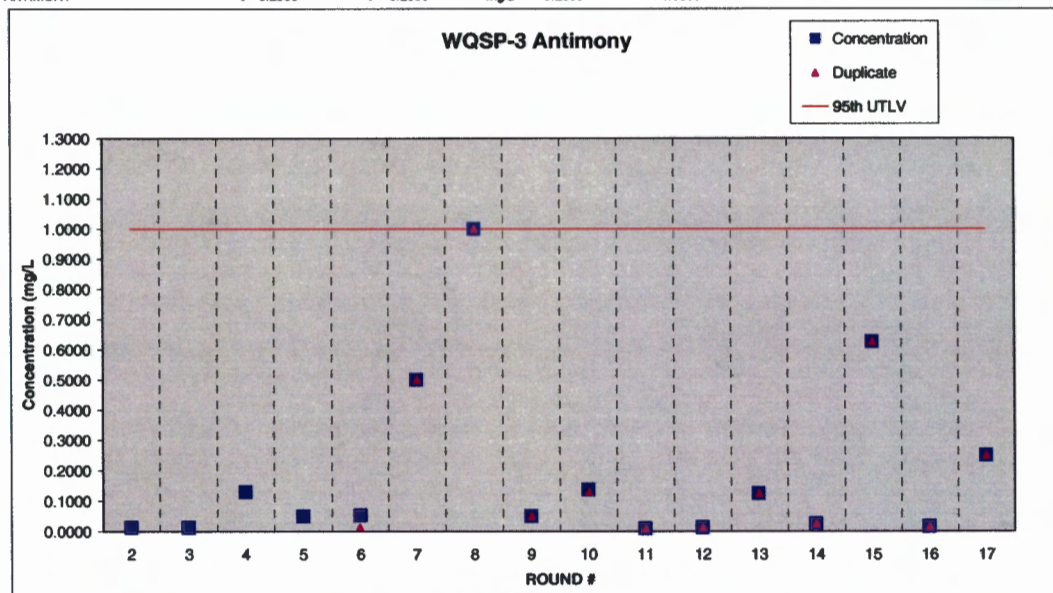


WQSP-3 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	71.0000	74.0000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	1	09/29/96	09/19/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	2	05/15/96	05/09/96
	TOTAL SUSP SOLIDS	16.0000	14.0000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	3	08/29/96	08/22/96
	TOTAL SUSP SOLIDS	113.0000	101.0000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	4	05/27/97	05/22/97
	TOTAL SUSP SOLIDS	12.5000	14.5000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	5	08/25/97	08/21/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	107.0000	< 10.0000	< 10.0000	6	04/24/98	04/22/98
	TOTAL SUSP SOLIDS	9.0000	< 5.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	7	08/27/98	08/26/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	8	04/13/99	04/08/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	9	10/08/99	10/06/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	10	03/29/00	03/23/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	11	10/11/00	10/05/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000	< 1.0000	< 1.0000	12	04/04/01	03/29/01
	TOTAL SUSP SOLIDS	82.0000	82.0000	mg/L	1.0000	107.0000			13	10/11/01	10/04/01
	TOTAL SUSP SOLIDS	6.0000	6.0000	mg/L	1.0000	107.0000			14	04/08/02	04/04/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000			15	10/08/02	10/03/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000			16	04/02/03	03/27/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	107.0000			17	10/09/03	10/01/03

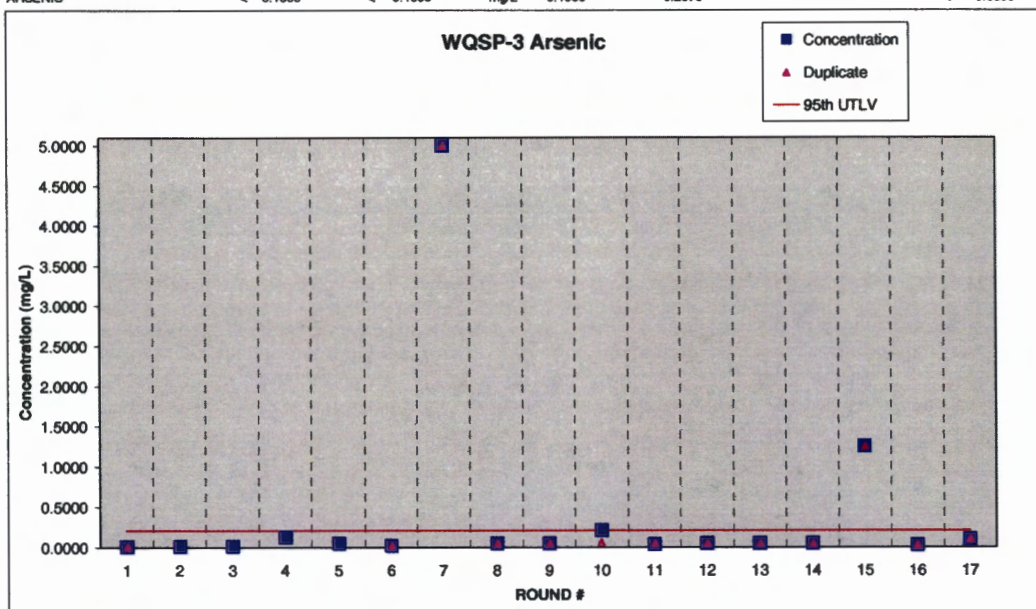


WQSP-3 Antimony											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	1.0000	< 0.0050		2	06/03/96	05/09/96
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	1.0000	< 0.0050		3	08/29/96	08/22/96
7440-38-0	ANTIMONY	< 0.1300		mg/L	0.1300	1.0000	< 0.0050		4	08/13/97	05/22/97
7440-38-0	ANTIMONY	< 0.0500		mg/L	0.0500	1.0000	< 0.0050		5	08/05/97	08/21/97
7440-38-0	ANTIMONY	0.0530	0.0140	mg/L	0.0010	1.0000		< 0.0010	6	04/24/98	04/22/98
7440-38-0	ANTIMONY	< 0.5000	< 0.5000	mg/L	0.5000	1.0000		< 0.5000	7	09/29/98	08/29/98
7440-38-0	ANTIMONY	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	04/15/99	04/08/99
7440-38-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.0500	9	11/25/99	10/08/99
7440-38-0	ANTIMONY	0.1370	< 0.1300	mg/L	0.1300	1.0000		0.0890	10	04/08/00	03/23/00
7440-38-0	ANTIMONY	< 0.0100	< 0.0100	mg/L	0.0100	1.0000		< 0.0100	11	10/28/00	10/05/00
7440-38-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	1.0000		< 0.0130	12	05/18/01	03/29/01
7440-38-0	ANTIMONY	< 0.1250	< 0.1250	mg/L	0.1250	1.0000		0.0080	13	10/10/01	10/04/01
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	1.0000		< 0.0250	14	04/08/02	04/04/02
7440-38-0	ANTIMONY	< 0.6250	< 0.6250	mg/L	0.6250	1.0000		< 0.0250	15	10/29/02	10/03/02
7440-38-0	ANTIMONY	< 0.0180	< 0.0180	mg/L	0.0180	1.0000		< 0.0250	16	04/30/03	03/27/03
7440-38-0	ANTIMONY	< 0.2500	< 0.2500	mg/L	0.2500	1.0000		< 0.0250	17	10/21/03	10/01/03



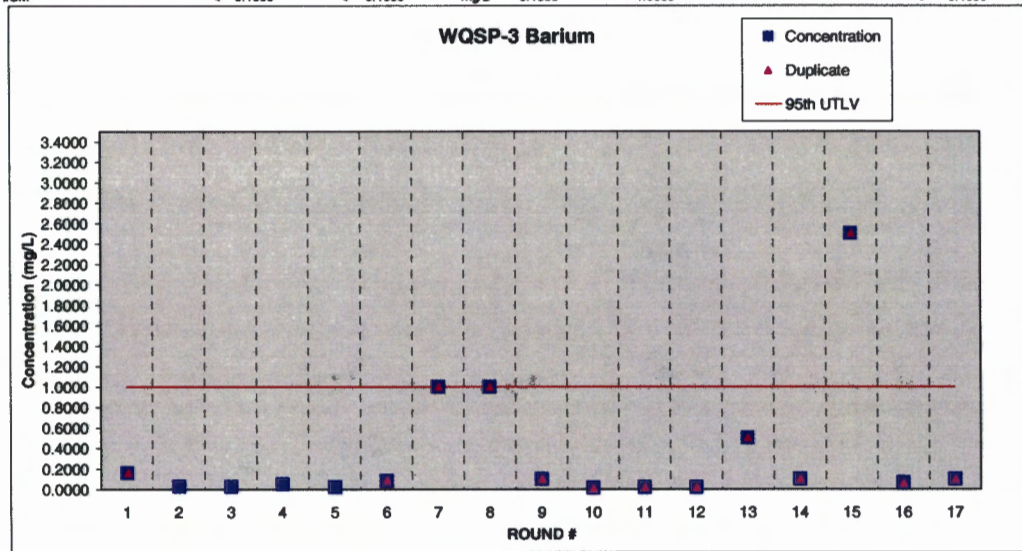
WQSP-3 Arsenic

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0100	< 0.0100	mg/L	0.0100	0.2070		< 0.0040	1	09/29/95	09/19/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.2070	< 0.0050		2	06/03/96	05/09/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.2070	< 0.0050		3	08/29/96	08/22/96
7440-38-2	ARSENIC	< 0.1300		mg/L	0.1300	0.2070	< 0.0050		4	06/13/97	05/22/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.2070	< 0.0050		5	09/05/97	08/21/97
7440-38-2	ARSENIC	< 0.0200	< 0.0200	mg/L	0.0010	0.2070		< 0.0010	6	04/24/98	04/22/98
7440-38-2	ARSENIC	< 5.0000	< 5.0000	mg/L	5.0000	0.2070		< 5.0000	7	09/29/98	08/29/98
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.2070		< 0.0500	8	04/15/99	04/08/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.2070		< 0.0500	9	11/25/99	10/08/99
7440-38-2	ARSENIC	< 0.2070	0.0640	mg/L	0.0100	0.2070		0.0026	10	04/08/00	03/23/00
7440-38-2	ARSENIC	0.0360	< 0.0500	mg/L	0.0500	0.2070			11	10/26/00	10/05/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.2070		< 0.0500	12	05/18/01	03/29/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.2070		0.0070	13	10/10/01	10/04/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.2070		< 0.0500	14	04/08/02	04/04/02
7440-38-2	ARSENIC	< 1.2500	< 1.2500	mg/L	1.2500	0.2070		< 0.0500	15	10/29/02	10/03/02
7440-38-2	ARSENIC	< 0.0296	< 0.0296	mg/L	0.0296	0.2070		< 0.0500	16	04/30/03	03/27/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.2070		< 0.0500	17	10/21/03	10/01/03



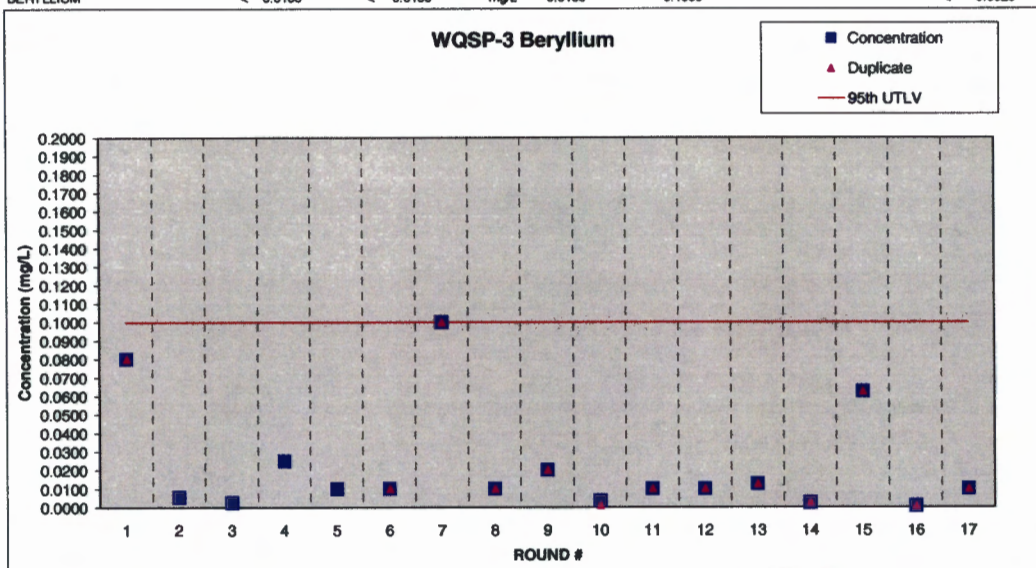
WQSP-3 Barium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIIUM	< 0.1800	< 0.1800	mg/L	0.1800	1.0000		< 0.0040	1	10/20/95	09/19/95
7440-39-3	BARIIUM	0.0283		mg/L	0.0050	1.0000	< 0.0020		2	08/03/96	05/09/96
7440-39-3	BARIIUM	0.0260		mg/L	0.0050	1.0000	< 0.0020		3	08/29/96	08/22/96
7440-39-3	BARIIUM	< 0.0500		mg/L	0.0500	1.0000	< 0.0020		4	08/13/97	05/22/97
7440-39-3	BARIIUM	0.0230		mg/L	0.0200	1.0000	< 0.0020		5	09/05/97	08/21/97
7440-39-3	BARIIUM	0.0820	0.0883	mg/L	0.0040	1.0000		0.0080	6	04/24/98	04/22/98
7440-39-3	BARIIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	7	09/29/98	09/29/98
7440-39-3	BARIIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	04/15/99	04/08/99
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	9	11/25/99	10/06/99
7440-39-3	BARIIUM	0.0147	0.0061	mg/L	0.0010	1.0000		< 0.0003	10	04/08/00	03/23/00
7440-39-3	BARIIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	11	10/28/00	10/05/00
7440-39-3	BARIIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	12	05/18/01	03/29/01
7440-39-3	BARIIUM	< 0.5000	< 0.5000	mg/L	0.5000	1.0000		< 0.0080	13	10/10/01	10/04/01
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	14	04/08/02	04/04/02
7440-39-3	BARIIUM	< 2.5000	< 2.5000	mg/L	2.5000	1.0000		< 0.1000	15	10/29/02	10/03/02
7440-39-3	BARIIUM	0.0680	0.0570	mg/L	0.0200	1.0000		< 0.1000	16	04/30/03	03/27/03
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	17	10/21/03	10/01/03

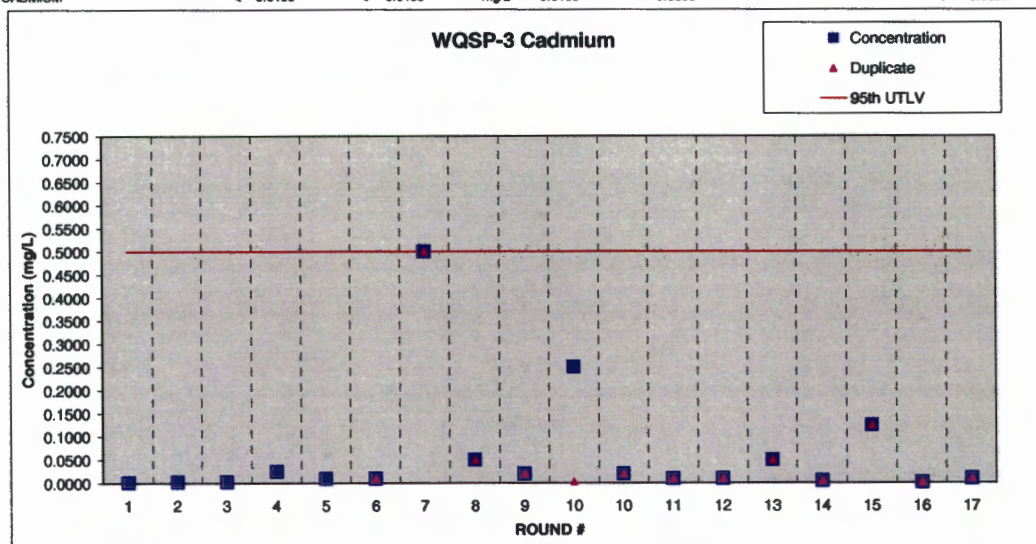


WQSP-3 Beryllium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0800	< 0.0800	mg/L	0.0800	0.1000		< 0.0020	1	10/20/95	09/19/95
7440-41-7	BERYLLIUM	0.0054		mg/L	0.0025	0.1000	< 0.0010		2	08/03/96	05/09/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.1000	< 0.0010		3	08/29/96	08/22/96
7440-41-7	BERYLLIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0010		4	08/13/97	05/22/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.1000	< 0.0010		5	09/05/97	08/21/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.1000		< 0.0010	6	04/24/98	04/22/98
7440-41-7	BERYLLIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	7	09/29/98	08/29/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	8	04/15/99	04/08/99
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.1000		< 0.0200	9	11/25/99	10/08/99
7440-41-7	BERYLLIUM	0.0035	0.0011	mg/L	0.0010	0.1000		< 0.0000	10	04/08/00	03/23/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	11	10/28/00	10/05/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	12	05/18/01	03/29/01
7440-41-7	BERYLLIUM	< 0.0125	< 0.0125	mg/L	0.0125	0.1000		< 0.0001	13	10/10/01	10/04/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.1000		< 0.0025	14	04/08/02	04/04/02
7440-41-7	BERYLLIUM	< 0.0625	< 0.0625	mg/L	0.0625	0.1000		< 0.0025	15	10/29/02	10/03/02
7440-41-7	BERYLLIUM	< 0.0007	< 0.0007	mg/L	0.0007	0.1000		< 0.0025	16	04/30/03	03/27/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0025	17	10/21/03	10/01/03

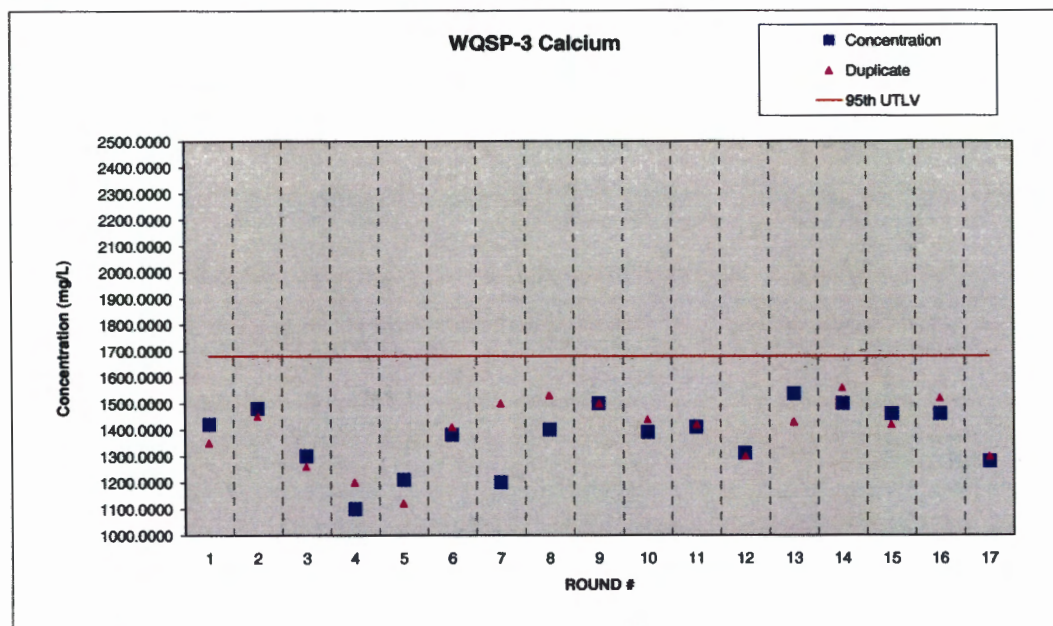


WQSP-3 Cadmium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
==	==	==	==	==	==	==	==	==	==	==	==
7440-43-9	CADMIUM	< 0.0013		mg/L	0.0013	0.5000		< 0.0013	1	10/18/95	09/19/95
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		2	06/03/96	05/08/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		3	08/29/96	08/22/96
7440-43-9	CADMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0010		4	06/13/97	05/22/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.5000	< 0.0010		5	09/05/97	08/21/97
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.5000		< 0.0010	6	04/24/98	04/22/98
7440-43-9	CADMIUM	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	7	09/29/98	08/26/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	04/15/99	04/08/99
7440-43-9	CADMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	9	11/25/99	10/06/99
7440-43-9	CADMIUM	< 0.2500	0.0025	mg/L	0.0050	0.5000		< 0.0000	10	04/06/00	03/23/00
7440-43-9	CADMIUM	< 0.0200	< 0.0200	mg/L	0.2000	0.5000			10	08/19/00	03/23/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	11	10/26/00	10/05/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	12	05/18/01	03/29/01
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0030	13	10/10/01	10/04/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	14	04/08/02	04/04/02
7440-43-9	CADMIUM	< 0.1250	< 0.1250	mg/L	0.1250	0.5000		< 0.0050	15	10/29/02	10/03/02
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.5000		< 0.0050	16	04/30/03	03/27/03
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0050	17	10/21/03	10/01/03

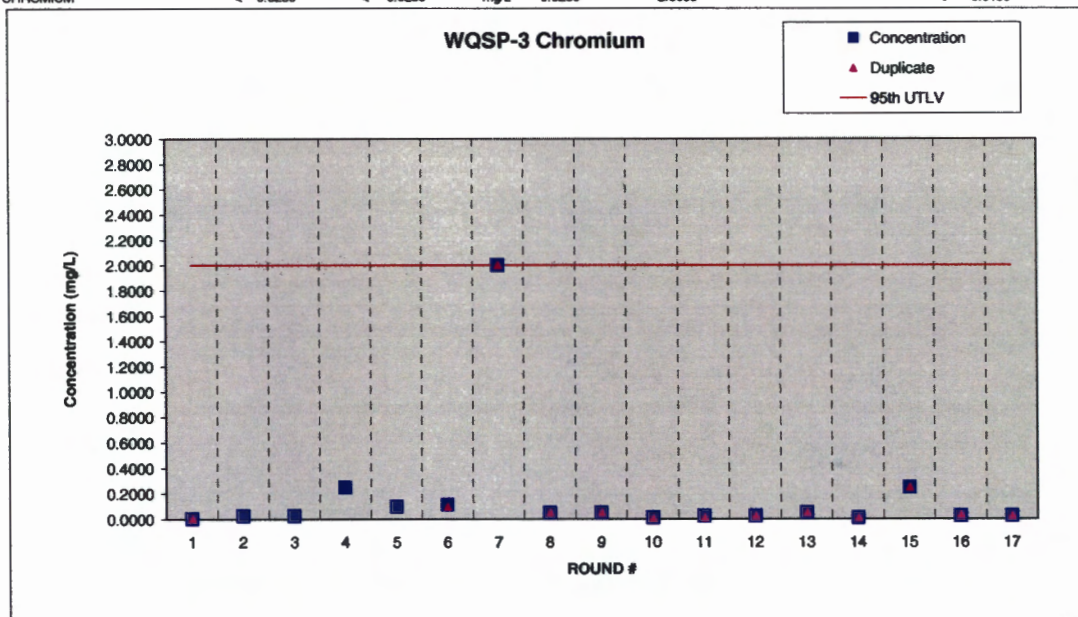


WQSP-3 Calcium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	1420.0000	1350.0000	mg/L	8.0000	1680.0000	< 0.2000	< 0.2000	1	10/20/96	09/19/96
7440-70-2	CALCIUM	1480.0000	1450.0000	mg/L	2.0000	1680.0000	< 0.2000	< 0.2000	2	08/03/96	05/09/96
7440-70-2	CALCIUM	1300.0000	1260.0000	mg/L	2.0000	1680.0000	< 0.2000	< 0.2000	3	08/29/96	08/22/96
7440-70-2	CALCIUM	1100.0000	1200.0000	mg/L	2.0000	1680.0000	< 0.2000	< 0.2000	4	08/13/97	05/22/97
7440-70-2	CALCIUM	1210.0000	1120.0000	mg/L	2.0000	1680.0000	< 0.2000	< 0.2000	5	08/05/97	08/21/97
7440-70-2	CALCIUM	1380.0000	1408.4000	mg/L	0.0120	1680.0000	< 0.2000	< 0.0120	6	04/24/98	04/22/98
7440-70-2	CALCIUM	1200.0000	1500.0000	mg/L	0.1000	1680.0000	< 0.1000	< 0.1000	7	09/29/98	08/28/98
7440-70-2	CALCIUM	1400.0000	1530.0000	mg/L	1.0000	1680.0000	< 1.0000	< 1.0000	8	04/15/99	04/08/99
7440-70-2	CALCIUM	1500.0000	1500.0000	mg/L	1.0000	1680.0000	< 1.0000	< 1.0000	9	11/25/99	10/08/99
7440-70-2	CALCIUM	1380.0000	1440.0000	mg/L	5.0000	1680.0000	0.1130	0.1130	10	04/09/00	03/23/00
7440-70-2	CALCIUM	1410.0000	1420.0000	mg/L	1.0000	1680.0000	< 1.0000	< 1.0000	11	10/24/00	10/05/00
7440-70-2	CALCIUM	1310.0000	1300.0000	mg/L	0.5000	1680.0000	< 0.5000	< 0.5000	12	08/25/01	03/29/01
7440-70-2	CALCIUM	1537.0000	1430.0000	mg/L	0.2000	1680.0000			13	10/17/01	10/04/01
7440-70-2	CALCIUM	1500.0000	1580.0000	mg/L	0.5000	1680.0000			14	04/15/02	04/04/02
7440-70-2	CALCIUM	1480.0000	1420.0000	mg/L	0.5000	1680.0000			15	10/17/02	10/03/02
7440-70-2	CALCIUM	1480.0000	1520.0000	mg/L	0.5000	1680.0000			16	04/29/03	03/27/03
7440-70-2	CALCIUM	1280.0000	1300.0000	mg/L	0.5000	1680.0000			17	10/07/03	10/01/03

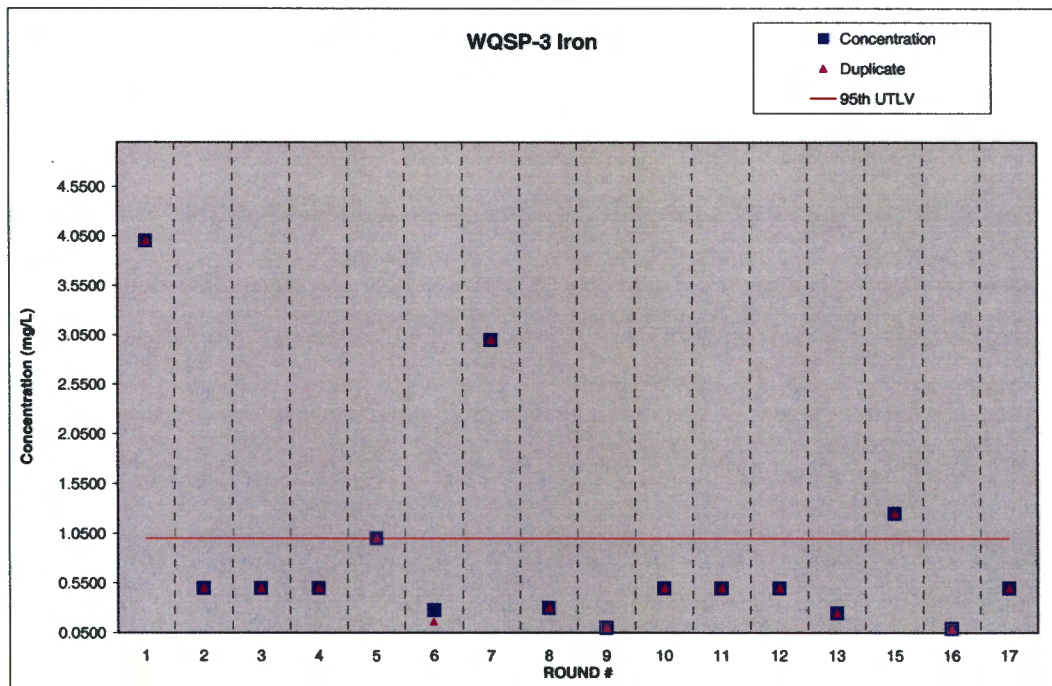


WQSP-3 Chromium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-47-3	CHROMIUM	0.0027	< 0.0025	mg/L	0.0025	2.0000		< 0.0025	1	10/18/96	09/19/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	2.0000	< 0.0100		2	06/03/98	05/08/98
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	2.0000	< 0.0100		3	08/29/98	08/22/98
7440-47-3	CHROMIUM	< 0.2500		mg/L	0.2500	2.0000	< 0.0100		4	08/13/97	05/22/97
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	2.0000	< 0.0100		5	09/05/97	08/21/97
7440-47-3	CHROMIUM	0.1140	0.0955	mg/L	0.0010	2.0000		< 0.0010	6	04/24/98	04/22/98
7440-47-3	CHROMIUM	< 2.0000	< 2.0000	mg/L	2.0000	2.0000		< 2.0000	7	09/29/98	08/26/98
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0500	8	04/15/98	04/08/98
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0500	9	11/25/99	10/06/99
7440-47-3	CHROMIUM	0.0119	0.0057	mg/L	0.0100	2.0000		< 0.0000	10	04/08/00	03/23/00
7440-47-3	CHROMIUM	< 0.0250	0.0110	mg/L	0.0250	2.0000		< 0.0250	11	10/28/00	10/05/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.0000		< 0.0250	12	05/18/01	03/29/01
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0020	13	10/10/01	10/04/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	2.0000		< 0.0100	14	04/08/02	04/04/02
7440-47-3	CHROMIUM	< 0.2500	< 0.2500	mg/L	0.2500	2.0000		< 0.0100	15	10/28/02	10/03/02
7440-47-3	CHROMIUM	0.0250	0.0330	mg/L	0.0250	2.0000		< 0.0100	16	04/30/03	03/27/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.0000		< 0.0100	17	10/21/03	10/01/03

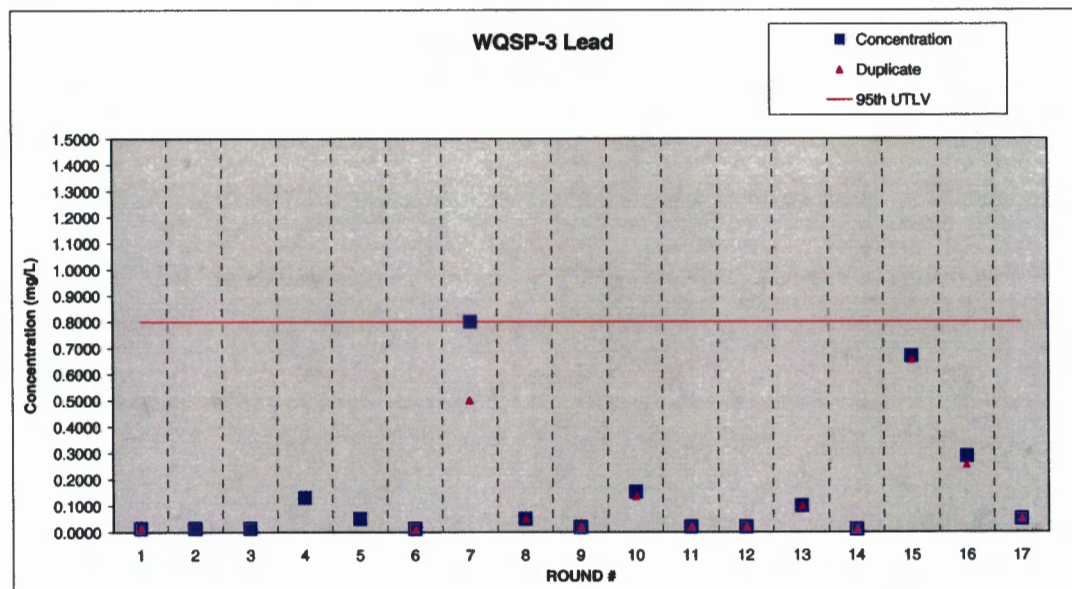


WQSP-3 Iron

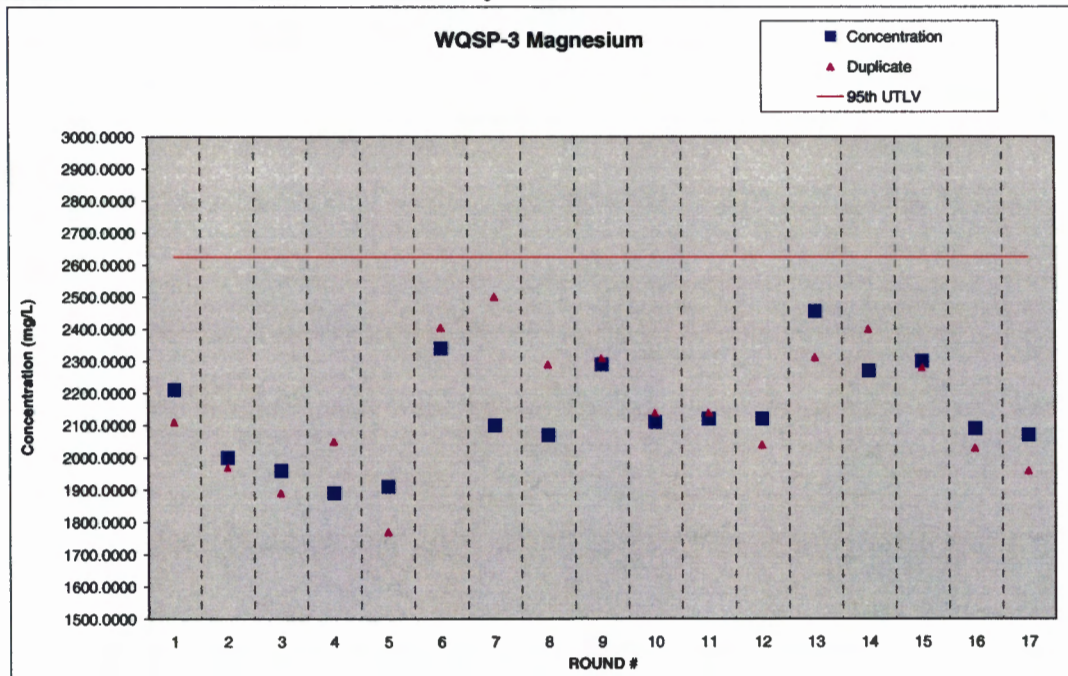
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-89-8	IRON	< 4.0000	< 4.0000	mg/L	4.0000	1.0000	< 0.0500	< 0.0500	1	10/20/95	09/19/95
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	2	06/03/96	05/09/96
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	3	08/29/96	08/22/96
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	4	08/13/97	05/22/97
7439-89-8	IRON	< 1.0000	< 1.0000	mg/L	1.0000	1.0000	< 0.1000	< 0.1000	5	09/05/97	08/21/97
7439-89-8	IRON	0.2770	0.1800	mg/L	0.0110	1.0000	< 0.0110	< 0.0110	6	04/24/98	04/22/98
7439-89-8	IRON	< 3.0000	< 3.0000	mg/L	3.0000	1.0000	< 3.0000	< 3.0000	7	09/29/98	08/25/98
7439-89-8	IRON	< 0.3000	< 0.3000	mg/L	0.3000	1.0000	< 0.3000	< 0.3000	8	04/15/99	04/08/99
7439-89-8	IRON	< 0.1000	< 0.1000	mg/L	0.1000	1.0000	< 0.1000	< 0.1000	9	11/25/99	10/08/99
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0014	< 0.0014	10	04/06/00	03/23/00
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.5000	< 0.5000	11	10/28/00	10/05/00
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.5000	< 0.5000	12	05/18/01	03/29/01
7439-89-8	IRON	< 0.2500	< 0.2500	mg/L	0.2500	1.0000	< 0.0080	< 0.0080	13	10/10/01	10/04/01
7439-89-8	IRON	< 1.2500	< 1.2500	mg/L	1.2500	1.0000	< 0.0500	< 0.0500	15	10/29/02	10/03/02
7439-89-8	IRON	0.0820	0.0850	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	16	04/30/03	03/27/03
7439-89-8	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	17	10/21/03	10/01/03



WQSP-3 Lead													
CAS #	PARAMETER	Concentration		VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
■	■	■	■	■	■	■	■	■	■	■	■	■	
7439-92-1	LEAD	<	0.0130	<	0.0130	mg/L	0.0130		<	0.0130	1	10/18/95	09/18/95
7439-92-1	LEAD	<	0.0130			mg/L	0.0130	<	0.0050		2	06/03/96	05/08/96
7439-92-1	LEAD	<	0.0130			mg/L	0.0130	<	0.0050		3	08/29/96	08/22/96
7439-92-1	LEAD	<	0.1300			mg/L	0.1300	<	0.0050		4	06/13/97	05/22/97
7439-92-1	LEAD	<	0.0500			mg/L	0.0500	<	0.0050		5	08/05/97	08/21/97
7439-92-1	LEAD		0.0120	<	0.0100	mg/L	0.0010		<	0.0010	6	04/24/98	04/22/98
7439-92-1	LEAD		0.8000	<	0.5000	mg/L	0.5000		<	0.0500	7	09/29/98	08/29/98
7439-92-1	LEAD	<	0.0500	<	0.0500	mg/L	0.0500		<	0.0500	8	04/15/99	04/08/99
7439-92-1	LEAD	<	0.0200	<	0.0200	mg/L	0.0200		<	0.0200	9	11/25/99	10/08/99
7439-92-1	LEAD		0.1530		0.1350	mg/L	0.0030		<	0.0003	10	04/08/00	03/23/00
7439-92-1	LEAD	<	0.0200	<	0.0200	mg/L	0.0200		<	0.0200	11	10/28/00	10/05/00
7439-92-1	LEAD	<	0.0200	<	0.0200	mg/L	0.0200		<	0.0200	12	05/18/01	03/29/01
7439-92-1	LEAD	<	0.1000	<	0.1000	mg/L	0.1000		<	0.0010	13	10/10/01	10/04/01
7439-92-1	LEAD	<	0.0100	<	0.0100	mg/L	0.0100		<	0.0100	14	04/08/02	04/04/02
7439-92-1	LEAD		0.6690		0.6540	mg/L	0.0200		<	0.0100	15	10/28/02	10/03/02
7439-92-1	LEAD		0.2880		0.2580	mg/L	0.0200		<	0.0100	16	04/30/03	03/27/03
7439-92-1	LEAD	<	0.0500	<	0.0500	mg/L	0.0500		<	0.0100	17	10/21/03	10/01/03

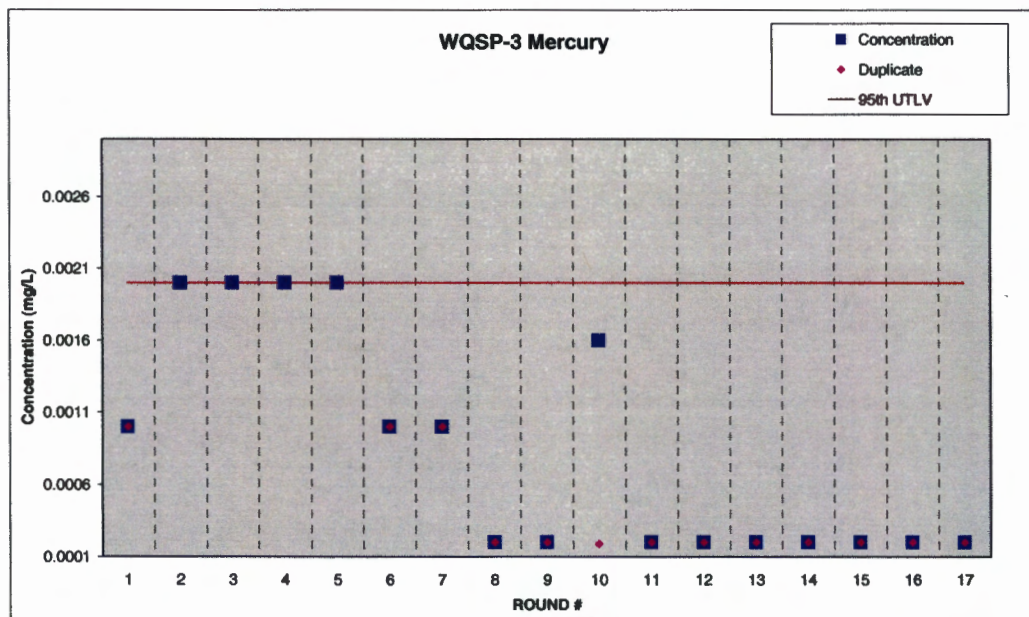


WQSP-3 Magnesium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-95-4	MAGNESIUM	2210.0000	2110.0000	mg/L	4.0000	2625.0000		< 0.1000	1	10/20/95	09/19/95
7439-95-4	MAGNESIUM	2000.0000	1970.0000	mg/L	0.5000	2625.0000	< 0.0500	< 0.0500	2	06/03/96	05/09/96
7439-95-4	MAGNESIUM	1960.0000	1890.0000	mg/L	0.5000	2625.0000	< 0.0500	< 0.0500	3	06/29/96	06/22/96
7439-95-4	MAGNESIUM	1890.0000	2050.0000	mg/L	1.0000	2625.0000	< 0.1000	< 0.1000	4	06/13/97	05/22/97
7439-95-4	MAGNESIUM	1910.0000	1770.0000	mg/L	1.0000	2625.0000	< 0.1000	< 0.1000	5	09/05/97	08/21/97
7439-95-4	MAGNESIUM	2340.0000	2404.0000	mg/L	0.0720	2625.0000		< 0.0720	6	04/24/98	04/22/98
7439-95-4	MAGNESIUM	2100.0000	2500.0000	mg/L	0.1000	2625.0000		< 0.0100	7	09/29/98	08/29/98
7439-95-4	MAGNESIUM	2070.0000	2290.0000	mg/L	1.0000	2625.0000		< 1.0000	8	04/15/99	04/08/99
7439-95-4	MAGNESIUM	2290.0000	2310.0000	mg/L	0.5000	2625.0000		< 0.5000	9	11/25/99	10/06/99
7439-95-4	MAGNESIUM	2110.0000	2140.0000	mg/L	5.0000	2625.0000		0.1270	10	04/06/00	03/23/00
7439-95-4	MAGNESIUM	2120.0000	2140.0000	mg/L	1.0000	2625.0000		< 1.0000	11	10/24/00	10/05/00
7439-95-4	MAGNESIUM	2120.0000	2040.0000	mg/L	0.5000	2625.0000		< 0.5000	12	06/25/01	03/29/01
7439-95-4	MAGNESIUM	2455.0000	2312.0000	mg/L	0.2000	2625.0000			13	10/17/01	10/04/01
7439-95-4	MAGNESIUM	2270.0000	2400.0000	mg/L	0.5000	2625.0000			14	04/15/02	04/04/02
7439-95-4	MAGNESIUM	2300.0000	2280.0000	mg/L	0.5000	2625.0000			15	10/17/02	10/03/02
7439-95-4	MAGNESIUM	2090.0000	2030.0000	mg/L	0.5000	2625.0000			16	04/29/03	03/27/03
7439-95-4	MAGNESIUM	2070.0000	1960.0000	mg/L	0.5000	2625.0000			17	10/07/03	10/01/03

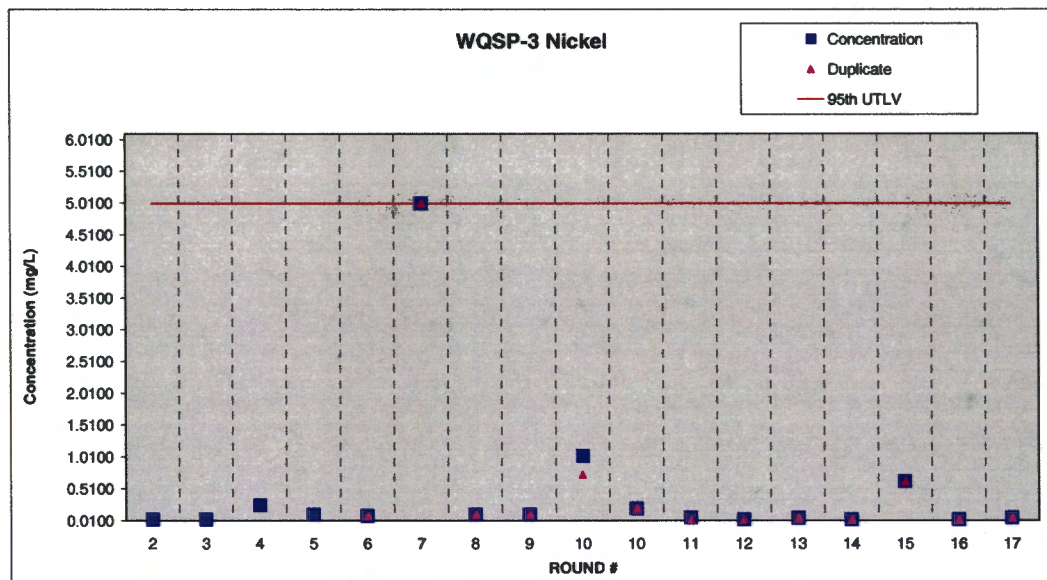


WQSP-3 Mercury

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020		< 0.0002	1	09/20/95	09/19/95
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		2	05/14/96	05/09/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		3	08/28/96	08/22/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		4	05/30/97	05/22/97
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		5	08/28/97	08/21/97
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0001	0.0020		< 0.0001	6	04/24/98	04/22/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020		< 0.0010	7	09/02/98	08/28/98
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	8	04/15/99	04/08/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	9	10/07/99	10/06/99
7439-97-6	MERCURY	0.0016	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	10	04/08/00	03/23/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0001	11	10/28/00	10/05/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	12	04/08/01	03/19/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0020	13	10/10/01	10/04/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	14	04/10/02	04/04/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			15	10/07/02	10/03/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			16	04/10/03	03/27/03
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			17	10/18/03	10/01/03

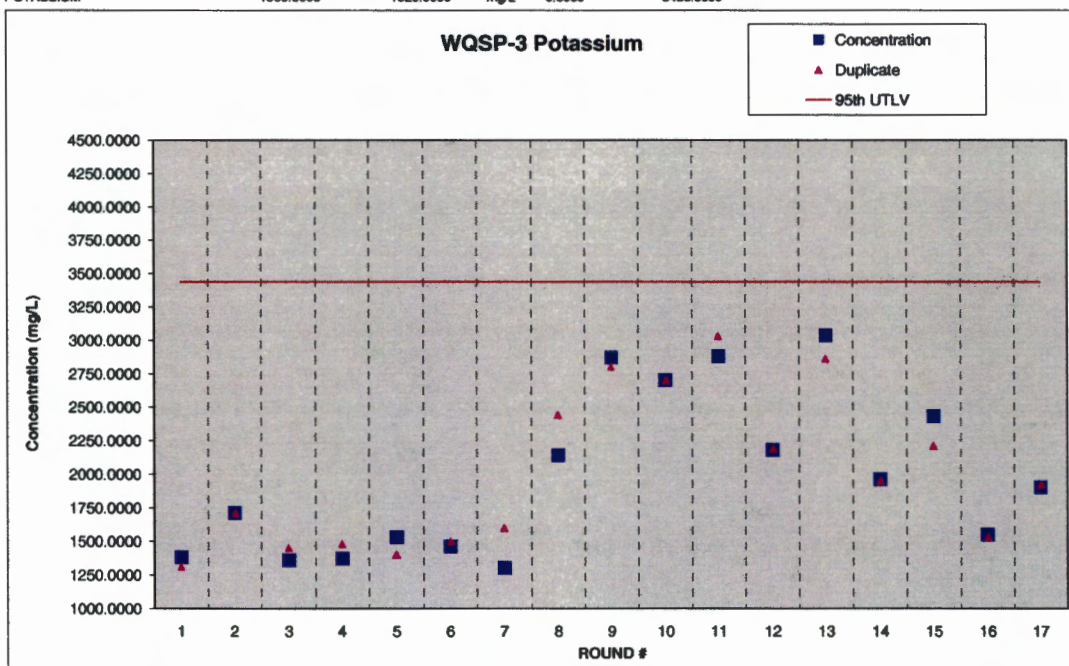


WQSP-3 Nickel												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
=	=	=	=	=	=	=	=	=	=	=	=	
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		2	08/03/96	05/09/96	
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		3	08/29/96	08/22/96	
7440-02-0	NICKEL	< 0.2500		mg/L	0.2500	5.0000	< 0.0100		4	06/13/97	05/22/97	
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		5	09/05/97	08/21/97	
7440-02-0	NICKEL	< 0.0800	< 0.0800	mg/L	0.0080	5.0000		< 0.0800	6	04/24/98	04/22/98	
7440-02-0	NICKEL	< 5.0000	< 5.0000	mg/L	5.0000	5.0000		< 5.0000	7	09/29/98	08/29/98	
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	8	04/15/99	04/08/99	
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	9	11/25/99	10/08/99	
7440-02-0	NICKEL	1.0200	0.7310	mg/L	0.0002	5.0000		0.0030	10	04/06/00	03/23/00	
7440-02-0	NICKEL	< 0.2000	< 0.2000	mg/L	0.2000	5.0000			10	06/19/00	03/23/00	
7440-02-0	NICKEL	0.0540	0.0150	mg/L	0.0250	5.0000		< 0.0250	11	10/28/00	10/05/00	
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	12	05/18/01	03/29/01	
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	5.0000		< 0.0020	13	10/10/01	10/04/01	
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	14	04/08/02	04/04/02	
7440-02-0	NICKEL	< 0.6250	< 0.6250	mg/L	0.6250	5.0000		< 0.0250	15	10/29/02	10/03/02	
7440-02-0	NICKEL	0.0280	0.0220	mg/L	0.0250	5.0000		< 0.0250	16	04/30/03	03/27/03	
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	5.0000		< 0.0250	17	10/21/03	10/01/03	

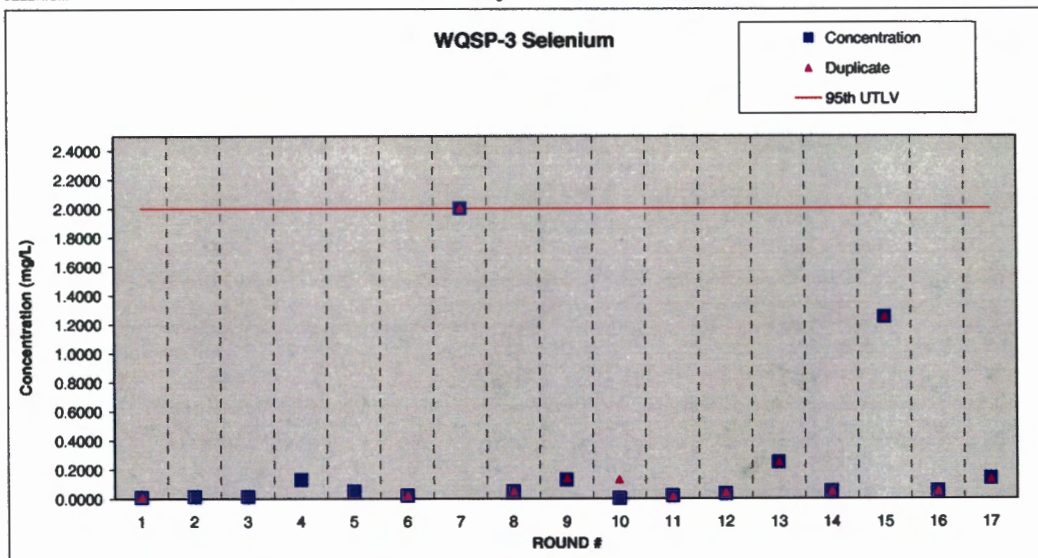


WQSP-3 Potassium

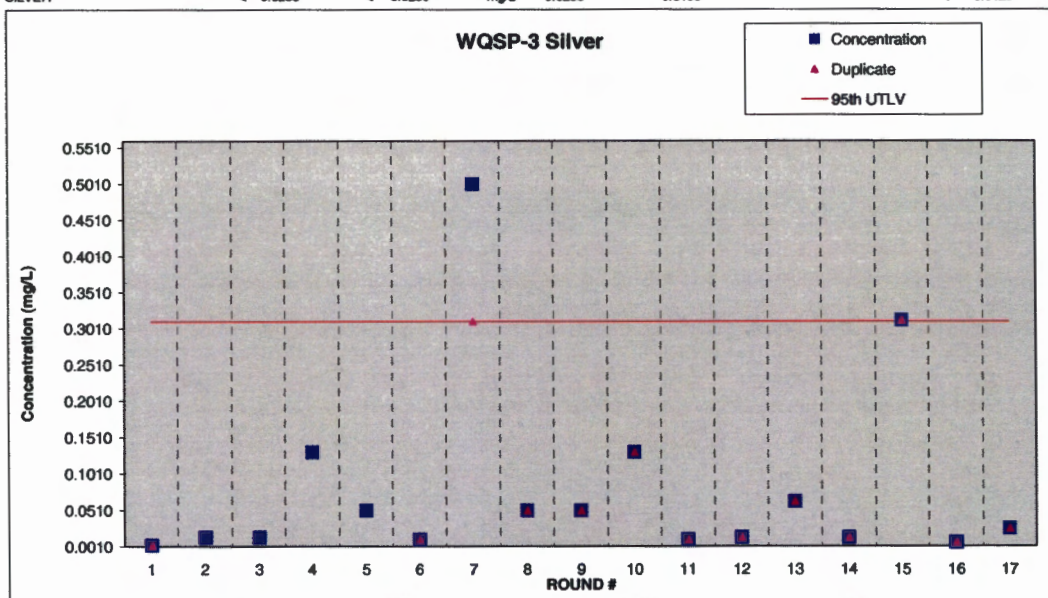
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-09-7	POTASSIUM	1380.0000	1310.0000	mg/L	8.0000	3438.0000		< 0.2000	1	10/20/95	09/19/95
7440-09-7	POTASSIUM	1710.0000	1710.0000	mg/L	0.2000	3438.0000	< 0.2000	< 0.2000	2	05/29/96	05/09/96
7440-09-7	POTASSIUM	1380.0000	1450.0000	mg/L	2.0000	3438.0000	< 0.2000	< 0.2000	3	08/29/96	08/22/96
7440-09-7	POTASSIUM	1370.0000	1480.0000	mg/L	2.0000	3438.0000	< 0.2000	< 0.2000	4	05/29/97	05/22/97
7440-09-7	POTASSIUM	1530.0000	1400.0000	mg/L	2.0000	3438.0000	< 0.2000	< 0.2000	5	08/28/97	08/21/97
7440-09-7	POTASSIUM	1480.0000	1502.0000	mg/L	0.0740	3438.0000		< 0.0740	6	04/24/98	04/22/98
7440-09-7	POTASSIUM	1300.0000	1600.0000	mg/L	0.1000	3438.0000		< 0.1000	7	09/29/98	08/29/98
7440-09-7	POTASSIUM	2140.0000	2440.0000	mg/L	1.0000	3438.0000		< 1.0000	8	04/15/99	04/08/99
7440-09-7	POTASSIUM	2870.0000	2800.0000	mg/L	0.5000	3438.0000		< 0.5000	9	11/25/99	10/07/99
7440-09-7	POTASSIUM	2700.0000	2700.0000	mg/L	5.0000	3438.0000		0.0540	10	04/08/00	03/23/00
7440-09-7	POTASSIUM	2880.0000	3030.0000	mg/L	1.0000	3438.0000		0.2000	11	10/24/00	10/05/00
7440-09-7	POTASSIUM	2180.0000	2190.0000	mg/L	0.5000	3438.0000		< 0.5000	12	06/25/01	03/29/01
7440-09-7	POTASSIUM	3035.0000	2882.0000	mg/L	0.2000	3438.0000			13	10/17/01	10/04/01
7440-09-7	POTASSIUM	1980.0000	1950.0000	mg/L	0.5000	3438.0000			14	05/08/02	04/04/02
7440-09-7	POTASSIUM	2430.0000	2210.0000	mg/L	0.5000	3438.0000			15	10/17/02	10/03/02
7440-09-7	POTASSIUM	1550.0000	1530.0000	mg/L	0.5000	3438.0000			16	04/29/03	03/27/03
7440-09-7	POTASSIUM	1900.0000	1820.0000	mg/L	0.5000	3438.0000			17	10/07/03	10/01/03



WQSP-3 Selenium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	2.0000		< 0.0100	1	10/08/95	09/19/95
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	2.0000	< 0.0050		2	06/03/96	05/09/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	2.0000	< 0.0050		3	08/29/96	08/22/96
7782-49-2	SELENIUM	< 0.1300		mg/L	0.1300	2.0000	< 0.0050		4	06/13/97	05/22/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	2.0000	< 0.0050		5	09/05/97	08/21/97
7782-49-2	SELENIUM	< 0.0200	< 0.0200	mg/L	0.0010	2.0000		< 0.0010	6	04/24/98	04/22/98
7782-49-2	SELENIUM	< 2.0000	< 2.0000	mg/L	2.0000	2.0000		< 2.0000	7	09/29/98	08/26/98
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0500	8	04/15/99	04/08/99
7782-49-2	SELENIUM	0.1290	0.1410	mg/L	0.0500	2.0000		< 0.0500	9	11/25/99	10/07/99
7782-49-2	SELENIUM	0.0023	< 0.1300	mg/L	0.1300	2.0000		< 0.0012	10	04/08/00	03/23/00
7782-49-2	SELENIUM	0.0180	0.0120	mg/L	0.0100	2.0000		< 0.0100	11	10/26/00	10/05/00
7782-49-2	SELENIUM	0.0330	0.0410	mg/L	0.0130	2.0000		< 0.0130	12	05/18/01	03/29/01
7782-49-2	SELENIUM	< 0.2500	< 0.2500	mg/L	0.2500	2.0000		< 0.0030	13	10/10/01	10/04/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0500	14	04/08/02	04/04/02
7782-49-2	SELENIUM	< 1.2500	< 1.2500	mg/L	1.2500	2.0000		< 0.0500	15	10/29/02	10/03/02
7782-49-2	SELENIUM	< 0.0505	< 0.0505	mg/L	0.0505	2.0000		< 0.0500	16	04/30/03	03/27/03
7782-49-2	SELENIUM	0.1400	0.1340	mg/L	0.0250	2.0000		< 0.0500	17	10/21/03	10/01/03

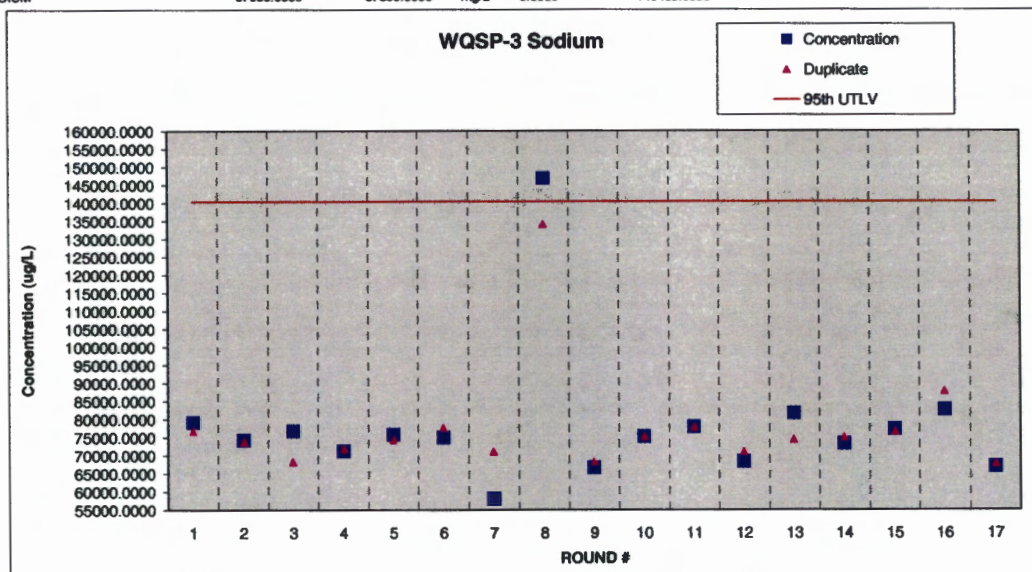


WQSP-3 Silver												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
=	=	=	=	=	=	=	=	=	=	=	=	
7440-22-4	SILVER	< 0.0025	< 0.0025	mg/L	0.0025	0.3100		< 0.0025	1	10/18/95	09/19/95	
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.3100	< 0.0050		2	06/03/96	05/09/96	
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.3100	< 0.0050		3	08/29/96	08/22/96	
7440-22-4	SILVER	< 0.1300		mg/L	0.1300	0.3100	< 0.0050		4	08/13/97	05/22/97	
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.3100	< 0.0050		5	09/05/97	08/21/97	
7440-22-4	SILVER	< 0.0100	< 0.0100	mg/L	0.0010	0.3100		< 0.0010	6	04/24/98	04/22/98	
7440-22-4	SILVER	< 0.5000	0.3100	mg/L	0.5000	0.3100		< 0.5000	7	09/29/98	08/28/98	
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.3100		< 0.0500	8	04/15/99	04/08/99	
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.3100		< 0.0500	9	11/25/99	10/06/99	
7440-22-4	SILVER	< 0.1300	< 0.1300	mg/L	0.1300	0.3100		< 0.0010	10	04/09/00	03/23/00	
7440-22-4	SILVER	< 0.0100	< 0.0100	mg/L	0.0100	0.3100		< 0.0100	11	10/29/00	10/05/00	
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.3100		< 0.0130	12	05/18/01	03/29/01	
7440-22-4	SILVER	< 0.0825	< 0.0825	mg/L	0.0825	0.3100		0.0000	13	10/10/01	10/04/01	
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.3100		< 0.0125	14	04/08/02	04/04/02	
7440-22-4	SILVER	< 0.3120	< 0.3120	mg/L	0.3120	0.3100		< 0.0125	15	10/29/02	10/03/02	
7440-22-4	SILVER	< 0.0080	< 0.0080	mg/L	0.0080	0.3100		< 0.0125	16	04/30/03	03/27/03	
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.3100		< 0.0125	17	10/21/03	10/01/03	



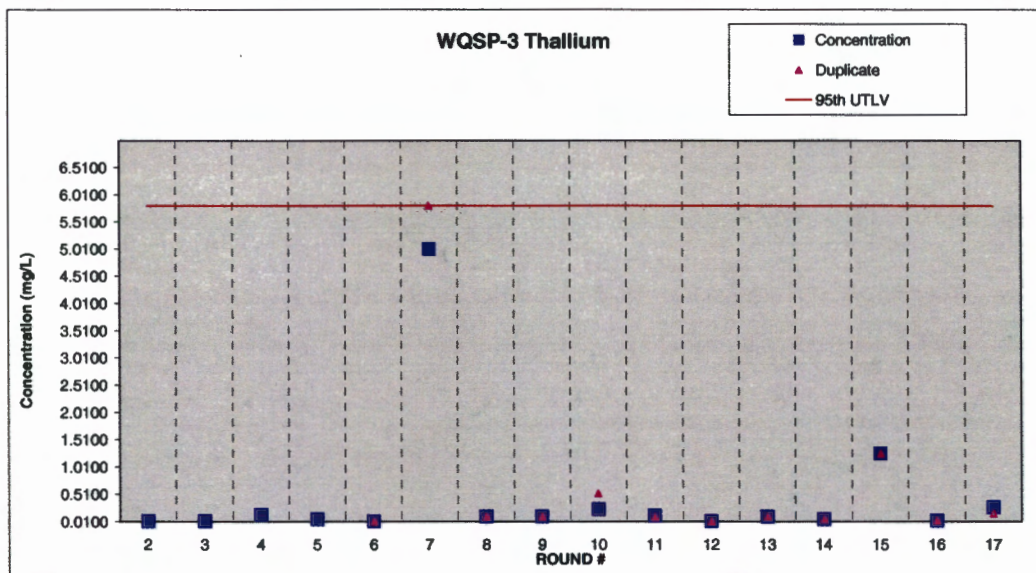
WQSP-3 Sodium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	79100.0000	76700.0000	mg/L	100.0000	140400.0000		< 0.5000	1	10/20/95	09/19/95
7440-23-5	SODIUM	74200.0000	73700.0000	mg/L	50.0000	140400.0000	< 0.5000	< 0.5000	2	05/29/96	05/09/96
7440-23-5	SODIUM	76700.0000	68200.0000	mg/L	50.0000	140400.0000	< 0.5000	< 0.5000	3	08/29/96	08/22/96
7440-23-5	SODIUM	71200.0000	71800.0000	mg/L	25.0000	140400.0000	< 0.5000	< 0.5000	4	05/29/97	05/22/97
7440-23-5	SODIUM	75700.0000	74200.0000	mg/L	25.0000	140400.0000	< 0.5000	< 0.5000	5	08/28/97	08/21/97
7440-23-5	SODIUM	74900.0000	77880.0000	mg/L	0.0330	140400.0000		< 0.0330	6	04/24/98	04/22/98
7440-23-5	SODIUM	58000.0000	71000.0000	mg/L	0.1000	140400.0000		< 0.1000	7	09/29/98	08/28/98
7440-23-5	SODIUM	148800.0000	134000.0000	mg/L	1.0000	140400.0000		< 1.0000	8	04/15/99	04/08/99
7440-23-5	SODIUM	66800.0000	68300.0000	mg/L	1.0000	140400.0000		< 1.0000	9	11/25/99	10/08/99
7440-23-5	SODIUM	75200.0000	75200.0000	mg/L	5.0000	140400.0000		0.2400	10	04/08/00	03/23/00
7440-23-5	SODIUM	77800.0000	77800.0000	mg/L	5.0000	140400.0000		0.4000	11	12/22/00	10/05/00
7440-23-5	SODIUM	68300.0000	71100.0000	mg/L	0.5000	140400.0000		< 0.5000	12	06/25/01	03/29/01
7440-23-5	SODIUM	81600.0000	74400.0000	mg/L	0.2000	140400.0000			13	10/18/01	10/04/01
7440-23-5	SODIUM	73200.0000	75100.0000	mg/L	0.5000	140400.0000			14	04/15/02	04/04/02
7440-23-5	SODIUM	77200.0000	76500.0000	mg/L	0.5000	140400.0000			15	10/17/02	10/03/02
7440-23-5	SODIUM	82800.0000	87800.0000	mg/L	0.5000	140400.0000			16	04/29/03	03/27/03
7440-23-5	SODIUM	67000.0000	67800.0000	mg/L	0.5000	140400.0000			17	12/08/03	10/01/03

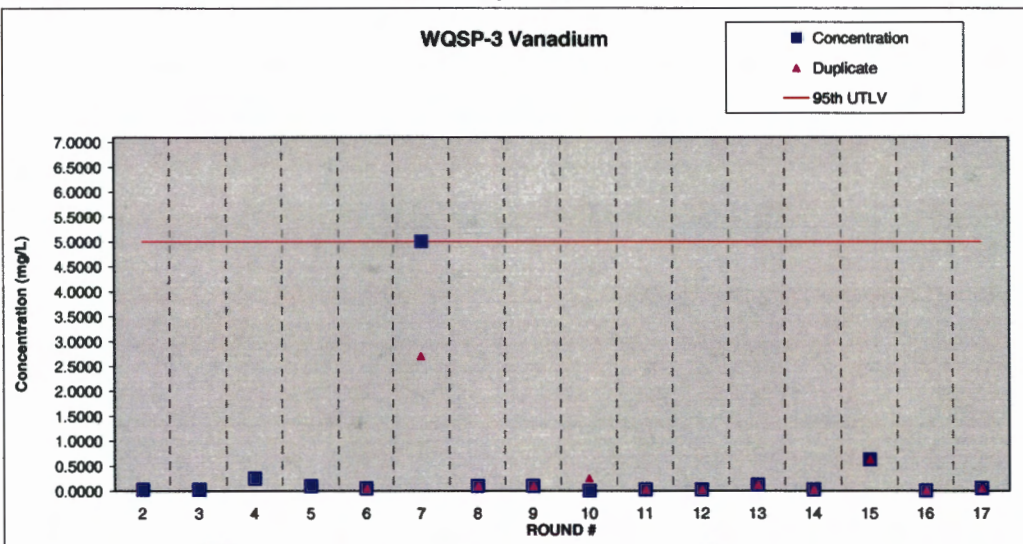


WQSP-3 Thallium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	5.8000	< 0.0050		2	08/03/98	05/08/98
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	5.8000	< 0.0050		3	08/29/98	08/22/98
7440-28-0	THALLIUM	< 0.1300		mg/L	0.1300	5.8000	< 0.0050		4	08/13/97	05/22/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	5.8000	< 0.0050		5	09/05/97	08/21/97
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0010	5.8000		< 0.0010	6	04/24/98	04/22/98
7440-28-0	THALLIUM	< 5.0000	5.8000	mg/L	5.0000	5.8000		< 5.0000	7	09/29/98	08/26/98
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.8000		< 0.1000	8	04/15/99	04/08/99
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.8000		< 0.1000	9	11/25/99	10/07/99
7440-28-0	THALLIUM	0.2320	0.5230	mg/L	0.0100	5.8000		0.0025	10	04/08/00	03/23/00
7440-28-0	THALLIUM	0.1140	0.0870	mg/L	0.0500	5.8000		0.0180	11	10/29/00	10/05/00
7440-28-0	THALLIUM	< 0.0130	< 0.0100	mg/L	0.0130	5.8000		< 0.0130	12	05/18/01	03/29/01
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.8000		< 0.0140	13	10/10/01	10/04/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	5.8000		< 0.0500	14	04/08/02	04/04/02
7440-28-0	THALLIUM	< 1.2500	< 1.2500	mg/L	1.2500	5.8000		< 0.0500	15	10/29/02	10/03/02
7440-28-0	THALLIUM	< 0.0300	< 0.0300	mg/L	0.0300	5.8000		< 0.0500	16	04/30/03	03/27/03
7440-28-0	THALLIUM	0.2710	0.1580	mg/L	0.0250	5.8000		< 0.0500	17	10/21/03	10/01/03



WQSP-3 Vanadium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	5.0000	< 0.0100	0.0000	2	06/03/96	05/08/96
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	5.0000	< 0.0100	0.0000	3	08/29/96	08/22/96
7440-82-2	VANADIUM	< 0.2500		mg/L	0.2500	5.0000	< 0.0100		4	06/13/97	05/22/97
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		5	09/05/97	08/21/97
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0050	5.0000		< 0.0500	6	04/24/98	04/22/98
7440-82-2	VANADIUM	< 5.0000	< 2.7000	mg/L	5.0000	5.0000		< 5.0000	7	09/29/98	08/26/98
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	8	04/15/99	04/08/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	9	11/25/99	10/07/99
7440-82-2	VANADIUM	0.0003	< 0.2500	mg/L	0.0100	5.0000		0.0002	10	04/08/00	03/23/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	11	10/28/00	10/05/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	12	05/18/01	03/29/01
7440-82-2	VANADIUM	< 0.1250	< 0.1250	mg/L	0.1250	5.0000		< 0.0006	13	10/10/01	10/04/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	14	04/08/02	04/04/02
7440-82-2	VANADIUM	< 0.6250	< 0.6250	mg/L	0.6250	5.0000		< 0.0250	15	10/29/02	10/03/02
7440-82-2	VANADIUM	< 0.0052	< 0.0052	mg/L	0.0052	5.0000		< 0.0250	16	04/30/03	03/27/03
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	5.0000		< 0.0250	17	10/21/03	10/01/03



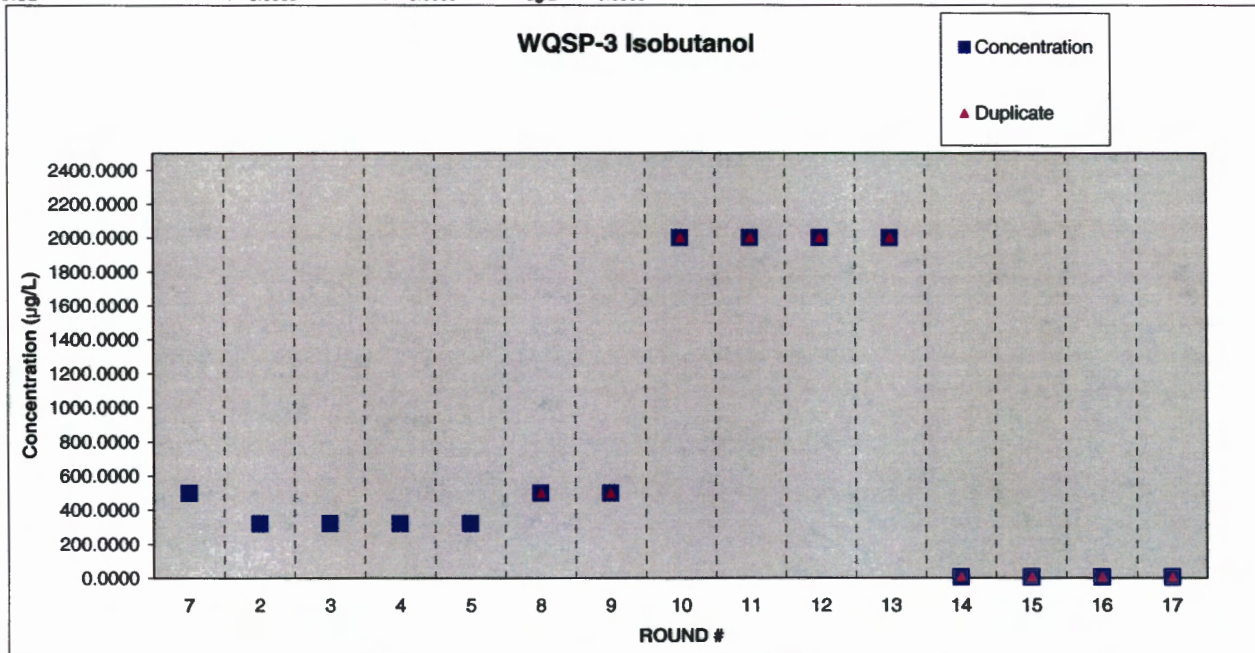
WELL WQSP-3

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**



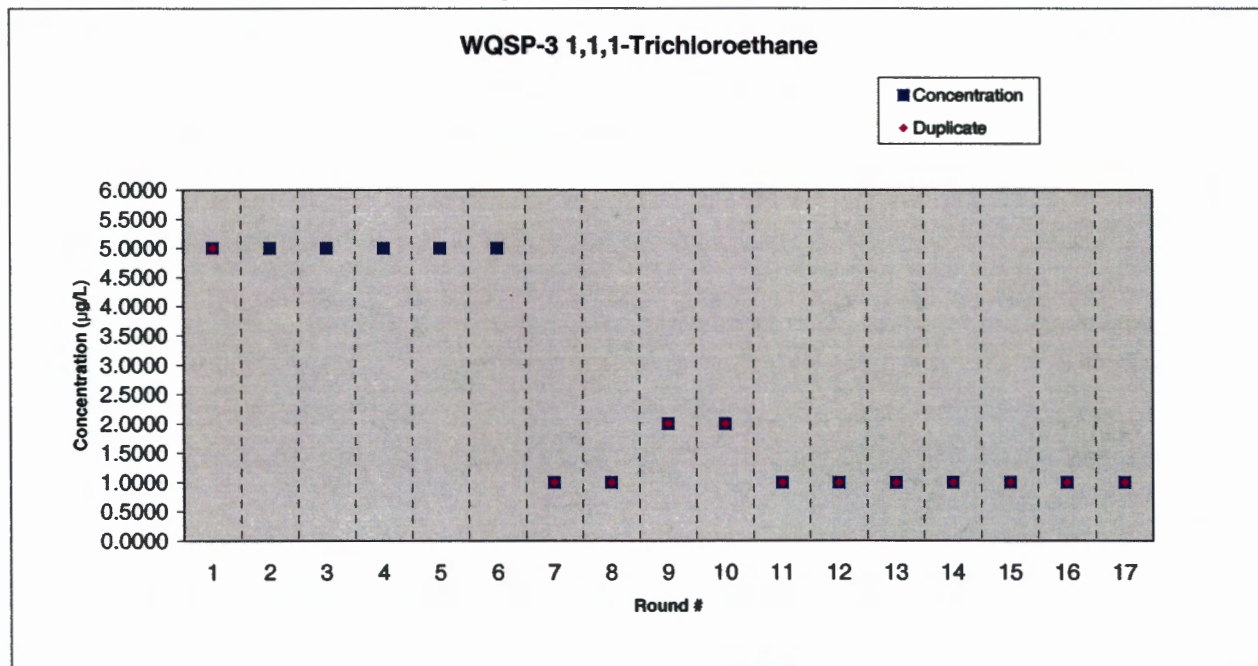
WQSP-3 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-83-1	ISOBUTANOL	< 500.0000		ug/L				< 500.0000	7	09/08/98	08/25/98
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	2	05/22/96	05/09/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	3	08/26/96	08/22/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		4	05/28/97	05/22/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		5	09/04/97	08/21/97
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	8	04/20/99	4/8/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	9	10/13/99	10/6/99
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	10		
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	11	10/11/00	10/05/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				12	04/05/01	03/29/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				13	09/27/01	10/04/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/04/02	04/04/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/12/02	10/03/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/05/03	03/27/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/07/03	10/01/03



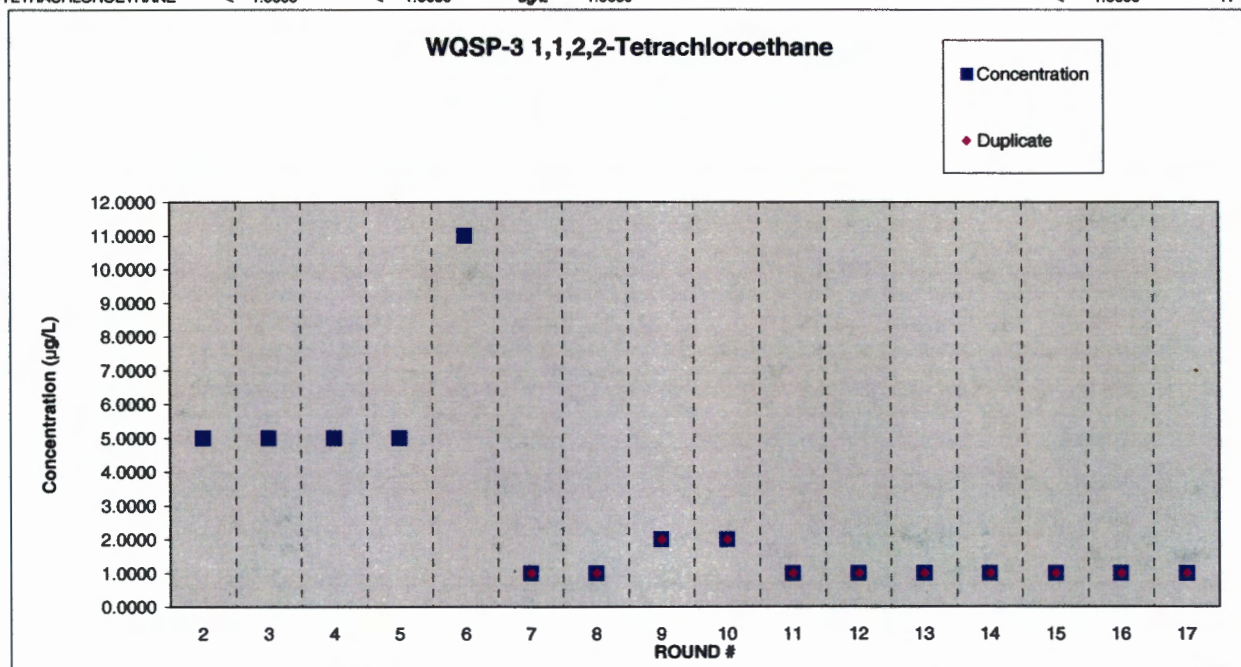
WQSP-3 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	09/26/95	09/19/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



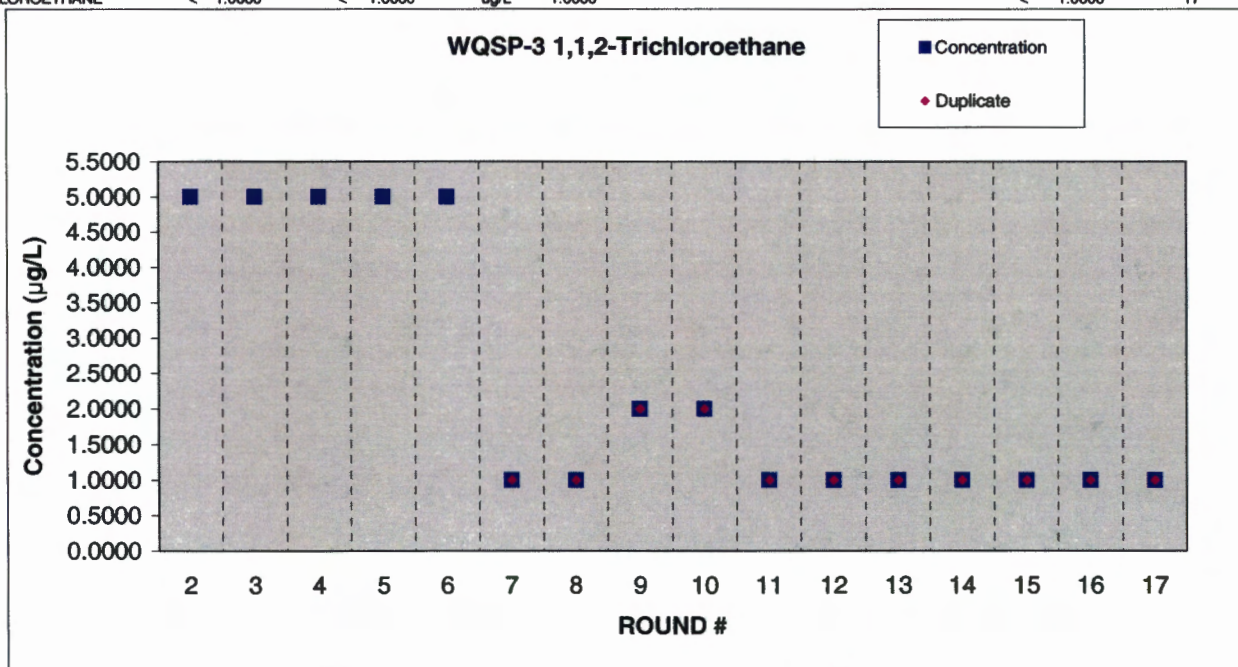
WQSP-3 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



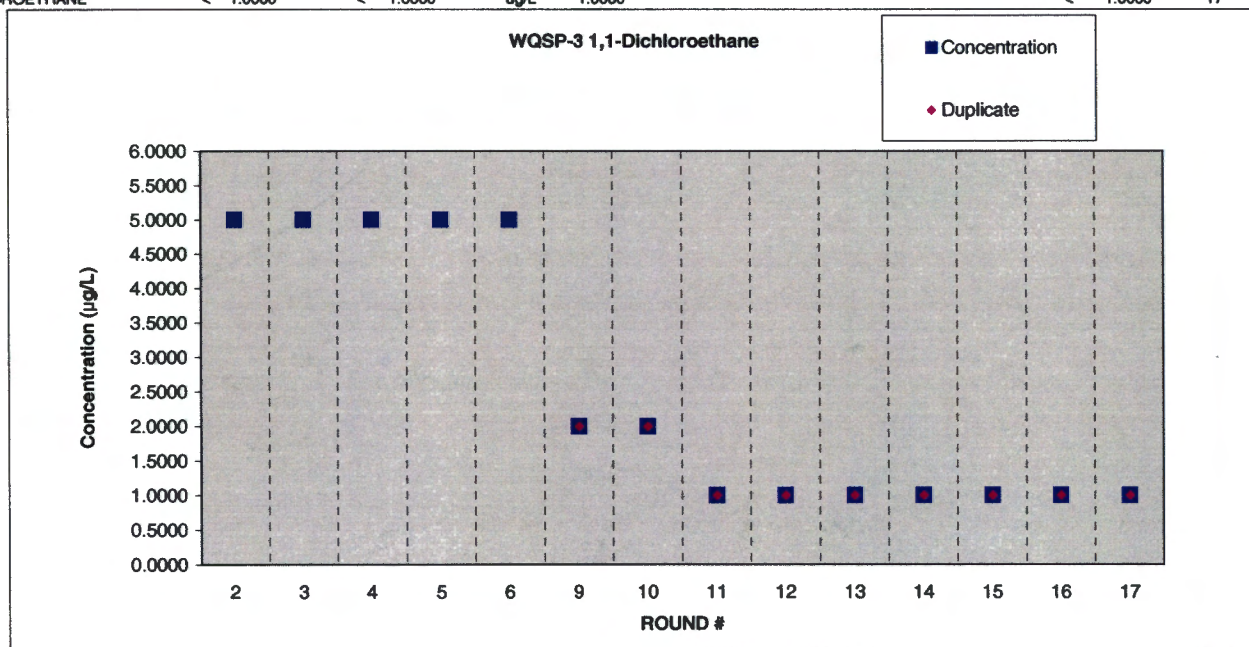
WQSP-3 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



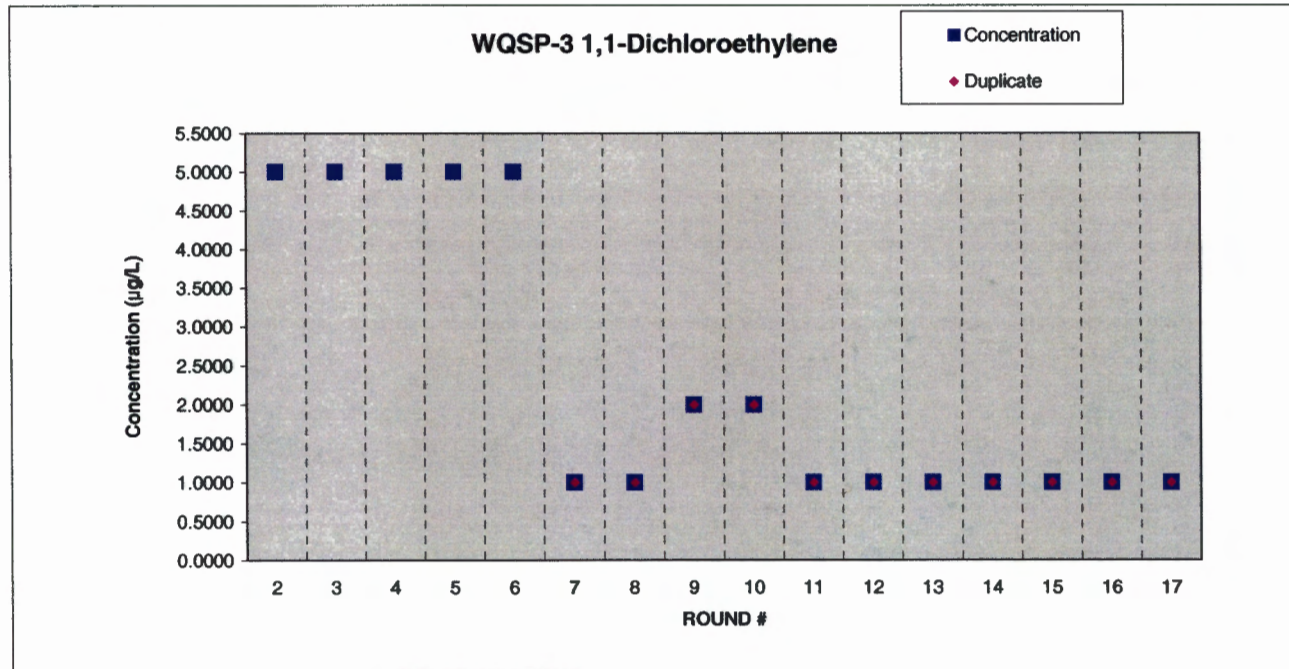
WQSP-3 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



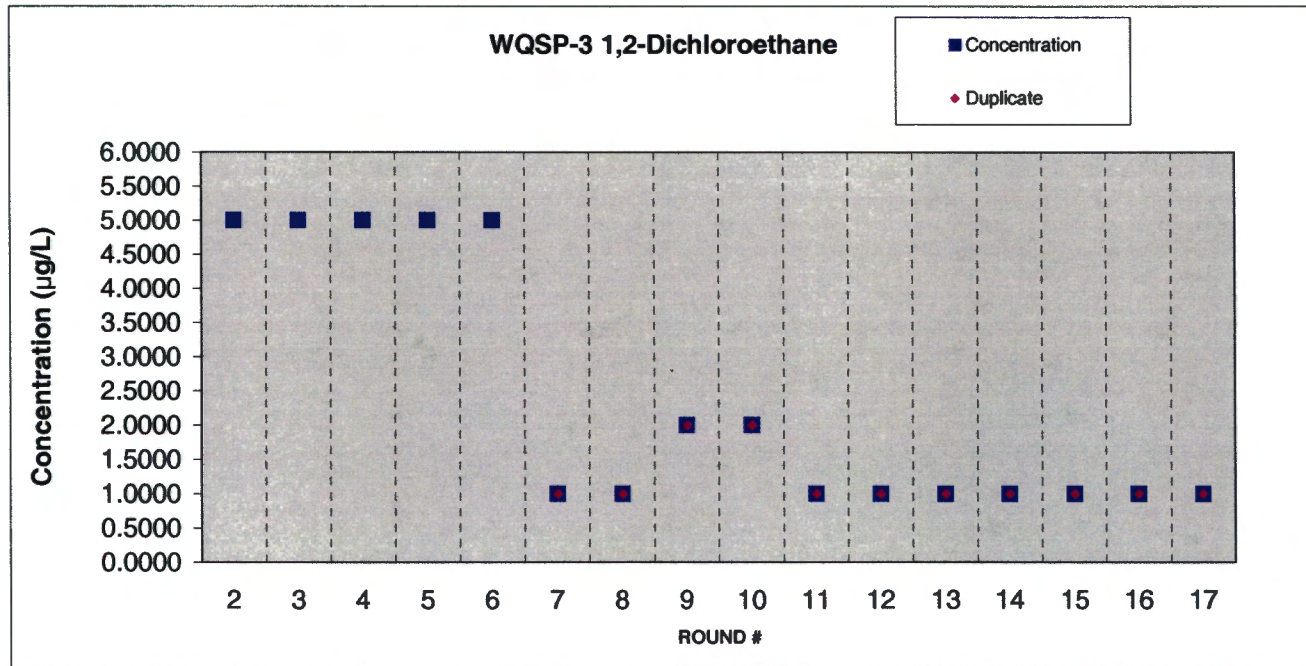
WQSP-3 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L				< 5.0000	6	04/24/98	4/21/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



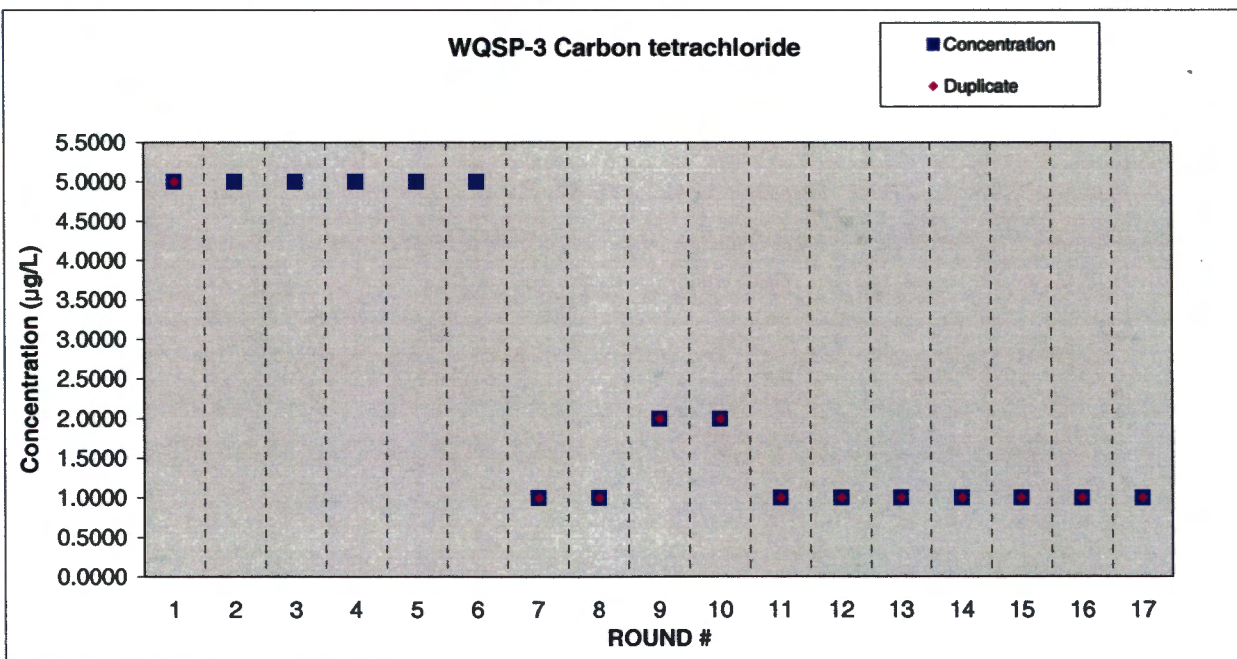
WQSP-3 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



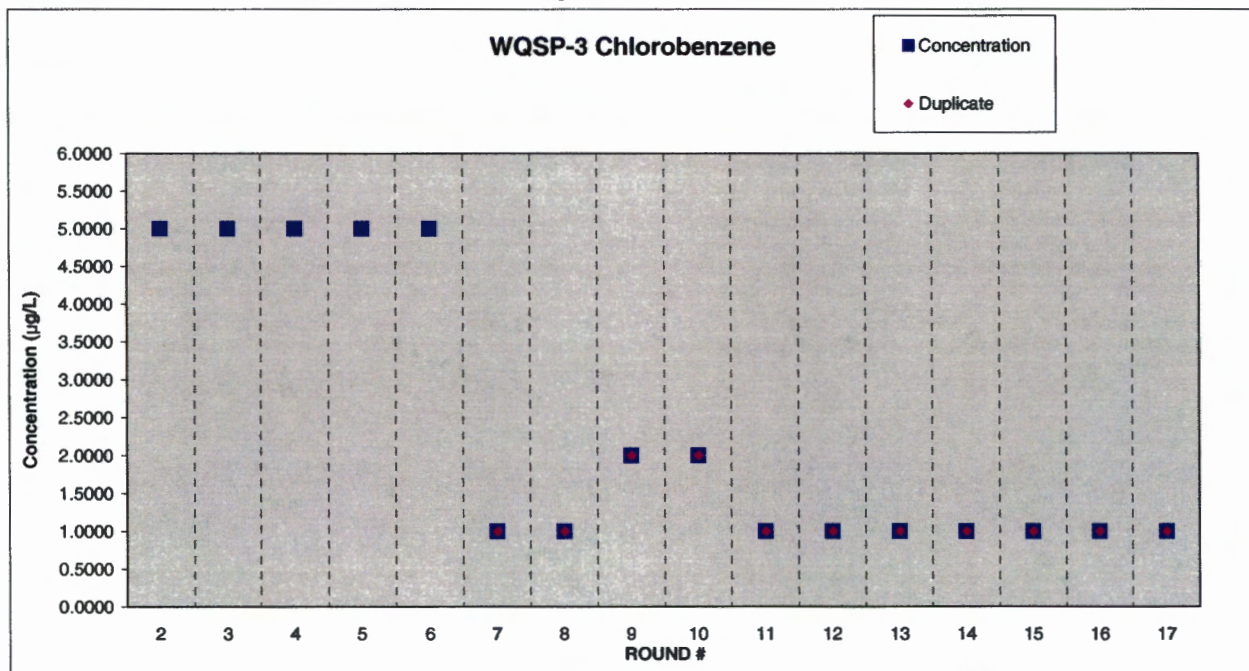
WQSP-3 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	09/26/95	09/19/95
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



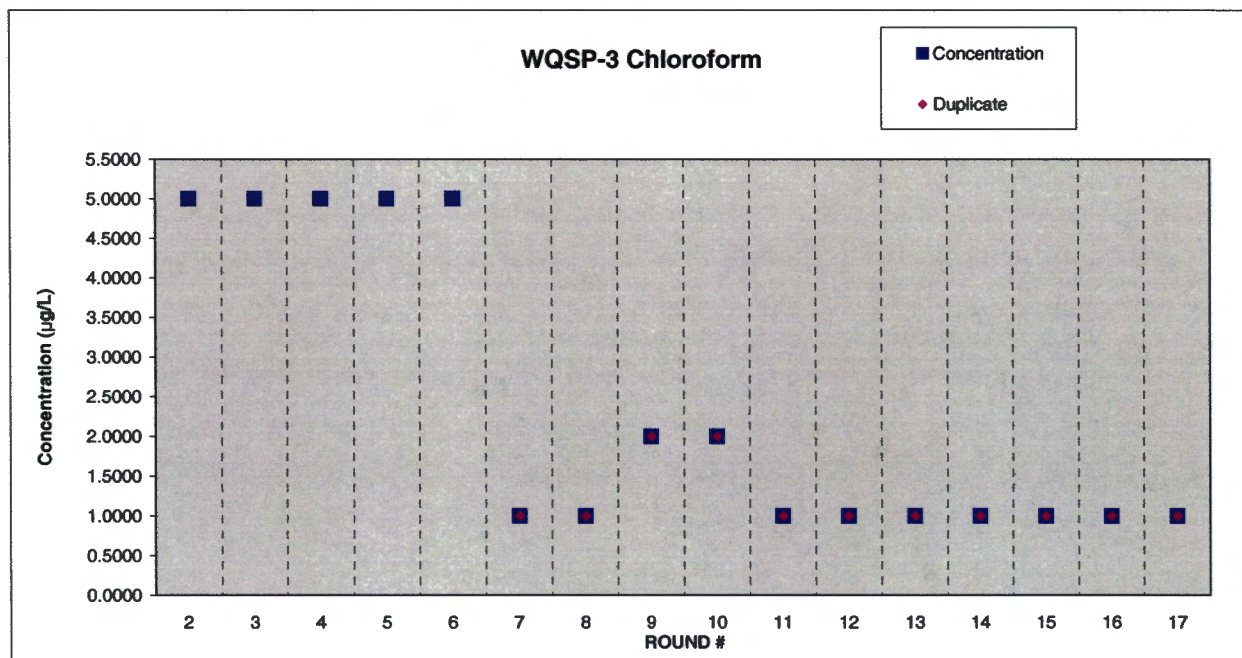
WQSP-3 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



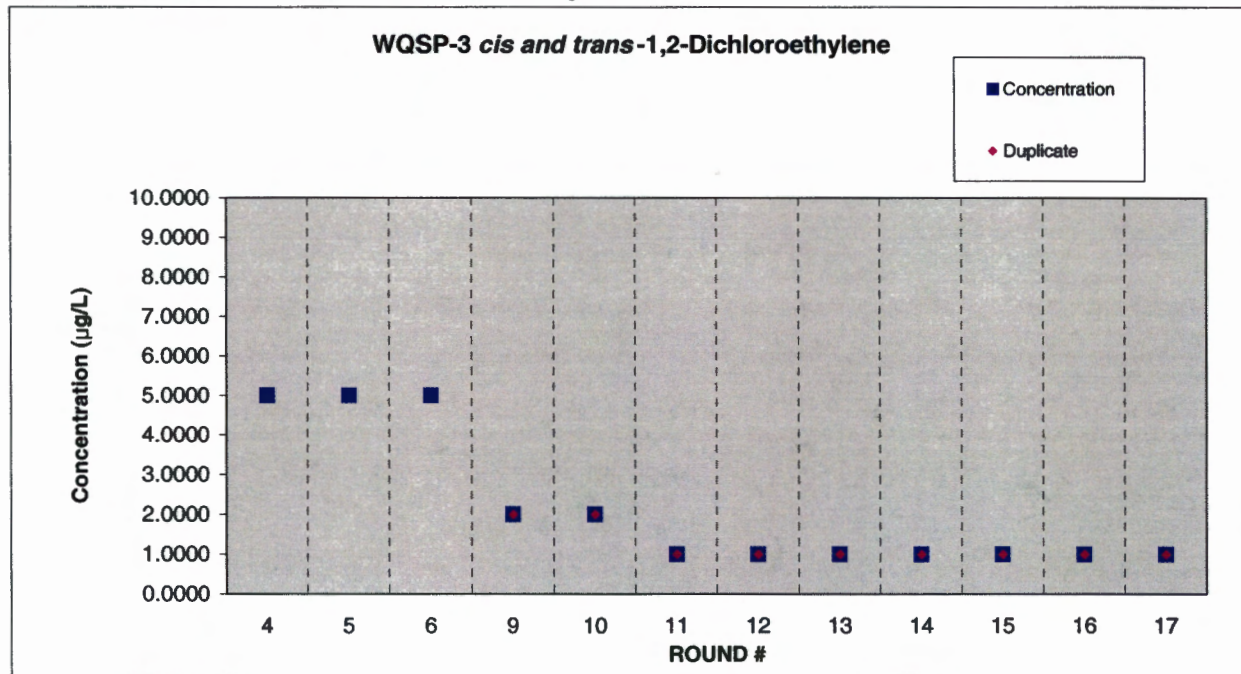
WQSP-3 Chloroform

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



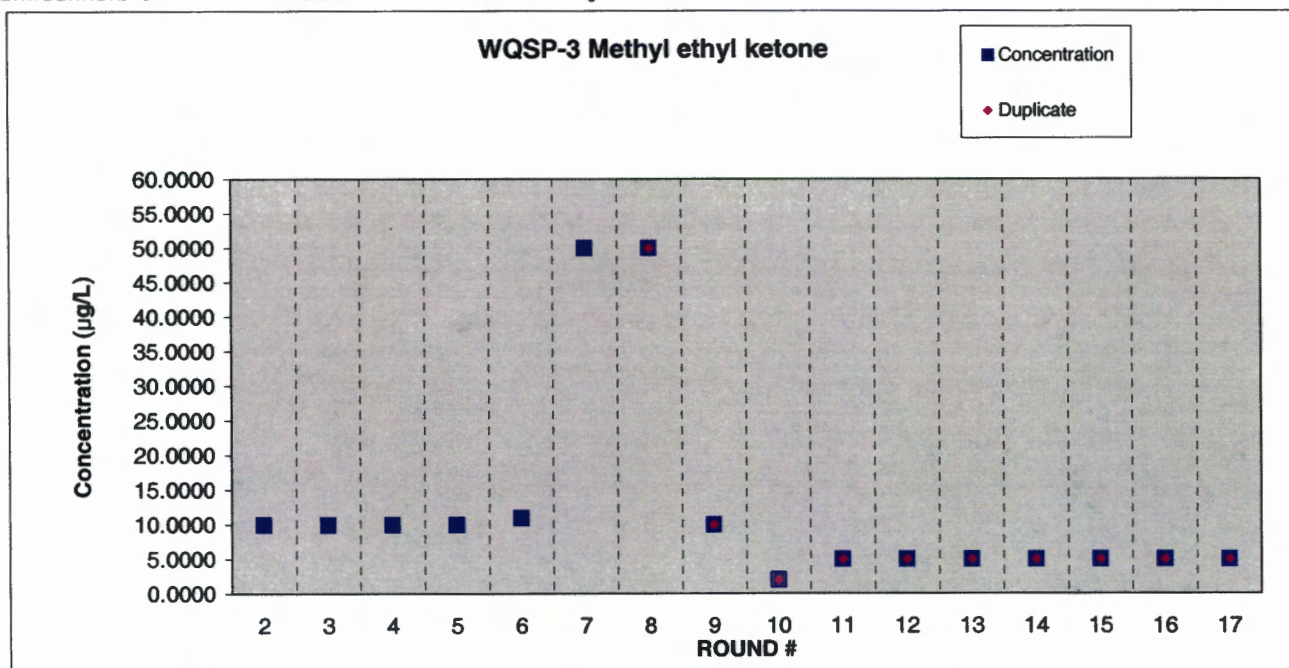
WQSP-3 cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



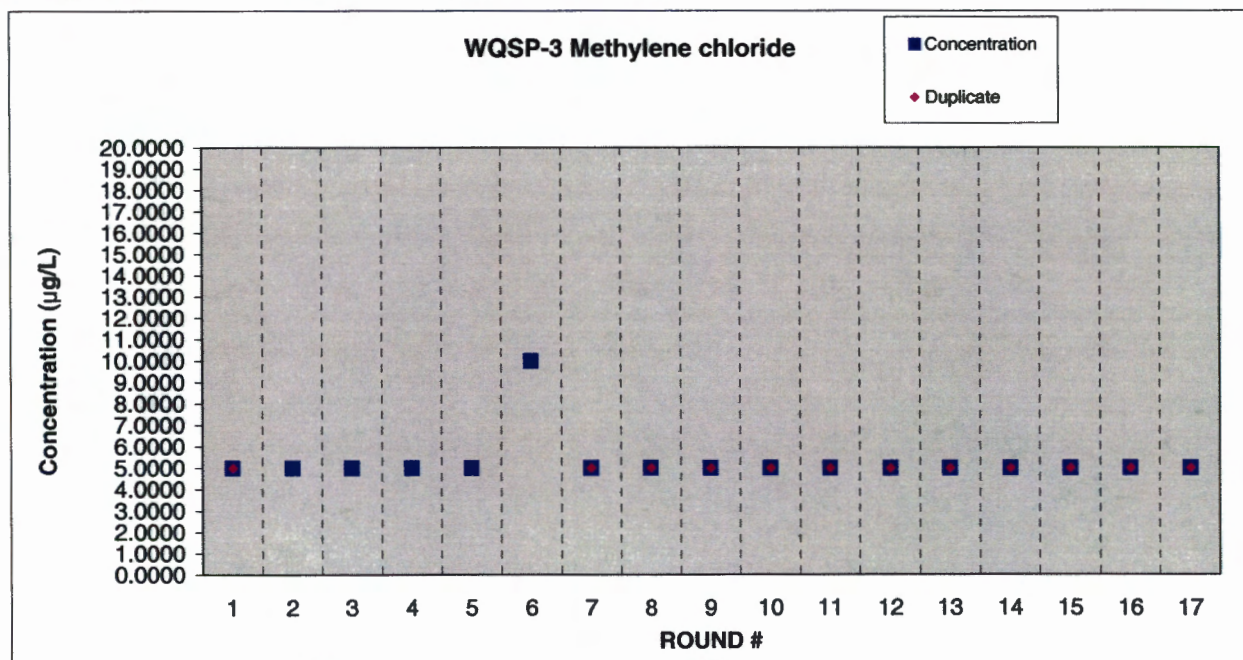
WQSP-3 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/15/96	05/09/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/26/96	08/22/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/22/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/25/97	08/21/97
78-93-3	METHYL ETHYL KETONE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	09/08/98	8/25/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	04/09/99	4/8/99
78-93-3	METHYL ETHYL KETONE	< 10.0000	< 10.0000	ug/L	10.0000			< 10.0000	9	10/11/99	10/06/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	10/14/00	10/05/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			3.0400	12	04/11/01	03/29/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	10/12/01	10/04/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	04/04/02	04/04/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	10/11/02	10/03/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/04/03	03/27/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/07/03	10/01/03



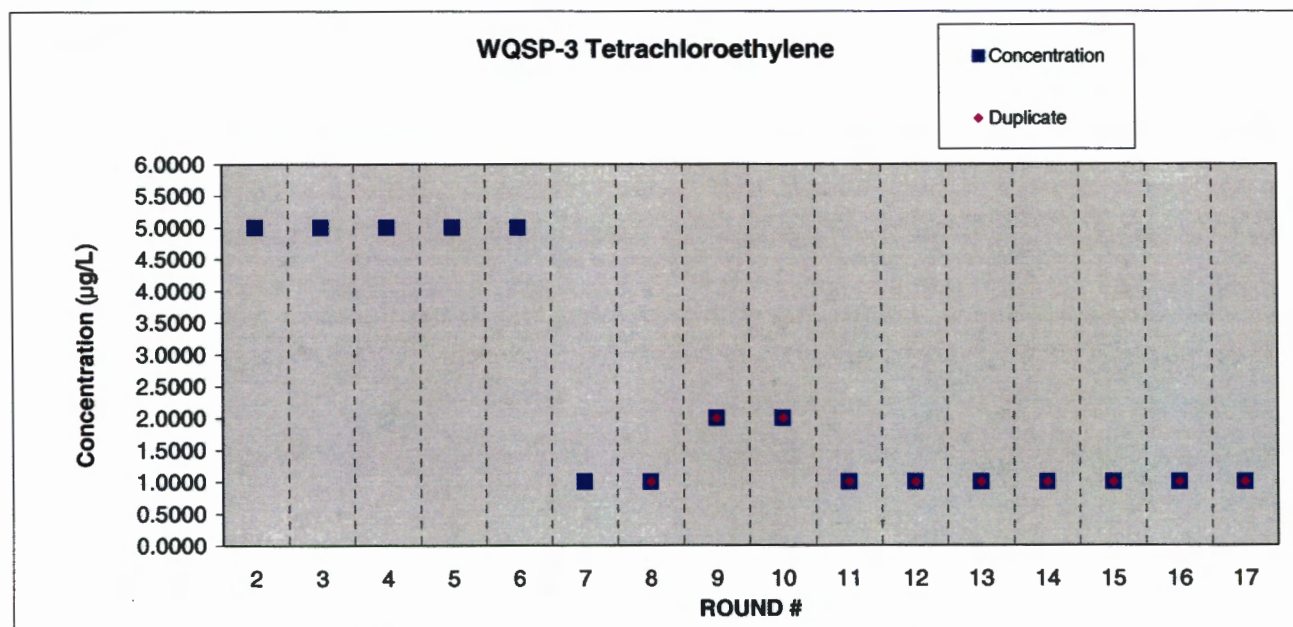
WQSP-3 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	09/26/95	09/19/95
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
75-09-2	METHYLENE CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	7	09/08/98	08/26/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	04/09/99	04/09/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	10/11/99	10/06/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	03/30/00	03/23/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	10/14/00	10/05/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	04/11/01	03/29/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	10/12/01	10/04/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	04/04/02	04/04/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	10/11/02	10/03/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/04/03	03/27/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/07/03	10/01/03



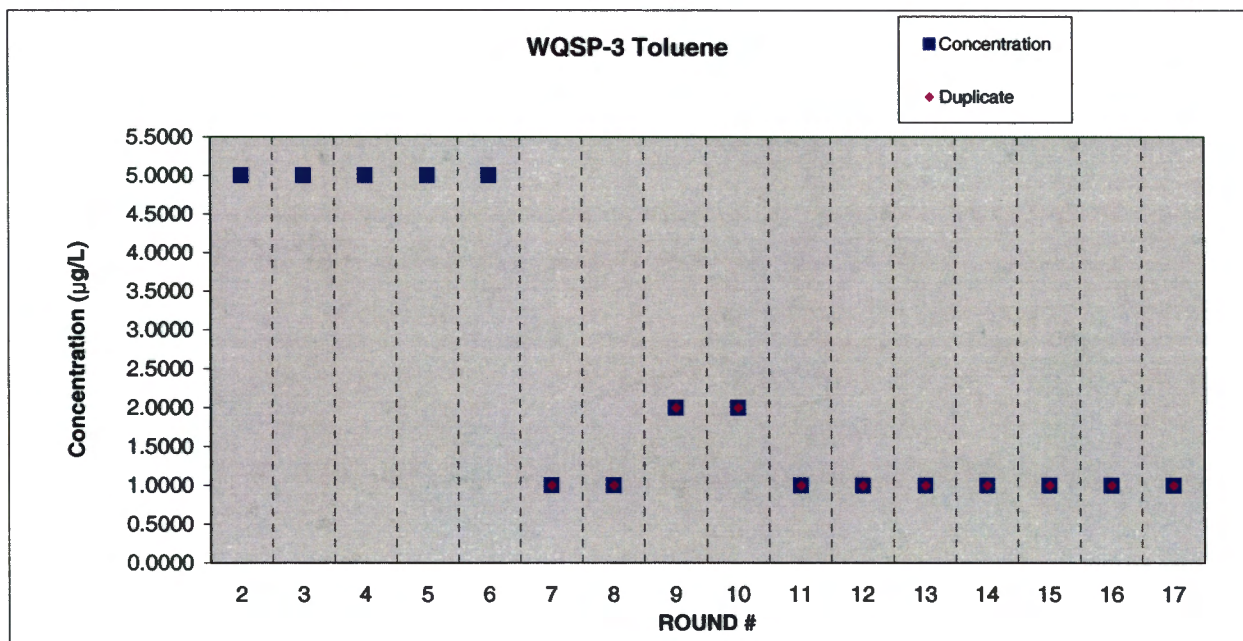
WQSP-3 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	4/21/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000		ug/L	1.0000			< 1.0000	7	09/08/98	8/25/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	4/8/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



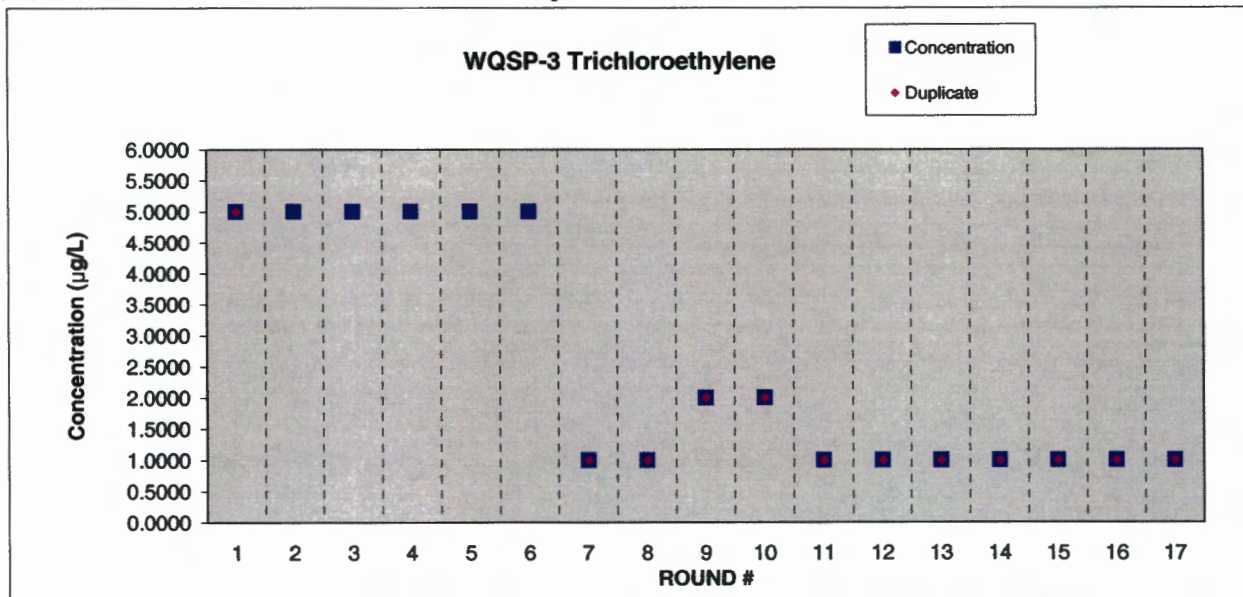
WQSP-3 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/09/98	08/26/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



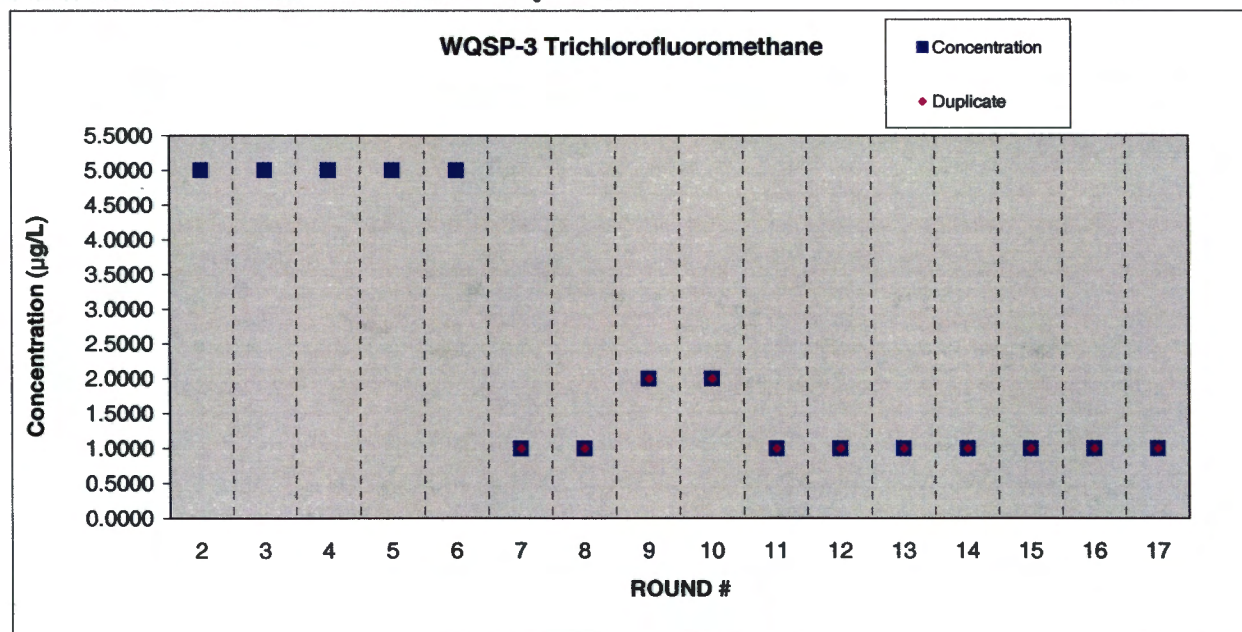
WQSP-3 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHYLENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	09/26/95	09/19/95
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	4/21/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



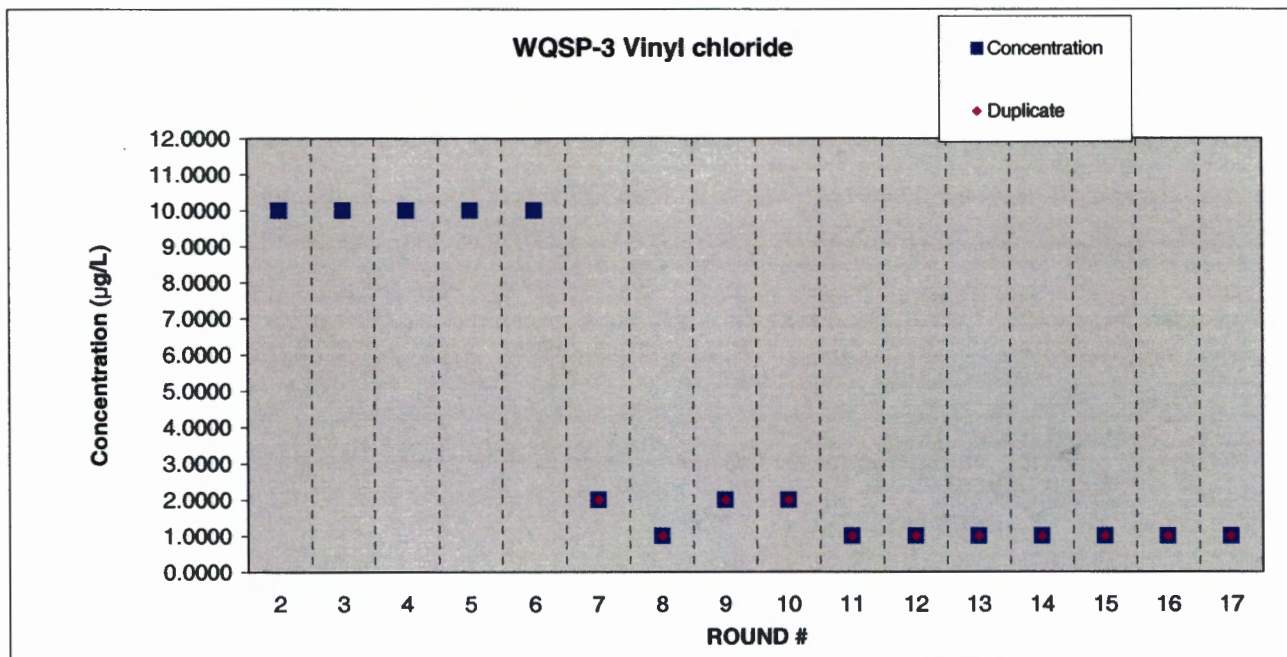
WQSP-3 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/15/96	05/09/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	08/26/96	08/22/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	05/27/97	05/22/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/25/97	08/21/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/08/98	08/26/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	04/08/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/06/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



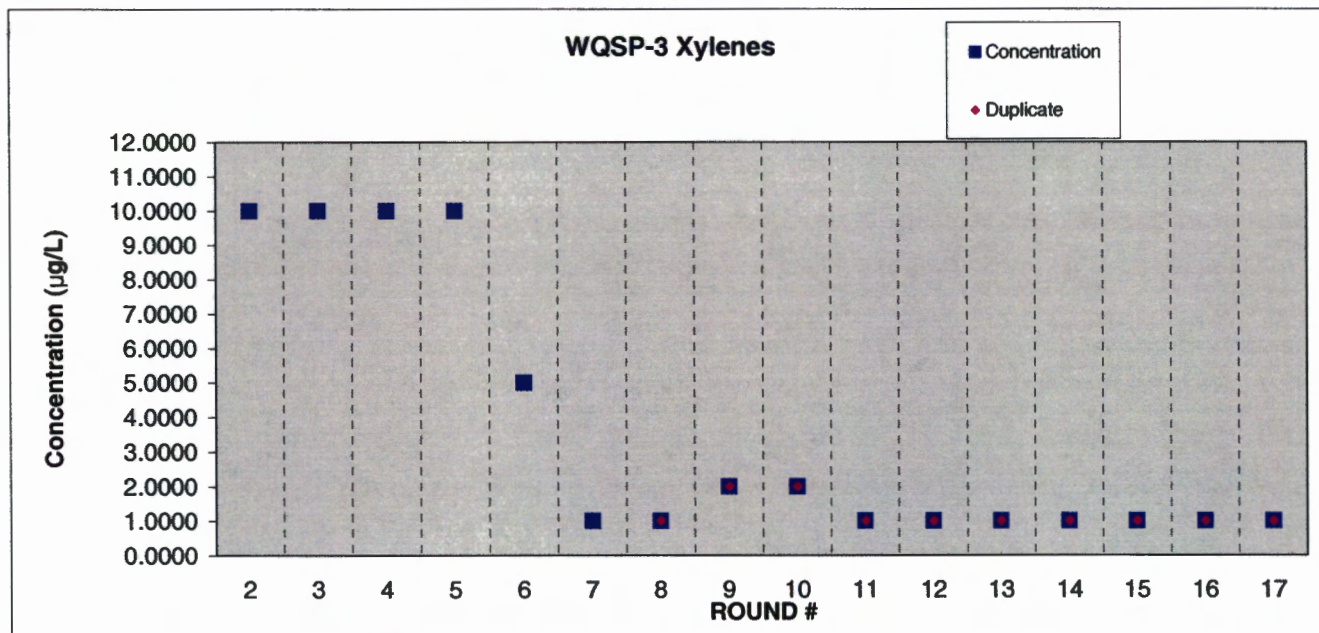
WQSP-3 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/15/96	05/09/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/26/96	08/22/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/22/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	08/25/97	08/21/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		7	09/08/98	08/26/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/09/99	04/08/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		9	10/11/99	10/06/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000		< 2.0000		10	03/30/00	03/23/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		11	10/14/00	10/05/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		12	04/11/01	03/29/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		13	10/12/01	10/04/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		14	04/04/02	04/04/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		15	10/11/02	10/03/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		16	04/04/03	03/27/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		17	10/07/03	10/01/03



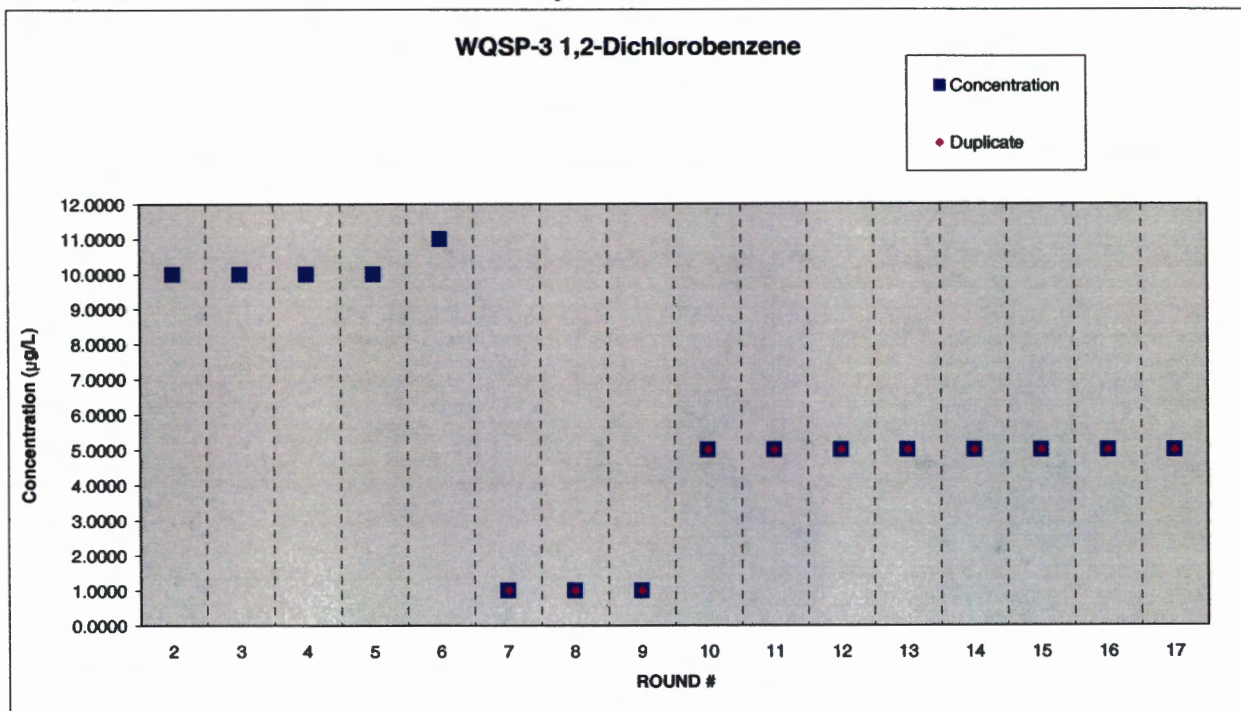
WQSP-3 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/15/96	05/09/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	08/26/96	08/22/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	05/27/97	05/22/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	08/25/97	08/21/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	04/24/98	04/22/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	09/08/98	4/21/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/09/99	4/8/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/11/99	10/08/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	03/30/00	03/23/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/14/00	10/05/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/11/01	03/29/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/12/01	10/04/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/04/02	04/04/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/11/02	10/03/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/04/03	03/27/03
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/07/03	10/01/03



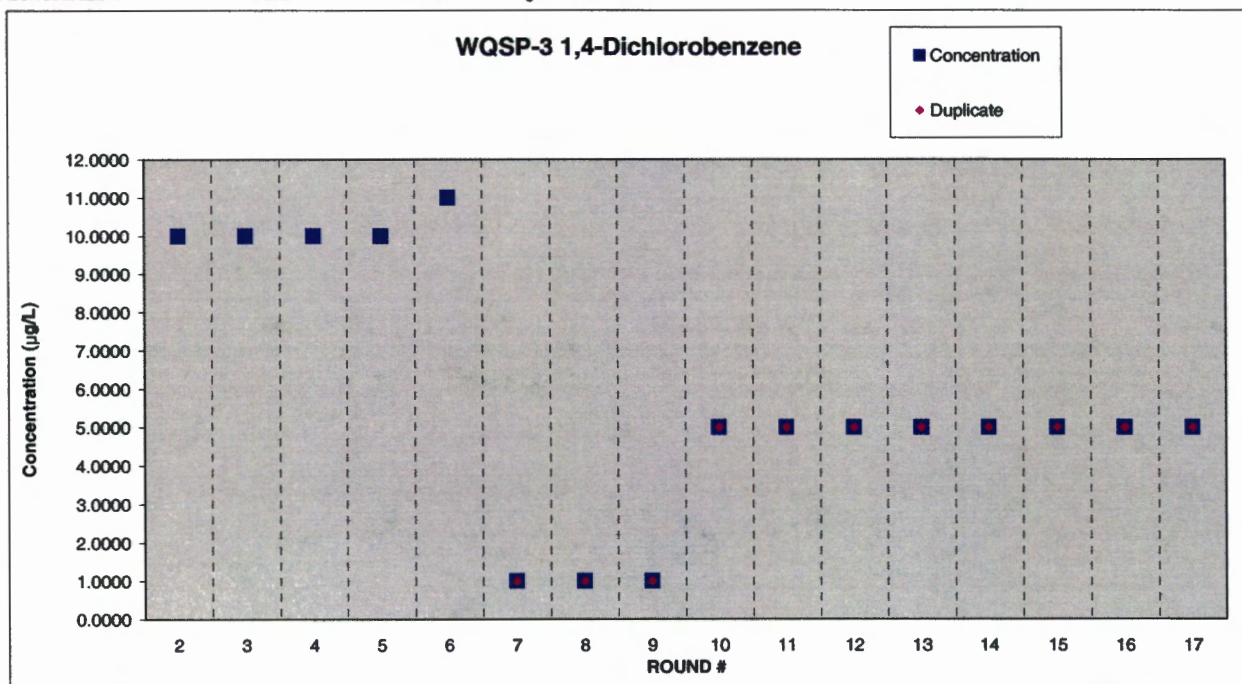
WQSP-3 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
95-50-1	1,2-DICHLOROBENZENE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



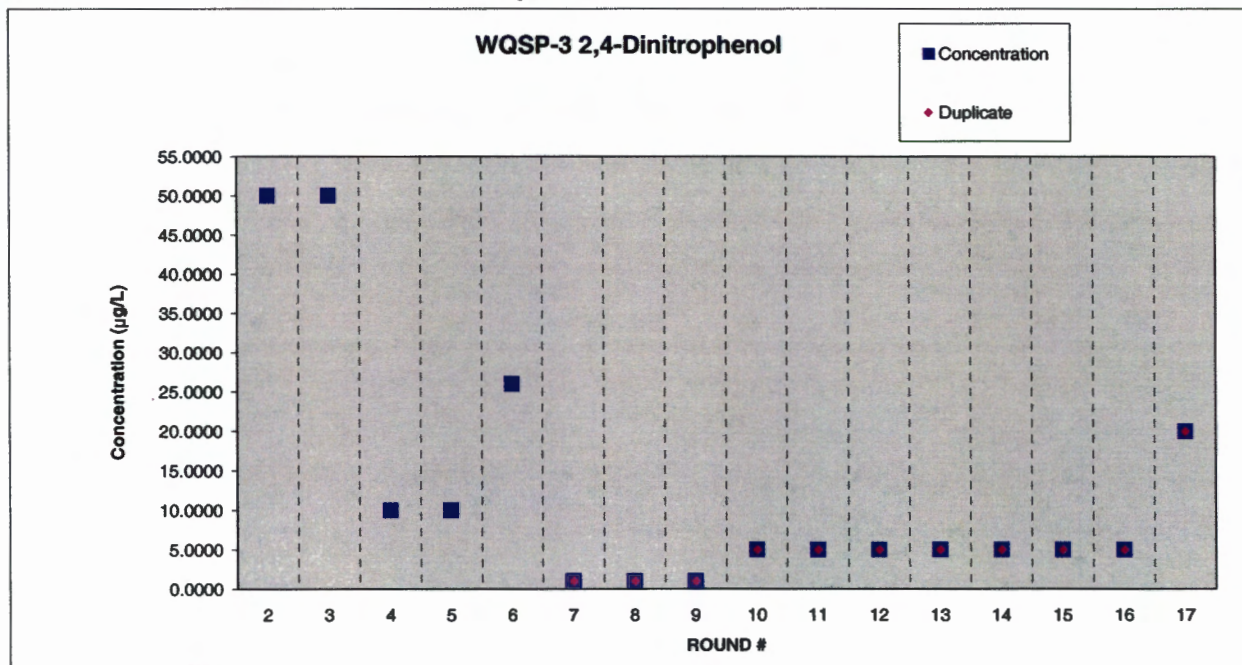
WQSP-3 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
106-46-7	1,4-DICHLOROBENZENE	< 11.0000		ug/L	10.0000			< 10.0000	6	04/24/98	04/22/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



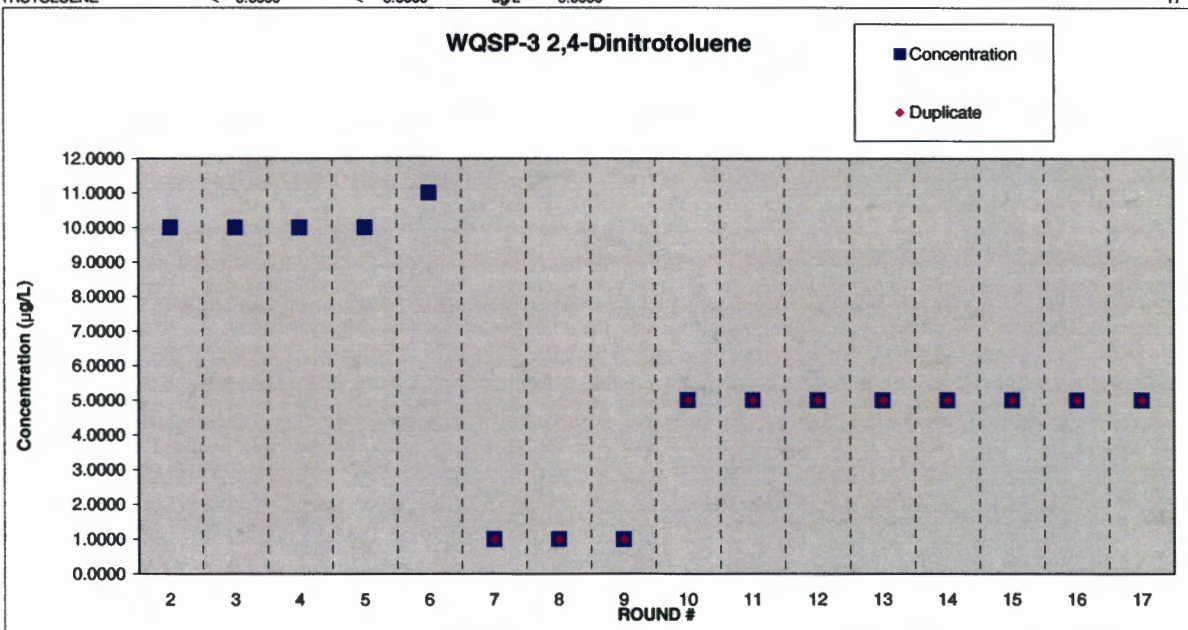
WQSP-3 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	05/17/96	05/09/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	08/30/96	08/22/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
51-28-5	2,4-DINITROPHENOL	< 26.0000		ug/L				< 25.0000	6	05/07/98	04/22/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	11/05/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
51-28-5	2,4-DINITROPHENOL	< 20.0000	< 20.0000	ug/L	20.0000				17	10/03/03	10/01/03



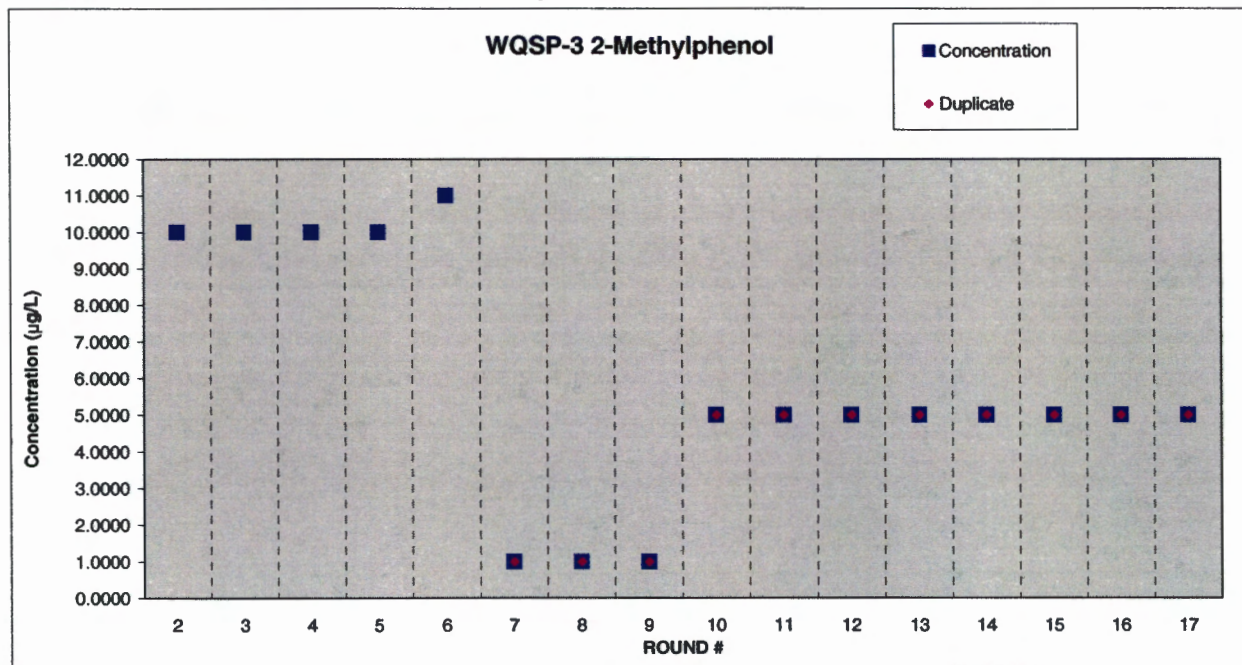
WQSP-3 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	08/12/97	05/22/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
121-14-2	2,4-DINITROTOLUENE	< 11.0000		ug/L	11.0000			< 10.0000	6	05/07/98	04/22/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	09/02/98	08/26/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/14/99	04/08/99
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/12/99	10/06/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/03/00	03/23/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



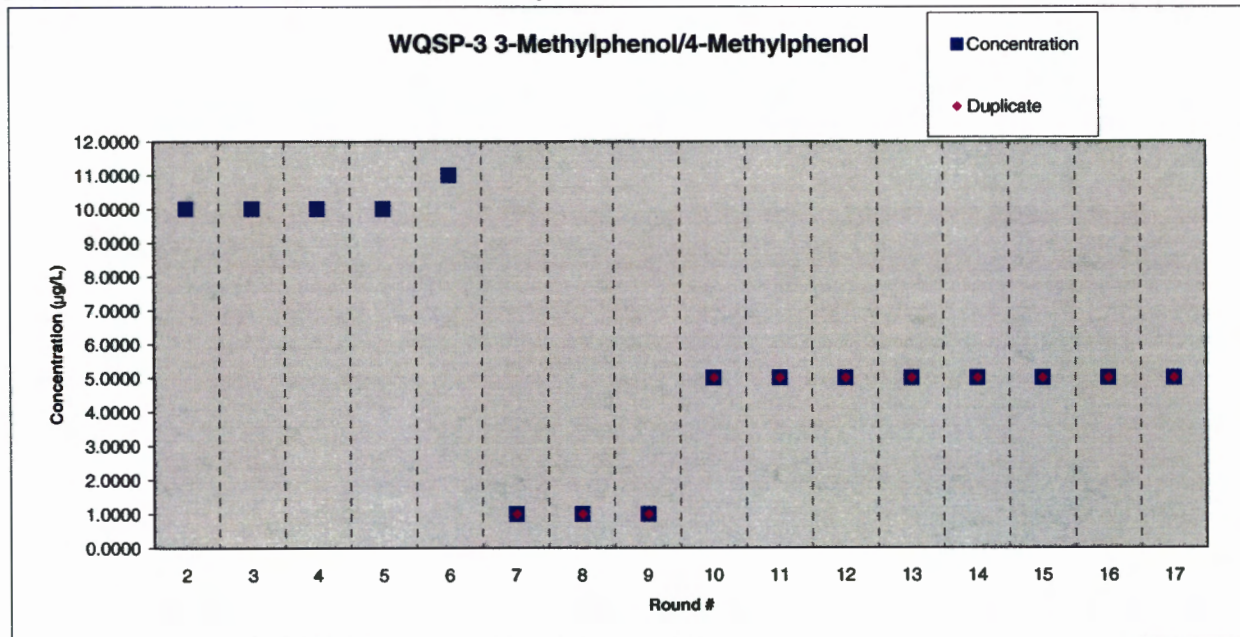
WQSP-3 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
95-48-7	2-MEYTHLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
95-48-7	2-MEYTHLPHENOL	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



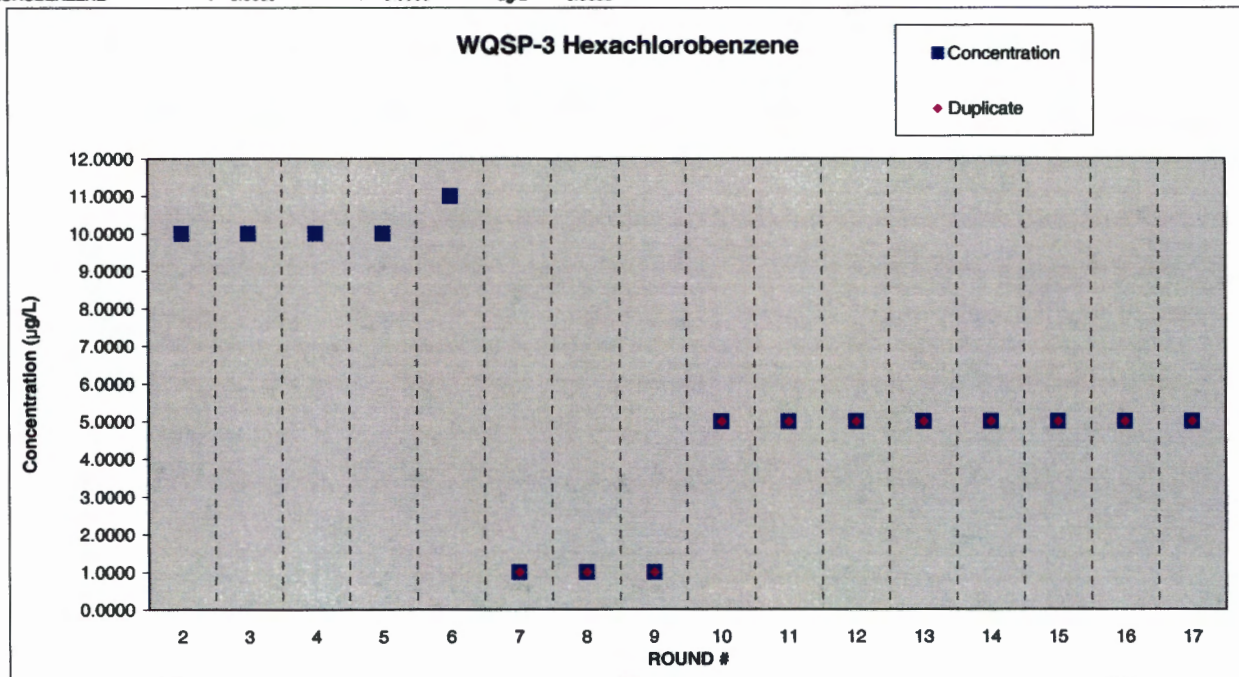
WQSP-3 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	06/30/96	06/22/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 11.0000		ug/L	10.0000			< 10.0000	6	05/07/98	4/21/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	09/02/98	08/26/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/14/99	04/08/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/12/99	10/06/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/03/00	03/23/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



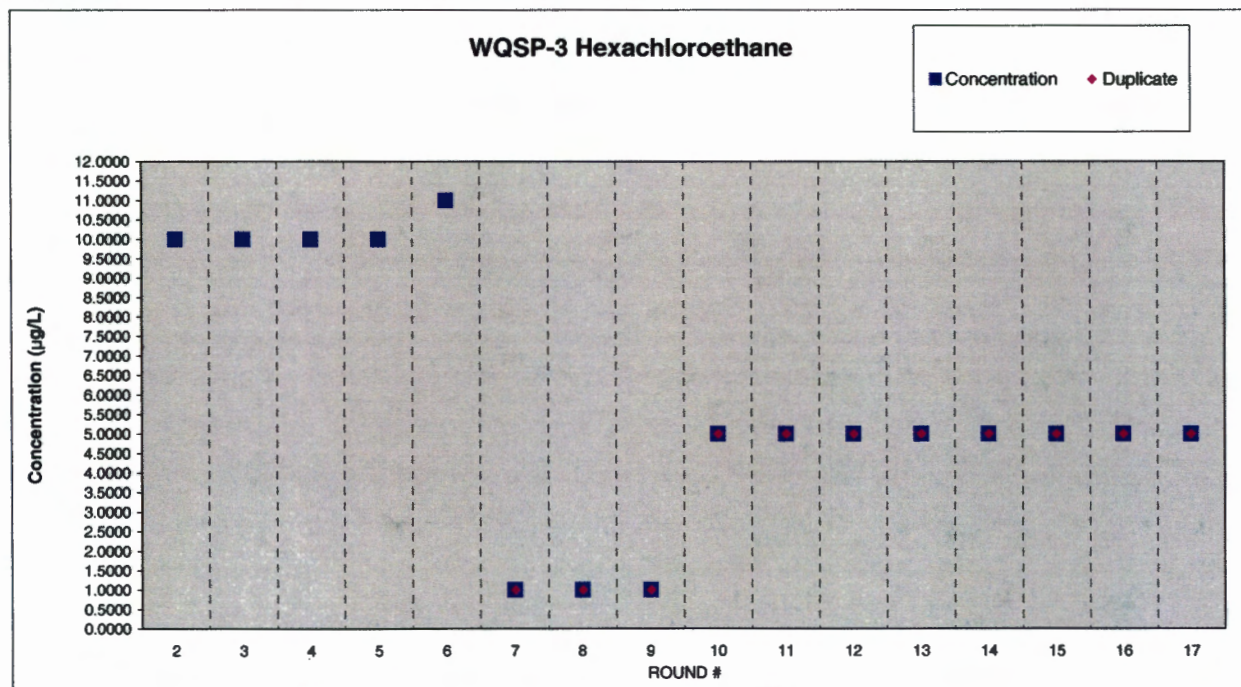
WQSP-3 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
118-74-1	HEXACHLOROBENZENE	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



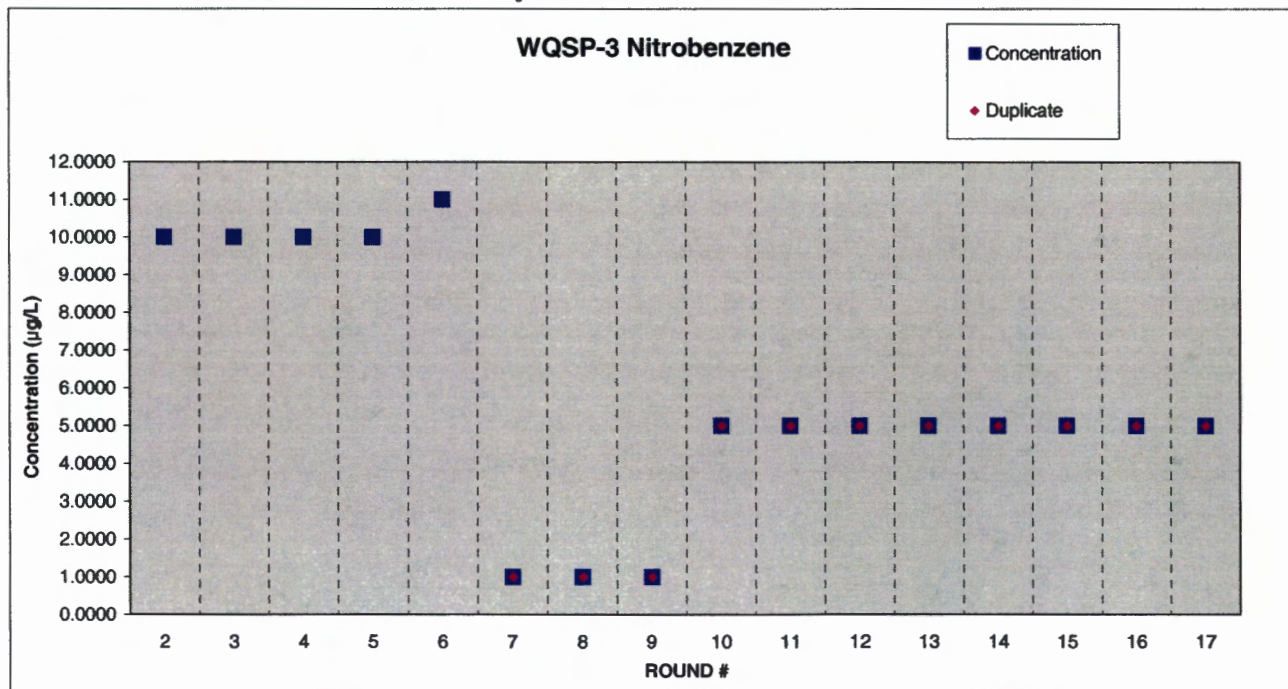
WQSP-3 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
67-72-1	HEXACHLOROETHANE	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	09/02/98	08/26/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/14/99	04/08/99
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/12/99	10/06/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/03/00	03/23/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



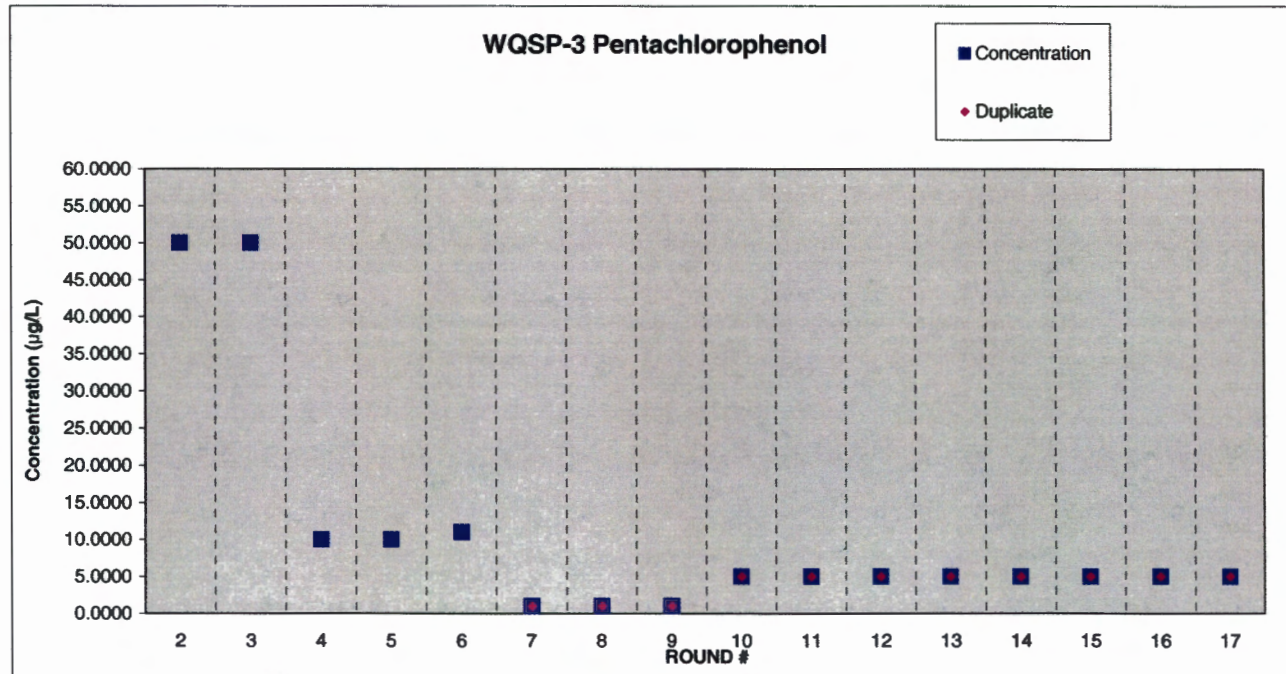
WQSP-3 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
98-95-3	NITROBENZENE	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	0.1000		< 1.0000		7	09/02/98	08/26/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/14/99	04/08/99
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/12/99	10/06/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/03/00	03/23/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



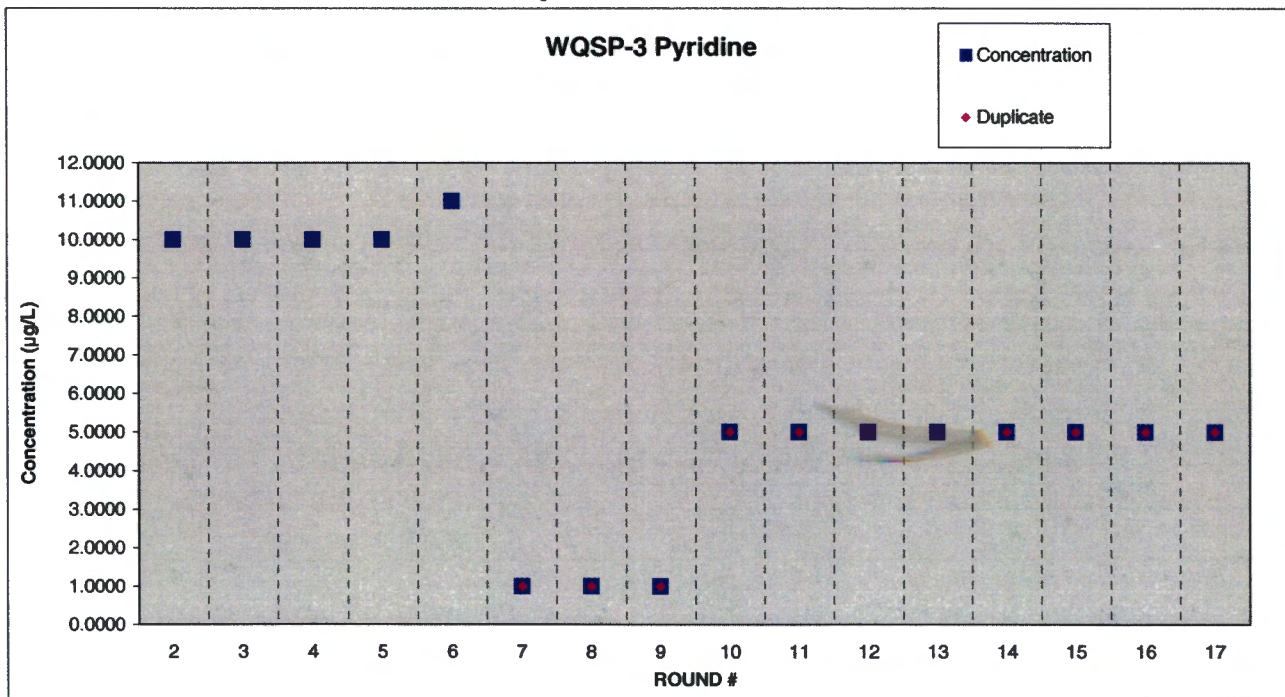
WQSP-3 Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	05/17/96	05/09/96
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	08/30/96	08/22/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
87-86-5	PENTACHLOROPHENOL	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	09/02/98	08/26/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/14/99	04/08/99
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/12/99	10/06/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/03/00	03/23/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



WQSP-3 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	05/17/96	05/09/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	08/30/96	08/22/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	05/22/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/03/97	08/21/97
110-86-1	PYRIDINE	< 11.0000		ug/L				< 10.0000	6	05/07/98	04/22/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	09/02/98	08/26/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/14/99	04/08/99
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/11/99	10/06/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/03/00	03/23/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				11	10/11/00	10/05/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/03/01	03/29/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/11/01	10/04/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/11/02	04/04/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/11/02	10/03/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/08/03	03/27/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/03/03	10/01/03



WIPP GROUNDWATER DETECTION MONITORING PROGRAM SEMIANNUAL REPORT

Sampling Round 17

September - November 2003

Volume 2

APPENDIX 4

ANALYTICAL RESULTS WELL WQSP-4

SUMMARY FOR WQSP-4, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-4 is located 1632 FSL and 2136 FEL in Section 28, T22S, R31E in Eddy County, New Mexico. This location is approximately one mile southeast of the center of the WIPP Site. The surface elevation at WQSP-4 is 3430.47 feet above mean sea level. The Top of Casing (TOC) elevation at WQSP-4 is 3433.00 feet above mean sea level. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP site. Well WQSP-4 was drilled between October 5 and 10, 1994 to a total depth of 800 ft. below ground surface (BGS). The borehole was drilled through the Culebra and extends 10 ft. into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 648 ft. BGS using compressed air as the drilling media. The interval from 648 to 800 ft. BGS was drilled using air mist with a foaming agent as the drilling media. WQSP-4 was drilled to 740 ft. BGS using a 9.875 inch drill bit and was cored from 740 to 798 ft. BGS using a 5.25 inch core bit to cut a 4 inch diameter core. After coring WQSP-4 was reamed to 9.875 inch diameter to the total depth of 800 ft. BGS. WQSP-4 was cased with 5 inch O.D. and 4.33 inch I.D. fiber glass casing from the surface to 765 ft. BGS. Twenty-five feet of slotted 0.020 well screen casing was placed across the Culebra interval from 765 to 790 ft. BGS, and a 10 ft. blank casing was installed below the screened interval from 790 to 800 ft. BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-4 is 770 to 790 based on interpretation of geophysical logs. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 755 ft BGS; fine grain sand pack was then installed from 755 to 752 ft BGS. A bentonite seal was placed above the sand pack to 715-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-4 on August 30, 1999. The system consists of a model 10S30-34 Grundfos 3-H.P. submersible pump retro-fitted with Kynar seals and a 3 phase 230 volt AC 5 H.P. submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the top of the pump to enable monitoring of the formation pressures in the wellbore during sampling.

Sampling of WQSP-4 began on 10/13/03 at 07:15 and ended on 10/15/03 at 07:40. Prior to the start of pumping, static water level was measured at 444.88 ft. below top of casing (BTOC). The well was purged for 48 hours at an average pumping rate of 0.37 gallons per minute (gpm). Three serial samples were collected. The first sample was collected on 10/13/03 after approximately 169 gallons of water were pumped. The second was collected on 10/14/03 after 635 gallons were pumped. The third serial sample and final samples were collected on 10/15/03 after approximately 1,011 gallons of water, approximately 4 well

bore volumes¹, had been pumped from the well. Samples were collected for Trace Analysis, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. Samples were collected for the WIPP project to hold until final results of analysis are approved. Samples were also collected for radiological analysis by WIPP Lab. EEG was not on site to collect independent samples. The Final Samples Checklist lists samples, destination, preservatives, sample quantities, container type, sampling times, and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measured +293 mv, +292 mv, and +296 mv respectively.

pH measured 7.32 S.U., 7.25 S.U., and 7.29 S.U. respectively.

Temperature measured 22.8° C, 22.4° C, and 21.7° C respectively.

Specific gravity measured 1.075 @ 22.6° C, 1.074 @ 22.6° C, and 1.074 @ 21.7° C.

Conductivity measured 123,500, 123,100, and 122,400 mhos/cm at 25° C for each of the serial samples.

Alkalinity measured 55.6 mg/l, 47.9 mg/l, and 54.3mg/l respectively.

Chlorides measured 58,064 mg/l, 58,139 mg/l, and 57,964 mg/l.

Divalent cations measured 182.4 meq/l, 180.2 meq/l, and 180.3 meq/l.

Total iron measured 0.20 mg/l, 0.18 mg/l, and 0.13 mg/l.

COMPARISON OF ROUND-17 DATA WITH BACKGROUND

The amount of water pumped prior to final sampling for the previous rounds was 3,123, 5,910, 5,832, 4,812, 2,403 2,465, 1,426 1,585, 3,052, 2,238, 1,877, 1,572, 1,686, 1,051, 1,119, and 1,142 gallons respectively. The amount of water pumped prior to final sampling during Round-17 was 1,011 gallons. Data for final day serial sampling averages for alkalinity, chlorides, divalent cations and total iron are presented in the following table.

AVERAGE OF FINAL DAY RESULTS

FOR BACKGROUND

Alkalinity 48.7mg/l
Chlorides 58,207 mg/l
Di-Cats 177.9 meq/l
Iron 0.07 mg/l

AVERAGE OF FINAL DAY

RESULTS FOR ROUND-17

Alkalinity 54.3 mg/l
Chlorides 57,964 mg/l
Di-Cats 180.3 meq/l
Iron 0.13 mg/l

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

All values seen on the last serial sample except alkalinity and total iron were within the $\pm 5\%$ criteria. The values for alkalinity and iron were within the range of values observed in previous rounds and over four well bore volumes had been purged from the well. For this reason the decision was made to collect final samples.

WQSP-4
ROUND 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/GWMP
SDG: 3101527
DATE: DECEMBER 10, 2003
R/A CONTROL: 6462/6463

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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SECTION III

Volatile Organic Analysis Data Section

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Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for sixteen miscellaneous samples received on October 15, 2003 under SDG 3101527.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

Michael T. Al 12/10/03
LABORATORY MANAGER: DATE

Brandi Hitcherson 12/10/03
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3101527

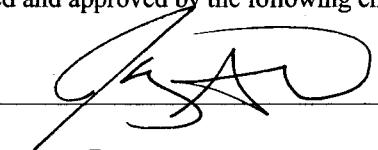
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WQ4CR17N3D	T19481
WQ4CR17N4	T19482
WQ4CR17N4D	T19483
WQ4CR17N5	T19484
WQ4CR17N5D	T19485
WQ4CR17N6	T19486
WQ4CR17N6D	T19487
WQ4CR17N7	T19488
WQ4CR17N7D	T19489
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Signature Page

The data for Round 17 Well # 4 was reviewed and approved by the following chemists.

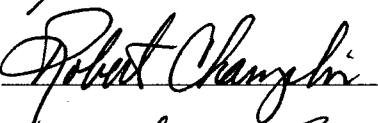
VOC's:

Johnny Gridstaff



TOC's:

Robert Champlin



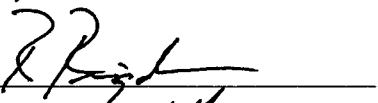
Semi-Volatiles:

Robert Champlin

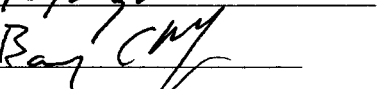


Metals:

Richard Rigdon

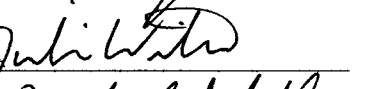


Barry Chaffin

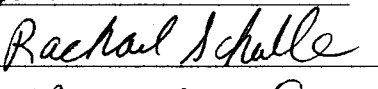


General Chemistry:

Julie Winters



Rachel Schulle



Melissa Wayland



Cation-Anion Balance Sheet

Sample #

WQSP # 4

Date:

12/10/2003

Cations

	ppm	meq/L
Calcium	1550	77.345
Magnesium	1150	94.6335
Sodium	30800	1339.8
Potassium	1350	34.533

Total Cations

1546.3115 in meq/L

Anions

	ppm	meq/L
Alkalinity	40	0.8
Sulfate	6120	127.4184
Chloride	49000	1382.29
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

1510.5084 in meq/L

Percentage Error

2.3425063 %

(needs to be <10%)

OTHER INFORMATION

TDS	107000
EC	122000

Measure EC and Cation Sums	154631.15	Range should be:	109800	to	134200
Measure EC and Anion Sums	151050.84	Range should be:	109800	to	134200
Calculated TDS/Conductivity	0.8770492	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.6919692	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.7083708	Range should be:	0.55	to	0.77

Analyses are within range of historical data eventhough percent error is out of range.

SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3101527

Page Numbers

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107	ATEL
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110	TOTAL PAGES

COVER PAGE - CLASSICALS ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Program: WIPP/GWMP

WIPP Sample No.
WQ4CR17N4
WQ4CR17N4D
WQ4CR17N5
WQ4CR17N5D
WQ4CR17N8
WQ4CR17N8D

[illegible]

Comments: Narrative Report is attached.

Yes **X**

No

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the Narrative Report. Release of data contained in this hardcopy data package (and in the data submitted on magnetic media, if data is submitted on magnetic media), has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael T. Al-1
Date: 12/10/03

Name: Blair Leftwich
Title: Managing Director

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/15/03

WIPP Round No. 17

WIPP Well No. 4

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ4CR17N8	T19490		Alkalinity	40.0		10/21/03	SM 2320 B	4.0
WQ4CR17N8	T19490	7782-50-5	Chloride	49000		10/22/03	300.0	2.0
WQ4CR17N8	T19490		Density	1.07		10/15/03	ASTM D 854-92	N/A
WQ4CR17N8	T19490	7727-37-9	Nitrate (as N)	0.10	U	10/15/03	353.3	0.10
WQ4CR17N8	T19490		pH	7.20		10/15/03	150.1	4-10
WQ4CR17N8	T19490		Conductivity	122000		10/15/03	SM2510B	
WQ4CR17N8	T19490		Sulfate	6120		10/17/03	300.0	2
WQ4CR17N8	T19490		Total Dissolved Solids (TDS)	107000		10/22/03	160.1	10
WQ4CR17N5	T19484		Total Organic Carbon (TOC)	1.00	U	10/23/03	415.1	1.0
WQ4CR17N4	T19482		Total Organic Halogen (TOX)	7.30		10/28/03	5320B/9020B	0.005
WQ4CR17N8	T19490		Total Suspended Solids (TSS)	1.00	U	10/20/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/15/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. 17

WIPP Well No. 4

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ4CR17N8D	T19491		Alkalinity	42.0		10/21/03	SM 2320 B	4.0
WQ4CR17N8D	T19491	7782-50-5	Chloride	55000		10/22/03	300.0	2.0
WQ4CR17N8D	T19491		Density	1.07		10/15/03	ASTM D 854-92	N/A
WQ4CR17N8D	T19491	7727-37-9	Nitrate (as N)	0.10	U	10/15/03	353.3	0.10
WQ4CR17N8D	T19491		pH	7.20		10/15/03	150.1	4-10
WQ4CR17N8D	T19491		Conductivity	122000		10/15/03	SM2510B	
WQ4CR17N8D	T19491		Sulfate	6080		10/17/03	300.0	2
WQ4CR17N8D	T19491		Total Dissolved Solids (TDS)	111000		10/22/03	160.1	10
WQ4CR17N5D	T19485		Total Organic Carbon (TOC)	1.00	U	10/23/03	415.1	1.0
WQ4CR17N4D	T19483		Total Organic Halogen (TOX)	5.20		10/28/03	5320B/9020B	0.005
WQ4CR17N8D	T19491		Total Suspended Solids (TSS)	1.00	U	10/20/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Program: WIPP/GWMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	40.0		42.0		5
Chloride	49000		55000		12
Density	1.07		1.07		0
Nitrate (as N)	0.10	U	0.10	U	0
pH	7.20		7.20		0
Conductivity	122000		122000		0
Sulfate	6120		6080		1
Total Dissolved Solids (TDS)	107000		111000		4
Total Organic Carbon (TOC)	1.00	U	1.00	U	0
Total Organic Halogen (TOX)	7.30		5.20		34
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS

FORM 2 INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>10/07/03</u>	<u>145000</u>	<u>152000</u>	<u>134000</u>	<u>119000</u>	<u>130000</u>		<u>136000</u>	<u>9.39</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>10/15/03</u>	<u>0.100</u>	<u>0.119</u>	<u>0.103</u>				<u>0.107</u>	<u>9.36</u>
<u>Sulfate</u>		<u>10/07/03</u>	<u>83900</u>	<u>88100</u>	<u>78400</u>	<u>75100</u>	<u>79700</u>		<u>81100</u>	<u>6.25</u>
<u>Total Organic Carbon (TOC)*</u>		<u>10/23/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

*TOC has a large y-intercept (due to lack of totally carbon free water) that prevents a good RSD value. If the blank was subtracted out then the RSD would be fine. The correlation is >0.995.

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	12.05	96
Nitrate (as N)	7727-37-9	0.160	0.150	94
pH		7.00	7.00	100
Conductivity		1409	1410	100
Sulfate		12.5	12.87	103
Total Dissolved Solids (TDS)		1000	1023	102
Total Organic Carbon (TOC)		5.00	4.25	85
Total Organic Halogen (TOX)		5.00	5.33	107

Comments

TRACEANALYSIS

FORM 3
CONTINUING CALIBRATION VERIFICATIONLab Name: TraceAnalysis, Inc.SDG No.: 3101527Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	11.81	94
Nitrate (as N)	7727-37-9	0.160	0.159	99
pH		7.00	7.00	100
Conductivity		1412	1410	100
Sulfate		12.50	12.8	102
Total Dissolved Solids (TDS)		1000	1025	103
Total Organic Carbon (TOC)		5.00	4.80	96
TOX		5.0	4.89	98
Comments				

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	55000	62500	112000	91
7727-37-9	Nitrate (as N)	0.00	0.16	0.130	81
	Sulfate	6080	12500	19000	103
	Total Organic Carbon (TOC)	3.53	5.00	8.10	91

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	62500	112000	91	0
7727-37-9	Nitrate (as N)	0.16	0.121	76	6
	Sulfate	12500	19100	104	1
	Total Organic Carbon (TOC)	5.00	8.16	93	2

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	12.0	96
7727-37-9	Nitrate (as N)	0.00	0.16	0.188	118
	Sulfate	0.00	12.5	12.7	102
	Total Organic Carbon (TOC)	0.00	5.00	4.79	96

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	11.9	95	1
7727-37-9	Nitrate (as N)	0.16	0.178	111	6
	Sulfate	12.5	12.7	102	0
	Total Organic Carbon (TOC)	5.00	4.76	95	1

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.07	1.07	0
	TDS	110800	113800	3
	TSS	<1.0	<1.0	0
	pH	7.20	7.20	0
	Conductivity	122000	123000	1
	Alkalinity	40.0	40.0	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOS/cm)	IPR1 CONC. FOUND (uMHOS/cm)	IPR2 CONC. FOUND (uMHOS/cm)	IPR3 CONC. FOUND (uMHOS/cm)	IPR4 CONC. FOUND (uMHOS/cm)	X (%)	S (%)
Conductivity	1412	1416	1424	1407	1404	100	9.07

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO ₃)	IPR1 CONC. FOUND (CaCO ₃)	IPR2 CONC. FOUND (CaCO ₃)	IPR3 CONC. FOUND (CaCO ₃)	IPR4 CONC. FOUND (CaCO ₃)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	2.58

Forms by ChemSW™ (707)884-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	12.28	12.21	12.27	12.25	98	0.031
Sulfate	12.5	12.28	12.28	12.28	12.34	98	0.030

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	1011	1006	1003	1010	101	3.70

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	0.160	0.155	0.171	0.166	0.166	103	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
pH	7.00	7.01	7.01	7.02	7.02	100	0.01

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:33</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:44</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:58</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>18:09</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.000	4.992	5.001	5.237	5.177	102	0.124

Forms by ChemSW™ (707)864-0846; pin11092; v6.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	5.23
Sulfate	5.00	5.76

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3101527

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8	Interference Check (Form 2A)
9	Blank (3)
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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.SDG No.: 3101527

WIPP Sample No.

WQ4CR17N7WQ4CR17N7D

Lab Sample ID.

T19488T19489

Were ICP interelement corrections applied?

Yes/No No

Were ICP backgrounds corrections applied?

Yes/No YesIf yes-were raw data generated before
application of background corrections?Yes/No Yes

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Date:

Michael T. Al
12/10/03

Name: Blair Leftwich

Title: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (soil/water): Water

Lab Sample ID: T19488

Date Received: 10/15/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/22/03		0.25	P
7440-38-2	Arsenic	0.1	U	10/22/03		0.1	P
7440-39-3	Barium	0.1	U	10/22/03		0.1	P
7440-41-7	Beryllium	0.010	U	10/22/03		0.010	P
7440-43-9	Cadmium	0.010	U	10/22/03		0.010	P
7440-47-3	Chromium	0.025	U	10/22/03		0.025	P
7439-89-6	Iron	0.500	U	10/22/03		0.500	P
7439-92-1	Lead	0.05	U	10/22/03		0.05	P
7439-97-6	Mercury	0.0002	U	10/24/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/22/03		0.05	P
7782-49-2	Selenium	0.230		10/22/03		0.025	P
7440-22-4	Silver	0.025	U	10/22/03		0.025	P
7440-28-0	Thallium	0.025	U	10/22/03		0.025	P
7440-62-2	Vanadium	0.050	U	10/22/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (soil/water): Water

Lab Sample ID: T19488

Date Received: 10/15/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1550		10/21/03		0.5	P
7439-95-4	Magnesium	1150		10/21/03		0.5	P
7440-09-7	Potassium	1350		10/21/03		0.5	P
7440-23-5	Sodium	30800		10/21/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ4CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (soil/water): Water

Lab Sample ID: T19489

Date Received: 10/15/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	10/22/03		0.25	P
7440-38-2	Arsenic	0.1	U	10/22/03		0.1	P
7440-39-3	Barium	0.1	U	10/22/03		0.1	P
7440-41-7	Beryllium	0.010	U	10/22/03		0.010	P
7440-43-9	Cadmium	0.010	U	10/22/03		0.010	P
7440-47-3	Chromium	0.025	U	10/22/03		0.025	P
7439-89-6	Iron	0.500	U	10/22/03		0.500	P
7439-92-1	Lead	0.05	U	10/22/03		0.05	P
7439-97-6	Mercury	0.0002	U	10/24/03		0.0002	CV
7440-02-0	Nickel	0.05	U	10/22/03		0.05	P
7782-49-2	Selenium	0.0330		10/22/03		0.025	P
7440-22-4	Silver	0.025	U	10/22/03		0.025	P
7440-28-0	Thallium	0.025	U	10/22/03		0.025	P
7440-62-2	Vanadium	0.050	U	10/22/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (soil/water): Water

Lab Sample ID: T19489

Date Received: 10/15/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1470		10/21/03		0.5	P
7439-95-4	Magnesium	1110		10/21/03		0.5	P
7440-09-7	Potassium	1270		10/21/03		0.5	P
7440-23-5	Sodium	30200		10/21/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	1550		1470		5
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	1150		1110		4
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	1350		1270		6
Selenium	0.230		0.0330		150
Silver	0.025	U	0.025	U	0
Sodium	30800		30200		2
Thallium	0.025	U	0.025	U	0
Vanadium	0.050	U	0.050	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration			Found	%R(1)	M
	True	Found	%R(1)	True	Found	%R(1)			
Antimony	1.00	1.02	102	1.00	0.960	96			P
Arsenic	1.00	1.07	107	1.00	1.06	106			P
Barium	1.00	1.07	107	1.00	1.05	105			P
Beryllium	1.00	1.08	108	1.00	1.07	107			P
Cadmium	1.00	1.08	108	1.00	1.05	105			P
Calcium	25	25.9	104	25	25.9	104			P
Chromium	1.00	1.06	106	1.00	1.03	103			P
Iron	1.00	1.07	107	1.00	1.08	108			P
Lead	1.00	1.05	105	1.00	0.995	100			P
Magnesium	25	25.3	101	25	25.3	101			P
Mercury	0.001	0.00105	105	0.001	0.00093	93			CV
Nickel	1.00	1.05	105	1.00	1.02	102			P
Potassium	25	26.1	104	25	25.3	101			P
Selenium	1.00	1.05	105	1.00	1.01	101			P
Silver	0.125	0.127	102	0.125	0.129	103			P
Sodium	25	26.1	104	25	25.0	100			P
Thallium	1.00	1.06	106	1.00	0.951	95			P
Vanadium	1.00	1.03	103	1.00	0.991	99			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	0.914	91
Arsenic	N/A	N/A	N/A	1.00	0.996	100
Barium	N/A	N/A	N/A	0.300	0.319	106
Beryllium	N/A	N/A	N/A	0.100	0.102	102
Cadmium	N/A	N/A	N/A	0.300	0.328	109
Cobalt	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.314	105
Iron	12.50			12.5		
Lead	N/A	N/A	N/A	1.00	1.08	108
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.309	103
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.481	96
Silver	N/A	N/A	N/A	0.300	0.315	105
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.140	114
Vanadium	N/A	N/A	N/A	0.300	0.320	107

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ4CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.15	0.25	U 1.25	92		P
Arsenic	75-125	2.36	0.1	U 2.5	94		P
Barium	75-125	5.80	0.1	U 5.0	116		P
Beryllium	75-125	0.103	0.010	U 0.125	82		P
Cadmium	75-125	1.14	0.010	U 1.25	91		P
Calcium	75-125	2220	1550	500	134	N	P
Chromium	75-125	0.471	0.025	U 0.500	94		P
Iron	75-125	2.80	0.5	U 2.5	112		P
Lead	75-125	2.43	0.05	U 2.5	97		P
Magnesium	75-125	1780	1150	500	126	N	P
Mercury	75-125	0.00072	0.0002	U 0.001	72	N	CV
Nickel	75-125	1.05	0.05	U 1.25	84		P
Potassium	75-125	1630	1350	500	56	N	P
Selenium	75-125	2.30	0.230	2.5	83		P
Silver	75-125	0.813	0.025	U 0.625	130	N	P
Sodium	75-125	32000	30800	500	240	N	P
Thallium	75-125	2.72	0.025	U 2.5	109		P
Vanadium	75-125	1.17	0.050	U 1.25	94		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ4CR17N7

SDG No.: 3101527

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	1.15		1.24		8		P
Arsenic	25	2.36		2.47		5		P
Barium	25	5.80		6.03		4		P
Beryllium	25	0.103		0.105		2		P
Cadmium	25	1.14		1.17		3		P
Calcium	25	2220		2120		5		P
Chromium	25	0.471		0.471		0		P
Iron	25	2.80		2.38		16		P
Lead	25	2.43		2.54		4		P
Magnesium	25	1780		1740		2		P
Mercury	25	0.00072		0.00074		3		CV
Nickel	25	1.05		1.14		8		P
Potassium	25	1630		1610		1		P
Selenium	25	2.30		2.46		7		P
Silver	25	0.813		0.816		0		P
Sodium	25	32000		28400		12		P
Thallium	25	2.72		2.91		7		P
Vanadium	25	1.17		1.18		1		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ4CR17N7

SDG No.: 3101527

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.243		0.238		2		P
Arsenic	25	0.521		0.525		1		P
Barium	25	0.975		1.01		4		P
Beryllium	25	0.0240		0.0248		3		P
Cadmium	25	0.251		0.258		3		P
Calcium	25	99.6		101.0		1		P
Chromium	25	0.0990		0.103		4		P
Iron	25	0.470		0.512		9		P
Lead	25	0.422		0.447		6		P
Magnesium	25	96.4		98.8		2		P
Mercury	25	0.00101		0.00102		1		CV
Nickel	25	0.235		0.240		2		P
Potassium	25	104		101.0		3		P
Selenium	25	0.474		0.471		1		P
Silver	25	0.116		0.116		0		P
Sodium	25	109		107		2		P
Thallium	25	0.481		0.534		10		P
Vanadium	25	0.249		0.254		2		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Solid LCS Source: _____

Aqueous LCS Source: ME082802-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				%R
	True	Found	%R	True	Found	C	Limits	
Antimony	0.25	0.243	97					
Arsenic	0.50	0.521	104					
Barium	1.00	0.975	98					
Beryllium	0.025	0.0240	96					
Cadmium	0.25	0.251	100					
Calcium	100	99.6	100					
Chromium	0.10	0.0990	99					
Iron	0.50	0.470	94					
Lead	0.50	0.422	84					
Magnesium	100	96.4	96					
Mercury	0.001	0.00101	101					
Nickel	0.25	0.235	94					
Potassium	100	104	104					
Selenium	0.50	0.474	95					
Silver	0.125	0.116	93					
Sodium	100	109	109					
Thallium	0.50	0.481	96					
Vanadium	0.25	0.249	100					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3101527

Page Numbers

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10	Water Volatile System Monitoring Compound Recovery (Form 2A)
12	Water Volatile LCS/LCSD Recovery (Form 3A)
13	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
14	Volatile Method Blank Summary (Form 4A)
15	Volatile Organic Instrument Performance Check (Form 5A)
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20	Volatile Internal Standard Area and RT Summary (Form 8A)
21	Volatile Raw Data
153	TOTAL PAGES

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19476

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 2701003.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N1D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19477

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 3001006.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19478

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 3101007.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19479

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 3201008.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97
OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N3

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19480

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 3601012.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845; p/n11014; v3.2; 11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N3D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19481

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 3701013.D

GC Column: DB-624 60m

Date Received: 10/15/03

Dilution Factor: 1

Date Analyzed: 10/22/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845; p/n11014; v3.2; 11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3101527

COMPOUND	Conc ug/L Q		Conc ug/L Q		RPD
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3101527

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3101527

COMPOUND	Conc ug/L Q		Conc ug/L Q		RPD
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	99	88	100		0
02	LCS	98	89	98		0
03	LCSD	99	92	96		0
04	T19476	98	88	102		0
05	MS	98	85	101		0
06	MSD	98	86	103		0
07	T19477	98	84	101		0
08	T19478	97	86	102		0
09	T19479	97	84	102		0
10	T19480	100	87	103		0
11	T19481	100	89	104		0
12	CCV	97	98	96		0

SMC1 (TOL) = Toluene-d8
SMC2 (BFM) = 4-Bromofluoromethane
SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS
(70-130)
(70-130)
(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	97	97		70-130
Trichloroethene	100	0	96	96		70-130
Benzene	100	0	98	98		70-130
Toluene	100	0	98	98		70-130
Chlorobenzene	100	0	97	97		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	96	96		1		14	70-130
Trichloroethene	100	95	95		1		13	70-130
Benzene	100	96	96		2		14	70-130
Toluene	100	96	96		2		13	70-130
Chlorobenzene	100	96	96		1		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix Spike - WIPP Sample No.: WQ4CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	97	97		70-130
Trichloroethene	100	0	93	93		70-130
Benzene	100	0	97	97		70-130
Toluene	100	0	96	96		70-130
Chlorobenzene	100	0	96	96		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	97	97		0		14	70-130
Trichloroethene	100	93	93		0		13	70-130
Benzene	100	97	97		0		14	70-130
Toluene	100	95	95		1		13	70-130
Chlorobenzene	100	96	96		0		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ4CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID: 2401003.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 10/22/03

Time Analyzed: 03:18

J&W Scientific
GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	2101021.D	01:47
02	LCSD	LCSD	2201001.D	02:06
03	WQ4CR17N1	T19476	2701003.D	05:07
04	MS	MS	2801004.D	05:44
05	MSD	MSD	2901005.D	06:21
06	WQ4CR17N1D	T19477	3001006.D	06:59
07	WQ4CR17N2	T19478	3101007.D	07:36
08	WQ4CR17N2D	T19479	3201008.D	08:14
09	WQ4CR17N3	T19480	3601012.D	10:27
10	WQ4CR17N3D	T19481	3701013.D	11:04
11	CCV	CCV	1401014.D	21:33

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID: 1301013.D

BFB Injection Date: 10/21/03

Instrument ID: NV

BFB Injection Time: 21:17

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.3
75	30.0 - 66.0% of mass 95	45.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.2
174	50.0 - 120.0% of mass 95	77.5
175	4.0 - 9.0% of mass 174	7.0
176	93.0 - 101.0% of mass 174	100.0
177	5.0 - 9.0% of mass 176	6.8

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	1401014.D	10/21/03	21:33
02	Blank	Blank	2401003.D	10/22/03	03:18
03	LCS	LCS	2101021.D	10/22/03	01:47
04	LCSD	LCSD	2201001.D	10/22/03	02:06
05	WQ4CR17N1	T19476	2701003.D	10/22/03	05:07
06	MS	MS	2801004.D	10/22/03	05:44
07	MSD	MSD	2901005.D	10/22/03	06:21
08	WQ4CR17N1D	T19477	3001006.D	10/22/03	06:59
09	WQ4CR17N2	T19478	3101007.D	10/22/03	07:36
10	WQ4CR17N2D	T19479	3201008.D	10/22/03	08:14
11	WQ4CR17N3	T19480	3601012.D	10/22/03	10:27
12	WQ4CR17N3D	T19481	3701013.D	10/22/03	11:04

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Instrument ID: NV

Calibration Date(s): 10/21/03

Heated Purge:(Y/N) N

Calibration Times: 20:30

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.475	0.524	0.514	0.500	0.472	0.472	0.492	4.31
Trichlorofluoromethane	0.689	0.715	0.704	0.711	0.684	0.689	0.698	1.69
1,1-Dichloroethene	0.388	0.392	0.402	0.447	0.441	0.437	0.421	6.17
Methylene Chloride			0.653	0.530	0.516	0.511	0.456	10.96
1,1-Dichloroethane	0.805	0.817	0.821	0.905	0.903	0.896	0.866	5.62
1,2-Dichloroethane	0.566	0.581	0.579	0.637	0.611	0.598	0.596	3.96
Chloroform	0.791	0.756	0.761	0.825	0.805	0.805	0.793	3.24
1,1,1-Trichloroethane	0.605	0.609	0.627	0.693	0.685	0.686	0.658	6.47
Carbon Tetrachloride	0.319	0.320	0.328	0.369	0.356	0.339	0.338	5.55
Trichloroethene	0.275	0.278	0.279	0.307	0.306	0.302	0.292	4.86
Toluene	1.310	1.242	1.218	1.328	1.343	1.310	1.294	3.57
1,1,2-Trichloroethane	0.240	0.243	0.245	0.268	0.261	0.260	0.254	4.30
Tetrachloroethene	0.307	0.364	0.377	0.374	0.414	0.471	0.390	13.37
Chlorobenzene	0.879	0.861	0.859	0.921	0.905	0.882	0.886	2.56
m&p-Xylene	0.971	1.085	1.109	1.251	1.189	1.150	1.127	7.78
o-Xylene	0.921	1.079	1.141	1.301	1.234	1.185	1.147	10.60
1,1,2,2-Tetrachloroethane	0.315	0.334	0.344	0.399	0.385	0.386	0.364	9.00
1,4-Dichlorobenzene	1.259	1.159	1.148	1.246	1.240	1.232	1.217	3.65
1,2-Dichlorobenzene	0.921	1.067	1.108	1.222	1.219	1.201	1.136	9.90
Toluene-d8	1.294	1.340	1.325	1.286	1.292	1.302	1.304	1.56
4-Bromofluorobenzene	0.459	0.462	0.471	0.490	0.492	0.486	0.478	2.84
Dibromofluoromethane	0.455	0.458	0.459	0.457	0.450	0.456	0.455	0.65

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Instrument ID: NV

Calibration Date(s): 3/27/02

Heated Purge:(Y/N) N

Calibration Times: 0:35

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3101527Instrument ID: NV Calibration Date: 10/21/03Lab File ID: 1401014.d Init. Calib. Date(s): 10/22/03Heated Purge: (Y/N) N Init. Calib. Times: 9:14GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.492	0.454	0.100	7.7	25.0
Trichlorofluoromethane	0.698	0.655		6.2	
1,1-Dichloroethene (CM)	0.421	0.426	0.100	-1.2	25.0
Ethylene Chloride	0.546	0.524		4.0	
1,1-Dichloroethane (P)	0.866	0.853	0.200	1.5	25.0
cis-1,2-Dichloroethene	0.481	0.480		0.2	
1,2-Dichloroethane	0.596	0.568	0.100	4.7	25.0
Chloroform	0.793	0.769	0.200	3.0	25.0
1,1,1-Trichloroethane	0.658	0.651	0.100	1.1	25.0
Carbon Tetrachloride	0.338	0.345	0.100	-2.1	25.0
Trichloroethene	0.292	0.297	0.300	-1.7	25.0
Toluene	1.294	1.277	0.400	1.3	25.0
1,1,2-Trichloroethane	0.254	0.250	0.100	1.6	25.0
Tetrachloroethene	0.390	0.359	0.200	7.9	25.0
Chlorobenzene	0.886	0.880	0.500	0.7	25.0
m,p-Xylene	1.127	1.167		-3.5	
o-Xylene	1.147	1.208		-5.3	
1,1,2,2-Tetrachloroethane	0.364	0.378	0.500	-3.8	25.0
1,4-Dichlorobenzene	1.217	1.173		3.6	
1,2-Dichlorobenzene	1.136	1.179		-3.8	
Toluene-d8	1.304	1.265		3.0	
4-Bromofluorobenzene	0.478	0.470	0.200	1.7	25.0
Dibromofluoromethane	0.455	0.437	0.100	4.0	25.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Instrument ID: NV Calibration Date: 03/27/03

Lab File ID: 2301002.d Init. Calib. Date(s): 10/22/03

Heated Purge: (Y/N) N Init. Calib. Times: 9:14

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.020	0.010	9.1	25.0
Toluene-d8					
4-Bromofluorobenzene			0.200		25.0
Dibromofluoromethane			0.100		25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.SDG No.: 3101527Lab File ID (Standard): 1401014.DDate Analyzed: 10/21/03Instrument ID: NVTime Analyzed: 9:33

J&W Scientific

GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	953881	10.76	1411050	11.78	1299249	15.79	670620	19.21
UPPER LIMIT	1907762	11.26	2822100	12.28	2598498	16.29	1341240	19.71
LOWER LIMIT	476941	10.26	705525	11.28	649625	15.30	335310	18.72
LAB SAMPLE NO.								
METHOD BLK	798032	10.77	1214670	11.77	1083224	15.78	447739	19.22
LCS	785290	10.77	1220160	11.77	1090926	15.79	435072	19.20
LCSD	856320	10.76	1307710	11.77	1164605	15.79	512611	19.21
T19476	785885	10.77	1207447	11.77	1058739	15.78	442342	19.22
MS	796132	10.77	1234410	11.77	1075875	15.79	430179	19.21
MSD	780100	10.77	1221976	11.77	1067486	15.78	442923	19.22
T19477	758684	10.77	1161595	11.77	1030164	15.78	410512	19.22
T19480	728554	10.77	1134623	11.77	991095	15.78	409590	19.22
T19481	704593	10.77	1097739	11.78	966701	15.78	409229	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID (Standard): 2301002.d

Date Analyzed: 10/22/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 02:42

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)		IS4 (DCB)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	833709	10.77	1271681	11.77	1124712	15.78	474976	19.20
UPPER LIMIT	1667418	11.27	2543362	12.27	2249424	16.28	949952	19.70
LOWER LIMIT	416855	10.27	635841	11.27	562356	15.30	237488	18.72
LAB SAMPLE NO.								
METHOD BLK	798032	10.77	1214670	11.77	1083224	15.78	447739	19.22
T19478	732026	10.77	1133072	11.77	1016026	15.78	422809	19.22
T19479	713255	10.77	1115025	11.77	983635	15.78	405037	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3101527

Page Numbers

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5	Water Semivolatile LCS/LCSD Recovery (Form 3C)
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N6

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water Lab Sample ID: T19486

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1101012.D

% Moisture: NA decanted:(Y/N) N Date Received: 10/15/03

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/20/03

Injection Volume: 1.0 (uL) Date Analyzed: 10/24/03

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
110-86-1	Pyridine	5	U	
106-46-7	1,4-Dichlorobenzene	5	U	
95-50-1	1,2-Dichlorobenzene	5	U	
95-48-7	2-Methylphenol	5	U	
106-44-5	4-Methylphenol	5	U	
67-72-1	Hexachloroethane	5	U	
98-95-3	Nitrobenzene	5	U	
51-28-5	2,4-Dinitrophenol	20	U	
121-14-2	2,4-Dinitrotoluene	5	U	
118-74-1	Hexachlorobenzene	5	U	
87-86-5	Pentachlorophenol	5	U	

FORM I SV-1

Forms by ChemSW(707)864-0845;p/m11013;v3.2;11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ4CR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix: (soil/water) Water

Lab Sample ID: T19487

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 1401015.D

% Moisture: NA decanted:(Y/N) N

Date Received: 10/15/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/20/03

Injection Volume: 1.0 (uL)

Date Analyzed: 10/25/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
---------	----------	---	------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01 Meth Blk.	83	79	75	13	22	19	0
02 LCS	78	60	69	15	23	55	0
LCSD	74	62	71	17	24	52	0
4 T19486	69	69	61	10	18	20	0
05 MS	87	68	72	20	26	59	0
06 MSD	83	69	74	21	28	57	0
07 T19487	79	83	67	8	10	13	0

S1 (NBZ) = Nitrobenzene-d5
S2 (FBP) = 2-Fluorobiphenyl
S3 (TPH) = Terphenyl-d14
S4 (PHL) = Phenol-d5
S5 (2FP) = 2-Fluorophenol
S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
(7-138)
(15-135)
(45-162)
(0-67.6)
(0-94)
(45-152)

Column to be used to flag recovery values

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Matrix Spike - WIPP Sample No.: MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Pyridine	80000	0	22800	29	D-63
1,4-Dichlorobenzene	80000	0	95900	120 *	25-88
1,2-Dichlorobenzene	80000	0	99400	124 *	26-115
2-Methylphenol	80000	0	50400	63	19-91
4-Methylphenol/3-Methylphenol	80000	0	44800	56	22-119
Hexachloroethane	80000	0	110400	138 *	20-101
Nitrobenzene	80000	0	100700	126	18-150
2,4-Dinitrophenol	80000	0	18600	23	12-145
2,4-Dinitrotoluene	80000	0	95700	120	25-130
Hexachlorobenzene	80000	0	89000	111	D-152
Pentachlorophenol	80000	0	56000	70	D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Pyridine	80000	23100	29	0	20 D-63
1,4-Dichlorobenzene	80000	94000	118 *	1	20 25-88
1,2-Dichlorobenzene	80000	100300	125 *	1	20 26-115
2-Methylphenol	80000	52100	65	4	20 19-91
4-Methylphenol/3-Methylphenol	80000	46100	58	5	20 22-119
Hexachloroethane	80000	108400	136 *	1	20 20-101
Nitrobenzene	80000	97200	122	3	20 18-150
2,4-Dinitrophenol	80000	22400	28	20	20 12-145
2,4-Dinitrotoluene	80000	96500	121	1	20 25-130
Hexachlorobenzene	80000	87700	110	1	20 D-152
Pentachlorophenol	80000	55700	70	6	20 D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 6 out of 22 outside limits

REMARKS: _____

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3101527Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC	#	QC. LIMITS REC.
Pyridine	80000	0	28000	35		D-63
1,4-Dichlorobenzene	80000	0	81600	102	*	25-88
1,2-Dichlorobenzene	80000	0	84200	105		26-115
2-Methylphenol	80000	0	40000	50		19-91
4-Methylphenol/3-Methylphenol	80000	0	35400	44		22-119
Hexachloroethane	80000	0	94000	118	*	20-101
Nitrobenzene	80000	0	89200	112		18-150
2,4-Dinitrophenol	80000	0	13500	17		12-145
2,4-Dinitrotoluene	80000	0	88300	110		25-130
Hexachlorobenzene	80000	0	81200	102		D-152
Pentachlorophenol	80000	0	48000	60		D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	22800	29		6		20	D-63
1,4-Dichlorobenzene	80000	79100	99	*	1		20	25-88
1,2-Dichlorobenzene	80000	84100	105		1		20	26-115
2-Methylphenol	80000	42800	54		8		20	19-91
4-Methylphenol/3-Methylphenol	80000	39000	49		2		20	22-119
Hexachloroethane	80000	91000	114	*	3		20	20-101
Nitrobenzene	80000	86200	108		4		20	18-150
2,4-Dinitrophenol	80000	14800	19		11		20	12-145
2,4-Dinitrotoluene	80000	86200	108		2		20	25-130
Hexachlorobenzene	80000	81900	102		0		20	D-152
Pentachlorophenol	80000	50000	63		5		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 4 out of 22 outside limits

REMARKS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID: 0801009.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 10/20/03

Matrix: (soil/water) Water

Date Analyzed: 10/24/03

Time Analyzed: 20:05

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	0901010.D	10/24/03
02	LCSD	LCSD	1001011.D	10/24/03
03	WQ4CR17N6	T19486	1101012.D	10/24/03
04	WQ4CR17N6MS	MS	1201013.D	10/24/03
05	WQ4CR17N6MSD	MSD	1301014.D	10/24/03
06	WQ4CR17N6D	T19487	1401015.D	10/25/03

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID: 0102003.D

DFTPP Injection Date: 10/24/03

Instrument ID: NS

DFTPP Injection Time: 11:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.3
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	42.0
70	Less than 2.0% of mass 69	0.6
127	25.0 - 75.0% of mass 198	41.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	29.3
365	Greater than 0.75% of mass 198	4.4
441	Present, but less than mass 443	78.7
442	40.0 - 110.0% of mass 198	93.9
443	15.0 - 24.0% of mass 442	19.0

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0701008.D	10/24/03	19:25
02	METHOD BLANK	METHOD BLANK	0801009.D	10/24/03	20:05
03	LCS	LCS	0901010.D	10/24/03	20:45
04	LCSD	LCSD	1001011.D	10/24/03	21:26
05	WQ4CR17N6	T19486	1101012.D	10/24/03	22:06
06	WQ4CR17N6MS	MS	1201013.D	10/24/03	22:46
07	WQ4CR17N6MSD	MSD	1301014.D	10/24/03	23:27
08	WQ4CR17N6D	T19487	1401015.D	10/25/03	10:36

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATALab Name: TraceAnalysis, Inc.SDG No.: 3101527Instrument ID: NS Calibration Date(s) 10/28/03Calibration Times: 16:02

LAB FILE ID:	RRF5 = 0201004.D	RRF20 = 0301005.D
RRF40 = 0401006.D	RRF60 = 0501007.D	RRF80 = 0601008.D
RRF100 = 0701009.D		

COMPOUND	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	* 1.134	1.294	1.327	1.347	1.316	1.324	1.290	6.08
1,4-Dichlorobenzene	* 1.544	1.586	1.581	1.636	1.615	1.641	1.601	2.33
1,2-Dichlorobenzene	* 1.325	1.408	1.368	1.434	1.412	1.424	1.395	2.93
2-Methylphenol	* 1.133	1.364	1.318	1.374	1.392	1.422	1.334	7.82
4-Methylphenol	* 1.113	1.449	1.423	1.535	1.616	1.660	1.466	13.37
Hexachloroethane	* 0.552	0.589	0.572	0.592	0.578	0.592	0.579	2.65
Nitrobenzene	* 0.408	0.453	0.471	0.481	0.479	0.474	0.461	6.02
2,4-Dinitrophenol		0.190	0.283	0.294	0.290	0.300	0.272	16.89
2,4-Dinitrotoluene	* 0.343	0.464	0.516	0.489	0.463	0.461	0.456	13.01
Hexachlorobenzene	* 0.271	0.297	0.299	0.337	0.351	0.352	0.318	10.59
Pentachlorophenol		0.195	0.230	0.255	0.269	0.287	0.247	14.45
Nitrobenzene-d5	0.424	0.553	0.581	0.600	0.600	0.595	0.559	12.27
2-Fluorobiphenyl	* 1.883	1.889	1.878	1.923	1.913	1.974	1.91	1.88
Terphenyl-d14	* 1.108	1.269	1.330	1.452	1.458	1.447	1.344	10.37
Phenol-d5	1.618	1.885	1.863	1.917	1.943	1.953	1.863	6.71
2-Fluorophenol	* 1.240	1.484	1.488	1.522	1.489	1.484	1.451	7.20
2,4,6-Tribromophenol	0.275	0.342	0.389	0.396	0.381	0.391	0.362	13.00

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

FORM VI SV-1

OLM02.0

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Instrument ID: NS Calibration Date: 10/28/03

Lab File ID: 0701008.D Init. Calib. Date(s): 10/24/03

Init. Calib. Times: 19:25

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.290	1.398		-8.4	
1,4-Dichlorobenzene	1.600	1.684	0.500	-5.2	25.0
1,2-Dichlorobenzene	1.395	1.461		-4.7	
2-Methylphenol	1.333	1.238	0.700	7.1	25.0
4-Methylphenol	1.466	1.370	0.600	6.5	25.0
Hexachloroethane	0.579	0.640	0.300	-10.5	25.0
Nitrobenzene	0.461	0.496	0.200	-7.6	25.0
2,4-Dinitrophenol	0.240	0.223		7.1	
2,4-Dinitrotoluene	0.456	0.482	0.200	-5.7	25.0
Hexachlorobenzene	0.318	0.325	0.100	-2.2	25.0
Pentachlorophenol	0.247	0.262	0.050	-6.1	25.0
Nitrobenzene-d5	0.559	0.621	0.200	-11.1	25.0
2-Fluorobiphenyl	1.910	1.922	0.700	-0.6	25.0
Terphenyl-d14	1.344	1.451	0.500	-8.0	25.0
Phenol-d5	1.863	1.816	0.800	2.5	25.0
2-Fluorophenol	1.451	1.448	0.600	0.2	25.0
2,4,6-Tribromophenol	0.362	0.363		-0.3	25.0

All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID (Standard): 0701008.D

Date Analyzed: 10/24/03

Instrument ID: NS

Time Analyzed: 19:25

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR ST	458580	9.64	1270158	12.10	790976	15.03
UPPER LIM	917160	10.14	2540316	12.60	1581952	15.53
LOWER LIM	229290	9.14	635079	11.60	395488	14.53
SAMPLE NO.						
01 method blan	392684	9.63	943051	12.10	449538	15.03
02 lcs	442820	9.63	1164754	12.10	732879	15.03
03 lcsd	485073	9.63	1377101	12.10	831050	15.02
04 T19486	437981	9.62	1188400	12.10	551362	15.02
05 MS	429546	9.63	1128155	12.10	667119	15.03
06 MSD	482879	9.63	1352545	12.10	738057	15.02
07 T19487	416559	9.61	1151442	12.08	489071	15.01

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3101527

Lab File ID (Standard): 0701008.D

Date Analyzed: 10/24/03

Instrument ID: NS

Time Analyzed: 19:25

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR ST	1511840	17.08	1335351	20.59	1020309	23.27
UPPER LIMIT	3023680	17.58	2670702	21.09	2040618	23.77
LOWER LIMIT	755920	16.58	667676	20.09	510155	22.77
SAMPLE NO.						
01 method blank	933510	17.07	835795	20.58	406935	23.27
02 lcs	1553024	17.08	1434737	20.59	1055963	23.27
03 lcsd	1594037	17.08	1427475	20.59	1042736	23.27
04 T19486	1117787	17.07	1050398	20.57	513243	23.26
05 MS	1425385	17.08	1329998	20.59	959439	23.26
06 MSD	1483032	17.08	1311885	20.58	960122	23.26
07 T19487	987814	17.06	900549	20.56	460984	23.26

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3101527

Page Numbers

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1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

DATE SAMPLES SHIPPED

10/15/03

LAB DESTINATION

Trace Analysis

LABORATORY CONTACT

James Taylor

SEND LAB REPORT TO

Mark Edwards

P.O. Box 2078

Carlsbad, NM 88220

DATE REPORT REQUIRED

11/15/03

PROJECT CONTACT

Ken Richardson

PROJECT CONTACT PHONE NO.

(505) 234-8395

SAMPLING PROGRAM

WIPP/AMP

PURCHASE ORDER NO.

3230

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
7476 WQ4CR17N1	Ground Water	40 ml. x 4	HCL pH<2	VOC	Method 8260
77 WQ4CR17N1A	↑	40 ml. x 4	↑	VOC	↑
78 WQ4CR17N2	↑	40 ml. x 2	↑	VOC (other)	↑
79 WQ4CR17N2D	↑	40 ml. x 2	↑	VOC (other)	↑
80 WQ4CR17N3	↑	40 ml. x 4	↓	VOC Trip Blank	↓
81 WQ4CR17N3D	↑	40 ml. x 4	HCL pH<2	VOC Trip Blank	Method 8260
82 WQ4CR17N4	↑	500 ml. x 1	H2SO4 pH<2	TOX •	Method 9020B
83 WQ4CR17N4D	↑	500 ml. x 1	H2SO4 pH<2	TOX •	Method 9020B
84 WQ4CR17N5	↑	250 ml. x 1	HCL pH<2	TOC	Method 415.1
85 WQ4CR17N5A	↑	250 ml. x 1	HCL pH<2	TOC	Method 415.1
86 WQ4CR17N6	↑	1 liter x 6	NONE	Semi-Volatiles	Method 8270
87 WQ4CR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270
88 WQ4CR17N7	Ground Water	1 liter x 1	HNO3 pH<2	Metals	Method 6010

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY

Jicki Chisley

DATE/TIME

10-15-03

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

40 Causey

11:35

CHAIN-OF-CUSTODY RECORD

3101527



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6462RFA Control No. 6462

SAMPLING PROGRAM WIPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama
R. Richardson

LAB DESTINATION Trace Analysis
CARRIERWAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ4CR17N1	WQSP-4, Culebra	10/15/03 06:00-06:05	Ground Water	40ml. A-Glass x 4	8000	1947
WQ4CR17N1D	↑	06:05-06:10	↑	40ml. A-Glass x 4		1947
WQ4CR17N2	↑	06:10-06:15	↑	40ml. A-Glass x 2		1947
WQ4CR17N2D	↑	06:15-06:20	↑	40ml. A-Glass x 2		1947
WQ4CR17N3	↑	05:35-05:40	↑	40ml. A-Glass x 4		1948
WQ4CR17N3D	↑	05:40-05:45	↑	40ml. A-Glass x 4		1948
WQ4CR17N4	↑	06:20-06:25	↑	500 ml. A-Glass x 1		1948
WQ4CR17N4D	↑	06:25-06:30	↑	500 ml. A-Glass x 1		1948
WQ4CR17N5	↑	06:30-06:35	↑	250 ml. A-Glass x 1		1948
WQ4CR17N5D	↑	06:35-06:40	↑	250 ml. A-Glass x 1		1948
WQ4CR17N6	↑	06:40-06:45	↑	1 liter A-Glass x 6		1948
WQ4CR17N6D	↓	06:45-06:50	↓	1 liter A-Glass x 2		1948
WQ4CR17N7	WQSP-4, Culebra	10/15/03 06:50-06:55	Ground Water	1 liter plastic x 1		1948

Special Instructions: NONEPossible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Ron Richardson / WRES / 10-15-03 / 11:35 AM

3. Relinquished By: _____

Received By: Dicki Dumas / 10-15-03 / 11:35

Received By: _____

2. Relinquished By: _____

4. Relinquished By: _____

Received By: _____

Received By: _____

Dumas 40

3101527



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP.
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 0463

RFA Control No. 6463

SAMPLING PROGRAM WIAP/DMP
SAMPLE TEAM MEMBERS B. Foster, R. Richardson

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. N/A

[illegible]

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Ry Richardson / WRES / 10-15-03 / 11:35 AM

3. Relinquished By: _____

Received By: Dicki Bunsley 10.15.03 11:35

Received By: _____

2. Relinquished By: _____

4. Relinquished By: _____

Received By: _____

Received By: _____

WP 02-EM3001

day to 40

WHITE - Original, to accompany samples

YELLOW - Field Copy

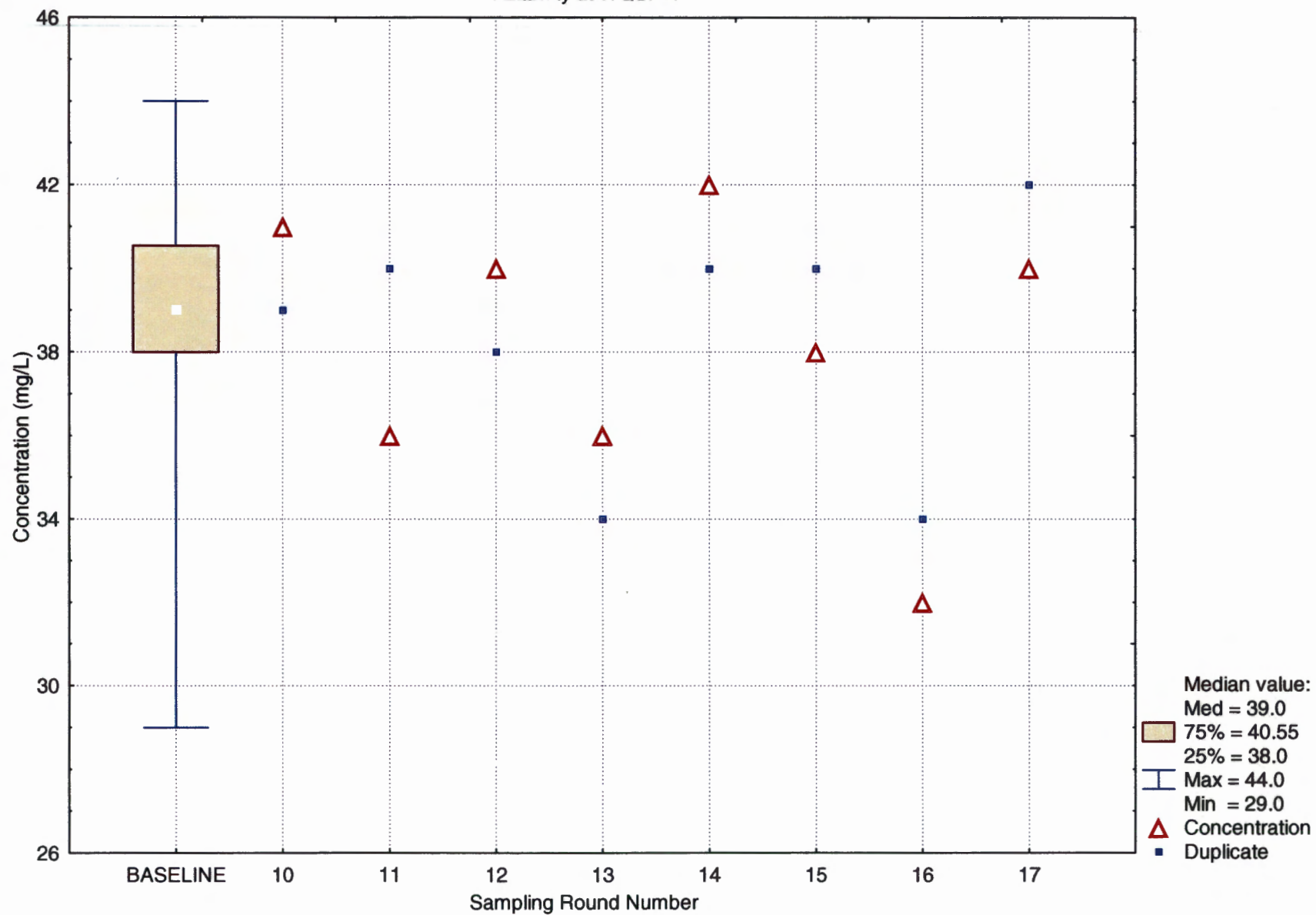
PINK - Other

Page 4

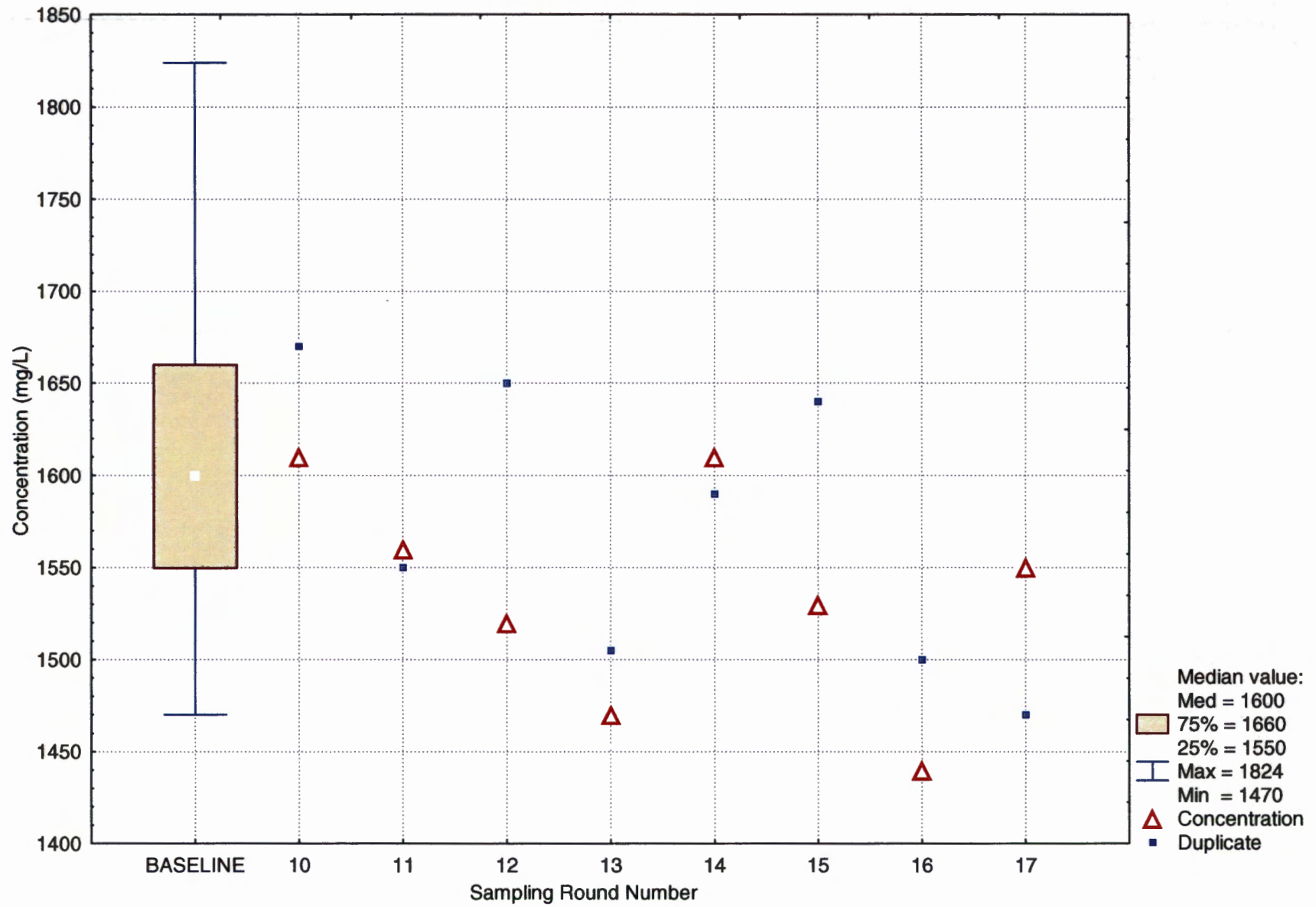
WELL WQSP-4

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

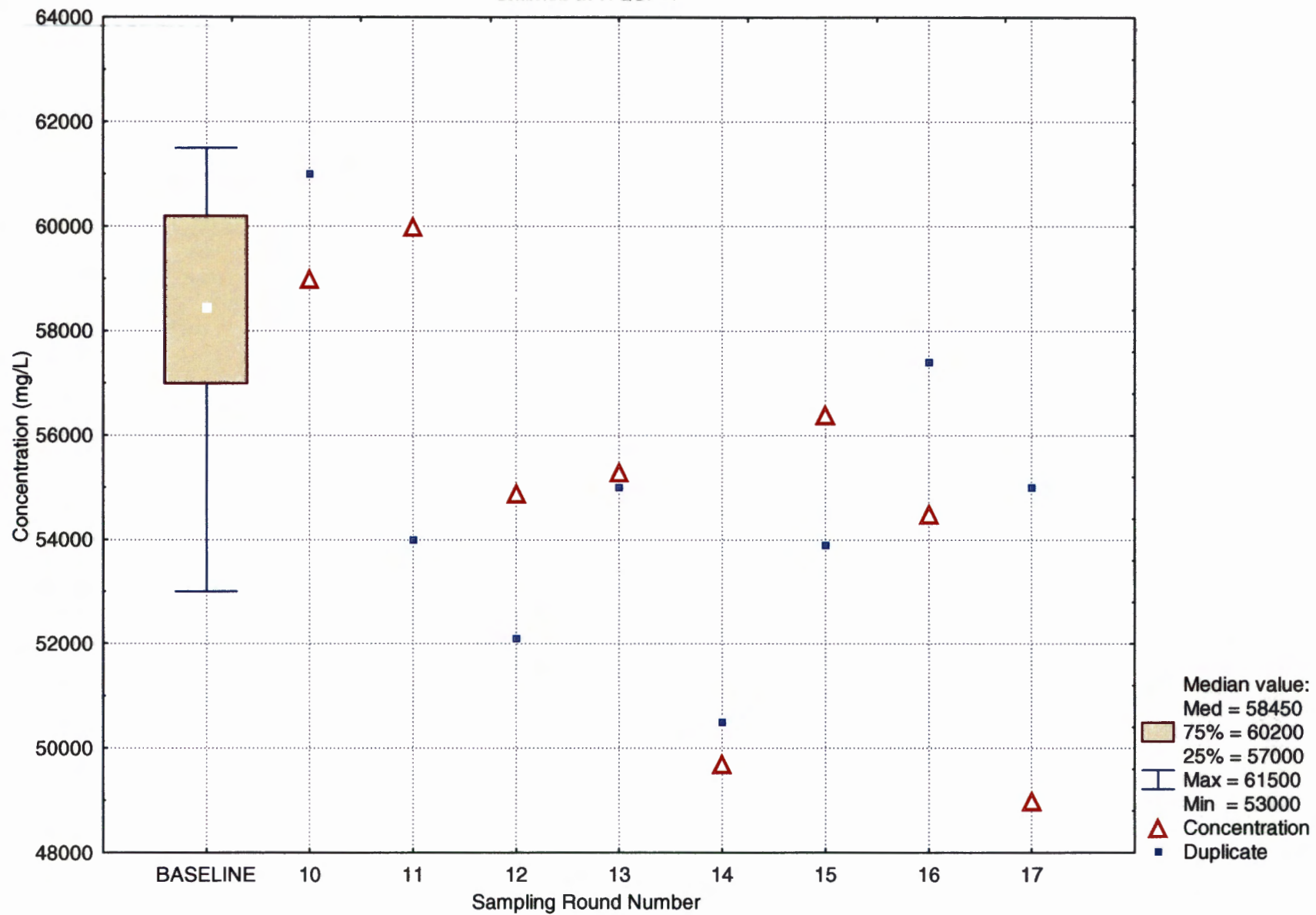
Alkalinity at WQSP-4



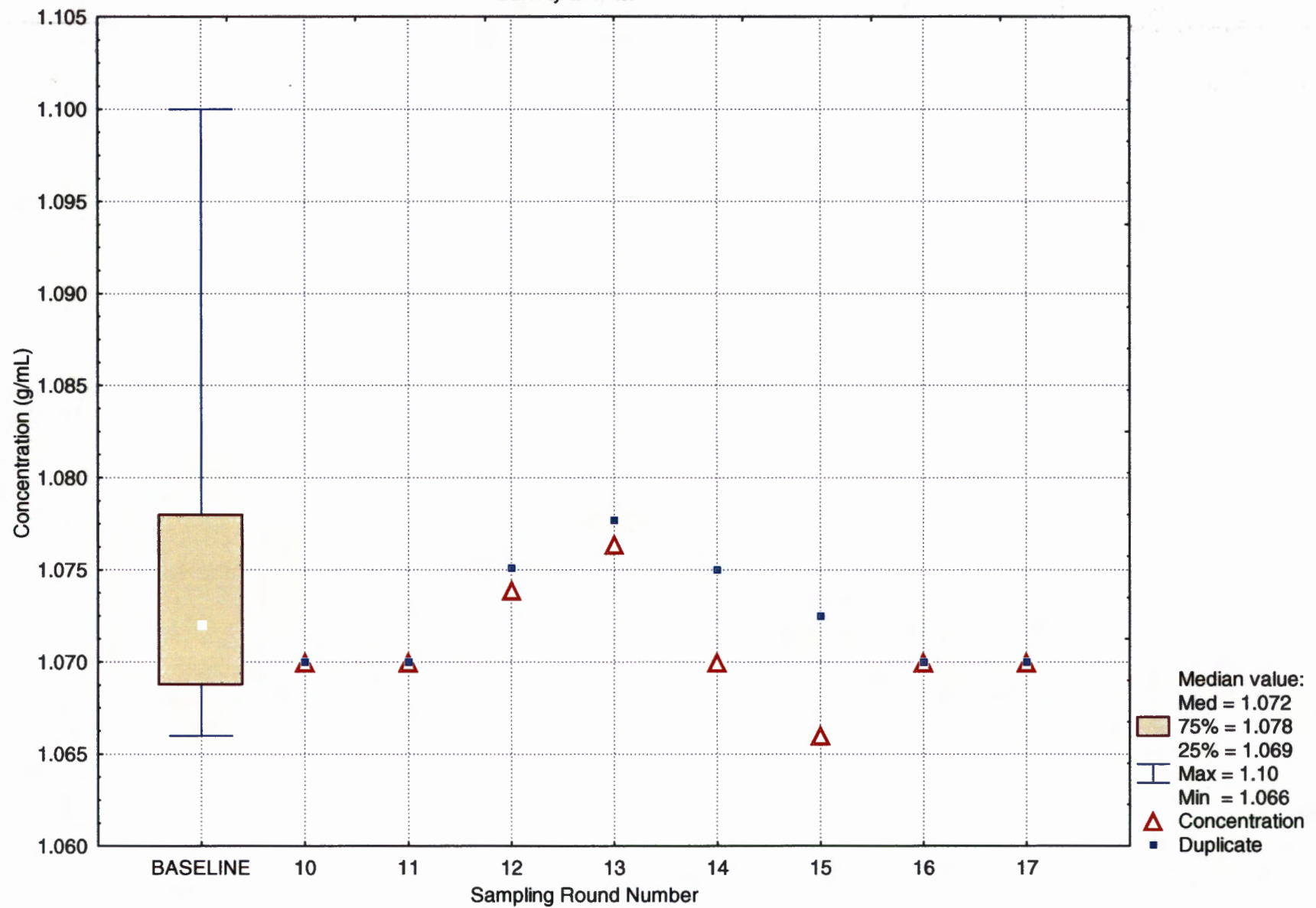
Calcium at WQSP-4



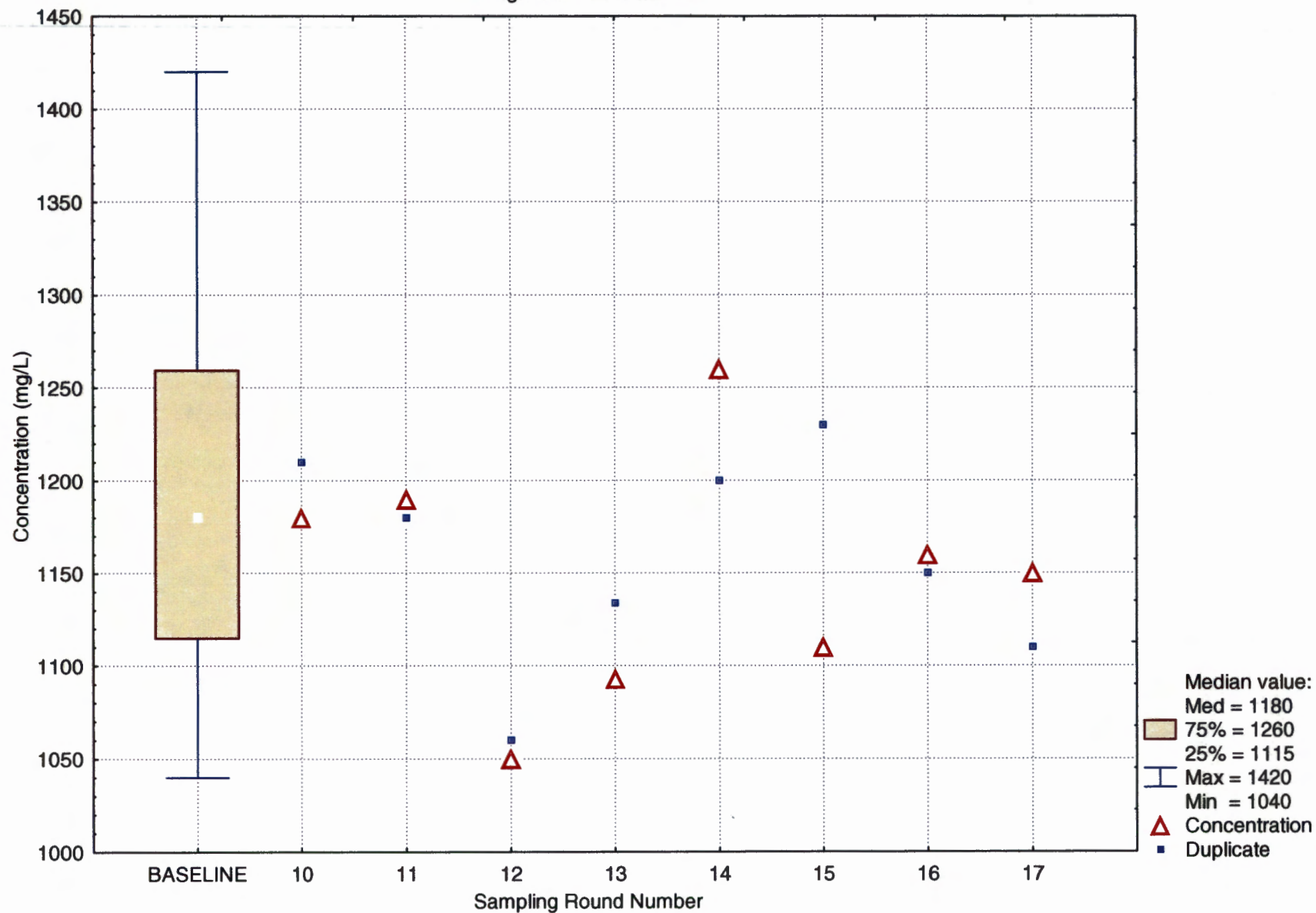
Chloride at WQSP-4

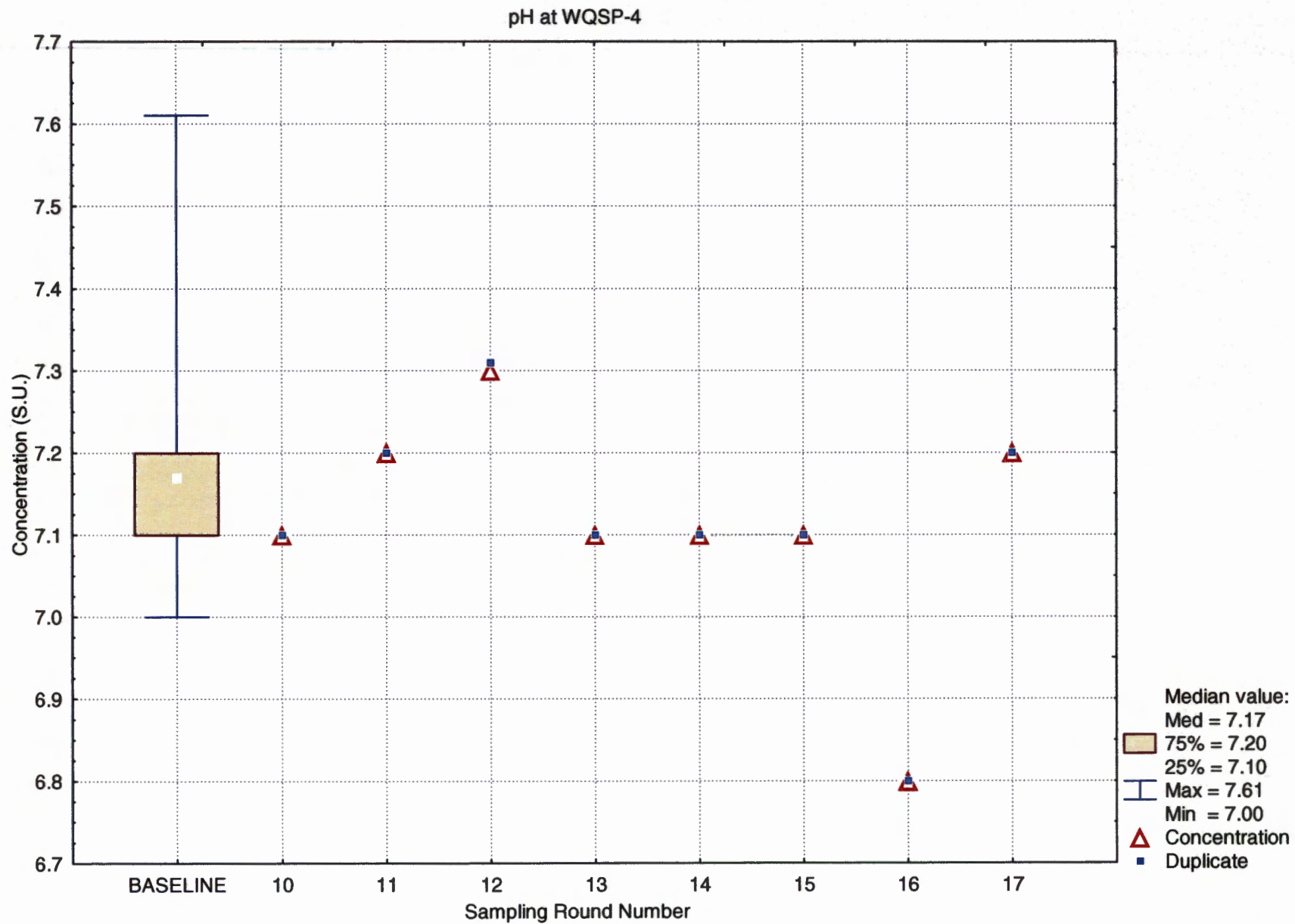


Density at WQSP-4

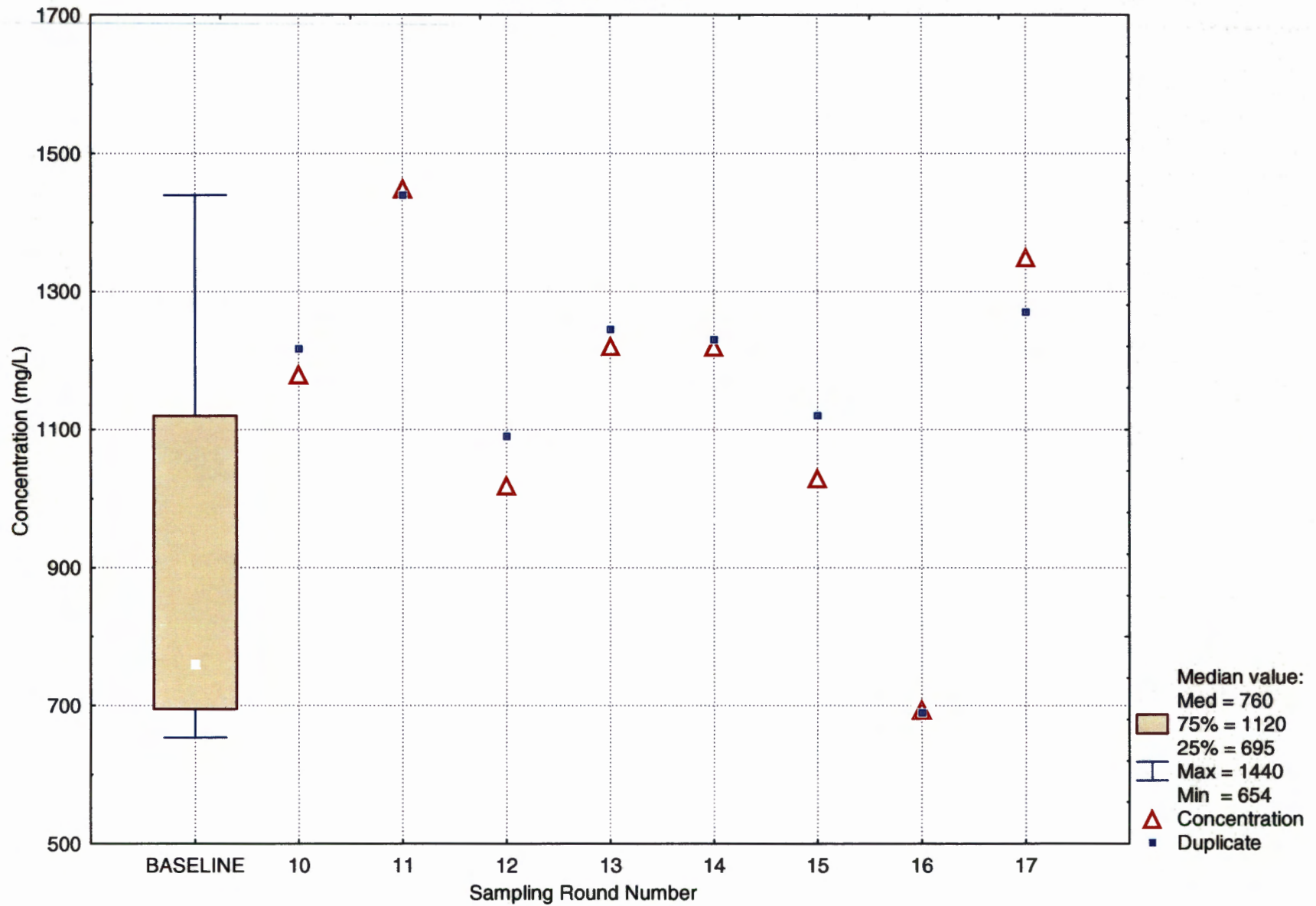


Magnesium at WQSP-4

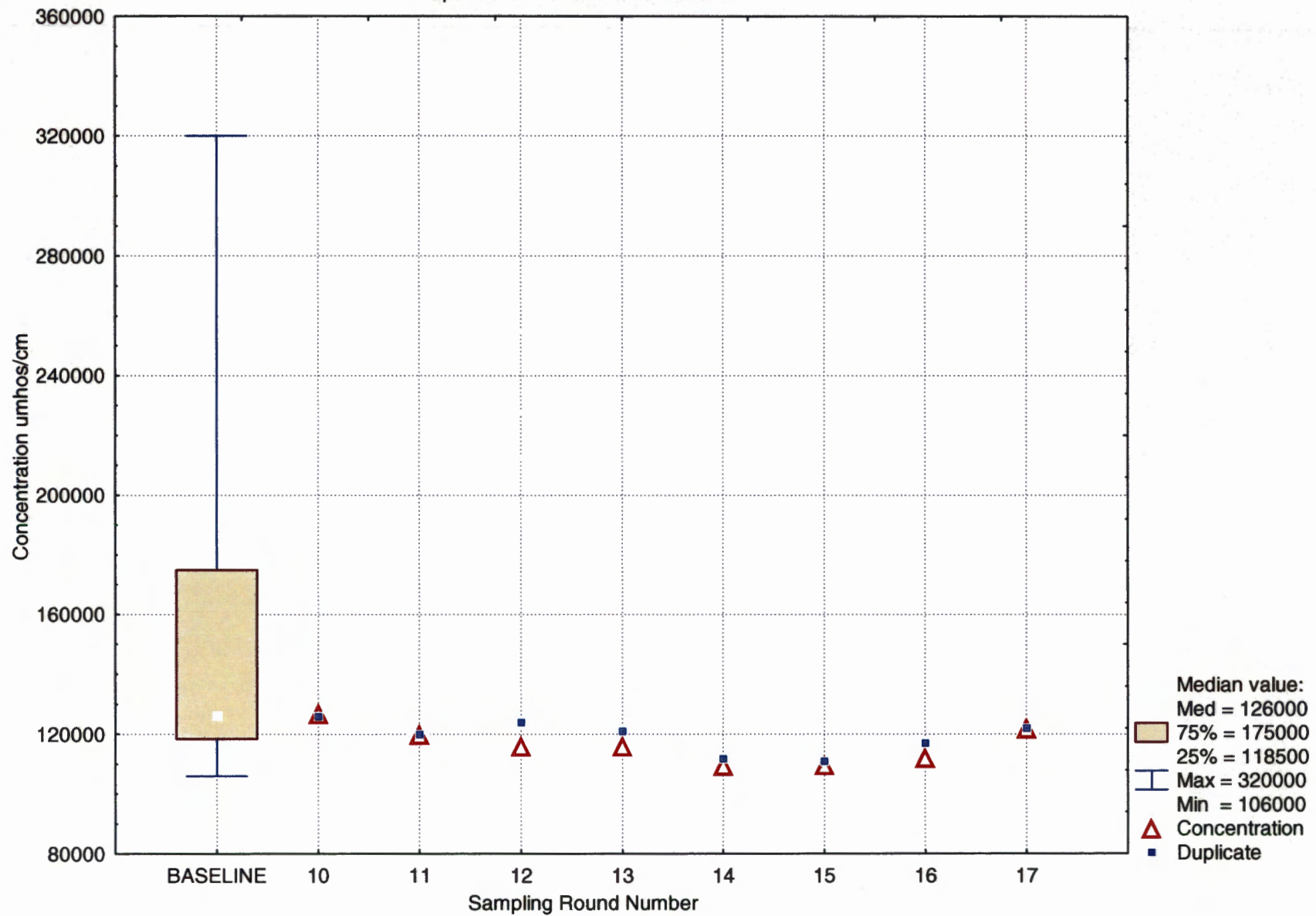




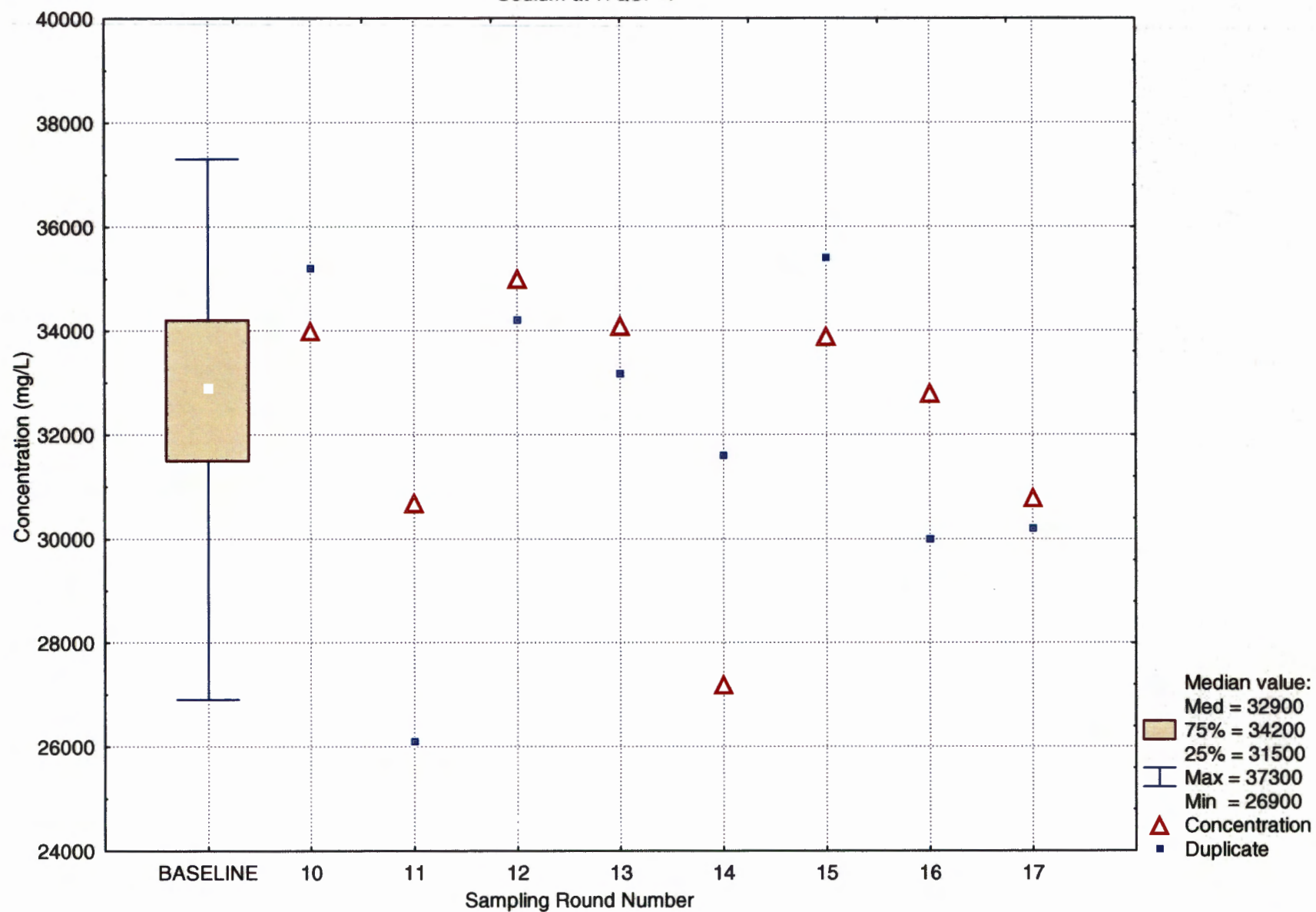
Potassium at WQSP-4



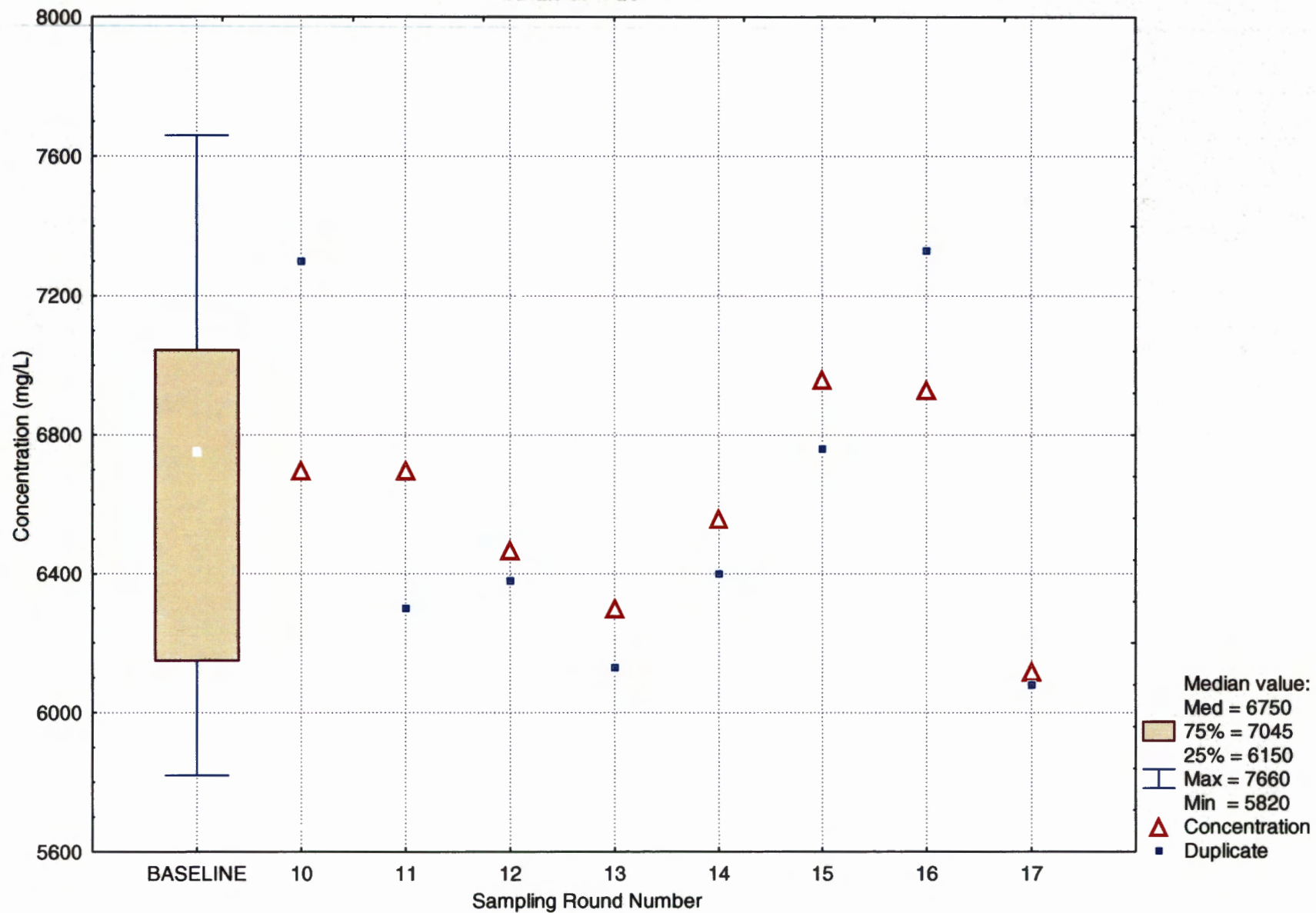
Specific Conductance at WQSP-4



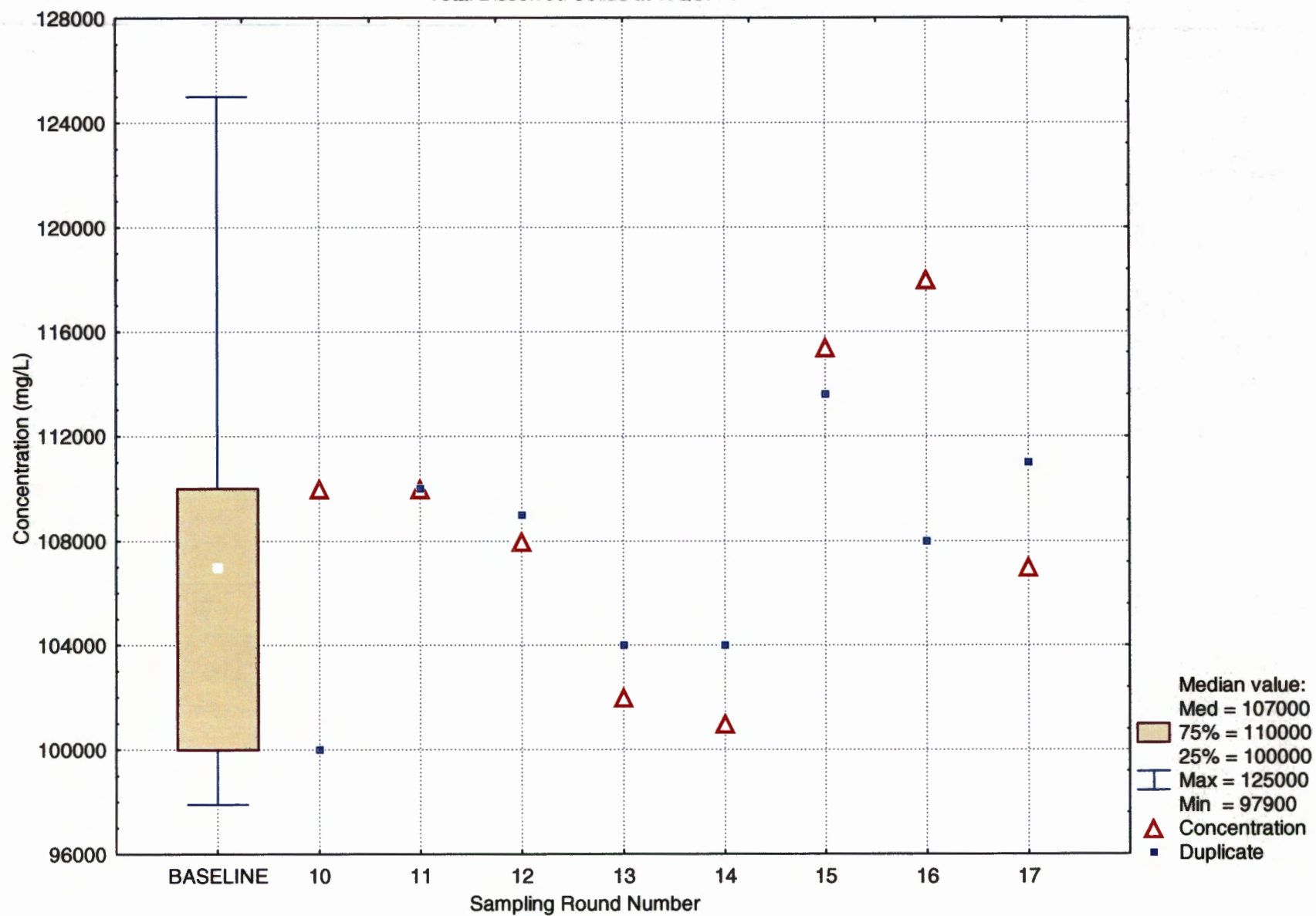
Sodium at WQSP-4



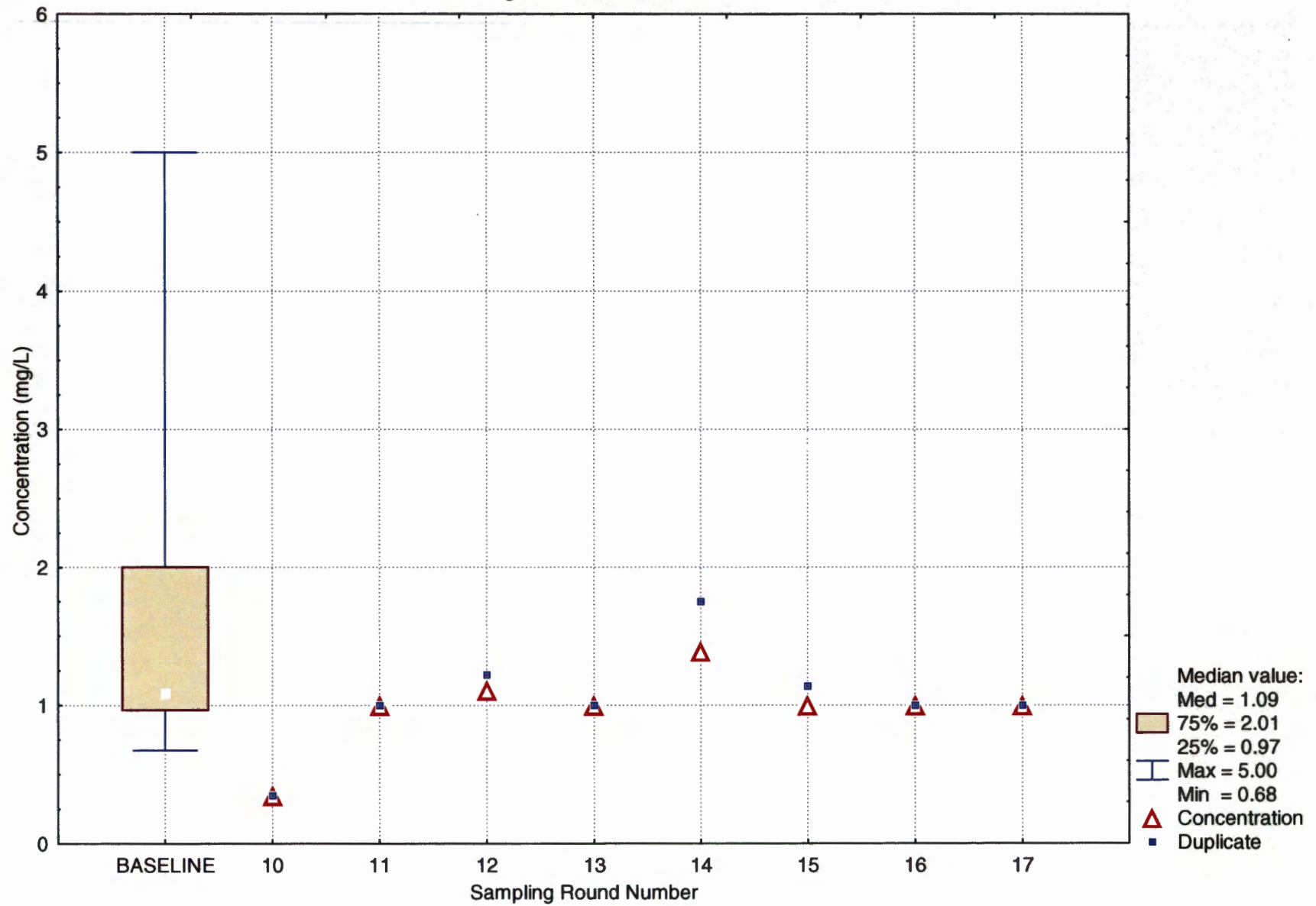
Sulfate at WQSP-4



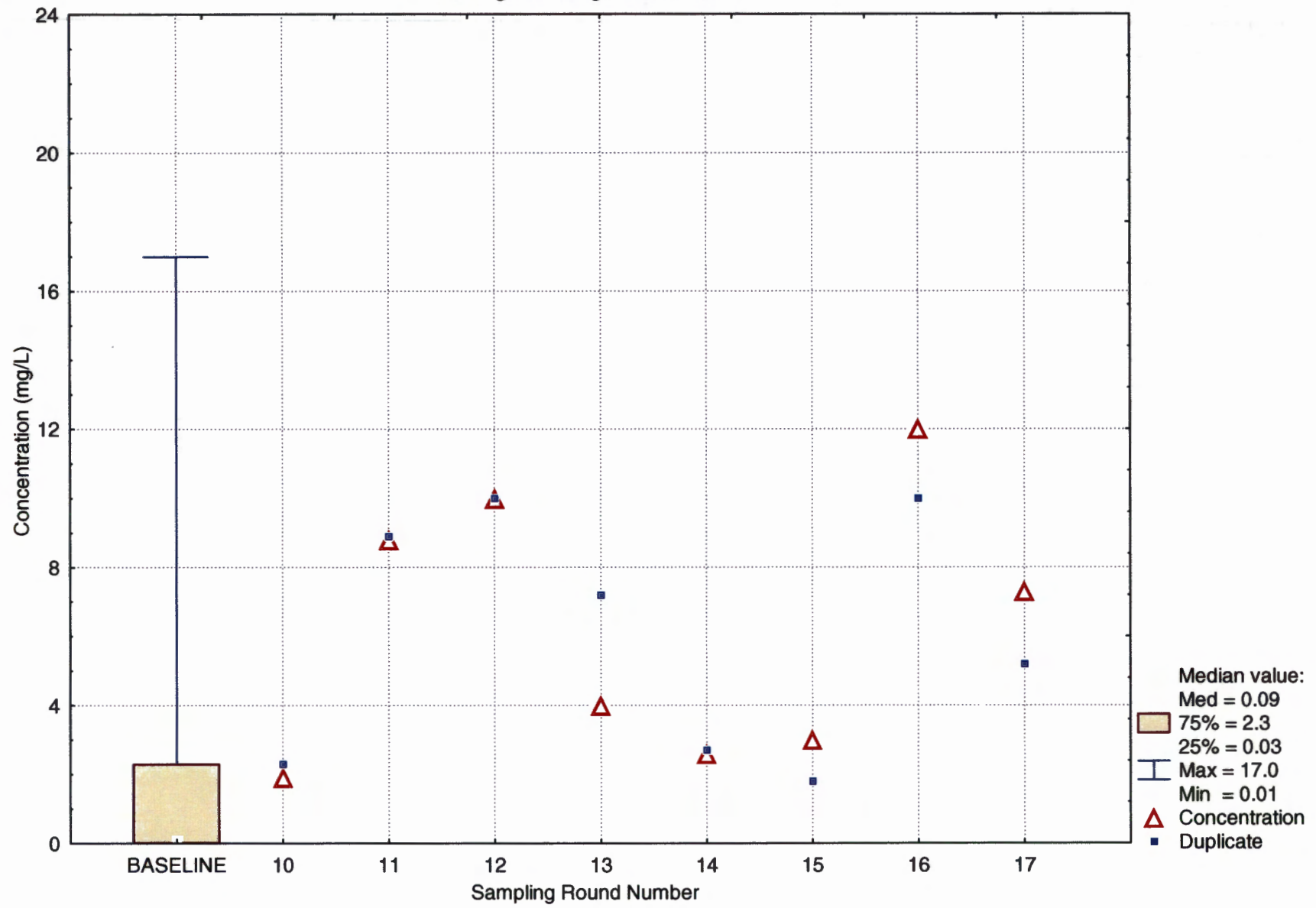
Total Dissolved Solids at WQSP-4



Total Organic Carbon at WQSP-4

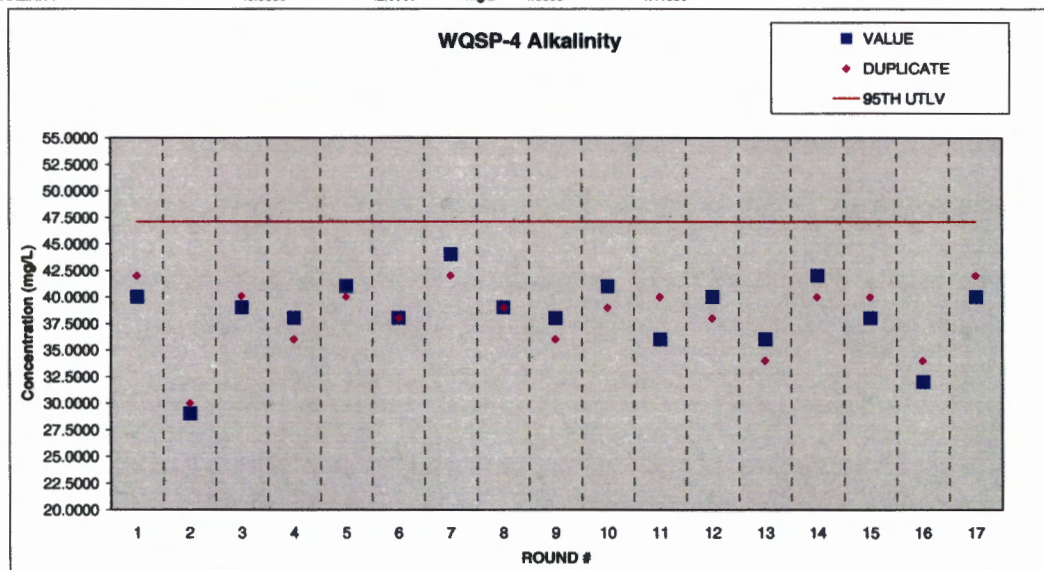


Total Organic Halogens at WQSP-4



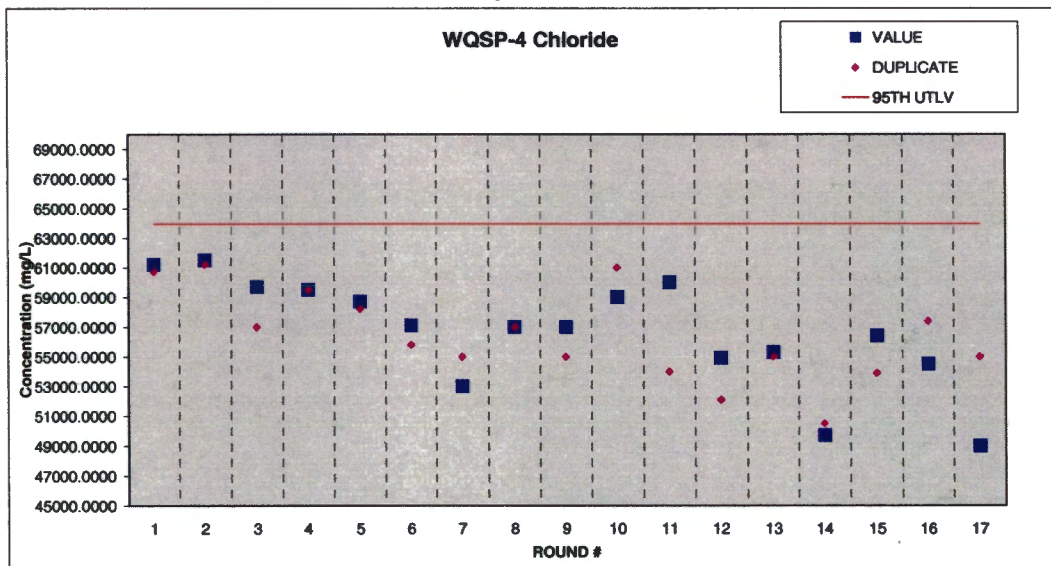
WQSP-4 Alkalinity

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	ALKALINITY	40.0000	42.0000	mg/L	5.0000	47.1000		< 5.0000	1	10/02/95	09/28/95
	ALKALINITY	29.0000	30.0000	mg/L	5.0000	47.1000	0.0000	< 5.0000	2	05/31/96	05/23/96
	ALKALINITY	39.0000	40.1000	mg/L	5.0000	47.1000	0.0000	< 5.0000	3	09/26/96	09/12/96
	ALKALINITY	38.0000	38.0000	mg/L	5.0000	47.1000		< 5.0000	4	06/08/97	06/05/97
	ALKALINITY	41.0000	40.0000	mg/L	5.0000	47.1000	0.0000	< 5.0000	5	09/28/97	09/11/97
	ALKALINITY	38.0000	38.0000	mg/L	5.0000	47.1000			6	05/12/98	05/08/98
	ALKALINITY	44.0000	42.0000	mg/L	1.0000	47.1000		< 1.0000	7	09/30/98	09/23/98
	ALKALINITY	39.0000	39.0000	mg/L	4.0000	47.1000		< 4.0000	8	04/22/99	04/21/99
	ALKALINITY	38.0000	38.0000	mg/L	4.0000	47.1000			9	10/22/99	10/13/99
	ALKALINITY	41.0000	39.0000	mg/L	4.0000	47.1000			10	04/17/00	04/12/00
	ALKALINITY	36.0000	40.0000	mg/L	4.0000	47.1000		< 4.0000	11	10/31/00	10/18/00
	ALKALINITY	40.0000	38.0000	mg/L	4.0000	47.1000			12	04/25/01	04/18/01
	ALKALINITY	36.0000	34.0000	mg/L	4.0000	47.1000			13	10/23/01	10/17/01
	ALKALINITY	42.0000	40.0000	mg/L	4.0000	47.1000			14	04/18/02	04/17/02
	ALKALINITY	38.0000	40.0000	mg/L	4.0000	47.1000			15	10/22/02	10/18/02
	ALKALINITY	32.0000	34.0000	mg/L	4.0000	47.1000			16	04/15/03	04/09/03
	ALKALINITY	40.0000	42.0000	mg/L	4.0000	47.1000			17	10/21/03	10/15/03



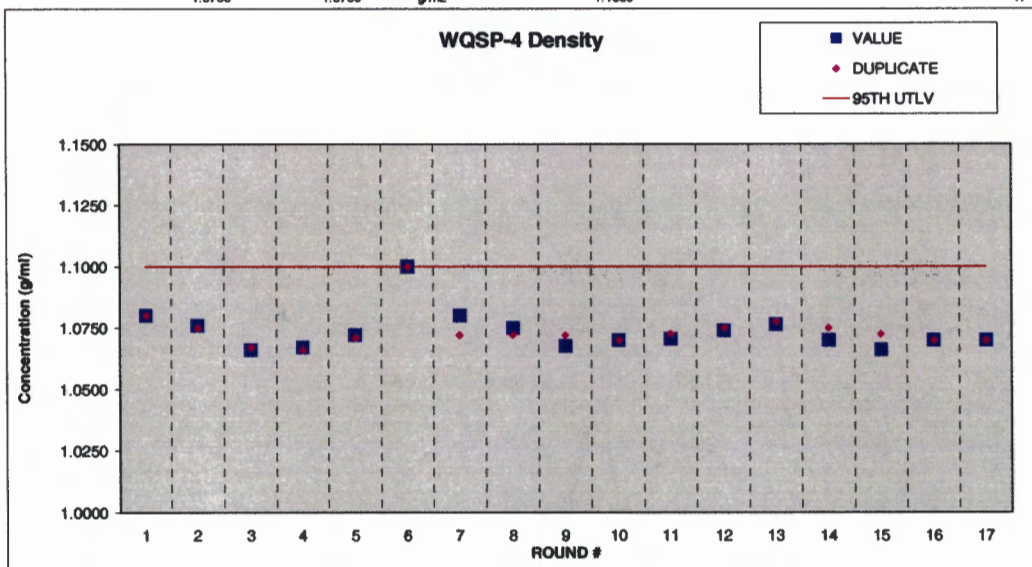
WQSP-4 Chloride

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	61200.0000	60700.0000	mg/L	5.0000	63980.0000	< 5.0000	5.0000	1	10/13/95	09/28/95
7782-50-5	CHLORIDE	61500.0000	61200.0000	mg/L	2500.0000	63980.0000	< 5.0000	5.0000	2	05/29/96	05/23/96
7782-50-5	CHLORIDE	59700.0000	57000.0000	mg/L	2500.0000	63980.0000	< 5.0000	5.0000	3	09/18/96	08/12/96
7782-50-5	CHLORIDE	59600.0000	59600.0000	mg/L	5000.0000	63980.0000	< 5.0000	5.0000	4	08/18/97	08/05/97
7782-50-5	CHLORIDE	58700.0000	58200.0000	mg/L	5000.0000	63980.0000	< 5.0000	5.0000	5	09/28/97	09/11/97
7782-50-5	CHLORIDE	57100.0000	55800.0000	mg/L	0.0160	63980.0000	< 5.0000	0.0219	6	05/12/98	05/06/98
7782-50-5	CHLORIDE	53000.0000	55000.0000	mg/L	0.5000	63980.0000	< 5.0000	1.9500	7	09/28/98	09/23/98
7782-50-5	CHLORIDE	57000.0000	57000.0000	mg/L	0.5000	63980.0000	< 5.0000	5.0000	8	04/22/99	04/21/99
7782-50-5	CHLORIDE	57000.0000	55000.0000	mg/L	0.5000	63980.0000	< 5.0000	5.0000	9	10/13/99	10/13/99
7782-50-5	CHLORIDE	59000.0000	61000.0000	mg/L	0.5000	63980.0000	< 5.0000	5.0000	10	04/18/00	04/12/00
7782-50-5	CHLORIDE	60000.0000	54000.0000	mg/L	0.5000	63980.0000	< 5.0000	5.0000	11	11/15/00	10/18/00
7782-50-5	CHLORIDE	54800.0000	52100.0000	mg/L	0.5000	63980.0000	< 5.0000	5.0000	12	04/19/01	04/18/01
7782-50-5	CHLORIDE	55300.0000	55000.0000	mg/L	2.0000	63980.0000	< 5.0000	5.0000	13	10/23/01	10/17/01
7782-50-5	CHLORIDE	49700.0000	50500.0000	mg/L	2.0000	63980.0000	< 5.0000	5.0000	14	04/22/02	04/17/02
7782-50-5	CHLORIDE	56400.0000	53900.0000	mg/L	2.0000	63980.0000	< 5.0000	5.0000	15	10/16/02	10/16/02
7782-50-5	CHLORIDE	54500.0000	57400.0000	mg/L	2.0000	63980.0000	< 5.0000	5.0000	16	04/11/03	04/08/03
7782-50-5	CHLORIDE	49000.0000	55000.0000	mg/L	2.0000	63980.0000	< 5.0000	5.0000	17	10/22/03	10/15/03



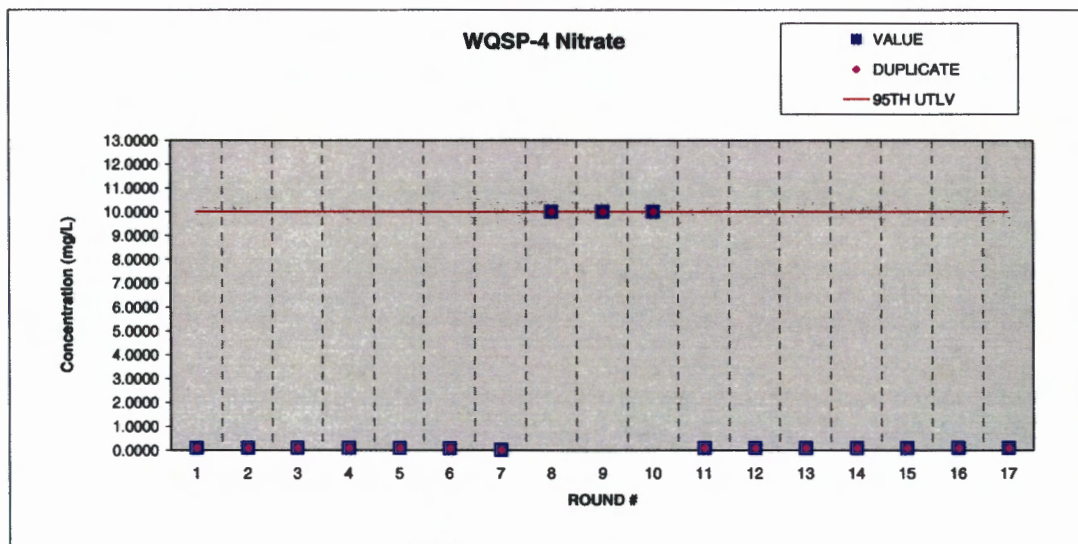
		WQSP-4 Density									
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
-	-	-	-	-	-	-	-	-	-	-	-
	DENSITY	1.0800	1.0800	g/mL	0.0000	1.1000			1	10/12/96	09/28/96
	DENSITY	1.0780	1.0750	g/mL	0.0000	1.1000			2	05/31/98	05/23/98
	DENSITY	1.0880	1.0870	g/mL	N/A	1.1000			3	09/25/98	09/12/98
	DENSITY	1.0670	1.0680	g/mL	N/A	1.1000			4	06/09/97	06/05/97
	DENSITY	1.0720	1.0710	g/mL	0.0000	1.1000			5	09/26/97	09/11/97
	DENSITY	1.1000	1.1000	g/mL		1.1000			6	05/12/98	05/08/98
	DENSITY	1.0800	1.0720	g/mL	—	1.1000			7	09/30/98	09/23/98
	DENSITY	1.0750	1.0720	g/mL		1.1000			8	04/29/99	04/21/99
	DENSITY	1.0676	1.0720	g/mL		1.1000			9	10/20/99	10/13/99
	DENSITY	1.0700	1.0700	g/mL		1.1000			10	04/24/00	04/12/00
	DENSITY	1.0705	1.0727	g/mL		1.1000			11	10/29/00	10/18/00
	DENSITY	1.0739	1.0751	g/mL		1.1000			12	04/24/01	04/18/01
	DENSITY	1.0784	1.0777	g/mL		1.1000			13	10/18/01	10/17/01
	DENSITY	1.0700	1.0750	g/mL		1.1000			14	04/18/02	04/17/02
	DENSITY	1.0680	1.0725	g/mL		1.1000			15	10/17/02	10/16/02
	DENSITY	1.0700	1.0700	g/mL		1.1000			16	04/10/03	04/09/03
	DENSITY	1.0700	1.0700	g/mL		1.1000			17	10/15/03	10/15/03

1.072
0.00175119
1.0715
1.08
0.005537749
3.06667E-05
-1.468049554
0.353306308
0.014
1.066
1.08
10.72
10
0.00396147

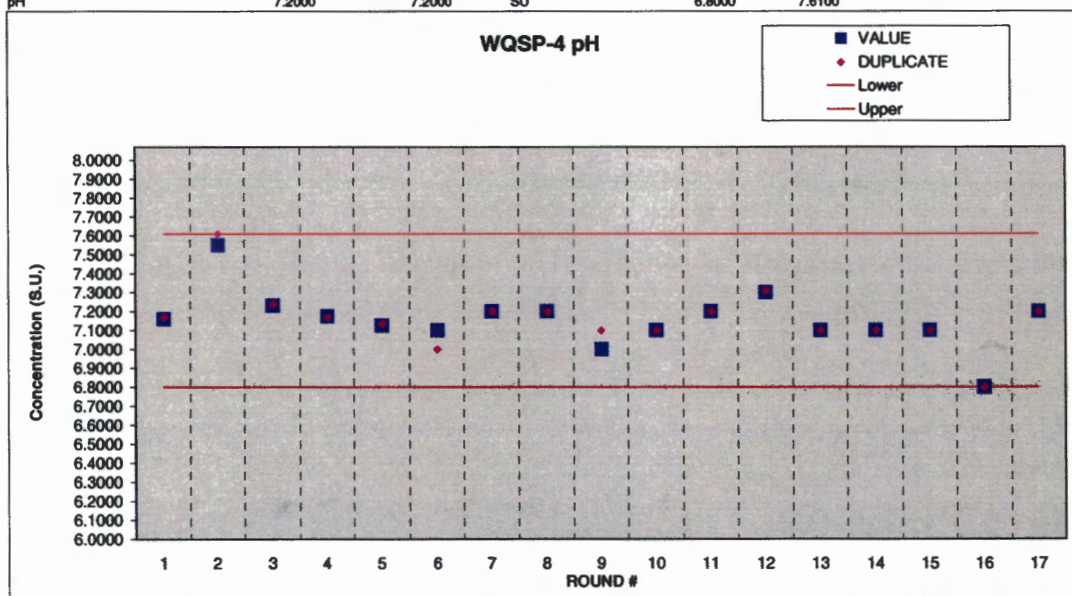


WQSP-4 Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	1	10/02/95	08/28/95
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	2	05/28/96	05/23/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	3	09/28/96	09/12/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	4	08/18/97	08/05/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	5	09/23/97	09/11/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0800	< 0.0800	mg/L	0.0800	10.0000			6	05/08/98	05/08/98
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0170	< 0.0100	mg/L	0.0100	10.0000		< 0.0100	7	09/23/99	08/23/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	8	04/22/99	04/21/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	9	10/14/99	10/13/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	10	04/13/00	04/12/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.2000	11	11/13/00	10/18/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			12	05/02/01	04/18/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	1.0000	10.0000			13	11/20/01	10/17/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			14	04/23/02	04/17/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			15	10/16/02	10/16/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			16	04/10/03	04/09/03
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			17	10/15/03	10/15/03

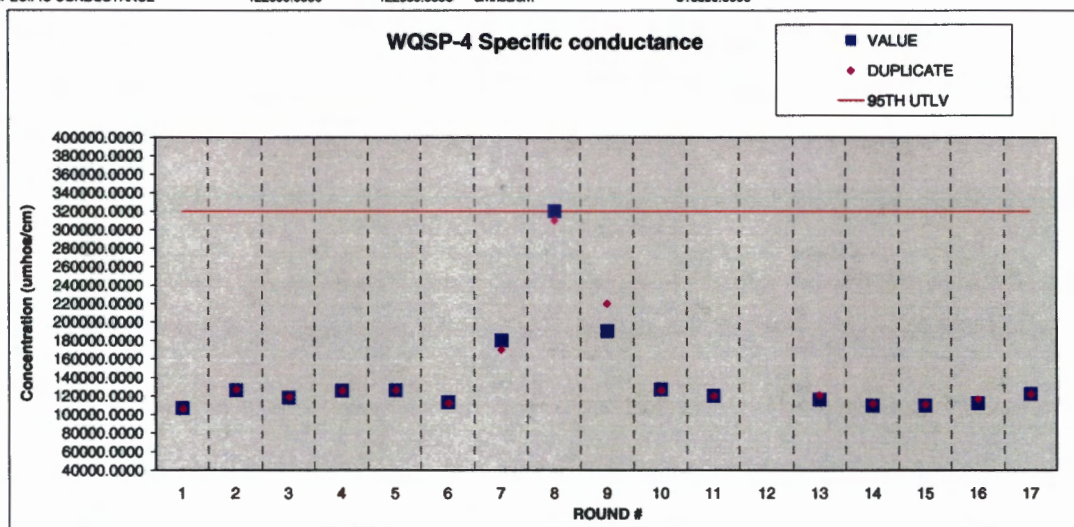


WQSP-4 pH												
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
—	—	—	—	—	—	—	—	—	—	—	—————	—————
	pH	7.1600	7.1700	SU	0.0000	6.8000	7.6100			1	09/29/95	09/28/95
	pH	7.5500	7.6100	SU	0.0000	6.8000	7.6100			2	05/25/96	05/23/96
	pH	7.2300	7.2400	SU	N/A	6.8000	7.6100			3	09/13/96	09/12/96
	pH	7.1750	7.1700	SU	N/A	6.8000	7.6100			4	06/06/97	06/05/97
	pH	7.1250	7.1350	SU	0.0000	6.8000	7.6100			5	09/15/97	09/11/97
	pH	7.1000	7.0000	SU	0.0000	6.8000	7.6100			6	05/06/98	05/06/98
	pH	7.2000	7.2000	SU	—	6.8000	7.6100			7	09/23/98	09/23/98
	pH	7.2000	7.2000	SU		6.8000	7.6100			8	04/21/99	04/21/99
	pH	7.0000	7.1000	SU		6.8000	7.6100			9	10/13/99	10/13/99
	pH	7.1000	7.1000	SU		6.8000	7.6100			10	04/12/00	04/12/00
	pH	7.2000	7.2000	SU		6.8000	7.6100			11	10/18/00	10/18/00
	pH	7.3000	7.3100	SU		6.8000	7.6100			12	04/18/01	04/18/01
	pH	7.1000	7.1000	SU		6.8000	7.6100			13	10/17/01	10/17/01
	pH	7.1000	7.1000	SU		6.8000	7.6100			14	04/17/02	04/17/02
	pH	7.1000	7.1000	SU		6.8000	7.6100			15	10/16/02	10/16/02
	pH	6.8000	6.8000	SU		6.8000	7.6100			16	04/09/03	04/09/03
	pH	7.2000	7.2000	SU		6.8000	7.6100			17	10/15/03	10/15/03



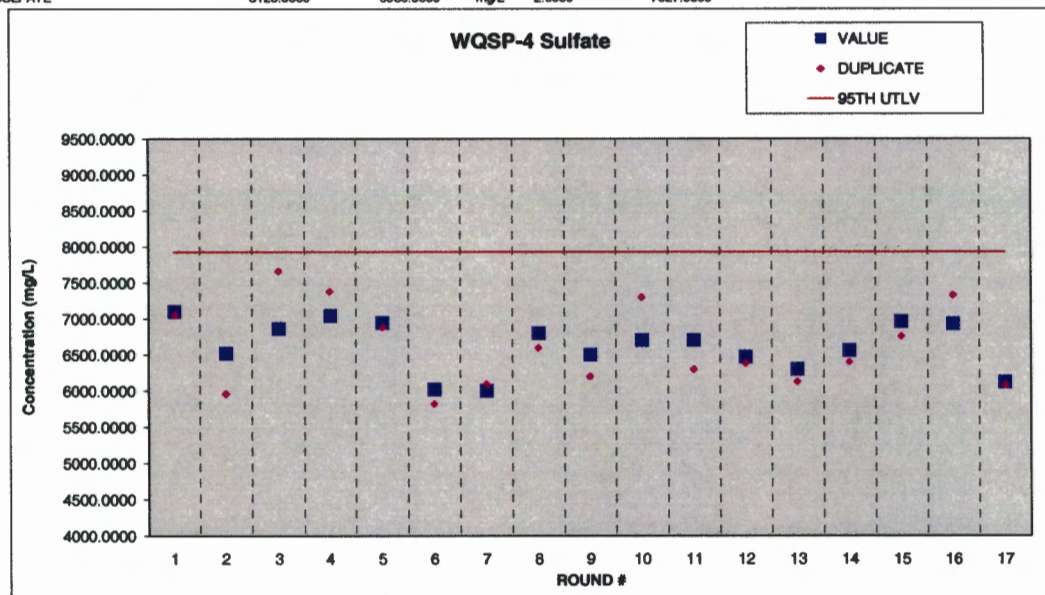
WQSP-4 Specific conductance

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	107000.0000	108000.0000	umhos/cm	1.0000	319800.0000			1	10/10/95	08/28/95
	SPECIFIC CONDUCTANCE	126000.0000	127000.0000	umhos/cm	3.0000	319800.0000			2	05/31/96	05/23/96
	SPECIFIC CONDUCTANCE	118000.0000	119000.0000	umhos/cm	3.0000	319800.0000			3	09/19/96	09/12/96
	SPECIFIC CONDUCTANCE	125500.0000	125500.0000	umhos/cm	3.0000	319800.0000			4	06/09/97	06/05/97
	SPECIFIC CONDUCTANCE	128000.0000	126500.0000	umhos/cm	3.0000	319800.0000			5	09/30/97	09/11/97
	SPECIFIC CONDUCTANCE	113000.0000	112000.0000	umhos/cm		319800.0000			6	05/12/98	5/8/98
	SPECIFIC CONDUCTANCE	180000.0000	170000.0000	uMHCs/cm	---	319800.0000		3.2000	7	10/09/98	09/23/98
	SPECIFIC CONDUCTANCE	320000.0000	310000.0000	uMHCs/cm		319800.0000		4.4000	8	04/21/99	04/21/99
	SPECIFIC CONDUCTANCE	190000.0000	220000.0000	uMHCs/cm		319800.0000			9	10/13/99	10/13/99
	SPECIFIC CONDUCTANCE	127000.0000	126000.0000	uMHCs/cm		319800.0000			10	04/21/00	04/12/00
	SPECIFIC CONDUCTANCE	120000.0000	120000.0000	umhos/cm		319800.0000			11	10/30/00	10/18/00
	SPECIFIC CONDUCTANCE	11800.0000	12400.0000	umhos/cm		319800.0000			12	04/30/01	04/18/01
	SPECIFIC CONDUCTANCE	118000.0000	121000.0000	umhos/cm		319800.0000			13	10/22/01	10/17/01
	SPECIFIC CONDUCTANCE	109630.0000	111823.0000	umhos/cm		319800.0000			14	04/18/02	04/17/02
	SPECIFIC CONDUCTANCE	109700.0000	110900.0000	umhos/cm		319800.0000			15	10/17/02	10/16/02
	SPECIFIC CONDUCTANCE	112000.0000	117000.0000	umhos/cm		319800.0000			16	04/15/03	04/09/03
	SPECIFIC CONDUCTANCE	122000.0000	122000.0000	umhos/cm		319800.0000			17	10/15/03	10/15/03



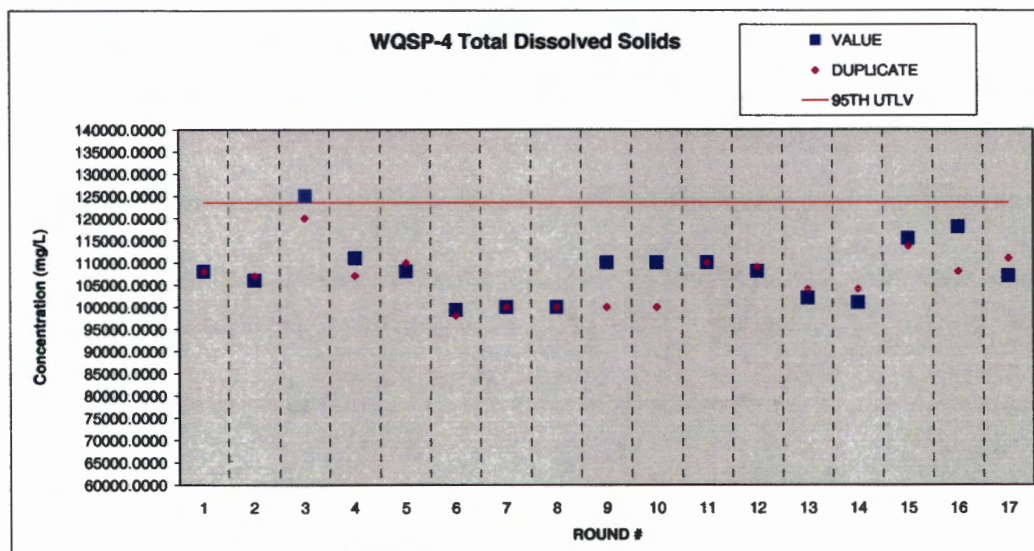
WQSP-4 Sulfate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SULFATE	7100.0000	7050.0000	mg/L	10.0000	7927.0000		< 10.0000	1	10/13/95	09/28/95
	SULFATE	6520.0000	5990.0000	mg/L	2500.0000	7927.0000		< 10.0000	2	05/29/96	05/23/96
	SULFATE	6880.0000	7680.0000	mg/L	2500.0000	7927.0000		< 10.0000	3	09/18/96	09/12/96
	SULFATE	7040.0000	7380.0000	mg/L	2500.0000	7927.0000		< 10.0000	4	08/18/97	08/05/97
	SULFATE	6940.0000	6880.0000	mg/L	2500.0000	7927.0000		< 10.0000	5	09/30/97	09/11/97
	SULFATE	8020.0000	5820.0000	mg/L	0.0400	7927.0000		0.0663	6	05/12/98	05/06/98
	SULFATE	6000.0000	6100.0000	mg/L	0.5000	7927.0000			7	10/01/98	09/23/98
	SULFATE	6800.0000	6600.0000	mg/L	0.5000	7927.0000		< 0.5000	8	04/22/99	04/21/99
	SULFATE	6500.0000	6200.0000	mg/L	0.5000	7927.0000		< 0.5000	9	10/13/99	10/13/99
	SULFATE	6700.0000	7300.0000	mg/L	0.5000	7927.0000		< 0.5000	10	04/18/00	04/12/00
	SULFATE	6700.0000	6300.0000	mg/L	0.5000	7927.0000		< 0.5000	11	11/15/00	10/18/00
	SULFATE	6470.0000	6380.0000	mg/L	0.5000	7927.0000			12	04/19/01	04/18/01
	SULFATE	6300.0000	6130.0000	mg/L	2.0000	7927.0000			13	10/22/01	10/17/01
	SULFATE	6560.0000	6400.0000	mg/L	2.0000	7927.0000			14	04/22/02	04/17/02
	SULFATE	6980.0000	6780.0000	mg/L	2.0000	7927.0000			15	10/16/02	10/16/02
	SULFATE	6930.0000	7330.0000	mg/L	2.0000	7927.0000			16	04/11/03	04/09/03
	SULFATE	6120.0000	6080.0000	mg/L	2.0000	7927.0000			17	10/17/03	10/15/03



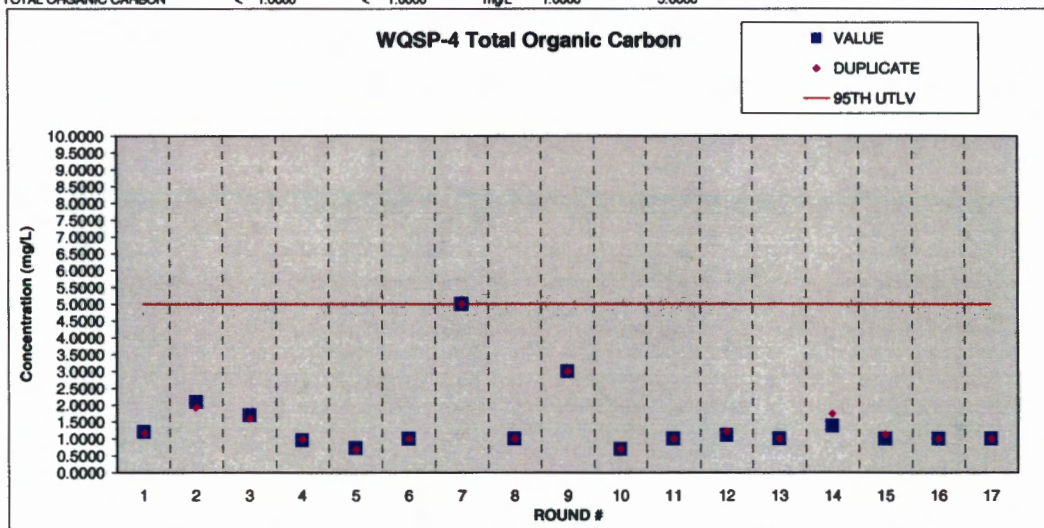
WQSP-4 Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	108000.0000	108000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	1	10/06/96	09/28/96
	TOTAL DISS SOLIDS	108000.0000	107000.0000	mg/L	200.0000	123500.0000	< 10.0000	10.0000	2	05/31/96	05/23/96
	TOTAL DISS SOLIDS	125000.0000	120000.0000	mg/L	200.0000	123500.0000	< 10.0000	10.0000	3	08/19/96	09/12/96
	TOTAL DISS SOLIDS	111000.0000	107000.0000	mg/L	200.0000	123500.0000	< 10.0000	10.0000	4	06/10/97	06/05/97
	TOTAL DISS SOLIDS	108000.0000	110000.0000	mg/L	200.0000	123500.0000	< 10.0000	10.0000	5	09/18/97	09/11/97
	TOTAL DISS SOLIDS	96300.0000	97900.0000	mg/L		123500.0000			6	05/12/98	05/06/98
	TOTAL DISS SOLIDS	100000.0000	100000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	7	09/28/98	09/23/98
	TOTAL DISS SOLIDS	100000.0000	100000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	8	04/22/99	04/21/99
	TOTAL DISS SOLIDS	110000.0000	100000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	9	10/13/99	10/13/99
	TOTAL DISS SOLIDS	110000.0000	100000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	10	04/14/00	04/12/00
	TOTAL DISS SOLIDS	110000.0000	110000.0000	mg/L	10.0000	123500.0000	< 10.0000	10.0000	11	10/24/00	10/18/00
	TOTAL DISS SOLIDS	108000.0000	109000.0000	mg/L	10.0000	123500.0000			12	04/25/01	04/18/01
	TOTAL DISS SOLIDS	102000.0000	104000.0000	mg/L	10.0000	123500.0000			13	10/22/01	10/17/01
	TOTAL DISS SOLIDS	101000.0000	104000.0000	mg/L	10.0000	123500.0000			14	04/18/02	04/17/02
	TOTAL DISS SOLIDS	115400.0000	113800.0000	mg/L	10.0000	123500.0000			15	10/17/02	10/16/02
	TOTAL DISS SOLIDS	118000.0000	108000.0000	mg/L	10.0000	123500.0000			16	04/15/03	04/09/03
	TOTAL DISS SOLIDS	107000.0000	111000.0000	mg/L	10.0000	123500.0000			17	10/22/03	10/15/03



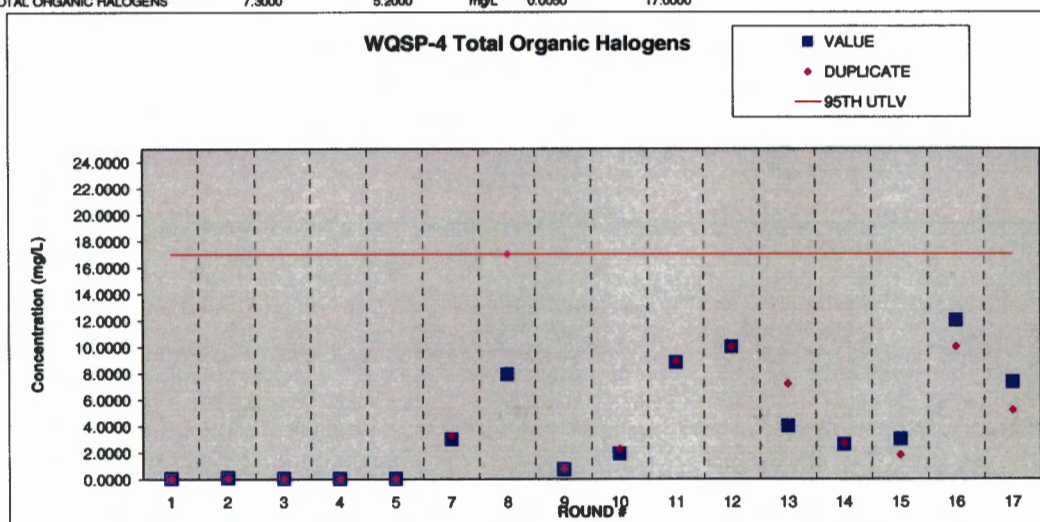
WQSP-4 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.2000	1.1700	mg/L	0.5000	5.0000		< 0.5000	1	10/12/95	09/28/95
	TOTAL ORGANIC CARBON	2.0900	1.9200	mg/L	0.5000	5.0000		< 0.5000	2	05/31/96	05/23/96
	TOTAL ORGANIC CARBON	1.7000	1.6000	mg/L	0.5000	5.0000		< 0.5000	3	09/18/96	09/12/96
	TOTAL ORGANIC CARBON	0.9515	0.9850	mg/L	0.5000	5.0000		< 0.5000	4	09/19/97	09/05/97
	TOTAL ORGANIC CARBON	0.7230	0.6750	mg/L	0.5000	5.0000		< 0.5000	5	09/25/97	09/11/97
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	0.1000	5.0000		< 0.1000	6	05/12/98	05/06/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	5.0000		< 5.0000	7	09/27/98	09/23/98
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000		< 1.0000	8	04/27/99	04/21/99
	TOTAL ORGANIC CARBON	< 3.0000	< 3.0000	mg/L	3.0000	5.0000		< 3.0000	9	10/25/99	10/13/99
	TOTAL ORGANIC CARBON	< 0.7000	< 0.7000	mg/L	0.7000	5.0000		< 0.7000	10	04/19/00	04/12/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000		< 1.0000	11	11/03/00	10/18/00
	TOTAL ORGANIC CARBON	1.1100	1.2200	mg/L	1.0000	5.0000			12	04/27/01	04/18/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			13	10/20/01	10/17/01
	TOTAL ORGANIC CARBON	1.3900	< 1.7500	mg/L	1.0000	5.0000			14	04/23/02	04/17/02
	TOTAL ORGANIC CARBON	< 1.0000	1.1400	mg/L	1.0000	5.0000			15	10/29/02	10/16/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			16	04/22/03	04/09/03
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			17	10/23/03	10/15/03



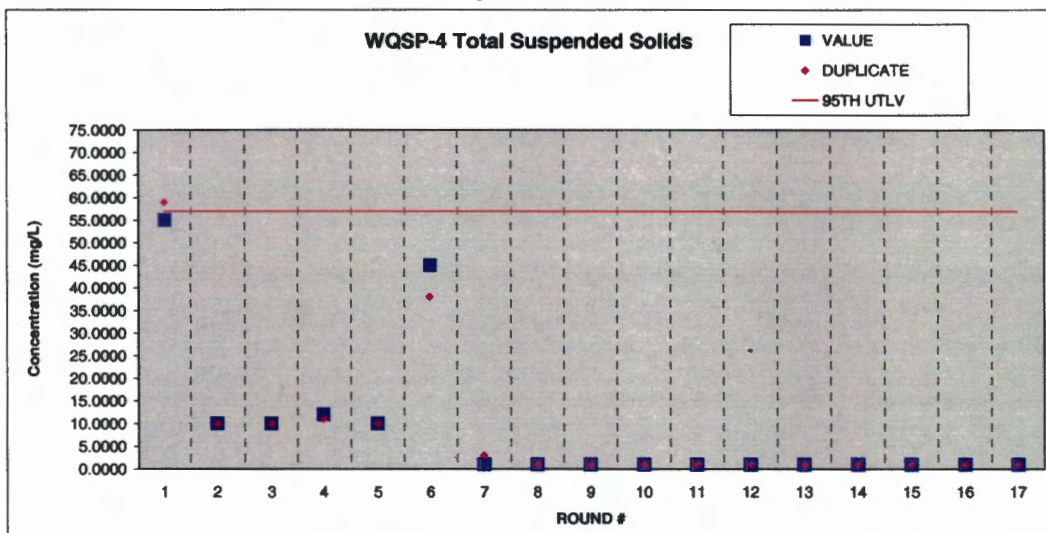
WQSP-4 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.0590	< 0.0200	mg/L	0.0200	17.0000	< 0.0100	0.0100	1	10/27/95	09/28/95
	TOTAL ORGANIC HALOGENS	0.1020	0.0648	mg/L	0.0100	17.0000	< 0.0100	0.0100	2	06/14/96	05/23/96
	TOTAL ORGANIC HALOGENS	0.0468	0.0464	mg/L	0.0100	17.0000	0.0154	0.0154	3	09/18/96	09/12/96
	TOTAL ORGANIC HALOGENS	0.0265	0.0249	mg/L	0.0100	17.0000	0.0118	0.0118	4	08/20/97	08/05/97
	TOTAL ORGANIC HALOGENS	0.0228	0.0228	mg/L	0.0100	17.0000	0.0134	0.0134	5	09/28/97	08/11/97
	TOTAL ORGANIC HALOGENS	3.0000	3.3000	mg/L	0.0100	17.0000			7	09/28/98	09/23/98
	TOTAL ORGANIC HALOGENS	7.9000	17.0000	mg/L		17.0000			8	05/04/99	04/21/99
	TOTAL ORGANIC HALOGENS	0.7100	0.8000	mg/L		17.0000			9	10/28/99	10/13/99
	TOTAL ORGANIC HALOGENS	1.9000	2.3000	mg/L		17.0000			10	04/20/00	04/12/00
	TOTAL ORGANIC HALOGENS	8.8000	8.9000	mg/L		17.0000			11	11/03/00	10/18/00
	TOTAL ORGANIC HALOGENS	10.0000	10.0000	mg/L		17.0000			12	04/30/01	04/18/01
	TOTAL ORGANIC HALOGENS	4.0000	7.2000	mg/L		17.0000			13	11/05/01	10/17/01
	TOTAL ORGANIC HALOGENS	2.6000	2.7000	mg/L		17.0000			14	05/02/02	04/17/02
	TOTAL ORGANIC HALOGENS	3.0000	1.8000	mg/L	0.0050	17.0000			15	10/31/02	10/16/02
	TOTAL ORGANIC HALOGENS	12.0000	10.0000	mg/L	0.0050	17.0000			16	04/25/03	04/09/03
	TOTAL ORGANIC HALOGENS	7.3000	5.2000	mg/L	0.0050	17.0000			17	10/28/03	10/15/03



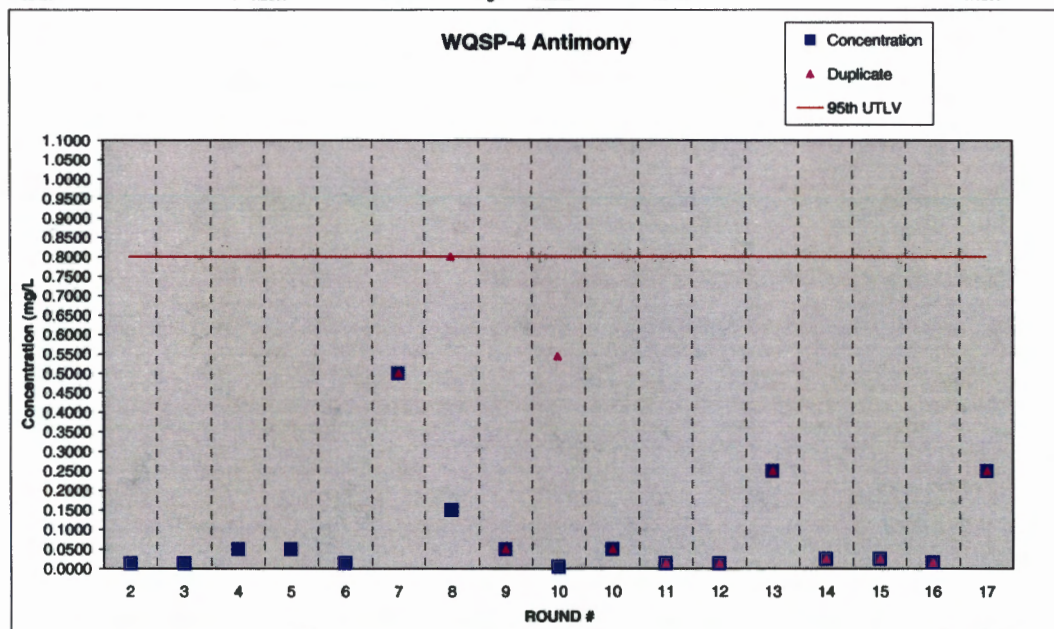
WQSP-4 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	55.0000	59.0000	mg/L	10.0000	57.0000		< 10.0000	1	10/02/95	09/28/95
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	57.0000		< 10.0000	2	05/31/96	05/23/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	57.0000		< 10.0000	3	09/19/96	09/12/96
	TOTAL SUSP SOLIDS	12.0000	11.0000	mg/L	10.0000	57.0000		< 10.0000	4	06/10/97	06/05/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	57.0000		< 10.0000	5	09/16/97	09/11/97
	TOTAL SUSP SOLIDS	45.0000	38.0000	mg/L	10.0000	57.0000			6	05/12/98	5/8/98
	TOTAL SUSP SOLIDS	< 1.0000	3.0000	mg/L	1.0000	57.0000		< 1.0000	7	09/24/98	09/23/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000		< 1.0000	8	04/22/99	04/21/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000		< 1.0000	9	10/15/99	10/13/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000		< 1.0000	10	04/17/00	04/12/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000		< 1.0000	11	10/23/00	10/18/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			12	04/20/01	04/18/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			13	10/22/01	10/17/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			14	04/22/02	04/17/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			15	10/21/02	10/16/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			16	04/17/03	04/09/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	57.0000			17	10/20/03	10/15/03



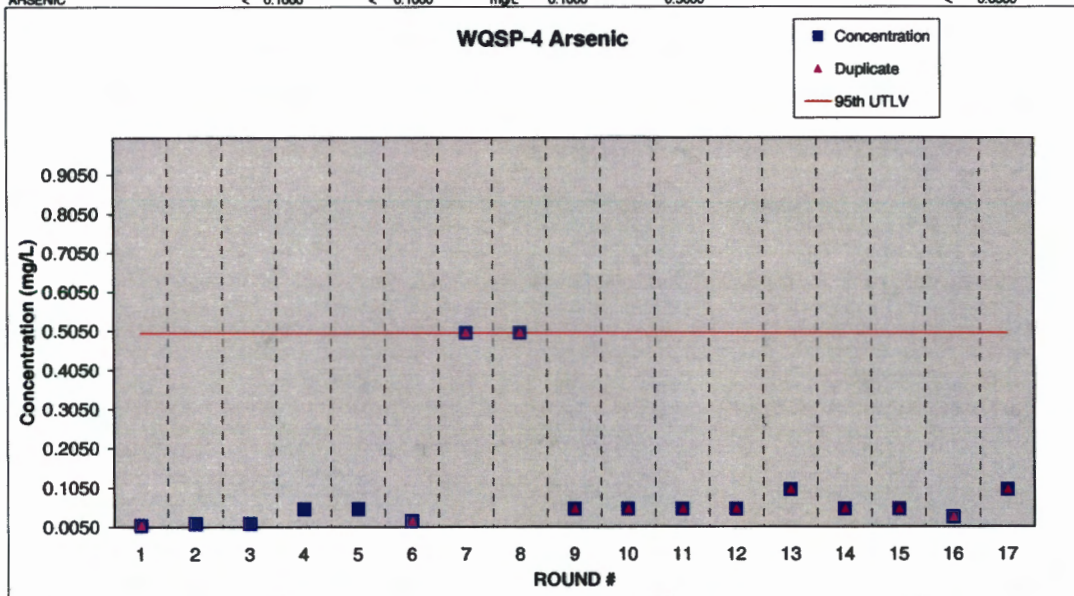
WQSP-4 Antimony

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.8000	< 0.0050		2	08/18/98	05/23/98
7440-38-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.8000	< 0.0050		3	09/18/98	09/12/98
7440-38-0	ANTIMONY	< 0.0500		mg/L	0.1300	0.8000	< 0.0050		4	08/17/97	06/05/97
7440-38-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.8000	< 0.0050		5	09/30/97	09/11/97
7440-38-0	ANTIMONY	0.0141	< 10.0000	mg/L	0.0010	0.8000	< 0.0010		6	05/12/98	5/6/98
7440-38-0	ANTIMONY	< 0.5000	< 0.5000	mg/L	0.0500	0.8000	< 0.5000		7	09/28/98	09/23/98
7440-38-0	ANTIMONY	0.1500	0.8000	mg/L	0.0500	0.8000	< 0.0500		8	04/27/99	04/21/99
7440-38-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.8000	< 0.0500		9	11/25/99	10/13/99
7440-38-0	ANTIMONY	0.0043	0.5440	mg/L	0.0500	0.8000	< 0.0500		10	04/24/00	04/12/00
7440-38-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.8000			10	06/18/00	04/12/00
7440-38-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.8000	< 0.0100		11	10/26/00	10/18/00
7440-38-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.8000	< 0.0130		12	05/28/01	04/18/01
7440-38-0	ANTIMONY	< 0.2500	< 0.2500	mg/L	0.0130	0.8000	0.0080		13	11/05/01	10/17/01
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.8000	< 0.0250		14	04/22/02	04/17/02
7440-38-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.8000	< 0.0250		15	10/27/02	10/16/02
7440-38-0	ANTIMONY	< 0.0180	< 0.0180	mg/L	0.0180	0.8000	< 0.0250		16	04/30/03	04/08/03
7440-38-0	ANTIMONY	< 0.2500	< 0.2500	mg/L	0.2500	0.8000	< 0.0250		17	10/22/03	10/15/03



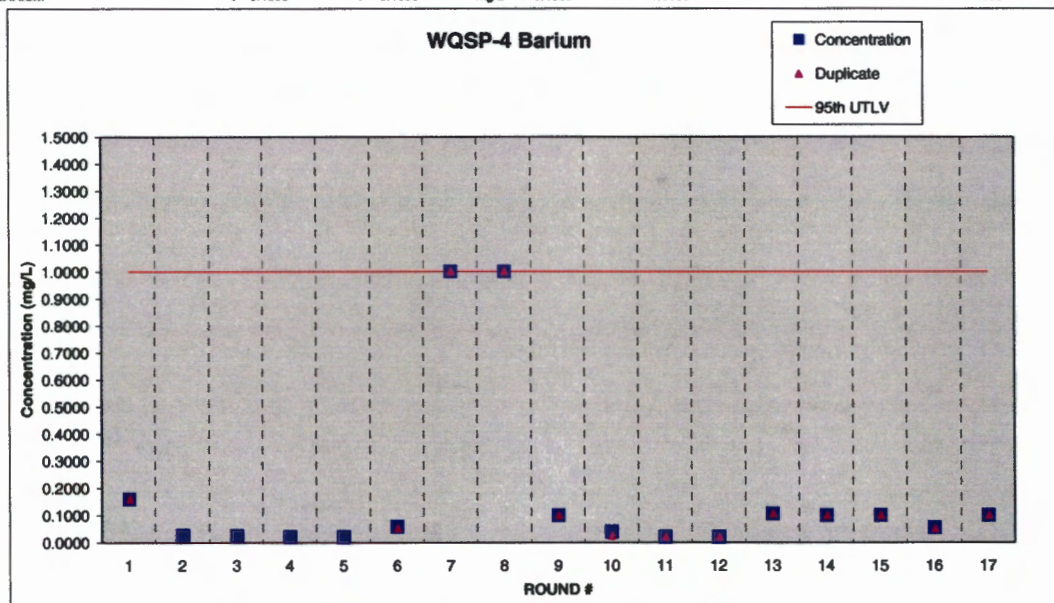
WQSP-4 Arsenic

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0080	< 0.0080	mg/L	0.0080	0.5000	< 0.0050	< 0.0080	1	11/02/95	09/29/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	09/18/96	05/23/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	09/18/96	09/12/96
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		4	09/17/97	08/05/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	09/30/97	09/11/97
7440-38-2	ARSENIC	< 0.0200	< 0.0200	mg/L	0.0010	0.5000		< 0.0010	6	05/12/98	5/6/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	09/28/98	09/23/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.0500	8	04/27/99	04/21/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/25/99	10/13/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	10	04/24/00	04/12/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	11	10/28/00	10/18/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	12	05/28/01	04/18/01
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.0500	0.5000		< 0.0070	13	11/05/01	10/17/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	14	04/22/02	04/17/02
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	15	10/27/02	10/18/02
7440-38-2	ARSENIC	< 0.0298	< 0.0298	mg/L	0.0298	0.5000		< 0.0500	16	04/30/03	04/08/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0500	17	10/22/03	10/15/03

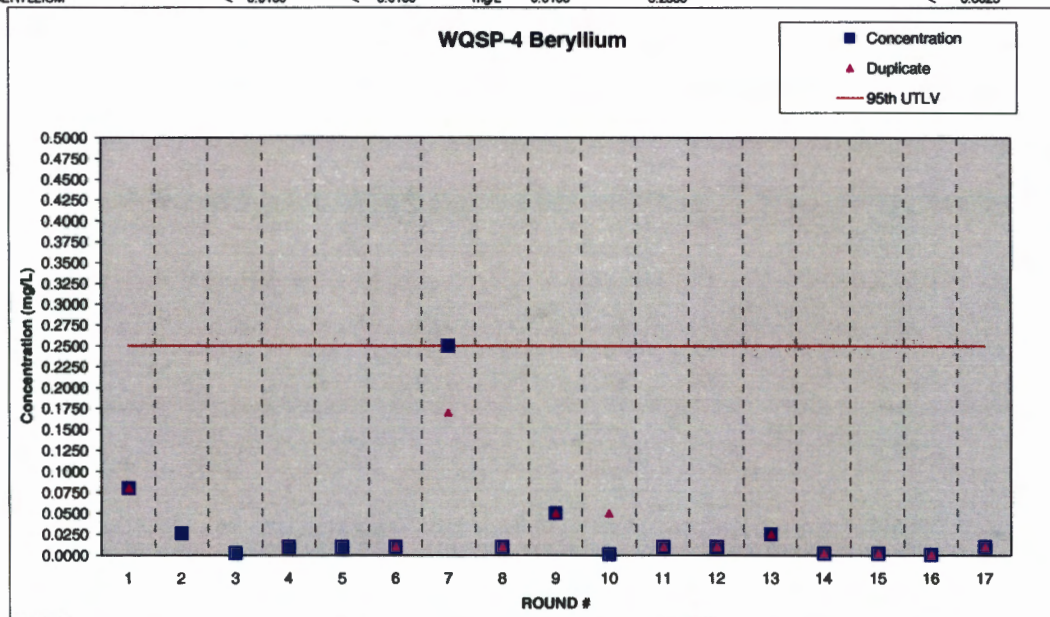


WQSP-4 Barium

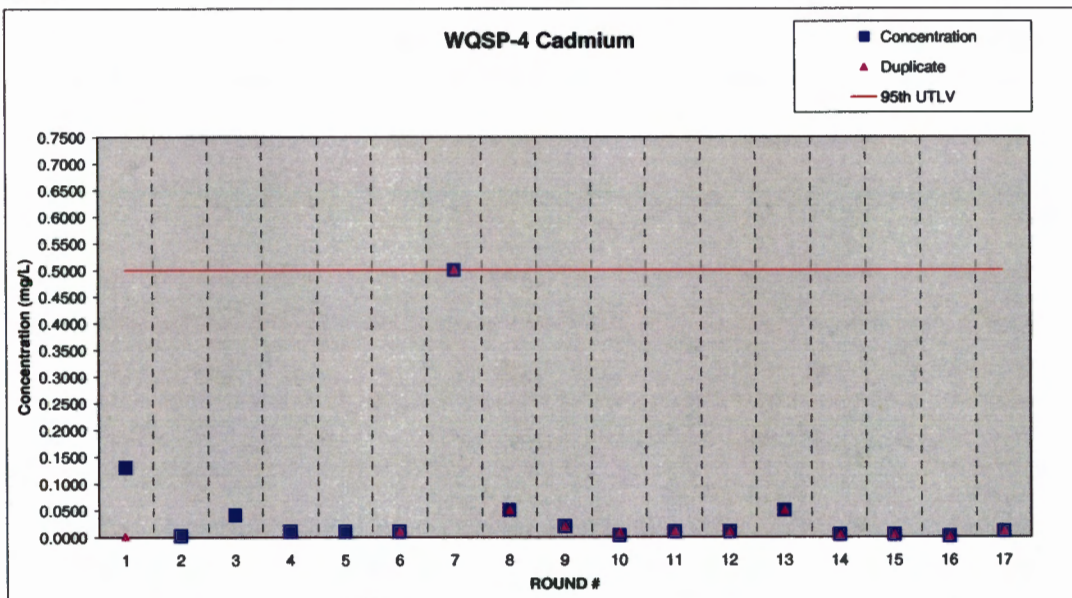
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIUM	< 0.1600	< 0.1600	mg/L	0.1600	1.0000	< 0.0020	< 0.0040	1	10/20/95	09/28/95
7440-39-3	BARIUM	0.0258		mg/L	0.0050	1.0000	< 0.0020		2	09/18/96	05/23/96
7440-39-3	BARIUM	0.0240		mg/L	0.0050	1.0000	< 0.0020		3	09/18/96	09/12/96
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		4	08/17/97	08/05/97
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020	< 0.0020	5	09/30/97	09/11/97
7440-39-3	BARIUM	0.0586	0.0520	mg/L	0.0040	1.0000		0.0010	6	05/12/98	5/6/98
7440-39-3	BARIUM	< 1.0000	1.0000	mg/L	1.0000	1.0000		< 1.0000	7	09/28/98	09/23/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	04/27/99	04/21/99
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	9	11/25/99	10/13/99
7440-39-3	BARIUM	0.0387	0.0234	mg/L	0.1000	1.0000		< 0.1000	10	04/24/00	04/12/00
7440-39-3	BARIUM	< 0.0200	0.0200	mg/L	0.0200	1.0000		< 0.0200	11	10/26/00	10/18/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	12	05/28/01	04/18/01
7440-39-3	BARIUM	0.1080	0.1080	mg/L	0.0200	1.0000		0.0080	13	11/05/01	10/17/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	14	04/22/02	04/17/02
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	15	10/27/02	10/18/02
7440-39-3	BARIUM	0.0550	0.0510	mg/L	0.0200	1.0000		< 0.1000	16	04/30/03	04/08/03
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	17	10/22/03	10/15/03



WQSP-4 Beryllium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0800	< 0.0800	mg/L	0.0800	0.2500		< 0.0020	1	10/20/95	09/28/95
7440-41-7	BERYLLIUM	< 0.0260		mg/L	0.0025	0.2500	< 0.0010		2	08/18/96	05/23/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.2500	< 0.0010		3	09/18/96	09/12/96
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.2500	< 0.0010		4	08/17/97	08/05/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.2500	< 0.0010		5	09/30/97	09/11/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.2500		< 0.0010	6	05/12/98	5/8/98
7440-41-7	BERYLLIUM	0.2500	< 0.1700	mg/L	0.0010	0.2500		< 0.1000	7	09/28/98	09/23/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2500		< 0.0100	8	04/27/99	04/21/99
7440-41-7	BERYLLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2500		< 0.0500	9	11/25/99	10/13/99
7440-41-7	BERYLLIUM	0.0012	< 0.0500	mg/L	0.0500	0.2500		< 0.0500	10	04/24/00	04/12/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2500		0.0100	11	10/28/00	10/18/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2500		< 0.0100	12	05/28/01	04/18/01
7440-41-7	BERYLLIUM	< 0.0250	< 0.0250	mg/L	0.0100	0.2500		0.0003	13	11/05/01	10/17/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.2500		< 0.0025	14	04/22/02	04/17/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.2500		< 0.0025	15	10/27/02	10/16/02
7440-41-7	BERYLLIUM	< 0.0007	< 0.0007	mg/L	0.0007	0.2500		< 0.0025	16	04/30/03	04/09/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2500		< 0.0025	17	10/22/03	10/15/03

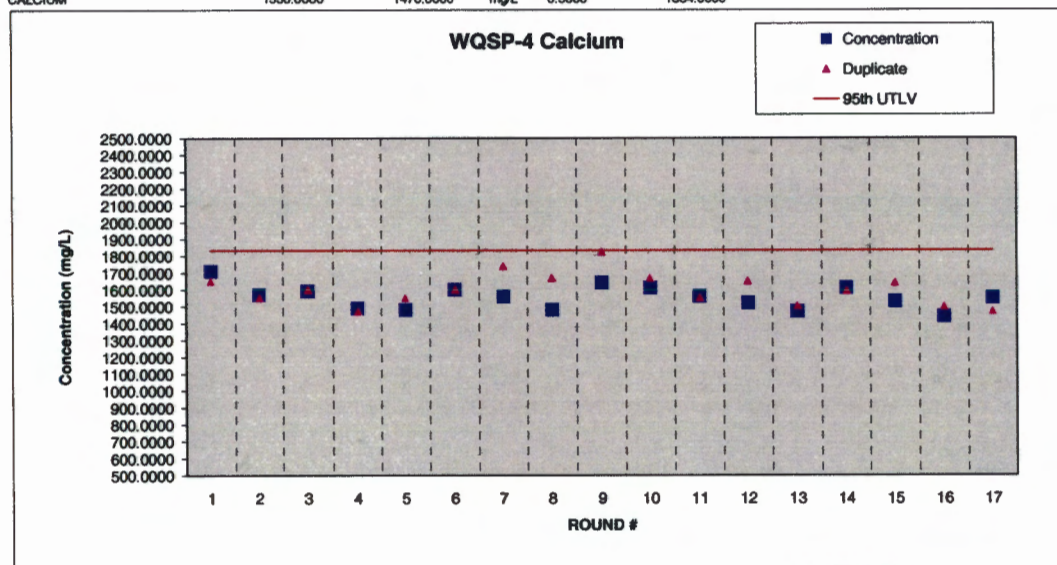


WQSP-4 Cadmium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7440-43-9	CADMIUM	< 0.1300	< 0.0013	mg/L	0.0013	0.5000		< 0.0013	1	10/16/95	09/28/95
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.5000	< 0.0010		2	06/18/96	05/23/96
7440-43-9	CADMIUM	0.0410		mg/L	0.0025	0.5000	< 0.0010		3	06/18/96	08/12/96
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0250	0.5000	< 0.0010		4	06/17/97	06/05/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.5000	< 0.0010		5	09/30/97	09/11/97
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.5000		< 0.0011	6	05/12/98	5/6/98
7440-43-9	CADMIUM	< 0.5000	< 0.5000	mg/L	0.0050	0.5000		< 0.5000	7	09/28/98	09/23/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	04/27/99	04/21/99
7440-43-9	CADMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	9	11/25/99	10/13/99
7440-43-9	CADMIUM	0.0029	0.0092	mg/L	0.0500	0.5000		< 0.0200	10	04/24/00	04/12/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	11	10/28/00	10/18/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	12	05/28/01	04/18/01
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0100	0.5000		0.0020	13	11/05/01	10/17/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	14	04/22/02	04/17/02
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.5000		< 0.0050	15	10/27/02	10/16/02
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.5000		< 0.0050	16	04/30/03	04/09/03
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0050	17	10/22/03	10/15/03



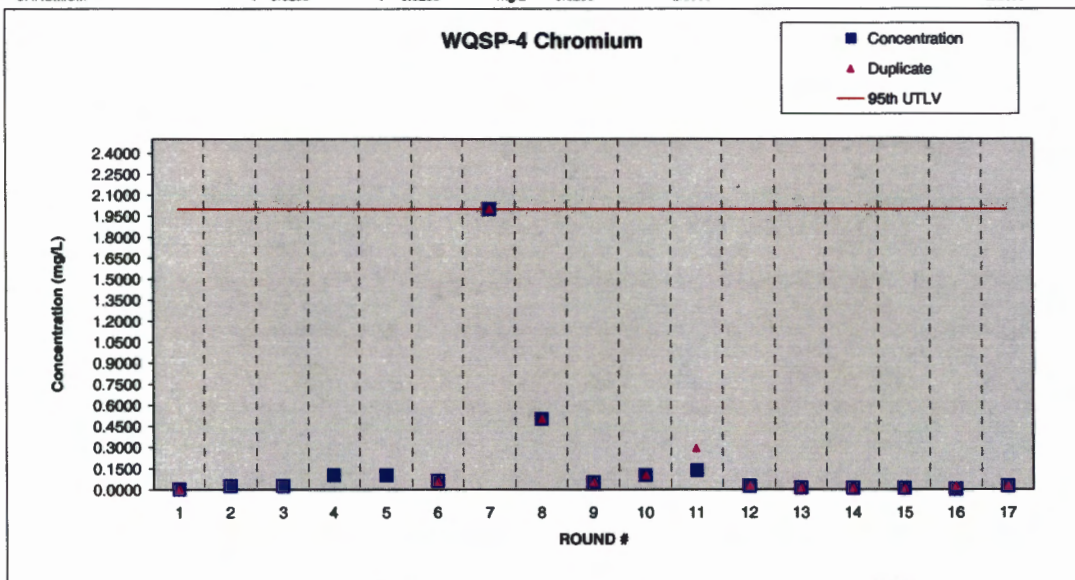
WQSP-4 Calcium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	1710.0000	1650.0000	mg/L	40.0000	1834.0000	< 0.2000	< 0.2000	1	10/20/95	09/28/95
7440-70-2	CALCIUM	1570.0000	1550.0000	mg/L	2.0000	1834.0000	< 0.2000	< 0.2000	2	08/18/96	05/23/96
7440-70-2	CALCIUM	1580.0000	1600.0000	mg/L	2.0000	1834.0000	< 0.2000	< 0.2000	3	09/18/96	08/12/96
7440-70-2	CALCIUM	1480.0000	1470.0000	mg/L	2.0000	1834.0000	< 0.2000	< 0.2000	4	08/17/97	08/05/97
7440-70-2	CALCIUM	1480.0000	1550.0000	mg/L	2.0000	1834.0000	< 0.2000	< 0.2000	5	08/30/97	08/11/97
7440-70-2	CALCIUM	1600.0000	1600.0000	mg/L	0.0120	1834.0000		0.0280	6	05/12/98	5/8/98
7440-70-2	CALCIUM	1560.0000	1740.0000	mg/L	0.5000	1834.0000		< 0.5000	7	09/28/98	09/23/98
7440-70-2	CALCIUM	1480.0000	1670.0000	mg/L	1.0000	1834.0000		< 1.0000	8	04/27/99	04/21/99
7440-70-2	CALCIUM	1640.0000	1624.0000	mg/L	0.0500	1834.0000		< 0.0500	9	12/01/99	11/25/99
7440-70-2	CALCIUM	1610.0000	1670.0000	mg/L	0.0500	1834.0000		< 0.0500	10	04/24/00	04/12/00
7440-70-2	CALCIUM	1560.0000	1550.0000	mg/L	5.0000	1834.0000		< 5.0000	11	10/26/00	10/28/00
7440-70-2	CALCIUM	1520.0000	1650.0000	mg/L	0.5000	1834.0000		< 0.5000	12	06/25/01	04/18/01
7440-70-2	CALCIUM	1470.0000	1505.0000	mg/L	0.2000	1834.0000			13	10/29/01	10/17/01
7440-70-2	CALCIUM	1610.0000	1590.0000	mg/L	0.5000	1834.0000			14	04/24/02	04/17/02
7440-70-2	CALCIUM	1530.0000	1640.0000	mg/L	0.5000	1834.0000			15	10/23/02	10/18/02
7440-70-2	CALCIUM	1440.0000	1500.0000	mg/L	0.5000	1834.0000			16	04/28/03	04/09/03
7440-70-2	CALCIUM	1550.0000	1470.0000	mg/L	0.5000	1834.0000			17	10/21/03	10/15/03

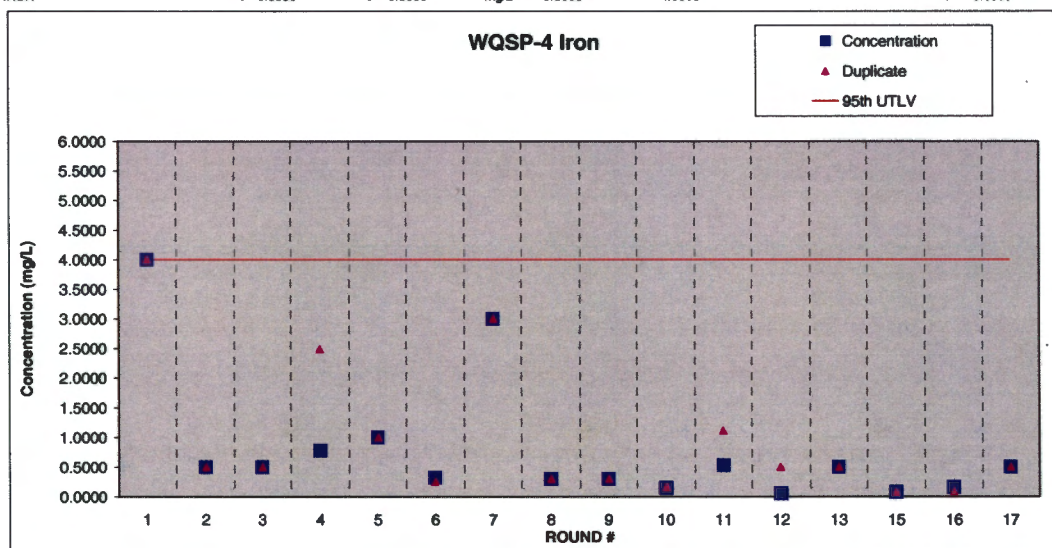


WQSP-4 Chromium

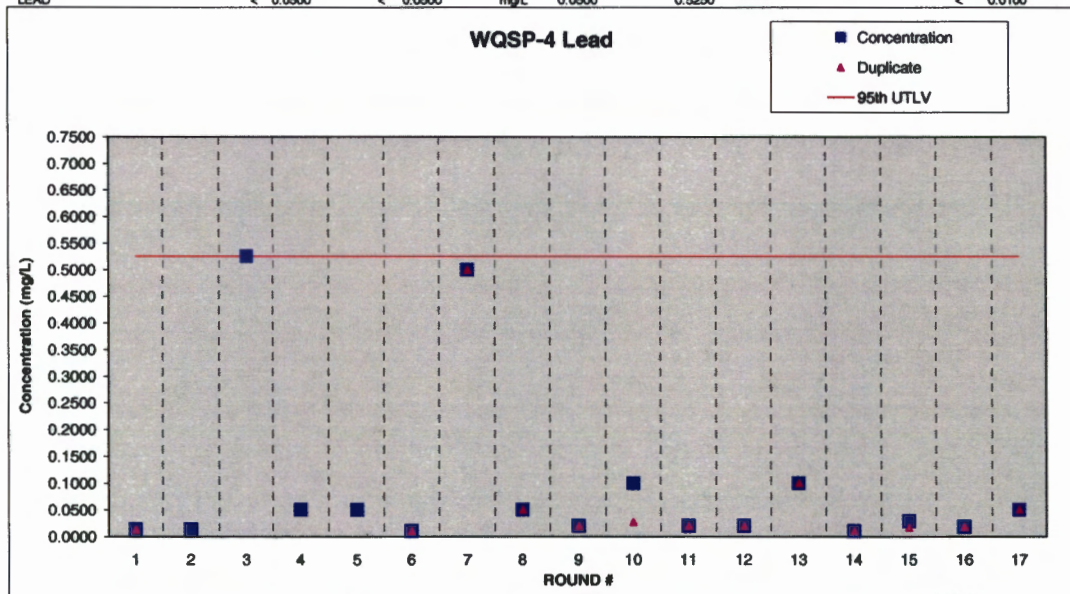
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-47-3	CHROMIUM	< 0.0025	< 0.0025	mg/L	0.0025	2.0000		< 0.0025	1	10/18/95	09/28/95
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	2.0000	< 0.0100		2	06/18/96	05/23/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	2.0000	< 0.0100		3	09/18/96	09/12/96
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	2.0000	< 0.0100		4	08/17/97	08/05/97
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	2.0000	< 0.0100		5	09/30/97	09/11/97
7440-47-3	CHROMIUM	0.0820	0.0550	mg/L	0.0010	2.0000		0.0030	6	05/12/98	5/8/98
7440-47-3	CHROMIUM	< 2.0000	< 2.0000	mg/L	0.0506	2.0000		< 2.0000	7	09/28/98	09/23/98
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.5000	2.0000		< 0.5000	8	04/27/99	04/21/99
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0000		< 0.0500	9	11/25/99	10/13/99
7440-47-3	CHROMIUM	< 0.1000	< 0.1000	mg/L	0.0500	2.0000		< 0.1000	10	04/24/00	04/12/00
7440-47-3	CHROMIUM	0.1350	0.2940	mg/L	0.0250	2.0000		< 0.0250	11	10/28/00	10/18/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.0000		< 0.0250	12	05/28/01	04/18/01
7440-47-3	CHROMIUM	0.0110	0.0120	mg/L	0.0250	2.0000		0.0020	13	11/05/01	10/17/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	2.0000		< 0.0100	14	04/22/02	04/17/02
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	2.0000		< 0.0100	15	10/27/02	10/18/02
7440-47-3	CHROMIUM	< 0.0033	0.0240	mg/L	0.0033	2.0000		< 0.0100	16	04/30/03	04/09/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.0000		< 0.0100	17	10/22/03	10/15/03



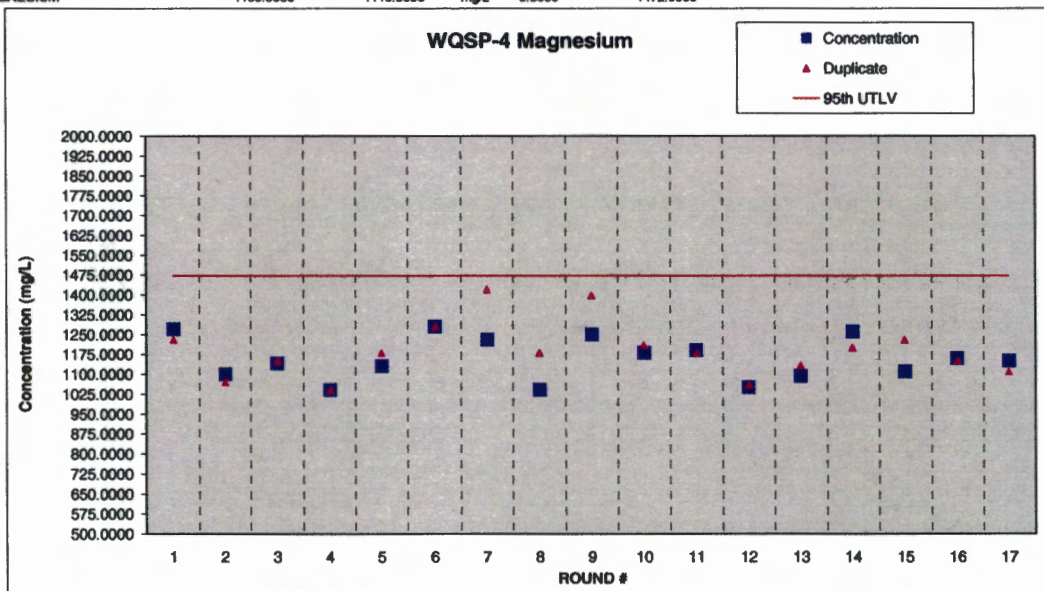
WQSP-4 Iron											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
7439-89-6	IRON	< 4.0000	< 4.0000	mg/L	4.0000	4.0000		< 0.5000	1	10/20/95	09/28/95
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	4.0000	< 0.0500	< 0.0500	2	08/18/96	05/23/96
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	4.0000	< 0.0500	< 0.0500	3	09/18/96	09/12/96
7439-89-6	IRON	0.7780	2.4900	mg/L	0.5000	4.0000	< 0.0500	< 0.0500	4	08/17/97	08/05/97
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	4.0000	< 0.1000	< 0.1000	5	09/30/97	09/11/97
7439-89-6	IRON	0.3200	0.2500	mg/L	0.0110	4.0000		0.0480	6	05/12/98	05/06/98
7439-89-6	IRON	< 3.0000	< 3.0000	mg/L	0.3000	4.0000		< 3.0000	7	09/28/98	09/23/98
7439-89-6	IRON	< 0.3000	< 0.3000	mg/L	0.3000	4.0000		< 0.3000	8	04/27/99	04/21/99
7439-89-6	IRON	< 0.3000	< 0.3000	mg/L	0.3000	4.0000		< 0.3000	9	11/25/99	10/13/99
7439-89-6	IRON	0.1480	0.1610	mg/L	0.3000	4.0000		< 0.3000	10	04/24/00	04/12/00
7439-89-6	IRON	0.5280	1.1100	mg/L	0.5000	4.0000		< 5.0000	11	10/28/00	10/18/00
7439-89-6	IRON	0.0560	< 0.5000	mg/L	0.5000	4.0000		< 0.5000	12	05/28/01	04/18/01
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	4.0000		0.0020	13	11/05/01	10/17/01
7439-89-6	IRON	0.0777	0.0736	mg/L	0.5000	4.0000		< 0.0500	15	10/27/02	10/16/02
7439-89-6	IRON	0.1550	0.0880	mg/L	0.5000	4.0000		< 0.0500	16	04/30/03	04/09/03
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	4.0000		< 0.0500	17	10/22/03	10/15/03



WQSP-4 Lead											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0130	< 0.0130	mg/L	0.0130	0.5250		< 0.0130	1	10/18/95	08/28/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.5250	< 0.0050		2	08/18/96	05/23/96
7439-92-1	LEAD	0.5250		mg/L	0.0130	0.5250	< 0.0050		3	08/18/96	09/12/96
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.5250	< 0.0050		4	08/17/97	08/05/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.5250	< 0.0050		5	08/30/97	09/11/97
7439-92-1	LEAD	0.0102	< 0.0100	mg/L	0.0010	0.5250		0.0013	6	05/12/98	05/08/98
7439-92-1	LEAD	< 0.5000	< 0.5000	mg/L	0.0050	0.5250		< 0.5000	7	09/28/98	09/23/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.5250		< 0.0500	8	04/27/99	04/21/99
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.5250		< 0.0200	9	11/25/99	10/13/99
7439-92-1	LEAD	< 0.1000	0.0277	mg/L	0.0500	0.5250		< 0.1000	10	04/24/00	04/12/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.5250		< 0.0200	11	10/26/00	10/18/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.5250		< 0.0200	12	05/28/01	04/18/01
7439-92-1	LEAD	< 0.1000	< 0.1000	mg/L	0.0200	0.5250		0.0040	13	11/05/01	10/17/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.5250		< 0.0100	14	04/22/02	04/17/02
7439-92-1	LEAD	0.0282	0.0189	mg/L	0.0200	0.5250		< 0.0100	15	10/27/02	10/16/02
7439-92-1	LEAD	< 0.0184	< 0.0184	mg/L	0.0184	0.5250		< 0.0100	16	04/30/03	04/09/03
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.5250		< 0.0100	17	10/22/03	10/15/03

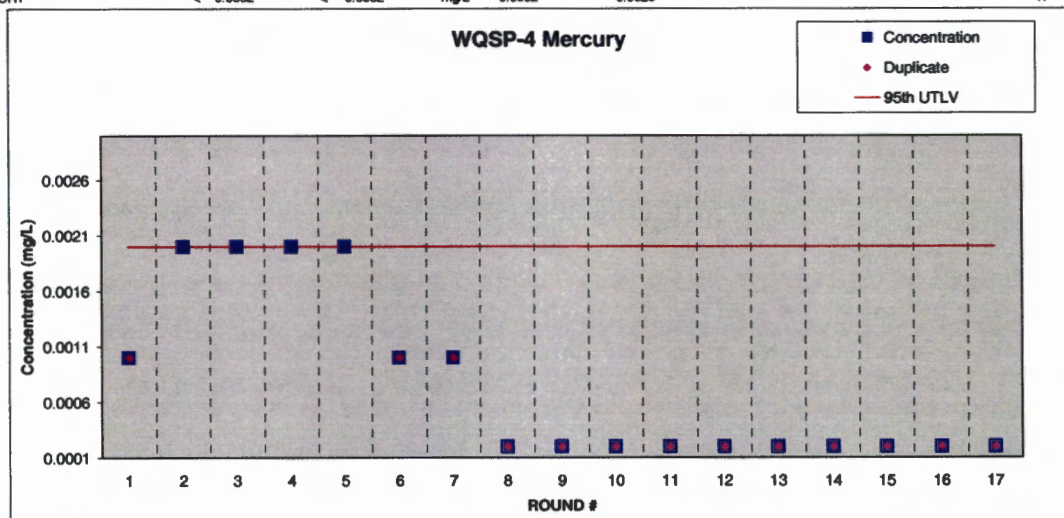


WQSP-4 Magnesium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-95-4	MAGNESIUM	1270.0000	1230.0000	mg/L	4.0000	1472.0000		< 0.1000	1	10/20/95	09/28/95
7439-95-4	MAGNESIUM	1100.0000	1070.0000	mg/L	0.5000	1472.0000	< 0.0500	< 0.0500	2	09/18/96	05/23/96
7439-95-4	MAGNESIUM	1140.0000	1150.0000	mg/L	0.5000	1472.0000	< 0.0500	< 0.0500	3	09/18/96	08/12/96
7439-95-4	MAGNESIUM	1040.0000	1040.0000	mg/L	1.0000	1472.0000	< 0.1000	< 0.1000	4	06/17/97	06/05/97
7439-95-4	MAGNESIUM	1130.0000	1180.0000	mg/L	1.0000	1472.0000	< 0.1000	< 0.1000	5	09/30/97	09/11/97
7439-95-4	MAGNESIUM	1280.0000	1280.0000	mg/L	0.0720	1472.0000		0.1000	6	05/12/98	5/8/98
7439-95-4	MAGNESIUM	1230.0000	1420.0000	mg/L	0.5000	1472.0000		< 0.5000	7	09/28/98	09/23/98
7439-95-4	MAGNESIUM	1040.0000	1180.0000	mg/L	1.0000	1472.0000		< 1.0000	8	04/27/99	04/21/99
7439-95-4	MAGNESIUM	1249.0000	1397.0000	mg/L	0.5000	1472.0000		< 0.5000	9	12/01/99	10/13/99
7439-95-4	MAGNESIUM	1180.0000	1210.0000	mg/L	0.0500	1472.0000		< 0.5000	10	04/24/00	04/12/00
7439-95-4	MAGNESIUM	1190.0000	1180.0000	mg/L	5.0000	1472.0000		< 5.0000	11	10/26/00	10/18/00
7439-95-4	MAGNESIUM	1050.0000	1080.0000	mg/L	0.5000	1472.0000		< 0.5000	12	06/25/01	04/18/01
7439-95-4	MAGNESIUM	1093.0000	1134.0000	mg/L	0.2000	1472.0000			13	10/29/01	10/17/01
7439-95-4	MAGNESIUM	1280.0000	1200.0000	mg/L	0.5000	1472.0000			14	04/24/02	04/17/02
7439-95-4	MAGNESIUM	1110.0000	1230.0000	mg/L	0.5000	1472.0000			15	10/23/02	10/16/02
7439-95-4	MAGNESIUM	1180.0000	1150.0000	mg/L	0.5000	1472.0000			16	04/28/03	04/09/03
7439-95-4	MAGNESIUM	1150.0000	1110.0000	mg/L	0.5000	1472.0000			17	10/21/03	10/15/03



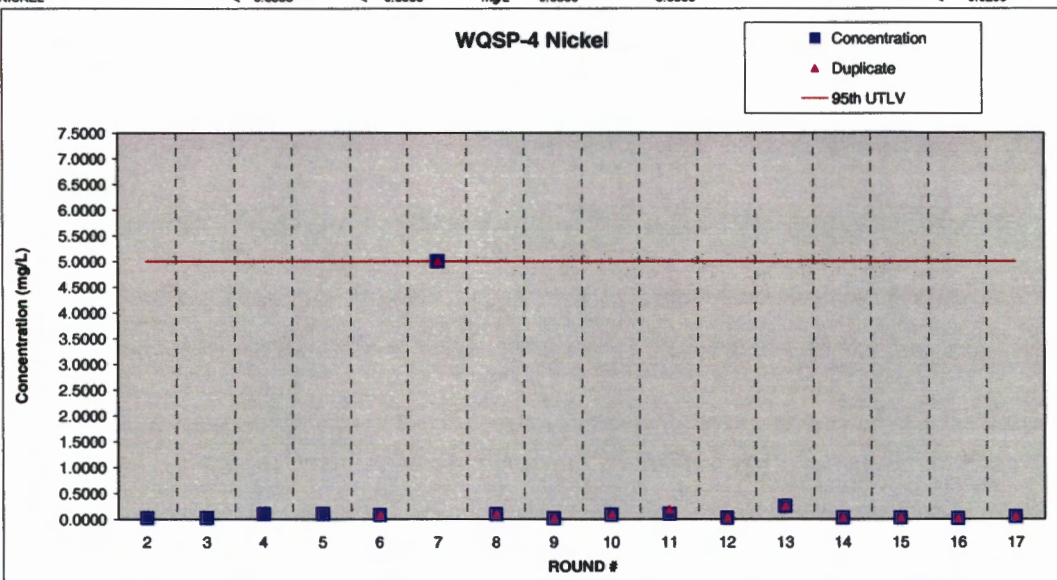
WQSP-4 Mercury

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020	< 0.0002	< 0.0002	1	10/05/95	09/28/95
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		2	05/28/96	05/23/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		3	09/18/96	09/12/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		4	06/10/97	06/05/97
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		5	09/17/97	08/11/97
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0001	0.0020		< 0.0002	6	05/12/98	05/06/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020			7	09/28/98	09/23/98
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	8	04/26/99	04/21/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	9	11/01/99	10/13/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	10	04/18/00	04/12/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	11	10/20/00	10/18/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	12	05/28/01	04/18/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			13	10/24/01	10/17/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	14	04/26/02	04/17/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			15	10/23/02	10/16/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			16	04/15/03	04/09/03
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			17	10/24/03	10/15/03

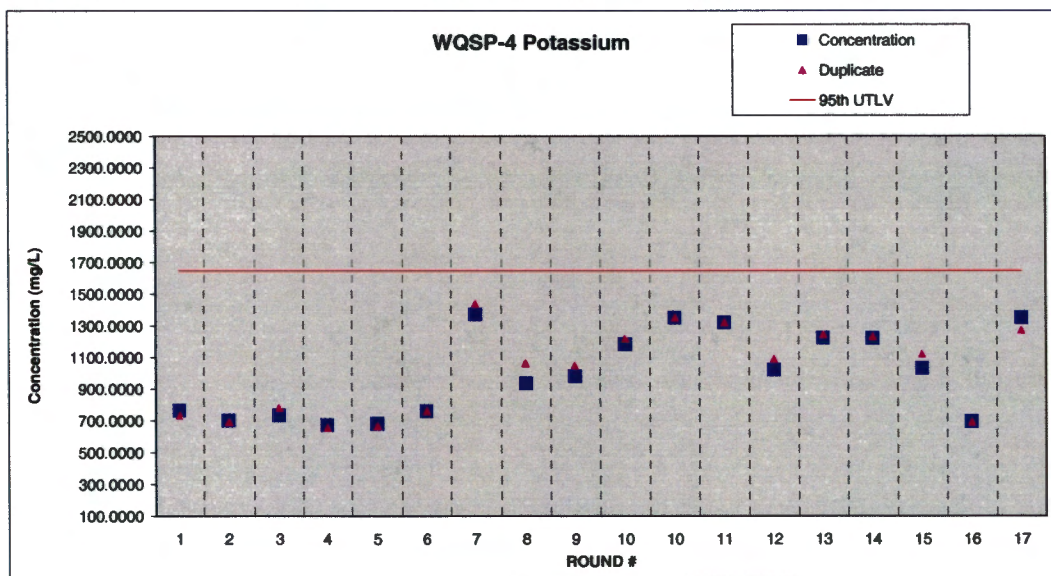


WQSP-4 Nickel

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		2	06/18/96	05/23/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		3	08/18/96	06/12/96
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		4	08/17/97	08/05/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		5	08/30/97	08/11/97
7440-02-0	NICKEL	< 0.0800	< 0.0800	mg/L	0.0800	5.0000		< 0.0800	6	05/12/98	5/8/98
7440-02-0	NICKEL	< 5.0000	< 5.0000	mg/L	0.1000	5.0000		< 5.0000	7	09/28/98	09/23/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	8	04/27/99	04/21/99
7440-02-0	NICKEL	< 0.0200	< 0.0200	mg/L	0.0200	5.0000		< 0.0200	9	11/25/99	10/13/99
7440-02-0	NICKEL	0.0908	0.0910	mg/L	0.1000	5.0000		< 0.1000	10	04/24/00	04/12/00
7440-02-0	NICKEL	0.1020	0.1930	mg/L	0.0250	5.0000		< 0.0250	11	10/26/00	10/19/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	12	05/28/01	04/18/01
7440-02-0	NICKEL	< 0.2500	< 0.2500	mg/L	0.0250	5.0000		0.0040	13	11/05/01	10/17/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	14	04/22/02	04/17/02
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	15	10/27/02	10/16/02
7440-02-0	NICKEL	< 0.0135	< 0.0135	mg/L	0.0135	5.0000		< 0.0250	16	04/30/03	04/09/03
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	5.0000		< 0.0250	17	10/22/03	10/15/03

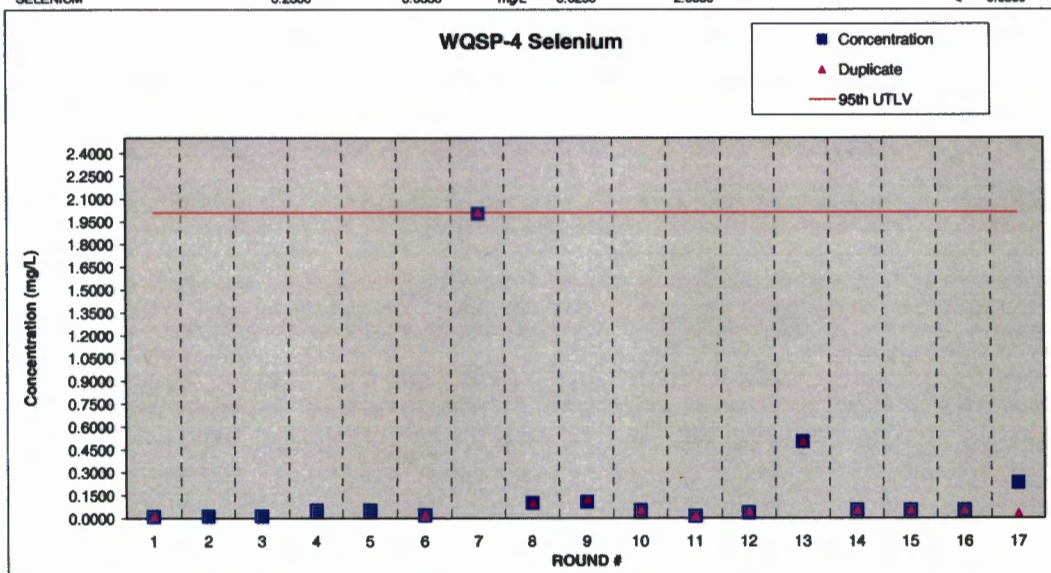


WQSP-4 Potassium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7440-09-7	POTASSIUM	764.0000	732.0000	mg/L	40.0000	1648.0000		< 0.2000	1	10/20/95	09/28/95
7440-09-7	POTASSIUM	700.0000	691.0000	mg/L	2.0000	1648.0000	< 0.2000	< 0.2000	2	05/29/96	05/23/96
7440-09-7	POTASSIUM	733.0000	782.0000	mg/L	2.0000	1648.0000	< 0.2000	< 0.2000	3	09/20/96	09/12/96
7440-09-7	POTASSIUM	672.0000	654.0000	mg/L	2.0000	1648.0000	< 0.2000	< 0.2000	4	06/13/97	06/05/97
7440-09-7	POTASSIUM	681.0000	664.0000	mg/L	2.0000	1648.0000	< 0.2000	< 0.2000	5	09/19/97	09/11/97
7440-09-7	POTASSIUM	780.0000	760.0000	mg/L	0.0740	1648.0000		< 0.0820	6	05/12/98	5/8/98
7440-09-7	POTASSIUM	1370.0000	1440.0000	mg/L	0.5000	1648.0000		< 0.5000	7	09/28/98	09/23/98
7440-09-7	POTASSIUM	835.0000	1060.0000	mg/L	1.0000	1648.0000		< 1.0000	8	04/27/99	04/21/99
7440-09-7	POTASSIUM	980.0000	1049.0000	mg/L	0.5000	1648.0000		< 0.5000	9	12/01/99	10/13/99
7440-09-7	POTASSIUM	1180.0000	1217.0000	mg/L	0.0500	1648.0000		< 0.5000	10	04/24/00	04/12/00
7440-09-7	POTASSIUM	1350.0000	1350.0000	mg/L	1.0000	1648.0000			10	08/19/00	04/12/00
7440-09-7	POTASSIUM	1320.0000	1320.0000	mg/L	5.0000	1648.0000		< 0.1970	11	10/26/00	10/18/00
7440-0907	POTASSIUM	1020.0000	1080.0000	mg/L	0.5000	1648.0000		< 0.5000	12	08/25/01	04/18/01
7440-0907	POTASSIUM	1221.0000	1245.0000	mg/L	0.2000	1648.0000			13	10/29/01	10/17/01
7440-0907	POTASSIUM	1220.0000	1230.0000	mg/L	0.5000	1648.0000			14	04/24/02	04/17/02
7440-09-7	POTASSIUM	1030.0000	1120.0000	mg/L	0.5000	1648.0000			15	10/23/02	10/16/02
7440-09-7	POTASSIUM	695.0000	690.0000	mg/L	0.5000	1648.0000			16	04/28/03	04/09/03
7440-09-7	POTASSIUM	1350.0000	1270.0000	mg/L	0.5000	1648.0000			17	10/21/03	10/15/03



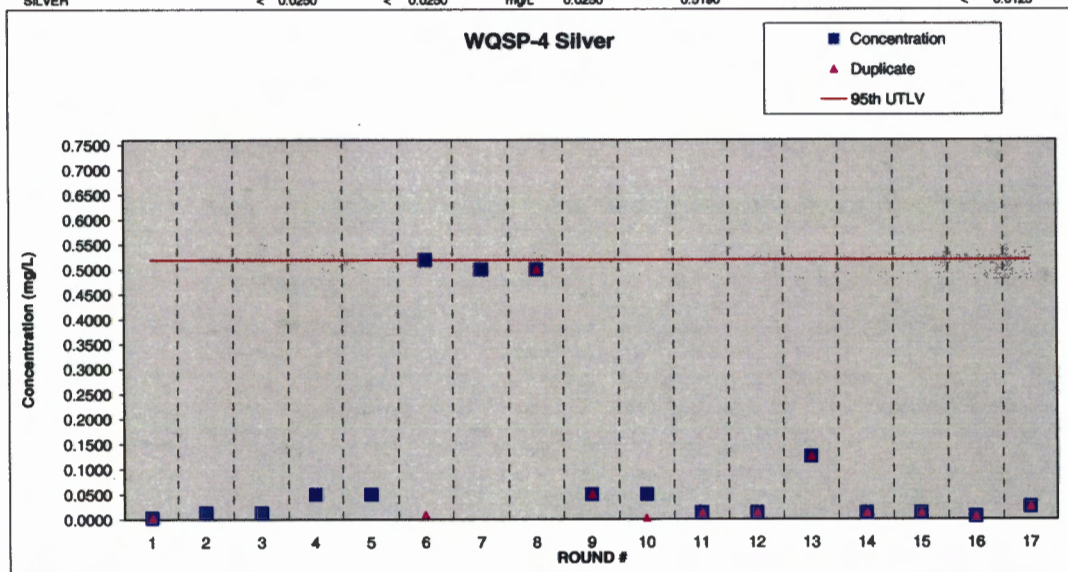
WQSP-4 Selenium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-49-2	SELENIUM	< 0.0100	< 0.0100	mg/L	0.0100	2.0090		< 0.0100	1	11/08/95	09/28/95
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	2.0090	< 0.0050		2	06/18/96	05/23/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	2.0090	< 0.0050		3	09/18/96	09/12/96
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	2.0090	< 0.0050		4	08/17/97	06/05/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	2.0090	< 0.0050		5	08/30/97	09/11/97
7782-49-2	SELENIUM	< 0.0200	< 0.0200	mg/L	0.0010	2.0090		< 0.0010	6	05/12/98	5/8/98
7782-49-2	SELENIUM	< 2.0000	2.0090	mg/L	0.0100	2.0090		< 2.0000	7	09/29/98	09/23/98
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.1000	2.0090		< 0.1000	8	04/27/99	04/21/99
7782-49-2	SELENIUM	0.1080	0.1220	mg/L	0.0500	2.0090		< 0.0500	9	11/25/99	10/13/99
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0090		< 0.0500	10	04/24/00	04/12/00
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	2.0090		< 5.0000	11	10/28/00	10/18/00
7782-49-2	SELENIUM	0.0330	0.0410	mg/L	0.0130	2.0090		< 0.0130	12	05/28/01	04/18/01
7782-49-2	SELENIUM	< 0.5000	< 0.5000	mg/L	0.0130	2.0090		0.0100	13	11/05/01	10/17/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0090		< 0.0500	14	04/22/02	04/17/02
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.0090		< 0.0500	15	10/27/02	10/18/02
7782-49-2	SELENIUM	< 0.0505	< 0.0505	mg/L	0.0505	2.0090		< 0.0500	16	04/30/03	04/09/03
7782-49-2	SELENIUM	0.2300	0.0330	mg/L	0.0250	2.0090		< 0.0500	17	12/22/03	10/15/03



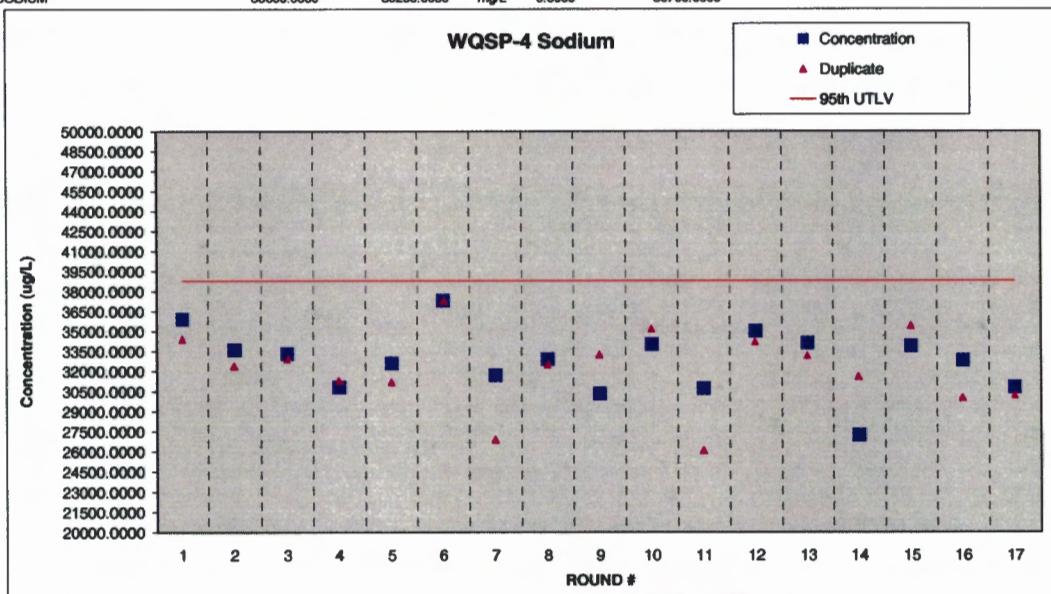
WQSP-4 Silver

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	< 0.0025	< 0.0025	mg/L	0.0025	0.5190		< 0.0025	1	10/16/95	09/29/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5190	< 0.0050		2	06/18/96	05/23/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5190	< 0.0050		3	06/18/96	09/12/96
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5190	< 0.0050		4	06/17/97	08/05/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5190	< 0.0050		5	09/30/97	09/11/97
7440-22-4	SILVER	0.5190	< 0.0100	mg/L	0.0010	0.5190		< 0.0010	6	05/12/98	5/6/98
7440-22-4	SILVER	< 0.5000		mg/L	0.5000	0.5190		< 0.5000	7	09/29/98	09/23/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.5000	0.5190		< 0.5000	8	04/27/99	04/21/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5190		< 0.0500	9	11/25/99	10/13/99
7440-22-4	SILVER	< 0.0500	0.0024	mg/L	0.0500	0.5190		< 0.0500	10	04/24/00	04/12/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5190		< 0.0100	11	10/28/00	11/01/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5190		< 0.0130	12	05/28/01	04/18/01
7440-22-4	SILVER	< 0.1250	< 0.1250	mg/L	0.0130	0.5190		0.0020	13	11/05/01	10/17/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5190		< 0.0125	14	04/22/02	04/17/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5190		< 0.0125	15	10/27/02	10/16/02
7440-22-4	SILVER	< 0.0080	< 0.0080	mg/L	0.0080	0.5190		< 0.0125	16	04/30/03	04/09/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5190		< 0.0125	17	10/22/03	10/15/03

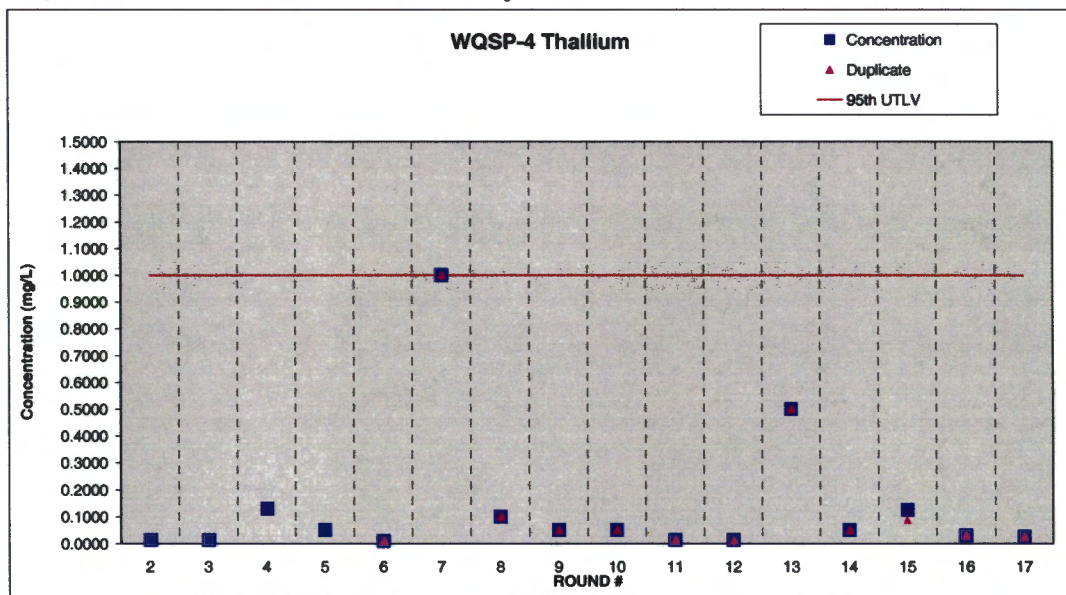


WQSP-4 Sodium

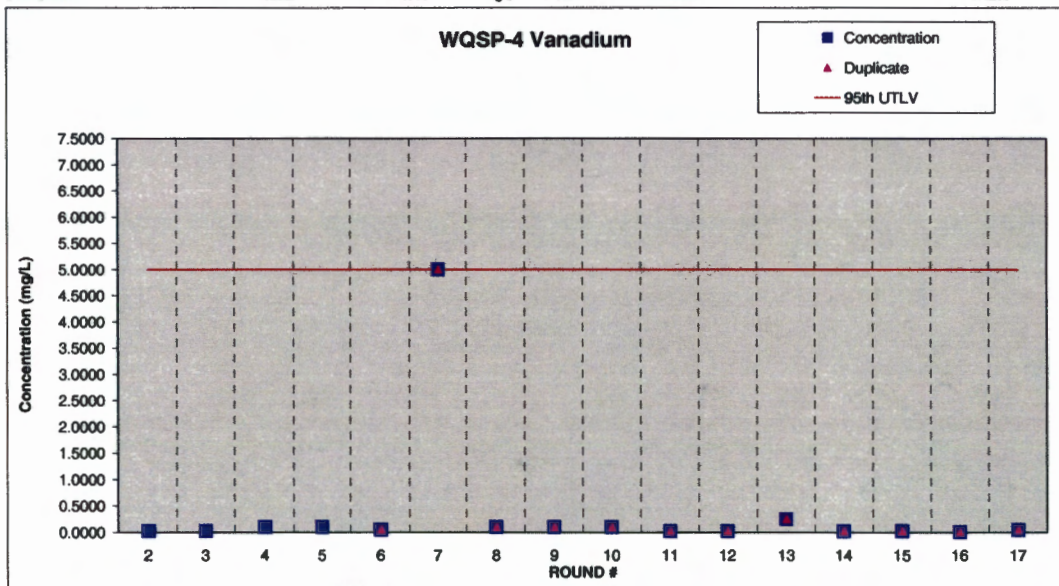
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	35800.0000	34400.0000	mg/L	100.0000	38790.0000		< 0.5000	1	10/20/95	09/28/95
7440-23-5	SODIUM	33800.0000	32400.0000	mg/L	25.0000	38790.0000	< 0.5000	< 0.5000	2	05/29/96	05/23/96
7440-23-5	SODIUM	33300.0000	32900.0000	mg/L	5.0000	38790.0000	< 0.5000	< 0.5000	3	09/20/96	09/12/96
7440-23-5	SODIUM	30800.0000	31300.0000	mg/L	25.0000	38790.0000	< 0.5000	< 0.5000	4	06/13/97	06/05/97
7440-23-5	SODIUM	32800.0000	31200.0000	mg/L	25.0000	38790.0000	< 0.5000	< 0.5000	5	09/19/97	09/11/97
7440-23-5	SODIUM	37300.0000	37300.0000	mg/L	0.0390	38790.0000		0.0830	6	05/12/98	5/8/98
7440-23-5	SODIUM	31700.0000	28900.0000	mg/L	0.5000	38790.0000		< 0.5000	7	09/28/98	09/23/98
7440-23-5	SODIUM	32900.0000	32500.0000	mg/L	1.0000	38790.0000		< 1.0000	8	04/27/99	04/21/99
7440-23-5	SODIUM	30310.0000	33250.0000	mg/L	0.5000	38790.0000		< 0.5000	9	12/01/99	10/13/99
7440-23-5	SODIUM	34000.0000	35200.0000	mg/L	0.0500	38790.0000		< 0.5000	10	04/24/00	04/12/00
7440-23-5	SODIUM	30700.0000	26100.0000	mg/L	5.0000	38790.0000		0.4000	11	10/28/00	10/18/00
7440-23-5	SODIUM	35000.0000	34200.0000	mg/L	0.5000	38790.0000		< 0.5000	12	06/25/01	04/18/01
7440-23-5	SODIUM	34100.0000	33170.0000	mg/L	0.2000	38790.0000			13	10/29/01	10/17/01
7440-23-5	SODIUM	27200.0000	31600.0000	mg/L	0.5000	38790.0000			14	04/24/02	04/17/02
7440-23-5	SODIUM	33900.0000	35400.0000	mg/L	0.5000	38790.0000			15	10/23/02	10/18/02
7440-23-5	SODIUM	32800.0000	30000.0000	mg/L	0.5000	38790.0000			16	04/29/03	04/09/03
7440-23-5	SODIUM	30800.0000	30200.0000	mg/L	0.5000	38790.0000			17	10/21/03	10/15/03



WQSP-4 Thallium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
"	"	"	"	"	"	"	"	"	"	"	"
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	1.0000	< 0.0050		2	08/18/96	05/23/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	1.0000	< 0.0050		3	09/18/96	09/12/96
7440-28-0	THALLIUM	< 0.1300		mg/L	0.1300	1.0000	< 0.0050		4	08/17/97	08/05/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	1.0000	< 0.0050		5	08/30/97	09/11/97
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0010	1.0000		< 0.0010	6	05/12/98	5/6/98
7440-28-0	THALLIUM	< 1.0000	1.0000	mg/L	0.0050	1.0000		< 4.0000	7	09/28/98	09/23/98
7440-28-0	THALLIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	8	04/27/99	04/21/99
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.0500	9	11/25/99	10/13/99
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.0500	10	04/24/00	04/12/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	1.0000		< 0.0110	11	01/04/01	10/18/00
7440-28-0	THALLIUM	< 0.0130	< 0.0100	mg/L	0.0100	1.0000		0.0230	12	05/28/01	04/18/01
7440-28-0	THALLIUM	< 0.5000	< 0.5000	mg/L	0.0130	1.0000		0.0280	13	11/05/01	10/17/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	1.0000		< 0.0500	14	04/22/02	04/17/02
7440-28-0	THALLIUM	0.1250	0.0882	mg/L	0.0130	1.0000		< 0.0500	15	10/27/02	10/16/02
7440-28-0	THALLIUM	< 0.0300	< 0.0300	mg/L	0.0300	1.0000		< 0.0500	16	04/30/03	04/08/03
7440-28-0	THALLIUM	< 0.0250	< 0.0250	mg/L	0.0250	1.0000		< 0.0500	17	10/22/03	10/15/03



WQSP-4 Vanadium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		2	08/18/96	05/23/96
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	5.0000	< 0.0100		3	08/18/96	09/12/96
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		4	08/17/97	08/05/97
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	5.0000	< 0.0100		5	08/30/97	09/11/97
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0050	5.0000		< 0.0050	6	05/12/98	5/5/98
7440-82-2	VANADIUM	< 5.0000	< 5.0000	mg/L	0.1000	5.0000		< 5.0000	7	09/28/98	09/23/98
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	8	04/27/99	04/21/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	5.0000		< 0.1000	9	11/25/99	10/13/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.0500	5.0000		< 0.1000	10	04/24/00	04/12/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	11	10/28/00	10/18/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	12	05/28/01	04/18/01
7440-82-2	VANADIUM	< 0.2500	< 0.2500	mg/L	0.0250	5.0000		0.0040	13	11/05/01	10/17/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	14	04/22/02	04/17/02
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	5.0000		< 0.0250	15	10/27/02	10/18/02
7440-82-2	VANADIUM	< 0.0052	< 0.0052	mg/L	0.0052	5.0000		< 0.0250	16	04/30/03	04/09/03
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	5.0000		< 0.0250	17	10/22/03	10/15/03

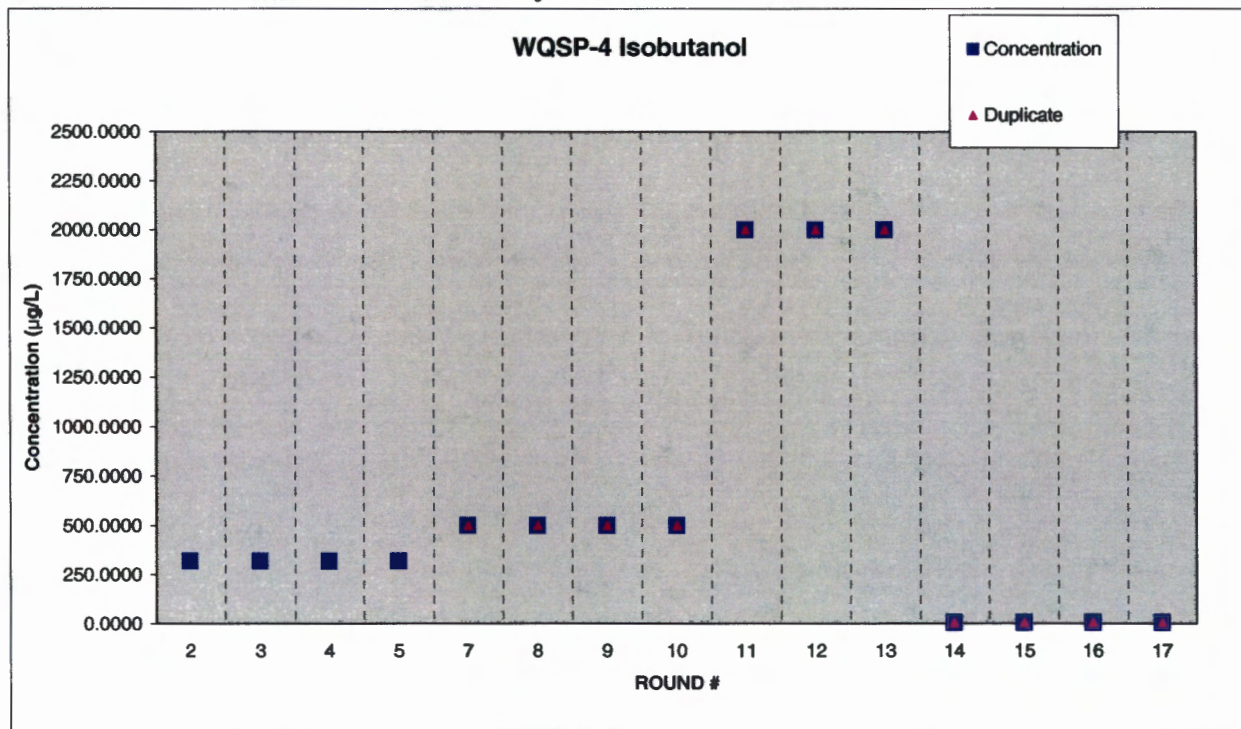


WELL WQSP-4

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**

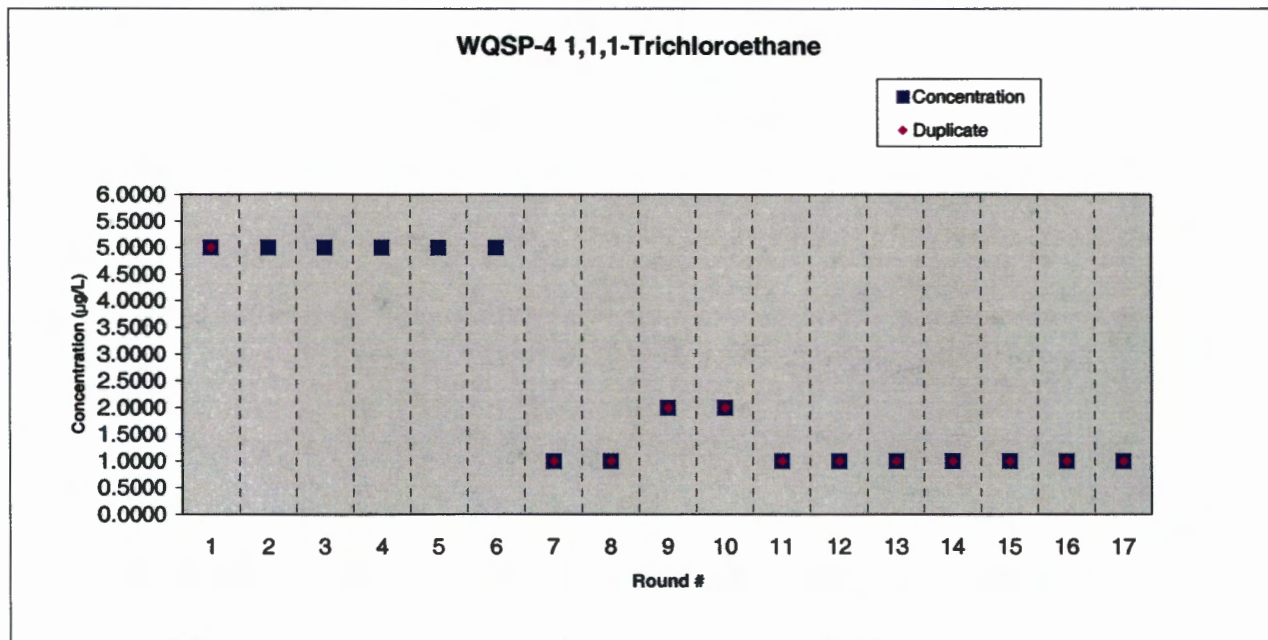
WQSP-4 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	2	06/04/96	05/23/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	3	09/20/96	09/12/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		4	06/09/97	06/05/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		5	09/19/97	09/11/97
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				7	09/28/98	09/23/98
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	8	04/28/99	04/21/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	9	10/27/99	10/13/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	10		
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	11	10/27/00	10/18/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	12	04/24/01	04/18/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	13	10/26/01	10/17/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/18/02	04/17/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/25/02	10/16/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/21/03	04/09/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/22/03	10/15/03



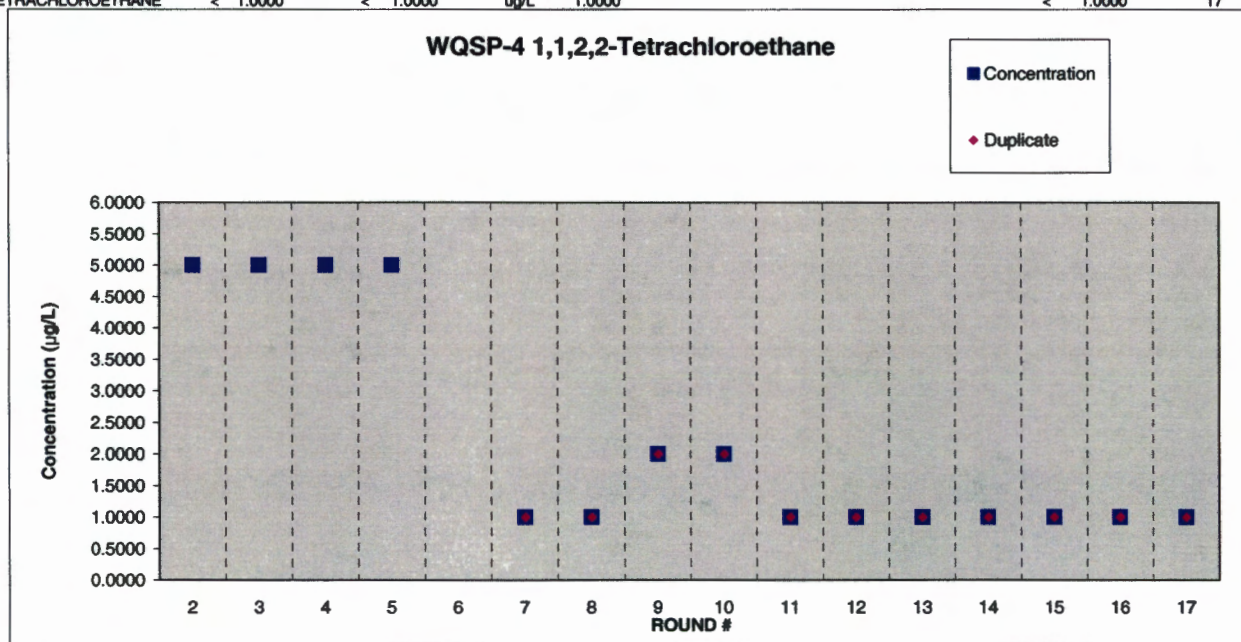
WQSP-4 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/11/95	09/28/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	08/11/97	08/05/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/28/01	04/18/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



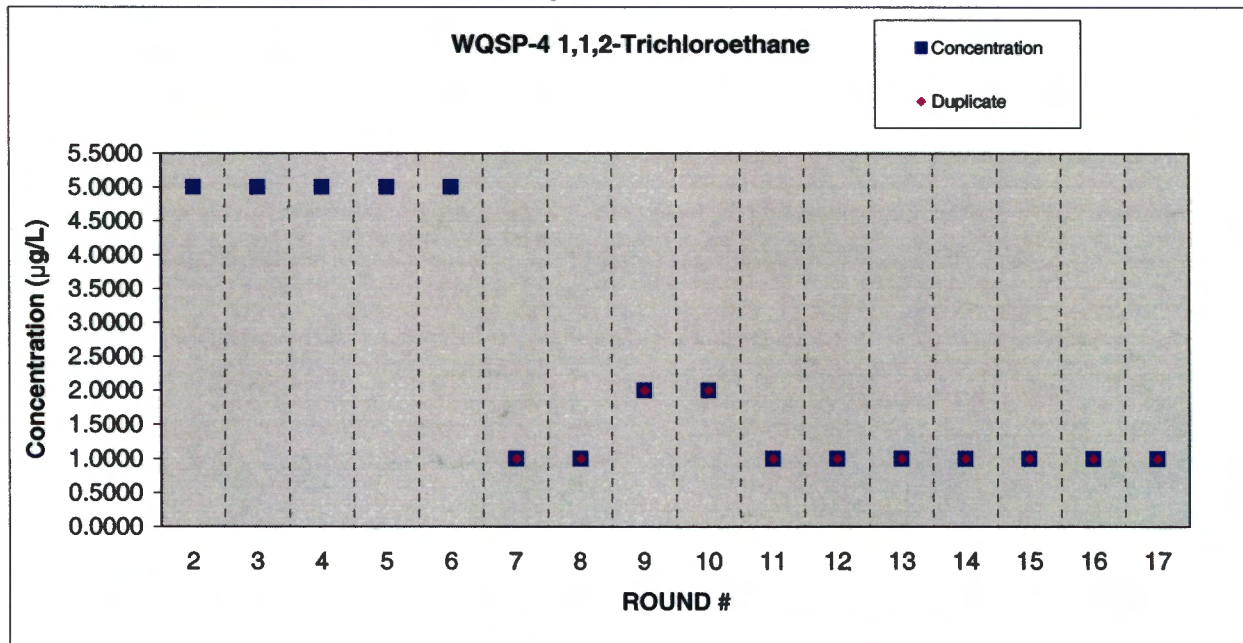
WQSP-4 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	08/11/97	06/05/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/12/98	05/08/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



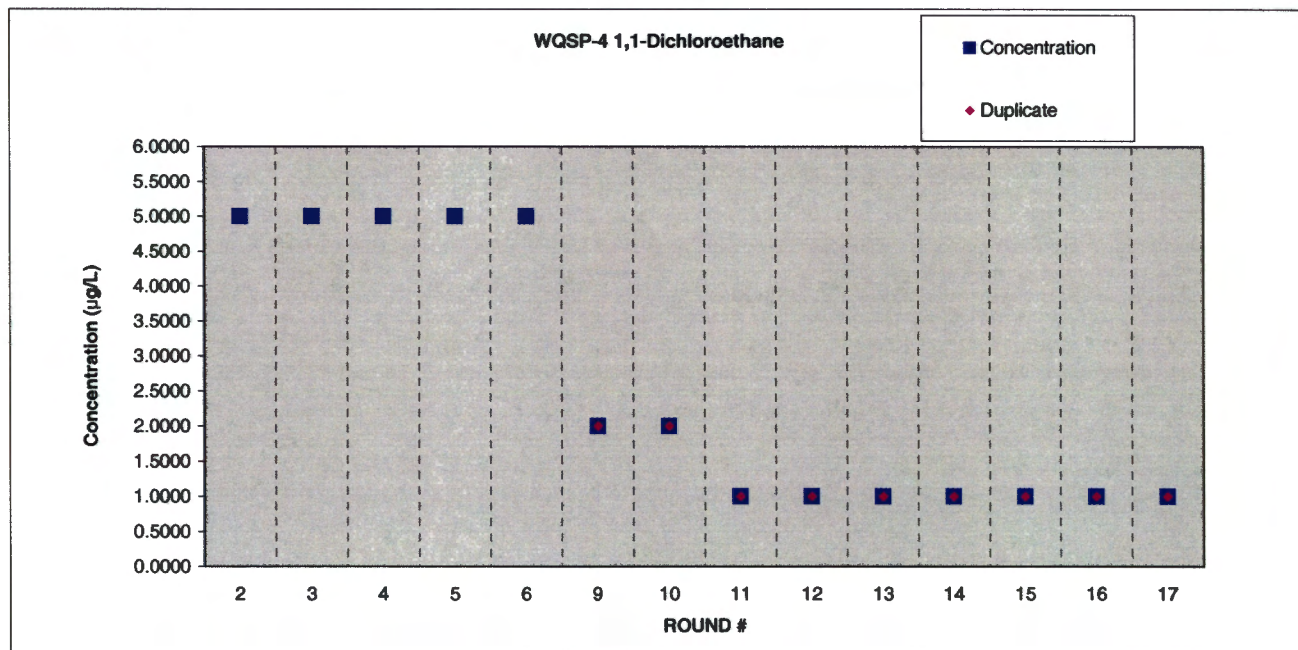
WQSP-4 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/28/00	10/18/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
79-05-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
79-05-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
79-05-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
79-05-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
79-05-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



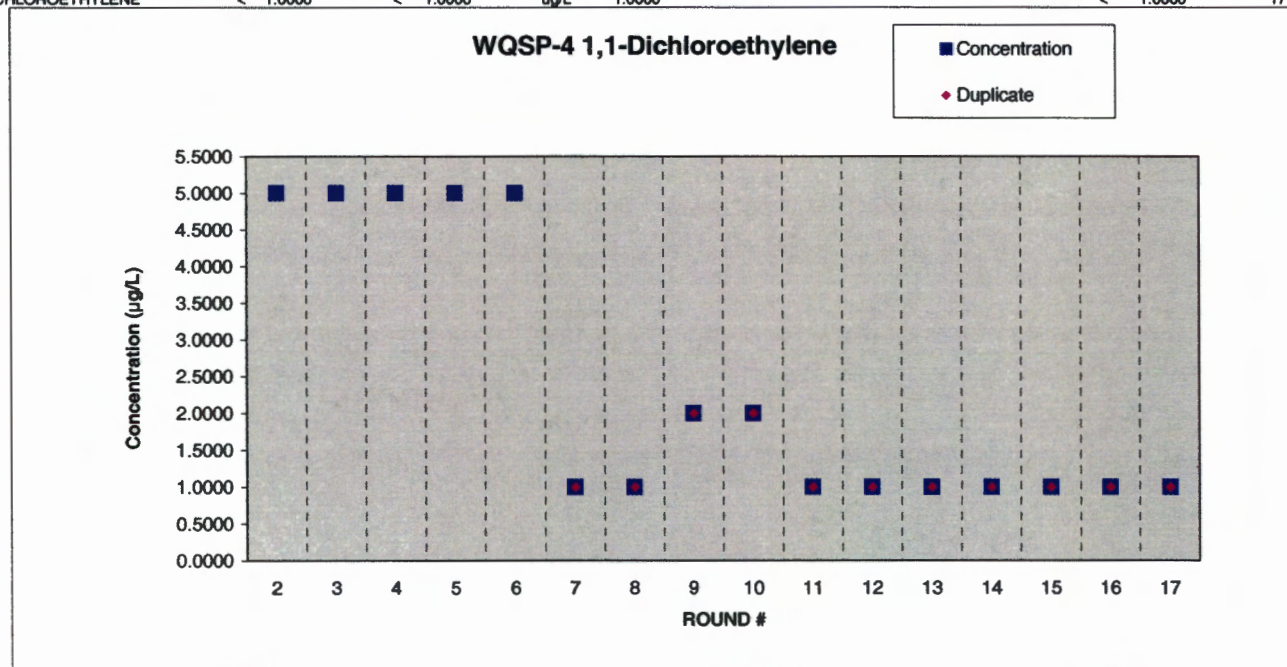
WQSP-4 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/18/96	09/12/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/18/00	04/12/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



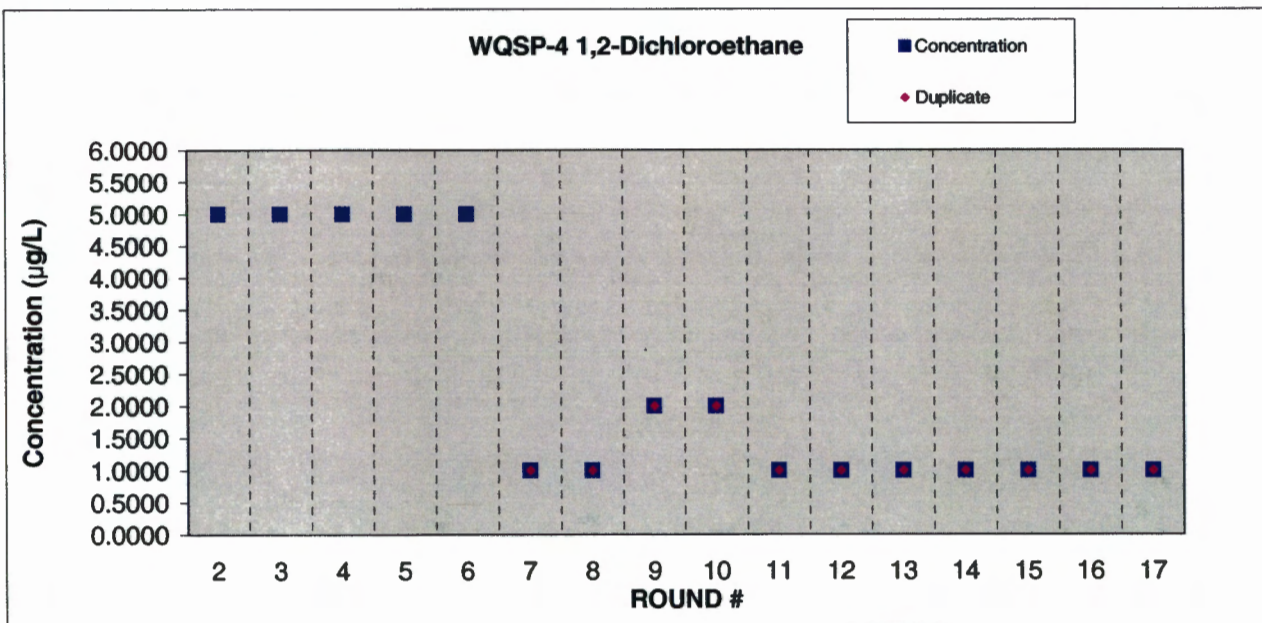
WQSP-4 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



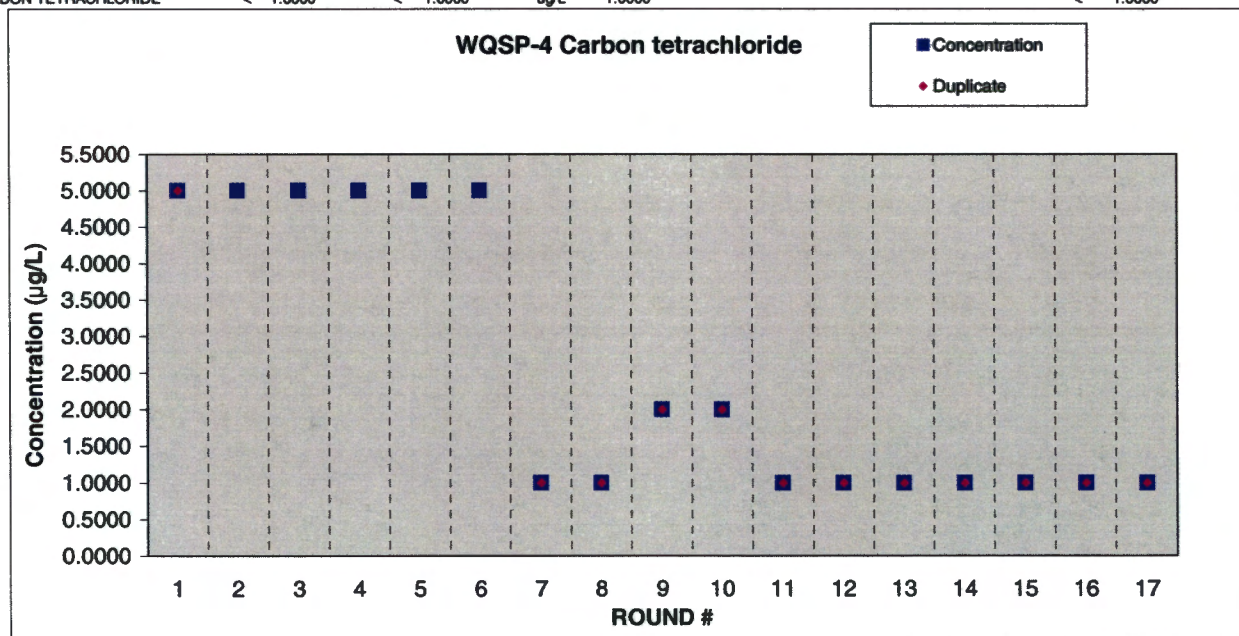
WQSP-4 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



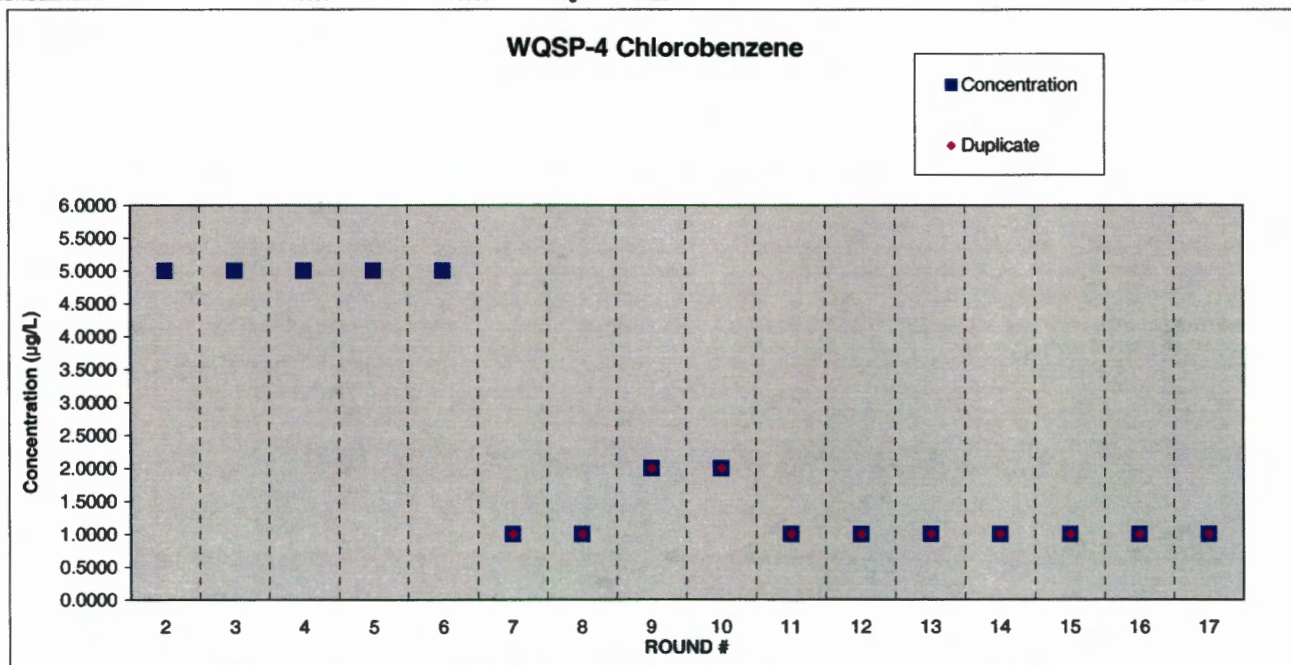
WQSP-4 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/11/95	09/28/95
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/05/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



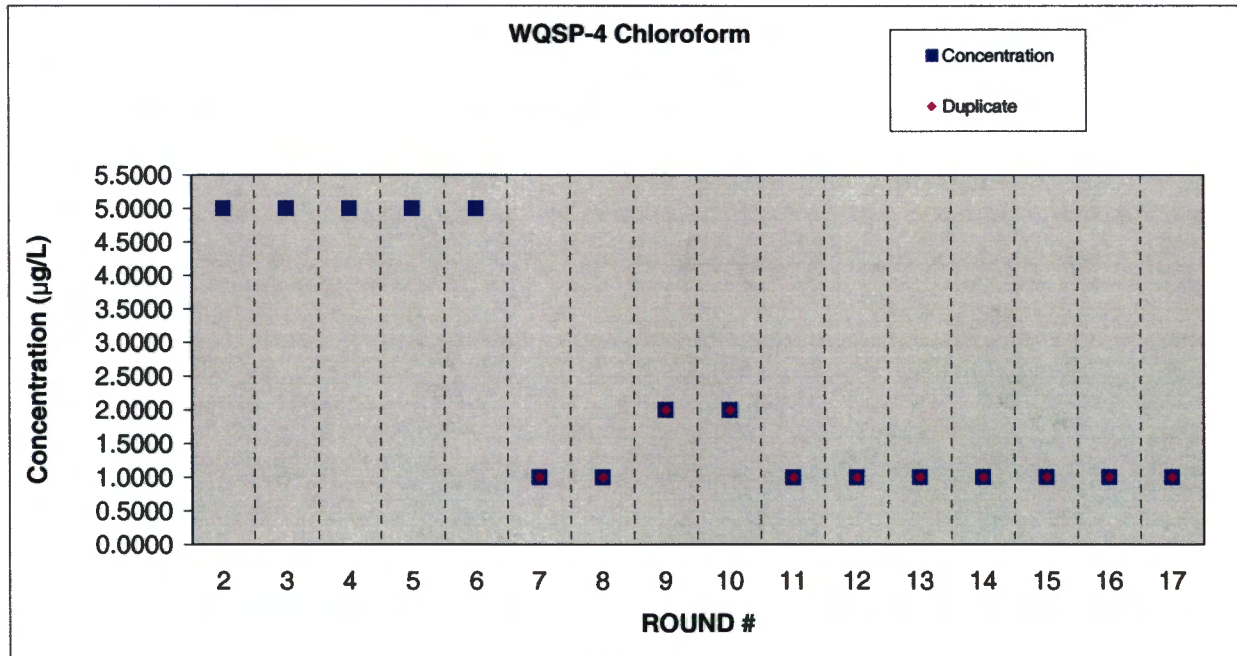
WQSP-4 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



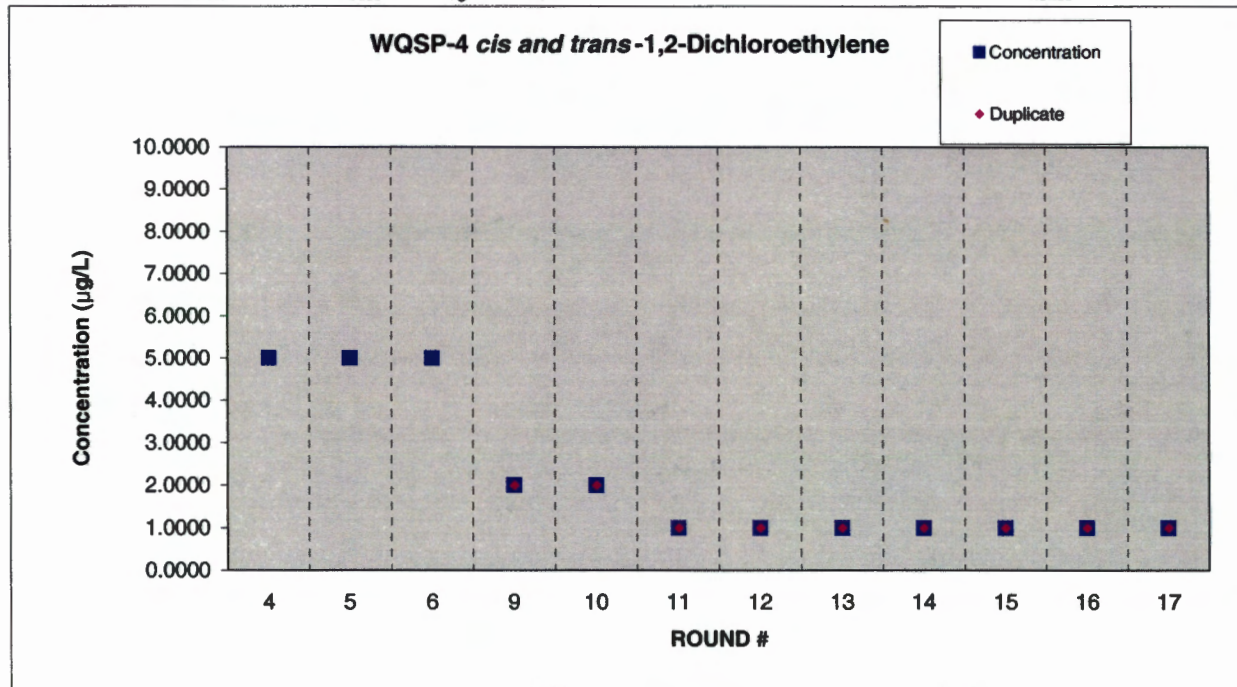
WQSP-4 Chloroform

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	5/6/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/28/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



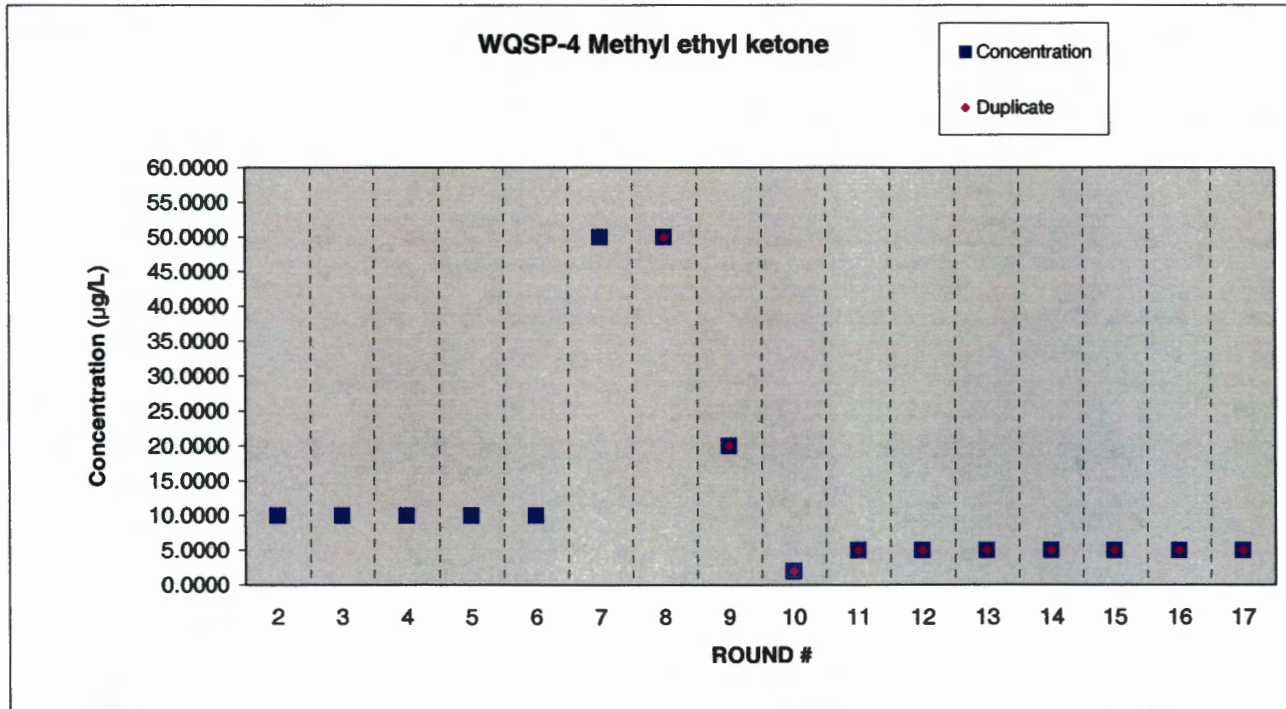
WQSP-4 cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	08/11/97	06/05/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	5/6/98
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



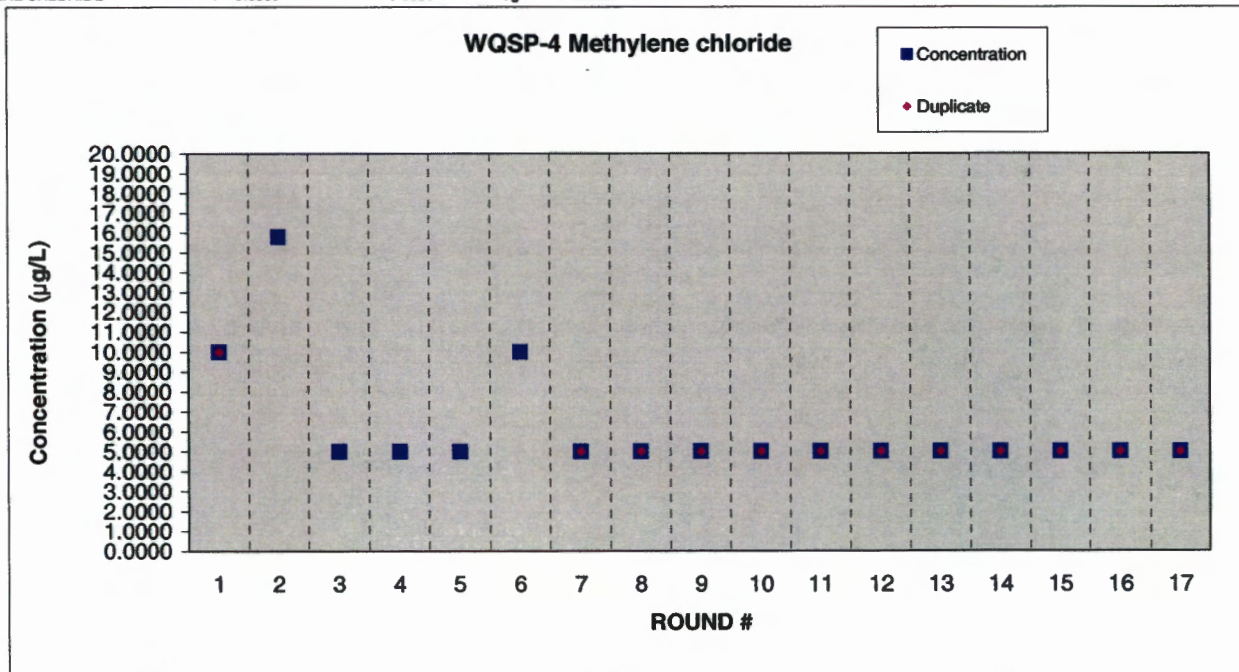
WQSP-4 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/29/96	05/23/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	09/16/96	09/12/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/11/97	06/05/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/17/97	09/11/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/12/98	05/06/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	10/03/98	09/23/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	04/21/99	04/21/99
78-93-3	METHYL ETHYL KETONE	< 20.0000	< 20.0000	ug/L	20.0000			< 20.0000	9	10/17/99	10/13/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	10/26/00	10/18/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	04/26/01	04/18/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	10/19/01	10/17/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	04/18/02	04/17/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	10/25/02	10/16/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/21/03	04/09/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/22/03	10/15/03



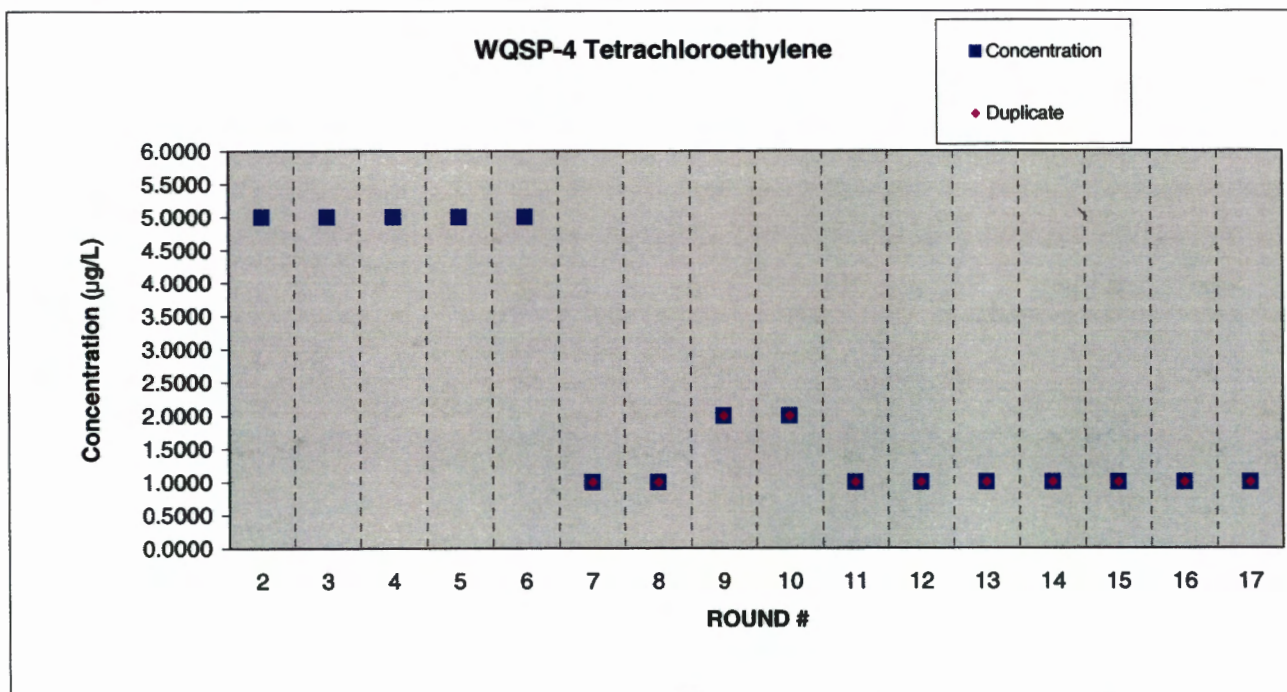
WQSP-4 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	10.0000	10.0000	ug/L	5.0000			< 5.0000	1	10/11/95	09/28/95
75-09-2	METHYLENE CHLORIDE	15.8000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		12.0000		4	08/11/97	06/05/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
75-09-2	METHYLENE CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/12/98	05/05/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	7	10/03/98	09/23/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	04/21/99	04/21/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	10/17/99	10/13/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	10/26/00	10/18/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	04/26/01	04/18/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	10/19/01	10/17/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	04/18/02	04/17/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	10/25/02	10/16/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/21/03	04/09/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/22/03	10/15/03



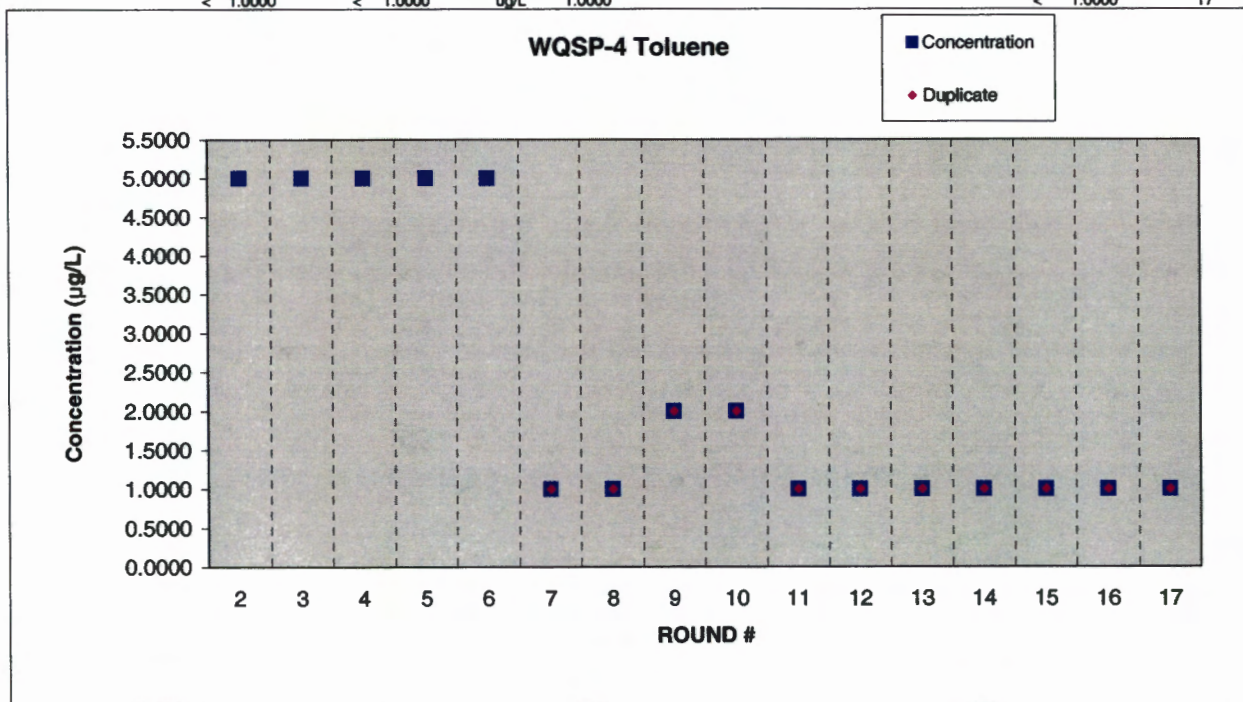
WQSP-4 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	08/17/97	09/11/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/05/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/28/01	04/18/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



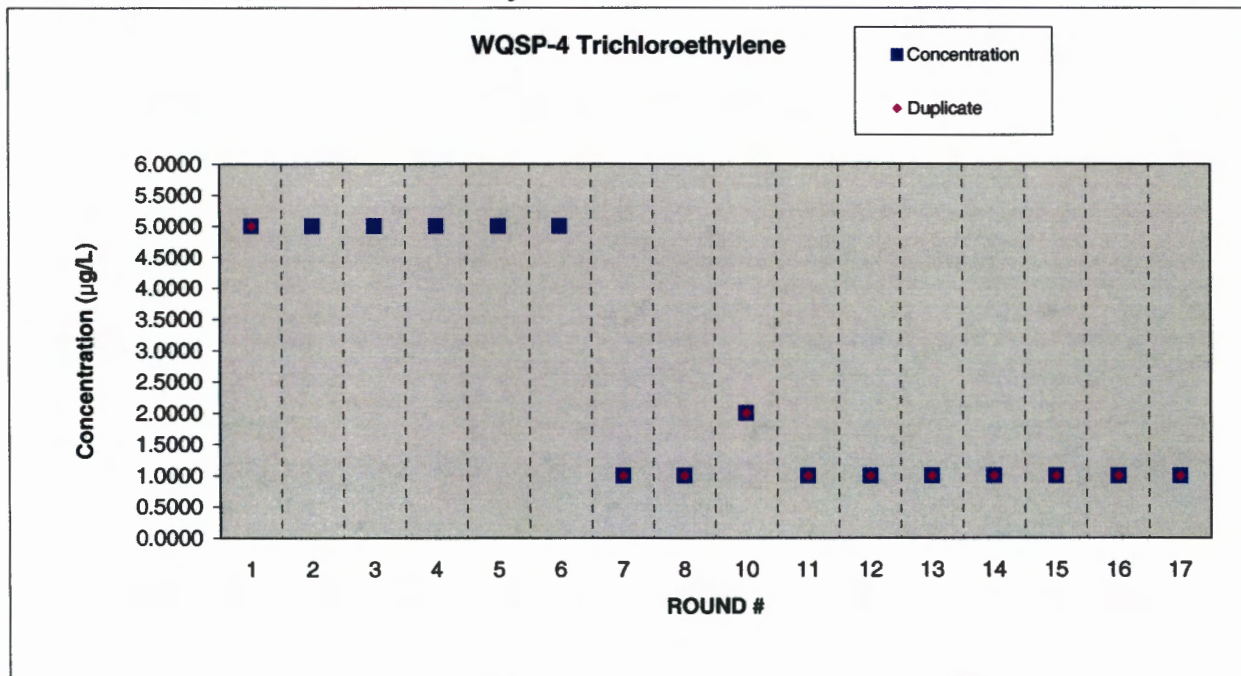
WQSP-4 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	08/11/97	08/05/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/28/00	10/18/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/18/01	10/17/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



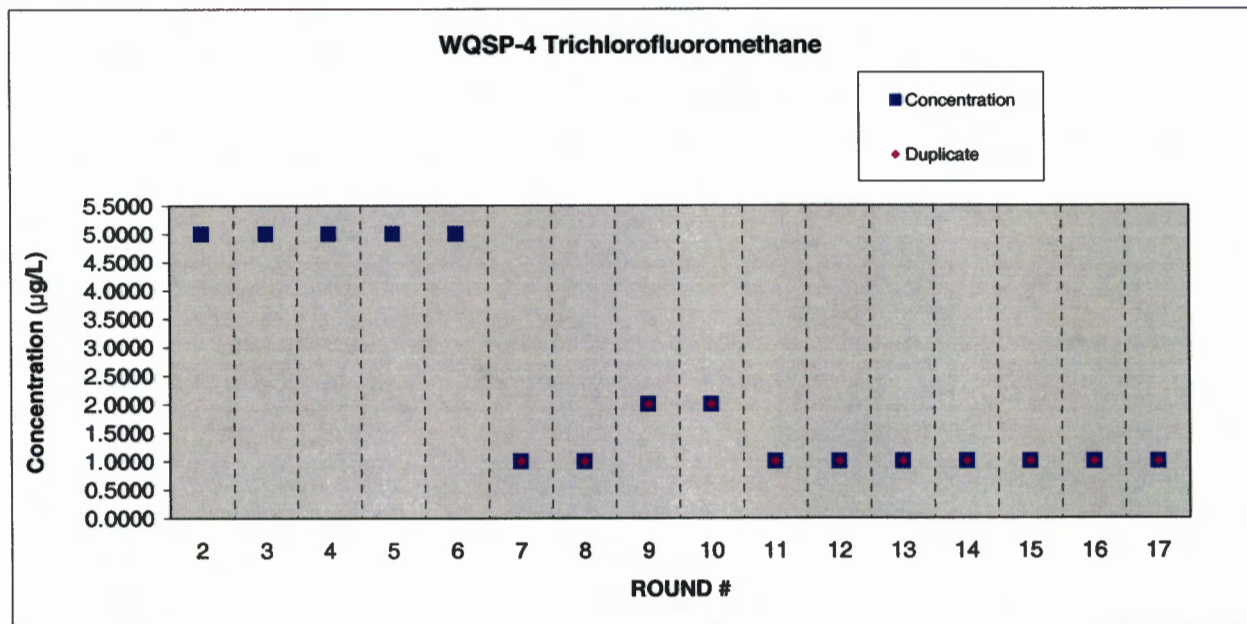
WQSP-4 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHYLENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/11/95	09/28/95
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	08/11/97	06/05/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/05/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



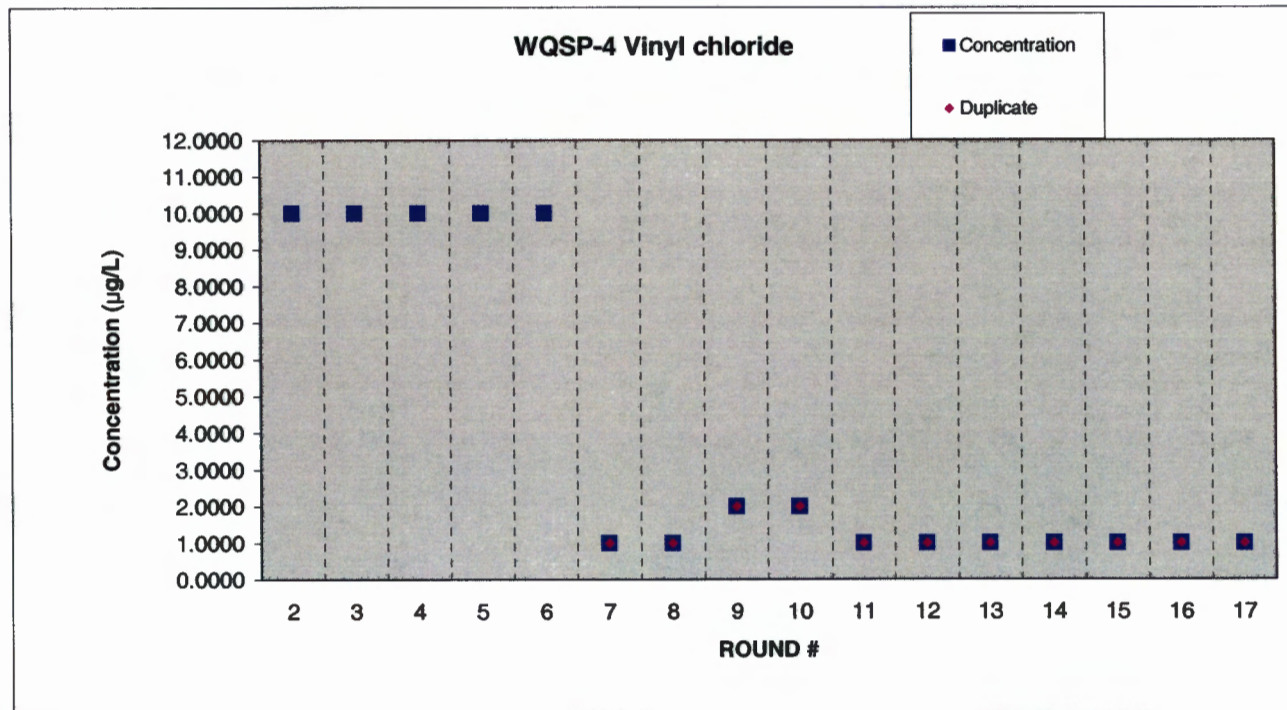
WQSP-4 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	05/29/96	05/23/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	09/16/96	09/12/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	06/11/97	06/05/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/17/97	09/11/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/08/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



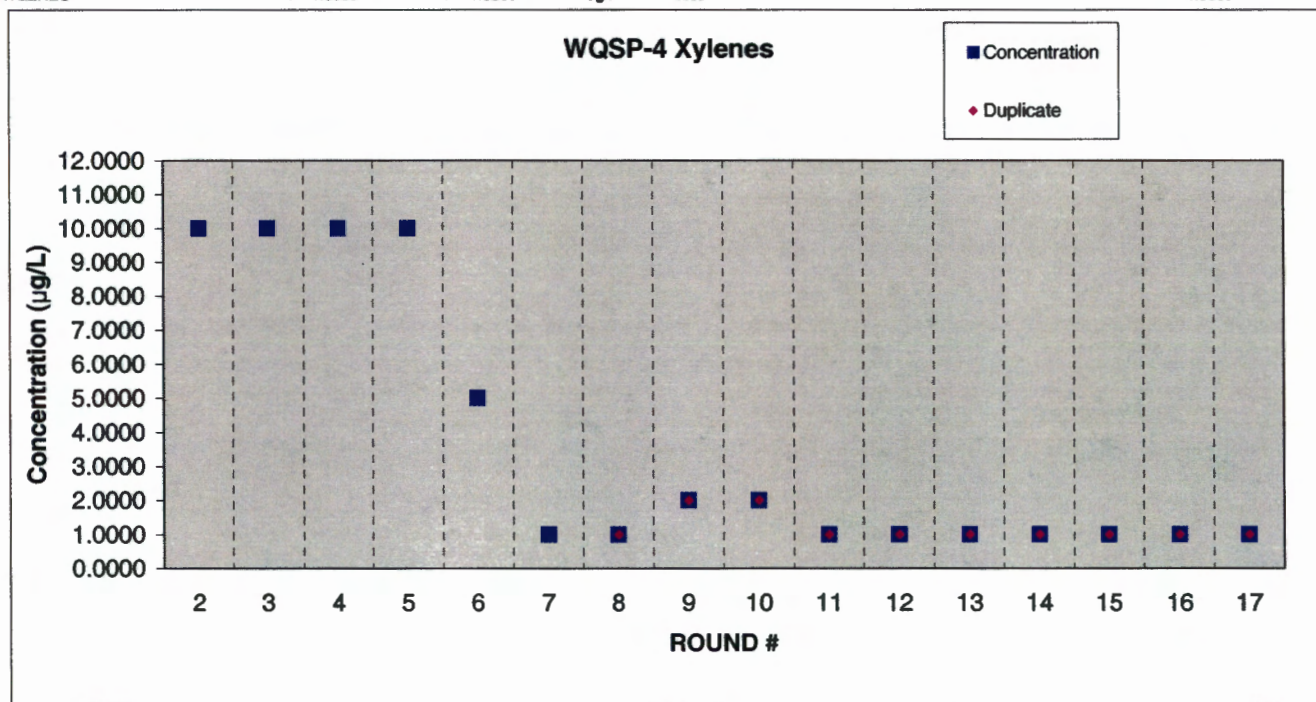
WQSP-4 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/29/96	05/23/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	09/16/96	09/12/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/11/97	06/05/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/17/97	09/11/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/12/98	05/06/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/03/98	09/23/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	04/21/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



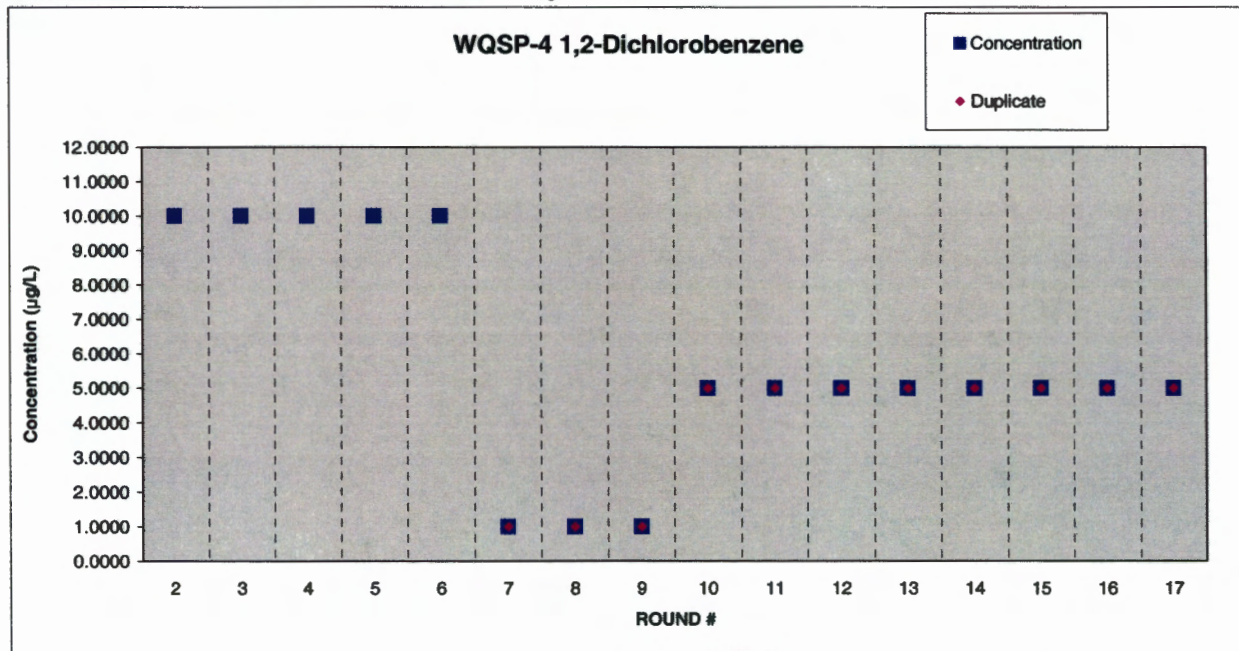
WQSP-4 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	05/29/96	05/23/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	09/16/96	09/12/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	06/11/97	06/05/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	09/17/97	09/11/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	05/12/98	05/06/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	10/03/98	9/23/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/21/99	4/21/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/17/99	10/13/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/16/00	04/12/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	10/26/00	10/18/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	04/26/01	04/18/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	10/19/01	10/17/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	04/18/02	04/17/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	10/25/02	10/16/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/21/03	04/09/03
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/22/03	10/15/03



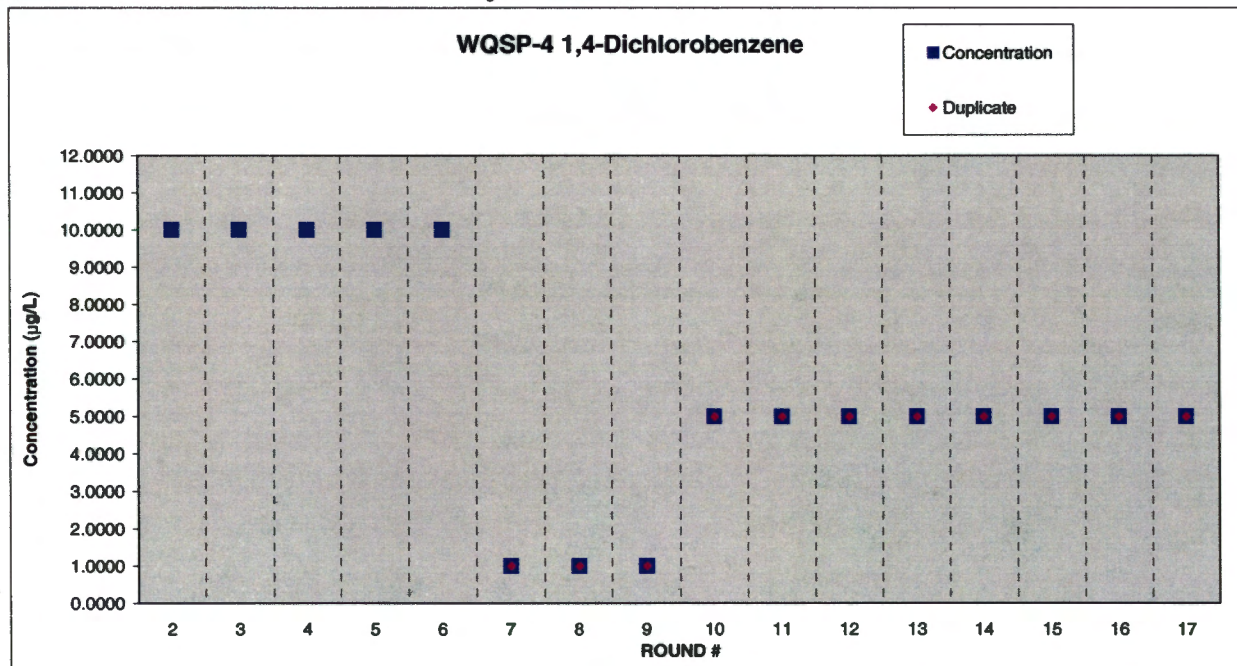
WQSP-4 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



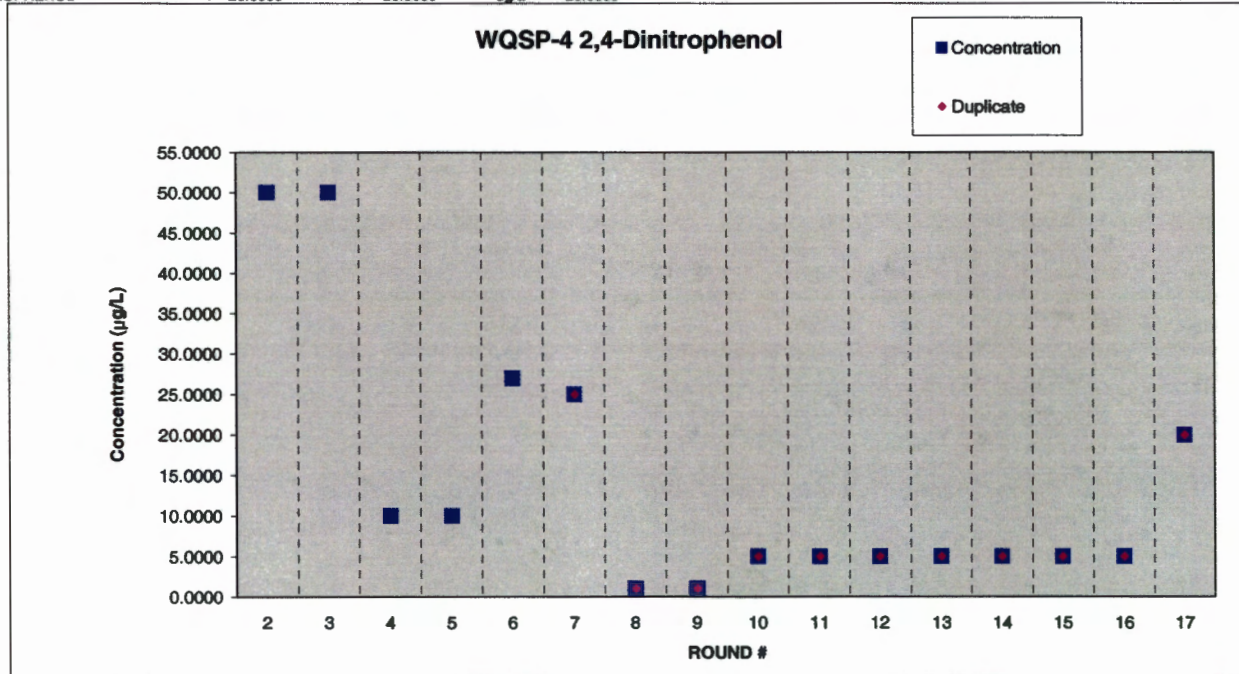
WQSP-4 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



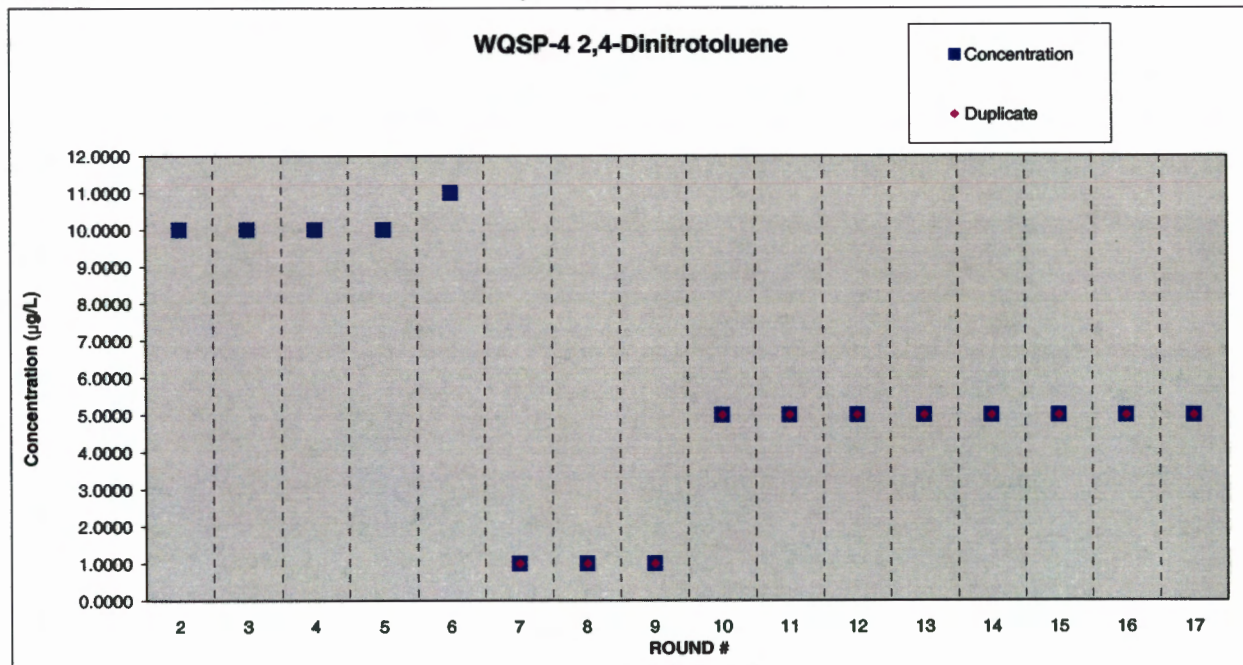
WQSP-4 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	08/11/96	05/23/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	09/19/96	09/12/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	08/12/97	06/05/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
51-28-5	2,4-DINITROPHENOL	< 27.0000		ug/L	25.0000			< 25.0000	6	05/14/98	05/06/98
51-28-5	2,4-DINITROPHENOL	< 25.0000	< 25.0000	ug/L	25.0000			< 25.0000	7	10/01/98	09/23/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/19/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
51-28-5	2,4-DINITROPHENOL	< 20.0000	< 20.0000	ug/L	20.0000				17	10/24/03	10/15/03



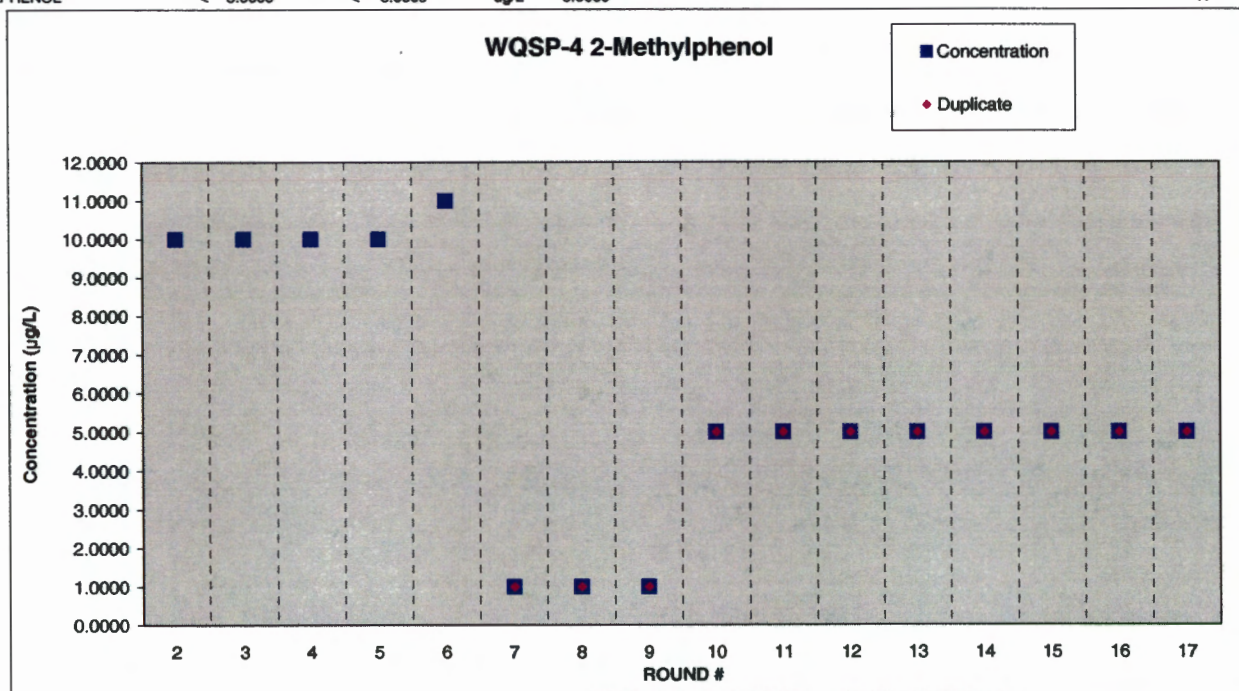
WQSP-4 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	08/11/96	05/23/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
121-14-2	2,4-DINITROTOLUENE	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



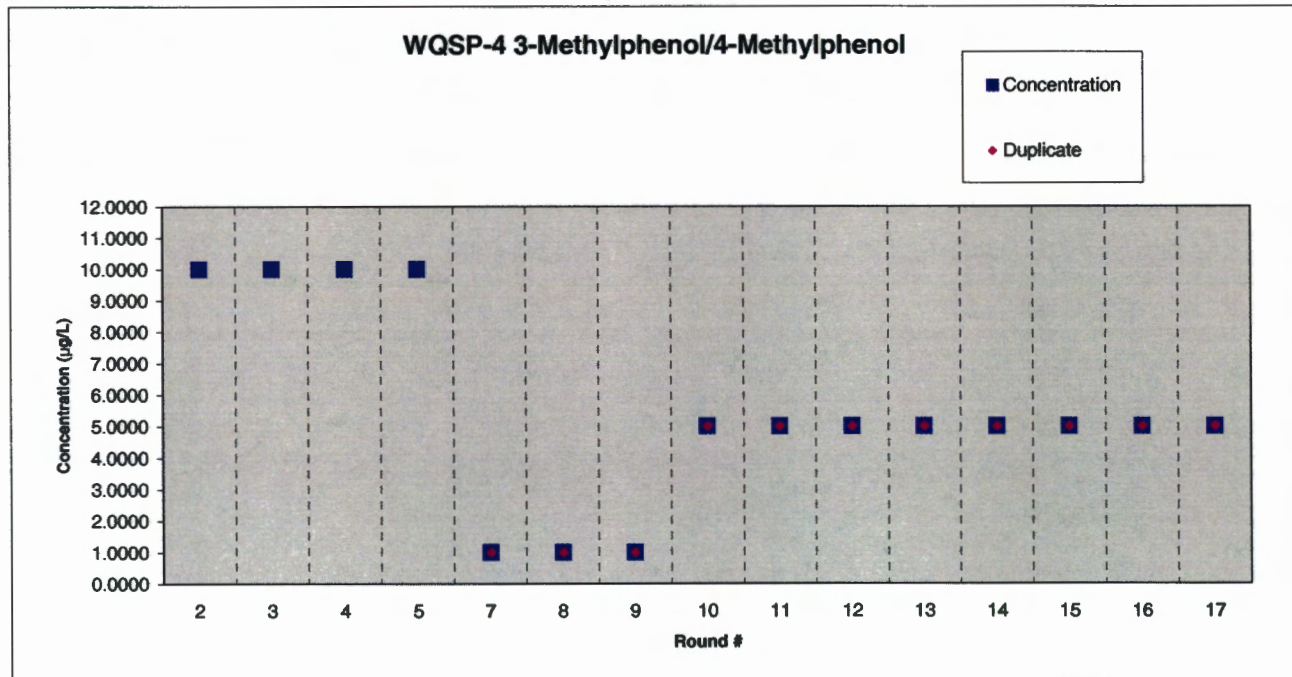
WQSP-4 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
95-48-7	2-METHYLPHENOL	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/28/99	04/21/99
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	10/03/00	10/18/00
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
45-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



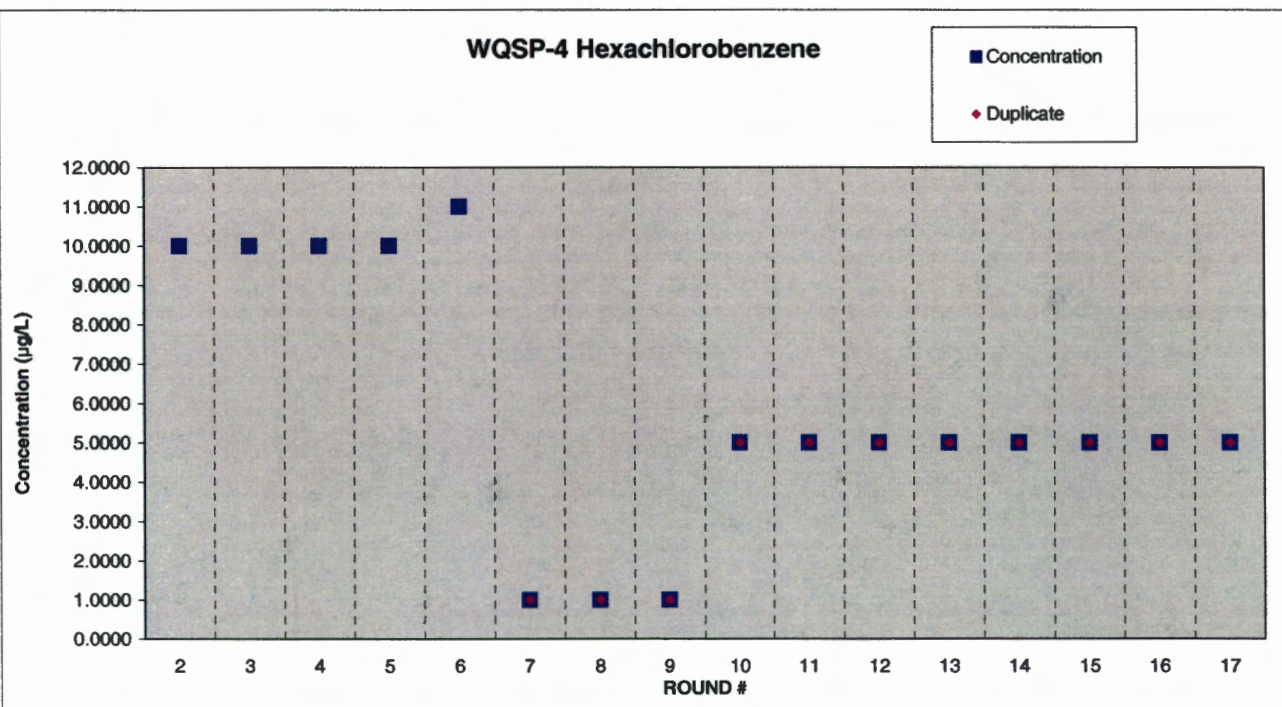
WQSP-4 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



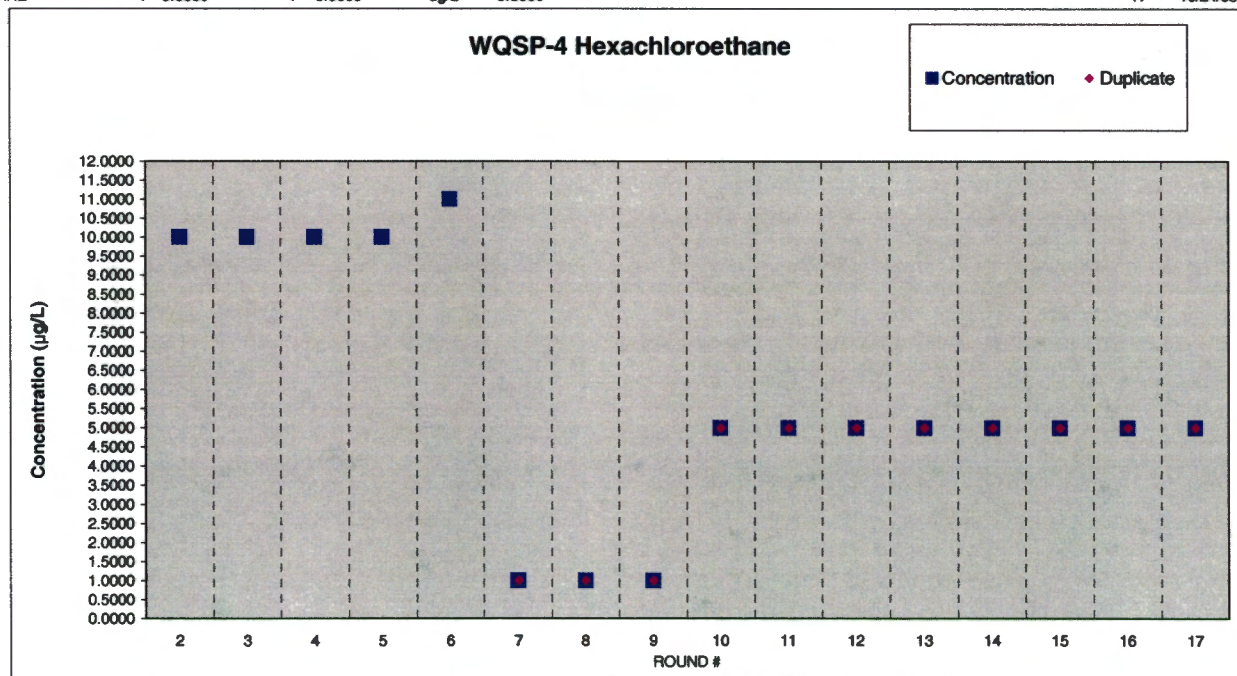
WQSP-4 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
118-74-1	HEXACHLOROBENZENE	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



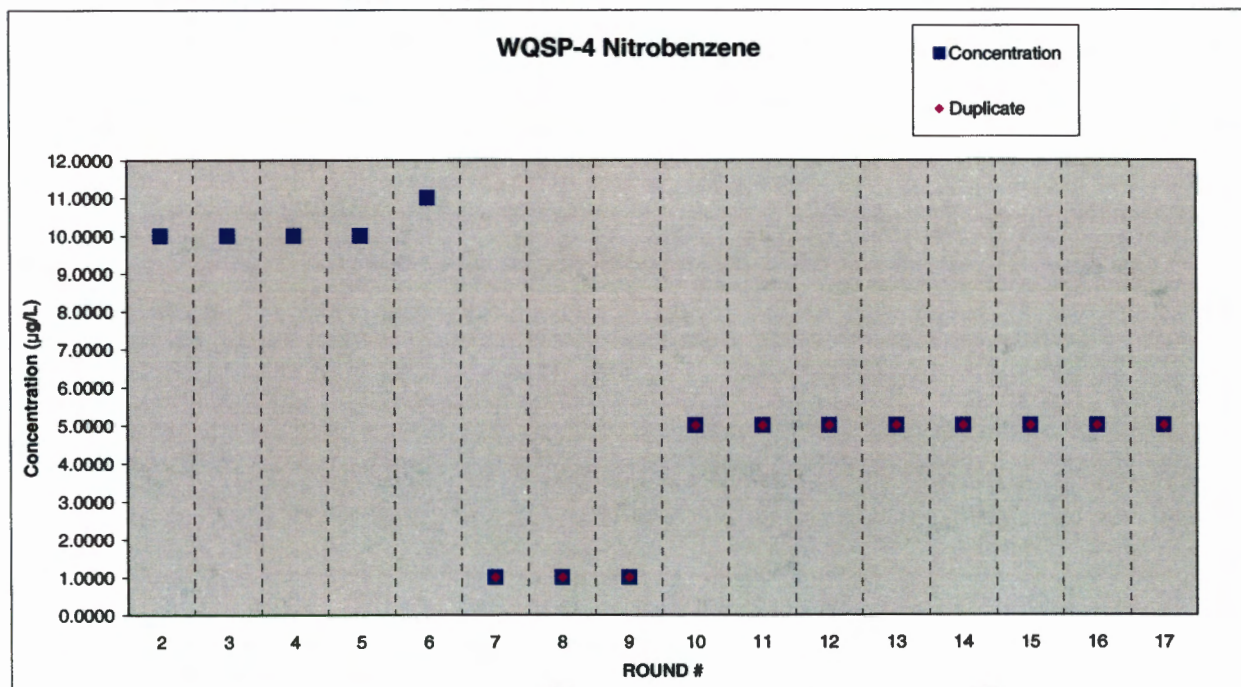
WQSP-4 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
67-72-1	HEXACHLOROETHANE	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
657-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



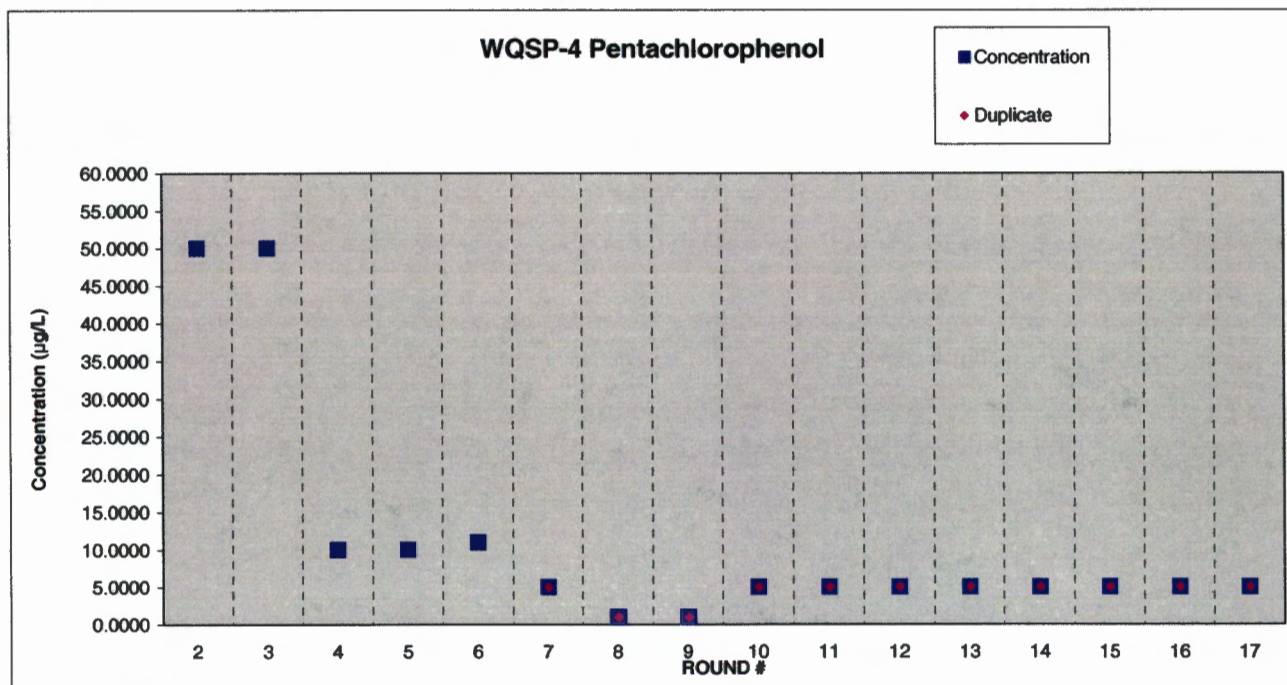
WQSP-4 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/11/96	05/23/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
98-95-3	NITROBENZENE	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/01/98	09/23/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/26/99	04/21/99
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



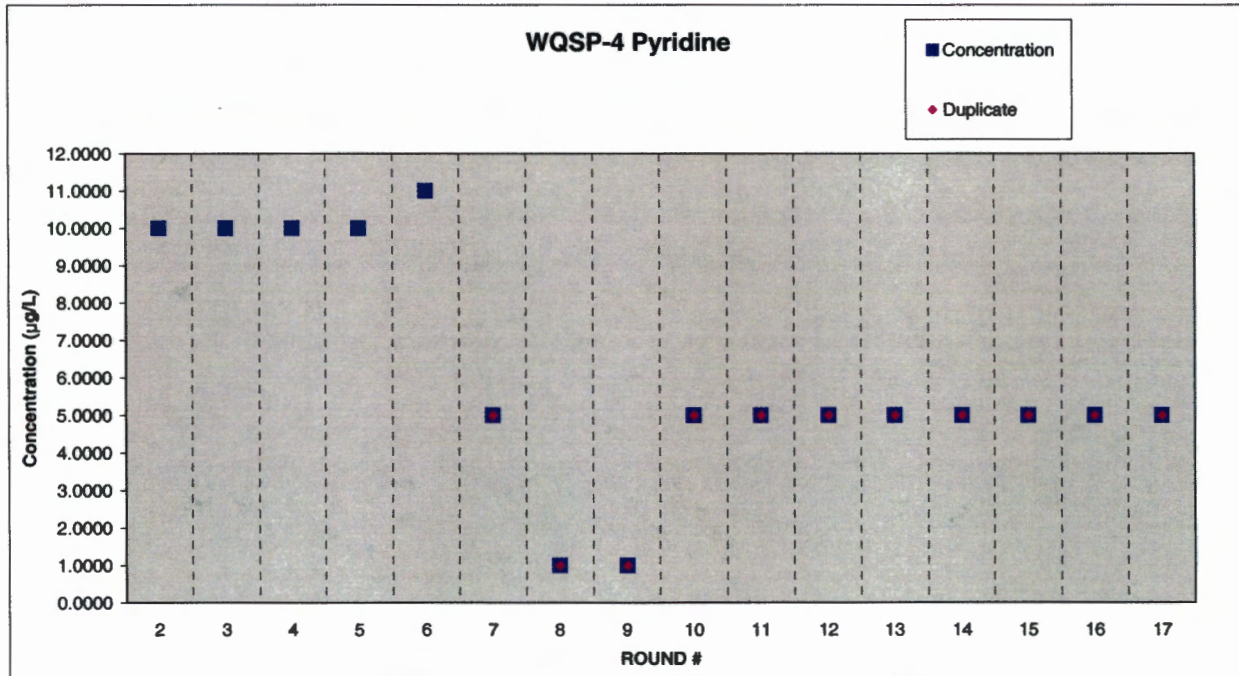
WQSP-4 Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	06/11/96	05/23/96
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	09/19/96	09/12/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	06/12/97	06/05/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
87-86-5	PENTACHLOROPHENOL	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	05/06/98
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		7	10/01/98	09/23/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	04/26/99	04/21/99
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		9	10/14/99	10/13/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	04/18/00	04/12/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



WQSP-4 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	08/11/96	05/23/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	09/19/96	09/12/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	08/12/97	06/05/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/19/97	09/11/97
110-86-1	PYRIDINE	< 11.0000		ug/L	10.0000			< 10.0000	6	05/14/98	5/6/98
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	1.0000			< 5.0000	7	10/01/98	09/23/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	04/28/99	04/21/99
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	9	10/14/99	10/13/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/18/00	04/12/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/03/00	10/18/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				12	04/27/01	04/18/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	10/28/01	10/17/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	04/22/02	04/17/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	10/22/02	10/16/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/15/03	04/09/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	10/24/03	10/15/03



APPENDIX 5

ANALYTICAL RESULTS WELL WQSP-5

SUMMARY FOR WQSP-5, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-5 is located 330 feet FSL and 340 feet FEL in Section 29, T22S, R31E in Eddy County, New Mexico. This location is approximately one mile south of the center of the WIPP Site. The surface elevation at WQSP-5 is 3381.56 feet above mean sea level (AMSL). The Top of Casing (TOC) elevation at WQSP-5 is 3384.44 feet AMSL. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP site. Well WQSP-5 was drilled between October 12 and 13, 1994 to a total depth of 681.0 ft. below ground surface (BGS). The borehole was drilled through the Culebra and extends 12 ft. into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 505 ft. BGS using compressed air as the drilling media. The interval from 505 to 681 ft. BGS was drilled using air mist with a foaming agent as the drilling media. WQSP-5 was drilled to 648 ft. BGS using a 9.875 inch drill bit and was cored from 648 to 676 ft. BGS using a 5.25 inch core bit to cut a 4 inch diameter core. After coring WQSP-5 was reamed to 9.875 inch diameter to the total depth of 681 ft. BGS. WQSP-5 was cased with 5 inch O.D. and 4.33 inch I.D. fiber glass casing from the surface to 646 ft. BGS. Twenty-five feet of slotted 0.020 well screen casing was placed across the Culebra interval from 646 to 671 ft. BGS. A 10 ft. blank casing was installed below the screened interval from 671 to 681 ft. BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-5 is 648 to 669 based on interpretation of the core logs. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 626 ft BGS, fine grain sand pack was then installed from 626 to 623 ft BGS. A bentonite seal was placed above the sand pack to 613 ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-5 on October 1, 1999. The system consists of a model 5S15-26 Grundfos 1-1/2-H.P. submersible pump retro-fitted with Kynar seals and a 3 phase 230 volt AC 3 H.P. submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the top of the pump to enable monitoring of the formation pressures in the wellbore during sampling. Round-17 pumping started at WQSP-5 on 10/27/03 at 06:56 and ended on 10/29/03 at 08:31. On 10/27/03 prior to the start of pumping, static water level was measured at 380.34 ft. Below Top of Casing (BTOC). The well was purged for 50 hours at an average pumping rate of 0.34 gallons per minute (gpm).

Three serial samples were collected and analyzed. The first sample was collected on 10/27/03 after 49 gallons of water were pumped, the second on 10/28/03 after 504 gallons were pumped, and the third on 10/29/03 after 920 gallons,

approximately 4 well bore volumes¹, had been pumped from the well. Final samples were collected on 10/29/03 for Trace Analysis Analytical Lab, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. Samples were also collected for the WIPP Laboratories. Samples were collected for the WIPP project to hold on site until analytical results were received from the contract laboratory and approved by WTS. EEG was not on site to collect independent samples. The Final Samples Checklist lists samples, destination, preservatives, sample quantities, container type, sampling times and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measured: +220 mv, +118, and +213 mv respectively for the three Serial Samples.

pH measured 8.01 S.U., 7.70 S.U., and 7.60 S.U. respectively.

Temperature measured 22.8° C, 22.2° C, and 23.5° C, respectively.

Specific gravity measured 1.026 @ 23.0° C, 1.025 @ 23.1° C, and 1.025 @ 23.3° C.

Specific Conductivity measured 46,800, 44,000, and 44,300 umhos/cm at 25° C for each of the serial samples.

Alkalinity measured 64.4 mg/l, 65.4 mg/l, and 59.9 mg/l respectively.

Chlorides measured 16,418 mg/l, 15,217 mg/l, and 15,237 mg/l.

Divalent cations measured 96.2 meq/l, 92.0 meq/l, and 90.4 meq/l.

Total iron measured 0.23 mg/l, 0.15mg/l, and 0.12 mg/l for the three serial samples.

COMPARISON OF ROUND-17 RESULTS WITH PREVIOUS ROUNDS

The total amount of water pumped from the well from the initiation of pumping until final shutdown during the first sixteen sampling rounds was 6,565, 3,126, 3,014, 4,209, 2,240, 1,563, 1,251, 1,307 1,517, 1,289, 1,389, 1,744, 1,589, 924, 1,390 and 1,028 gallons respectively. The total number of gallons pumped during Round-17 was 1,005. The average of final day results for Alkalinity, Chlorides, Di-Cats, and Total Iron for the ten background rounds are compared with Round-17 results in the following table.

AVG. OF FINAL DAY RESULTS
FOR BACKGROUND

AVG. OF FINAL DAY RESULTS
FOR ROUND-17

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

Alkalinity.....61.8 mg/l
Chlorides.....15,227 mg/l
Di-Cats.....89.8 meq/l
Total Iron....0.06 mg/l

Alkalinity.....59.9 mg/l
Chlorides.....15,237 mg/l
Di-Cats.....90.4 meq/l
Total Iron.....0.12mg/l

All parameters fell within plus or minus five percent of the background average with the exception of Total Iron. Even though the value for Total Iron did not fit the desired criteria, it was within the range of previous values. Four well bore volumes had been pumped and final samples were collected.

WQSP-5
ROUND 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/DMP
SDG: 3102920
DATE: JANUARY 6, 2004
R/A CONTROL: 6466-6467

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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Volatile Organic Analysis Data Section

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Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for sixteen miscellaneous samples received on October 29 2003, under SDG 3102920.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.


TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

 1/6/04
LABORATORY MANAGER: DATE

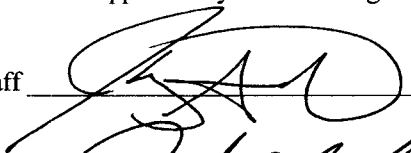
 1/6/04
PREPARED BY: DATE

Signature Page

The data for Round 17 Well # 5 was reviewed and approved by the following chemists.

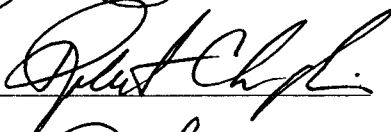
VOC's:

Johnny Gridstaff



TOC's:

Robert Champlin



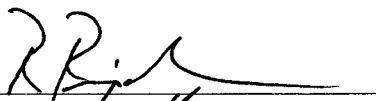
Semi-Volatiles:

Robert Champlin

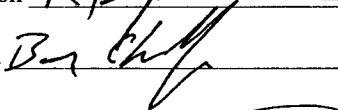


Metals:

Richard Rigdon

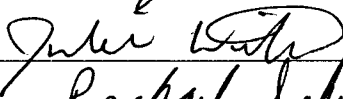


Barry Chaffin

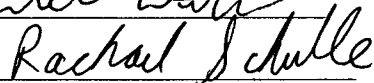


General Chemistry:

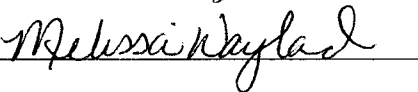
Julie Winters



Rachel Schulle



Melissa Wayland



Cation-Anion Balance Sheet

Sample #

WQSP # 5

Date:

1/6/2004

Cations

	ppm	meq/L
Calcium	1030	51.397
Magnesium	449	36.94821
Sodium	8960	389.76
Potassium	411	10.51338

Total Cations

488.61859 in meq/L

Anions

	ppm	meq/L
Alkalinity	44	0.88
Sulfate	4770	99.3114
Chloride	14700	414.687
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

514.8784 in meq/L

Percentage Error

5.2336599 %

(needs to be <10%)

OTHER INFORMATION

TDS	32600
EC	44200

Measure EC and Cation Sums	48861.859	Range should be:	39780	to	48620
Measure EC and Anion Sums	51487.84	Range should be:	39780	to	48620
Calculated TDS/Conductivity	0.7375566	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.6671871	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.6331592	Range should be:	0.55	to	0.77

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3102920

<u>CUSTOMER ID</u>	<u>LAB ID</u>
WQ5CR17N1	T20341
WQ5CR17N1D	T20342
WQ5CR17N2	T20343
WQ5CR17N2D	T20344
WQ5CR17N3	T20345
WQ5CR17N3D	T20346
WQ5CR17N4	T20347
WQ5CR17N4D	T20348
WQ5CR17N5	T20349
WQ5CR17N5D	T20350
WQ5CR17N6	T20351
WQ5CR17N6D	T20352
WQ5CR17N7	T20353
WQ5CR17N7D	T20354
WQ5CR17N8	T20355
WQ5CR17N8D	T20356

SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3102920

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5	Initial Calibration (Form 2)
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23	Chloride, Sulfate Worksheet
24	Chloride, Sulfate Raw Data
49	Specific Gravity Worksheet
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53	TDS Worksheet
54	TOC Worksheet
55	TOC Raw Data
74	ATEL
78	TSS Worksheet
78	TOTAL PAGES

COVER PAGE - CLASSICALS ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Program: WIPP/GWMP

WIPP Sample No.

WQ5CR17N4

WQ5CR17N4D

WQ5CR17N5

WQ5CR17N5D

WQ5CR17N8

WQ5CR17N8D

Lab Sample ID:

T20347

T20348

T20349

T20350

T20355

T20356

Comments: Narrative Report is attached.

Yes **X**

No

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the Narrative Report. Release of data contained in this hardcopy data package (and in the data submitted on magnetic media, if data is submitted on magnetic media), has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

nature: Michael T. Miller
Date: 1/6/04

Name: Blair Leftwich
Title: Managing Director

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/29/03

WIPP Round No. 17

WIPP Well No. 5

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ5CR17N8	T20355		Alkalinity	44.0		11/4/03	SM 2320 B	4.0
WQ5CR17N8	T20355	7782-50-5	Chloride	14700		10/29/03	300.0	2.0
WQ5CR17N8	T20355		Density	1.02		10/29/03	ASTM D 854-92	N/A
WQ5CR17N8	T20355	7727-37-9	Nitrate (as N)	0.10	U	10/29/03	353.3	0.10
WQ5CR17N8	T20355		pH	7.7		10/29/03	150.1	4-10
WQ5CR17N8	T20355		Conductivity	44200		10/29/03	SM2510B	
WQ5CR17N8	T20355		Sulfate	4770		10/29/03	300.0	2
WQ5CR17N8	T20355		Total Dissolved Solids (TDS)	32600		11/6/03	160.1	10
WQ5CR17N5	T20349		Total Organic Carbon (TOC)	1.57		11/5/03	415.1	1.0
WQ5CR17N4	T20347		Total Organic Halogen (TOX)	3.30		11/13/03	5320B/9020B	0.005
WQ5CR17N8	T20355		Total Suspended Solids (TSS)	1.00	U	11/5/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 10/29/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. 17

WIPP Well No. 5

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ5CR17N8D	T20356		Alkalinity	46.0		11/4/03	SM 2320 B	4.0
WQ5CR17N8D	T20356	7782-50-5	Chloride	14700		10/29/03	300.0	2.0
WQ5CR17N8D	T20356		Density	1.02		10/29/03	ASTM D 854-92	N/A
WQ5CR17N8D	T20356	7727-37-9	Nitrate (as N)	0.10	U	10/29/03	353.3	0.10
WQ5CR17N8D	T20356		pH	7.7		10/29/03	150.1	4-10
WQ5CR17N8D	T20356		Conductivity	44400		10/29/03	SM2510B	
WQ5CR17N8D	T20356		Sulfate	4860		10/29/03	300.0	2
WQ5CR17N8D	T20356		Total Dissolved Solids (TDS)	34150		11/6/03	160.1	10
WQ5CR17N5D	T212016		Total Organic Carbon (TOC)	1.00	U	11/5/03	415.1	1.0
WQ5CR17N4D	T212014		Total Organic Halogen (TOX)	4.00		11/13/03	5320B/9020B	0.005
WQ5CR17N8D	T20356		Total Suspended Solids (TSS)	1.00	U	11/5/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Program: WIPP/GWMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	44.0		46.0		4
Chloride	14700		14700		0
Density	1.02		1.02		0
Nitrate (as N)	0.10	U	0.10	U	0
pH	7.7		7.7		0
Conductivity	44200		44400		0
Sulfate	4770		4860		2
Total Dissolved Solids (TDS)	32600		34150		5
Total Organic Carbon (TOC)	1.57		1.00	U	44
Total Organic Halogen (TOX)	3.30		4.00		19
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>10/07/03</u>	<u>145000</u>	<u>152000</u>	<u>134000</u>	<u>119000</u>	<u>130000</u>		<u>136000</u>	<u>9.4</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>10/29/03</u>	<u>0.388</u>	<u>0.381</u>	<u>0.375</u>				<u>0.381</u>	<u>1.64</u>
<u>Sulfate</u>		<u>10/07/03</u>	<u>83900</u>	<u>88100</u>	<u>78400</u>	<u>75100</u>	<u>79700</u>		<u>81100</u>	<u>6.25</u>
<u>Total Organic Carbon (TOC)*</u>		<u>11/05/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

*TOC has a large y-intercept (due to lack of totally carbon free water) that prevents a good RSD value. If the blank was subtracted out then the RSD would be fine. The correlation is >0.995.

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	238	95
Chloride	7782-50-5	12.5	12.5	100
Nitrate (as N)	7727-37-9	0.160	0.145	91
pH		7.00	7.10	101
Conductivity		1409	1410	100
Sulfate		12.5	13.5	108
Total Dissolved Solids (TDS)		1000	995	100
Total Organic Carbon (TOC)		5.00	5.51	110
Total Organic Halogen (TOX)		5.00	5.14	103

Comments

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	11.5	92
Nitrate (as N)	7727-37-9	0.160	0.172	108
pH		7.00	7.10	101
Conductivity		1412	1420	101
Sulfate		12.50	12.7	102
Total Dissolved Solids (TDS)		1000	1019	102
Total Organic Carbon (TOC)		5.00	5.48	110
TOX		5.00	5.47	109
Comments				

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	14455	12500	26354	95
7727-37-9	Nitrate (as N)	0.00	0.16	0.161	101
	Sulfate	5264	12500	18140	103
	Total Organic Carbon (TOC)	2.59	5.00	7.16	91

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	12500	26072	93	2
7727-37-9	Nitrate (as N)	0.16	0.153	96	5
	Sulfate	12500	18152	103	0
	Total Organic Carbon (TOC)	5.00	6.32	75	19

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	11.8	94
7727-37-9	Nitrate (as N)	0.00	0.16	0.164	103
	Sulfate	0.00	12.5	12.7	102
	Total Organic Carbon (TOC)	0.00	5.00	5.15	103

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	11.7	93	1
7727-37-9	Nitrate (as N)	0.16	0.167	104	1
	Sulfate	12.5	12.8	103	1
	Total Organic Carbon (TOC)	5.00	5.14	103	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.02	1.02	0
	TDS	34150	32650	4
	TSS	<1.0	<1.0	0
	pH	7.7	7.7	0
	Conductivity	44400	44400	0
	Alkalinity	46	46	0

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOs/cm)	IPR1 CONC. FOUND (uMHOs/cm)	IPR2 CONC. FOUND (uMHOs/cm)	IPR3 CONC. FOUND (uMHOs/cm)	IPR4 CONC. FOUND (uMHOs/cm)	X (%)	S (%)
Conductivity	1412	1416	1424	1407	1404	100	9.07

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO3)	IPR1 CONC. FOUND (CaCO3)	IPR2 CONC. FOUND (CaCO3)	IPR3 CONC. FOUND (CaCO3)	IPR4 CONC. FOUND (CaCO3)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	2.58

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	12.28	12.21	12.27	12.25	98	0.031
Sulfate	12.5	12.28	12.28	12.28	12.34	98	0.030

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	1011	1006	1003	1010	101	3.70

Forms by ChemSW™ (707) 864-0845; p/n11082; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	0.160	0.155	0.171	0.166	0.166	103	0

Forms by ChemSW™ (707)864-0845; p/n11092; v6.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
<u>pH</u>	<u>7.00</u>	<u>7.01</u>	<u>7.01</u>	<u>7.02</u>	<u>7.02</u>	<u>100</u>	<u>0.01</u>

Forms by ChemSW™ (707)864-0846; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:33</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:44</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:58</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>18:09</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.000	4.992	5.001	5.237	5.177	102	0.124

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	5.23
Sulfate	5.00	5.76

Forms by ChemSW™(707)864-8845;p/n11092;v6.2;11/1/97

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3102920+A369

Page Numbers

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1	Cover Page
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6	Metals Duplicate RPD
7	Initial and Continuing Calibration Verification (2A)
8	Interference Check (Form 2A)
9	Blank (3)
10	Spike Sample Recovery (Form 5A)
11	Matrix Sample Duplicate (Form 6)
12	LCS Duplicate (Form 6)
13	Laboratory Control Sample (Form 7)
14	ICP Serial Dilution (9)
15	Instrument Detection Limits (Quarterly) (Form 10)
18	ICP Linear Ranges (Quarterly) (Form 12)
20	Preparation Log (Form 13)
21	Analysis Run Log (Form 14)
24	Metals Raw Data
70	TOTAL PAGES

SDG No.: 3102920

Lab Sample ID.
T20353
T20354

Comments:

Name: Blair Leftwich
Title: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (soil/water): Water

Lab Sample ID: T20353

Date Received: 10/29/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	11/03/03		0.025	P
7440-38-2	Arsenic	0.1	U	11/03/03		0.1	P
7440-39-3	Barium	0.1	U	11/03/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/03/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/03/03		0.010	P
7440-47-3	Chromium	0.025	U	11/03/03		0.025	P
7439-89-6	Iron	0.500	U	11/03/03		0.500	P
7439-92-1	Lead	0.05	U	11/03/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/05/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/03/03		0.05	P
7782-49-2	Selenium	0.025	U	11/03/03		0.025	P
7440-22-4	Silver	0.025	U	11/03/03		0.025	P
7440-28-0	Thallium	0.025	U	11/03/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/03/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (soil/water): Water

Lab Sample ID: T20353

Date Received: 10/29/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1030		11/03/03		0.5	P
7439-95-4	Magnesium	449		11/03/03		0.5	P
7440-09-7	Potassium	411		11/03/03		0.5	P
7440-23-5	Sodium	8960		11/03/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ5CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (soil/water): Water

Lab Sample ID: T20354

Date Received: 10/29/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	11/03/03		0.025	P
7440-38-2	Arsenic	0.1	U	11/03/03		0.1	P
7440-39-3	Barium	0.1	U	11/03/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/03/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/03/03		0.010	P
7440-47-3	Chromium	0.025	U	11/03/03		0.025	P
7439-89-6	Iron	0.500	U	11/03/03		0.500	P
7439-92-1	Lead	0.05	U	11/03/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/05/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/03/03		0.05	P
7782-49-2	Selenium	0.025	U	11/03/03		0.025	P
7440-22-4	Silver	0.025	U	11/03/03		0.025	P
7440-28-0	Thallium	0.025	U	11/03/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/03/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (soil/water): Water

Lab Sample ID: T20354

Date Received: 10/29/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	1010		11/03/03		0.5	P
7439-95-4	Magnesium	445		11/03/03		0.5	P
7440-09-7	Potassium	396		11/03/03		0.5	P
7440-23-5	Sodium	8760		11/03/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.025	U	0.025	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	1030		1010		2
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	449		445		1
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	411		396		4
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	8960		8760		2
Thallium	0.025	U	0.025	U	0
Vanadium	0.050	U	0.050	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration			Found	%R(1)	M
	True	Found	%R(1)	True	Found	%R(1)			
Antimony	1.00	1.01	101	1.00	0.972	97			P
Arsenic	1.00	1.04	104	1.00	1.02	102			P
Barium	1.00	0.974	97	1.00	1.02	102			P
Beryllium	1.00	0.998	100	1.00	0.983	98			P
Bismuth	1.00	1.02	102	1.00	1.03	103			P
Calcium	25	26.0	104	25	24.8	99			P
Chromium	1.00	1.01	101	1.00	1.02	102			P
Iron	1.00	0.986	99	1.00	1.01	101			P
Lead	1.00	0.973	97	1.00	0.953	95			P
Magnesium	25	25.7	103	25	24.3	97			P
Mercury	0.001	0.00108	108	0.001	0.00113	113			CV
Nickel	1.00	0.982	98	1.00	0.979	98			P
Potassium	25	24.3	97	25	23.2	93			P
Selenium	1.00	1.02	102	1.00	0.963	96			P
Silver	0.125	0.122	98	0.125	0.126	101			P
Sodium	25	25.8	103	25	25.5	102			P
Thallium	1.00	0.962	96	1.00	0.998	100			P
Vanadium	1.00	0.952	95	1.00	0.984	98			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	0.963	96
Arsenic	N/A	N/A	N/A	1.00	1.08	108
Barium	N/A	N/A	N/A	0.300	0.325	108
Beryllium	N/A	N/A	N/A	0.100	0.104	104
Cadmium	N/A	N/A	N/A	0.300	0.334	111
Cobalt	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.324	108
Iron	12.50			12.5		
Lead	N/A	N/A	N/A	1.00	1.13	113
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.321	107
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.553	111
Silver	N/A	N/A	N/A	0.300	0.335	112
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.22	122
Vanadium	N/A	N/A	N/A	0.300	0.342	114

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.

3

BLANKS

Lab Name: TraceAnalysis, Inc.SDG No.: 3102920

Preparation Blank Matrix (soil/water):

Water

Preparation Blank Concentration Units (mg/L or mg/kg):

mg/L

Analyte	Initial Calib. Blank (mg/L)	C	Continuing Calibration Blank (mg/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ5CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.36	0.025	U 1.25	109		P
Arsenic	75-125	2.60	0.1	U 2.5	104		P
Barium	75-125	6.14	0.1	U 5.0	123		P
Beryllium	75-125	0.115	0.010	U 0.125	92		P
Cadmium	75-125	1.28	0.010	U 1.25	102		P
Calcium	75-125	1620	1030	500	118		P
Chromium	75-125	0.523	0.025	U 0.500	105		P
Iron	75-125	2.73	0.5	U 2.5	109		P
Lead	75-125	2.82	0.05	U 2.5	113		P
Magnesium	75-125	978	449	500	106		P
Mercury	75-125	0.00105	0.0002	U 0.001	105		CV
Nickel	75-125	1.22	0.05	U 1.25	98		P
Potassium	75-125	889	411	500	96		P
Selenium	75-125	2.70	0.025	U 2.5	108		P
Silver	75-125	0.830	0.025	U 0.625	133	N	P
Sodium	75-125	10500	8960	500	308	N	P
Thallium	75-125	2.39	0.025	U 2.5	96		P
Vanadium	75-125	1.33	0.050	U 1.25	106		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ5CR17N7

SDG No.: 3102920

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	1.36		1.33		2		P
Arsenic	25	2.60		2.52		3		P
Barium	25	6.14		6.17		0		P
Beryllium	25	0.115		0.115		0		P
Cadmium	25	1.28		1.29		1		P
Calcium	25	1620		1550		4		P
Chromium	25	0.523		0.523		0		P
Iron	25	2.73		2.31		17		P
Lead	25	2.82		3.00		6		P
Magnesium	25	978		933		5		P
Mercury	25	0.00105		0.00105		0		CV
Nickel	25	1.22		1.22		0		P
Potassium	25	889		894		1		P
Selenium	25	2.70		2.53		7		P
Silver	25	0.830		0.827		0		P
Sodium	25	10500		9960		5		P
Thallium	25	2.39		2.15		11		P
Vanadium	25	1.33		1.330		0		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ5CR17N7

SDG No.: 3102920

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.220		0.227		3		P
Arsenic	25	0.496		0.472		5		P
Barium	25	1.01		0.997		1		P
Beryllium	25	0.0232		0.0212		9		P
Cadmium	25	0.237		0.236		0		P
Calcium	25	101		102		1		P
Chromium	25	0.0960		0.0950		1		P
Iron	25	0.455		0.506		11		P
Lead	25	0.496		0.490		1		P
Magnesium	25	98.8		102		3		P
Mercury	25	0.0011		0.0011		0		CV
Nickel	25	0.212		0.215		1		P
Potassium	25	99.2		99.8		1		P
Selenium	25	0.489		0.454		7		P
Silver	25	0.122		0.117		4		P
Sodium	25	106		104		2		P
Thallium	25	0.517		0.551		6		P
Vanadium	25	0.251		0.250		0		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Solid LCS Source: _____

Aqueous LCS Source: ME082802-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	0.25	0.220	88					
Arsenic	0.50	0.496	99					
Barium	1.00	1.01	101					
Beryllium	0.025	0.0232	93					
Cadmium	0.25	0.237	95					
Calcium	100	101	101					
Chromium	0.10	0.0960	96					
Iron	0.50	0.455	91					
Lead	0.50	0.496	99					
Magnesium	100	98.8	99					
Mercury	0.001	0.0011	110					
Nickel	0.25	0.212	85					
Potassium	100	99.2	99					
Selenium	0.50	0.489	98					
Silver	0.125	0.122	98					
Sodium	100	106	106					
Thallium	0.50	0.517	103					
Vanadium	0.25	0.251	100					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3102920

Page Numbers

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11	Water Volatile LCS/LCSD Recovery (Form 3A)
12	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
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14	Volatile Organic Instrument Performance Check (Form 5A)
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1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20341

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 0701007.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 10/31/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N1D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20342

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1001010.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 10/31/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20343

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1101011.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 11/01/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1-----	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97
OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20344

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1201012.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 11/01/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N3

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20345

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1301013.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 10/31/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride	1.00	U	
74-83-9	Bromomethane	5.00	U	
75-69-4	Trichlorofluoromethane	1.00	U	
78-93-3	2-Butanone	5.00	U	
75-35-4	1,1-Dichloroethene	1.00	U	
75-09-2	Methylene Chloride	5.00	U	
75-34-3	1,1-Dichloroethane	1.00	U	
540-59-0	cis-1,2-Dichloroethene	1.00	U	
540-59-0	trans-1,2-Dichloroethene	1.00	U	
107-06-2	1,2-Dichloroethane	1.00	U	
67-66-3	Chloroform	1.00	U	
71-55-6	1,1,1-Trichloroethane	1.00	U	
56-23-5	Carbon Tetrachloride	1.00	U	
79-01-6	Trichloroethene	1.00	U	
108-88-3	Toluene	1.00	U	
79-00-5	1,1,2-Trichloroethane	1.00	U	
127-18-4	Tetrachloroethene	1.00	U	
108-90-7	Chlorobenzene	1.00	U	
108-38-3, 106-42-3	m&p-Xylene	1.00	U	
94-47-6	o-Xylene	1.00	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N3D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20346

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1401014.D

GC Column: DB-624 60m

Date Received: 10/29/03

Dilution Factor: 1

Date Analyzed: 11/01/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3102920

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3102920

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3102920

COMPOUND	Conc ug/L Q		Conc ug/L Q		RPD
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	101	90	96		0
02	LCS	102	96	95		0
03	LCSD	103	92	95		0
04	T20341	101	89	99		0
05	MS	101	89	99		0
06	MSD	99	93	99		0
07	T20342	99	90	101		0
08	T20343	99	90	99		0
09	T20344	99	90	100		0
10	T20345	102	89	102		0
11	T20346	103	89	100		0
12	CCV	104	97	93		0

SMC1 (TOL) = Toluene-d8
SMC2 (BFM) = 4-Bromofluoromethane
SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS
(70-130)
(70-130)
(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	96	96		70-130
Trichloroethene	100	0	100	100		70-130
Benzene	100	0	99	99		70-130
Toluene	100	0	99	99		70-130
Chlorobenzene	100	0	101	101		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	98	98		2		14	70-130
Trichloroethene	100	103	103		3		13	70-130
Benzene	100	102	102		3		14	70-130
Toluene	100	102	102		3		13	70-130
Chlorobenzene	100	103	103		2		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERYLab Name: TraceAnalysis, Inc.SDG No.: 3102920Matrix Spike - WIPP Sample No.: WQ5CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	99	99		70-130
Trichloroethene	100	0	100	100		70-130
Benzene	100	0	100	100		70-130
Toluene	100	0	101	101		70-130
Chlorobenzene	100	0	104	104		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	99	99		0		14	70-130
Trichloroethene	100	100	100		0		13	70-130
Benzene	100	100	100		0		14	70-130
Toluene	100	102	102		1		13	70-130
Chlorobenzene	100	104	104		0		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

 RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ5CR16N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID: 0601006.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 10/31/03

Time Analyzed: 21:02

J&W Scientific
GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	0301003.D	19:11
02	LCSD	LCSD	0401004.D	19:48
03	WQ5CR17N1	T20341	0701007.D	21:39
04	MS	MS	0801008.D	22:16
05	MSD	MSD	0901009.D	23:06
06	WQ5CR17N1D	T20342	1001010.D	23:42
07	WQ5CR17N2	T20343	1101011.D	12:19
08	WQ5CR17N2D	T20344	1201012.D	12:56
09	WQ5CR17N3	T20345	1301013.D	01:34
10	WQ5CR17N3D	T20346	1401014.D	02:11
11	CCV	CCV	0201002.D	18:34

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID: 0101001.D

BFB Injection Date: 10/31/03

Instrument ID: NV

BFB Injection Time: 18:18

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.5
75	30.0 - 66.0% of mass 95	44.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0
174	50.0 - 120.0% of mass 95	83.7
175	4.0 - 9.0% of mass 174	7.2
176	93.0 - 101.0% of mass 174	97.9
177	5.0 - 9.0% of mass 176	6.6

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	0201002.D	10/31/03	18:34
02	Blank	Blank	0601006.D	10/31/03	21:02
03	LCS	LCS	0301003.D	10/31/03	19:11
04	LCSD	LCSD	0401004.D	10/31/03	19:48
05	WQ5CR17N1	T20341	0701007.D	10/31/03	21:39
06	MS	MS	0801008.D	10/31/03	22:16
07	MSD	MSD	0901009.D	10/31/03	23:06
08	WQ5CR17N1D	T20342	1001010.D	10/31/03	23:42
09	WQ5CR17N2	T20343	1101011.D	11/01/03	12:19
10	WQ5CR17N2D	T20344	1201012.D	11/01/03	12:56
11	WQ5CR17N3	T20345	1301013.D	11/01/03	01:34
12	WQ5CR17N3D	T20346	1401014.D	11/01/03	02:11

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATALab Name: TraceAnalysis, Inc.SDG No.: 3102920Instrument ID: NVCalibration Date(s): 10/21/03Heated Purge:(Y/N) NCalibration Times: 15:25GC Column: J&W ScientificDB-624 60mID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
 RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
 RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.475	0.524	0.514	0.500	0.472	0.472	0.492	4.31
Trichlorofluoromethane	0.689	0.715	0.704	0.711	0.684	0.689	0.698	1.69
1,1-Dichloroethene	0.388	0.392	0.402	0.447	0.441	0.437	0.421	6.17
Methylene Chloride			0.653	0.530	0.516	0.511	0.546	10.96
1,1-Dichloroethane	0.805	0.817	0.821	0.905	0.903	0.896	0.866	5.62
1,2-Dichloroethane	0.566	0.581	0.579	0.637	0.611	0.598	0.596	3.96
Chloroform	0.791	0.756	0.761	0.825	0.805	0.805	0.793	3.24
1,1,1-Trichloroethane	0.605	0.609	0.627	0.693	0.685	0.686	0.658	6.47
Carbon Tetrachloride	0.319	0.320	0.328	0.369	0.356	0.339	0.338	5.55
Trichloroethene	0.275	0.278	0.279	0.307	0.306	0.302	0.292	4.86
Toluene	1.310	1.242	1.218	1.328	1.343	1.310	1.294	3.57
1,1,2-Trichloroethane	0.240	0.243	0.245	0.268	0.261	0.260	0.254	4.30
Tetrachloroethene	0.307	0.364	0.377	0.374	0.414	0.471	0.390	13.37
Chlorobenzene	0.879	0.861	0.859	0.921	0.905	0.882	0.886	2.56
m&p-Xylene	0.971	1.085	1.109	1.251	1.189	1.150	1.127	7.78
o-Xylene	0.921	1.079	1.141	1.301	1.234	1.185	1.147	10.60
1,1,2,2-Tetrachloroethane	0.315	0.334	0.344	0.399	0.385	0.386	0.364	9.00
1,4-Dichlorobenzene	1.259	1.159	1.148	1.246	1.240	1.232	1.217	3.65
1,2-Dichlorobenzene	0.921	1.067	1.108	1.222	1.219	1.201	1.136	9.90
Toluene-d8	1.294	1.340	1.325	1.286	1.292	1.302	1.304	1.56
4-Bromofluorobenzene	0.459	0.462	0.471	0.490	0.492	0.486	0.478	2.84
Dibromofluoromethane	0.455	0.458	0.459	0.457	0.450	0.456	0.455	0.65

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Instrument ID: NV

Calibration Date(s): 3/27/02

Heated Purge:(Y/N) N

Calibration Times: 0:37

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3102920Instrument ID: NV Calibration Date: 10/31/03Lab File ID: 0201002.D Init. Calib. Date(s): 10/21/03Heated Purge: (Y/N) N Init. Calib. Times: 15:25GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.492	0.452	0.100	8.1	25.0
Trichlorofluoromethane	0.698	0.612		12.3	
1,1-Dichloroethene (CM)	0.421	0.386	0.100	8.3	25.0
Methylene Chloride	0.546	0.429		21.4	
Dichloroethane (P)	0.866	0.789	0.200	8.9	25.0
cis-1,2-Dichloroethene	0.481	0.445		7.5	
1,2-Dichloroethane	0.596	0.514	0.100	13.8	25.0
Chloroform	0.793	0.693	0.200	12.6	25.0
1,1,1-Trichloroethane	0.658	0.584	0.100	11.2	25.0
Carbon Tetrachloride	0.338	0.267	0.100	21.0	25.0
Trichloroethene	0.292	0.277	0.300	5.1	25.0
Toluene	1.294	1.198	0.400	7.4	25.0
1,1,2-Trichloroethane	0.254	0.236	0.100	7.1	25.0
Tetrachloroethene	0.390	0.310	0.200	20.5	25.0
Chlorobenzene	0.886	0.837	0.500	5.5	25.0
m,p-Xylene	1.127	1.116		1.0	
o-Xylene	1.147	1.151		-0.3	
1,1,2,2-Tetrachloroethane	0.364	0.324	0.500	11.0	25.0
1,4-Dichlorobenzene	1.217	1.122		7.8	
1,2-Dichlorobenzene	1.136	1.088		4.2	
Toluene-d8	1.304	1.361		-4.4	
4-Bromofluorobenzene	0.478	0.466	0.200	2.5	25.0
Dibromofluoromethane	0.455	0.423	0.100	7.0	25.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Instrument ID: NV Calibration Date: 10/31/03

Lab File ID: 0501005.D Init. Calib. Date(s): 03/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 0:37

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.021	0.010	4.5	25.0
Toluene-d8					
4-Bromofluorobenzene			0.200		25.0
Dibromofluoromethane			0.100		25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID (Standard): 0201002.D

Date Analyzed: 10/31/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 18:34

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	975356	10.77	1449885	11.77	1268009	15.78	647219	19.20
UPPER LIMIT	1950712	11.27	2899770	12.27	2536018	16.28	1294438	19.70
LOWER LIMIT	487678	10.27	724943	11.27	634005	15.30	323610	18.72
LAB SAMPLE NO.								
METHOD BLK	771457	10.77	1257409	11.77	1095594	15.78	478403	19.20
LCS	900794	10.77	1347289	11.77	1170277	15.78	573143	19.20
LCSD	916641	10.77	1360878	11.77	1187262	15.78	547911	19.20
T20341	816196	10.77	1244600	11.77	1089850	15.78	486042	19.20
MS	819495	10.77	1261490	11.77	1099092	15.78	498193	19.20
MSD	798115	10.77	1229474	11.77	1101538	15.78	500741	19.22
T20342	764161	10.77	1169010	11.77	1053842	15.79	474579	19.21
T20345	742940	10.77	1140731	11.78	985613	15.78	424559	19.22
T20346	738233	10.77	1137513	11.78	975681	15.78	433237	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID (Standard): 0501005.D

Date Analyzed: 10/31/03

Instrument ID: NV

Time Analyzed: 20:25

J&W Scientific

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	857075	10.77	1292011	11.77	1106307	15.78	525965	19.20
UPPER LIMIT	1714150	11.27	2584022	12.27	2212614	16.28	1051930	19.70
LOWER LIMIT	428538	10.27	646006	11.27	553154	15.30	262983	18.72
LAB SAMPLE NO.								
METHOD BLK	771457	10.77	1257409	11.77	1095594	15.78	478403	19.20
T20343	754280	10.77	1156450	11.77	1027568	15.79	451903	19.20
T20344	748733	10.77	1136692	11.77	1017906	15.78	446656	19.20

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3102920

Page Numbers

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3	Water Semivolatile Surrogate Recovery (Form 2C)
4	Water Semivolatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3C)
5	Water Semivolatile LCS/LCSD Recovery (Form 3C)
6	Semivolatile Method Blank Summary (Form 4B)
7	Semivolatile Organic Instrument Performance Check (Form 5B)
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9	Semivolatile Continuing Calibration Check (Form 7B)
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11	Semivolatile Internal Standard Area and RT Summary (Form 8C)
12	Semivolatile Raw Data
113	TOTAL PAGES

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N6

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20351

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 0601006.D

% Moisture: NA decanted: (Y/N) N

Date Received: 10/29/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/30/03

Injection Volume: 1.0 (uL)

Date Analyzed: 11/04/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Q

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845; p/n11013; v3.2; 11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ5CR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix: (soil/water) Water

Lab Sample ID: T20352

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 0901009.D

% Moisture: NA decanted:(Y/N) N

Date Received: 10/29/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/30/03

Injection Volume: 1.0 (uL)

Date Analyzed: 11/04/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
---------	----------	---	------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	46	47	47	2	9	20 *	1
02	LCS	60	59	72	28	38	74	0
	LCSD	60	60	71	29	39	71	0
	T20351	59	59	60	19	32	67	0
05	MS	52	52	70	16	24	71	0
06	MSD	53	51	70	16	25	70	0
07	T20352	58	57	57	18	31	65	0

S1 (NBZ) = Nitrobenzene-d5
S2 (FBP) = 2-Fluorobiphenyl
S3 (TPH) = Terphenyl-d14
S4 (PHL) = Phenol-d5
S5 (2FP) = 2-Fluorophenol
S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
(7-138)
(15-135)
(45-162)
(0-67.6)
(0-94)
(45-152)

Column to be used to flag recovery values

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix Spike - WIPP Sample No.: MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Pyridine	80000	0	11800	15		D-63
1,4-Dichlorobenzene	80000	0	58000	73		25-88
1,2-Dichlorobenzene	80000	0	62100	78		26-115
2-Methylphenol	80000	0	41000	51		19-91
4-Methylphenol/3-Methylphenol	80000	0	38000	48		22-119
Hexachloroethane	80000	0	56200	70		20-101
Nitrobenzene	80000	0	60000	75		18-150
2,4-Dinitrophenol	80000	0	66500	83		12-145
2,4-Dinitrotoluene	80000	0	84000	105		25-130
Hexachlorobenzene	80000	0	93000	116		D-152
Pentachlorophenol	80000	0	81700	102		D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	11500	14		7		20	D-63
1,4-Dichlorobenzene	80000	58500	73		0		20	25-88
1,2-Dichlorobenzene	80000	61700	77		1		20	26-115
2-Methylphenol	80000	41100	51		0		20	19-91
4-Methylphenol/3-Methylphenol	80000	36900	46		4		20	22-119
Hexachloroethane	80000	56000	70		0		20	20-101
Nitrobenzene	80000	60200	75		0		20	18-150
2,4-Dinitrophenol	80000	63900	80		4		20	12-145
2,4-Dinitrotoluene	80000	82700	103		2		20	25-130
Hexachlorobenzene	80000	94100	118		2		20	D-152
Pentachlorophenol	80000	81600	102		0		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

REMARKS: _____

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC	QC. LIMITS REC.
Pyridine	80000	0	20200	25	D-63
1,4-Dichlorobenzene	80000	0	66800	84	25-88
1,2-Dichlorobenzene	80000	0	70400	88	26-115
2-Methylphenol	80000	0	52400	66	19-91
4-Methylphenol/3-Methylphenol	80000	0	50100	63	22-119
Hexachloroethane	80000	0	65800	82	20-101
Nitrobenzene	80000	0	68400	86	18-150
2,4-Dinitrophenol	80000	0	64400	81	12-145
2,4-Dinitrotoluene	80000	0	89000	111	25-130
Hexachlorobenzene	80000	0	95800	120	D-152
Pentachlorophenol	80000	0	82400	103	D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS REC.
Pyridine	80000	20500	26	4	D-63
1,4-Dichlorobenzene	80000	67500	84	0	25-88
1,2-Dichlorobenzene	80000	71400	89	1	26-115
2-Methylphenol	80000	55200	69	4	19-91
4-Methylphenol/3-Methylphenol	80000	53500	67	6	22-119
Hexachloroethane	80000	66500	83	1	20-101
Nitrobenzene	80000	68400	86	0	18-150
2,4-Dinitrophenol	80000	63400	79	3	12-145
2,4-Dinitrotoluene	80000	84000	105	6	25-130
Hexachlorobenzene	80000	98300	123	2	D-152
Pentachlorophenol	80000	84600	106	3	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

MMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID: 0301003.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 10/30/03

Matrix: (soil/water) Water

Date Analyzed: 11/04/03

Time Analyzed: 17:55

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	0401004.D	11/04/03
02	LCSD	LCSD	0501005.D	11/04/03
03	WQ5CR17N6	T20351	0601006.D	11/04/03
04	WQ5CR17N6MS	MS	0701007.D	11/04/03
05	WQ5CR17N6MSD	MSD	0801008.D	11/04/03
06	WQ5CR17N6D	T20352	0901009.D	11/04/03

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID: 0102002.D

DFTPP Injection Date: 11/04/03

Instrument ID: NS

DFTPP Injection Time: 16:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.3
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	45.0
70	Less than 2.0% of mass 69	0.6
127	25.0 - 75.0% of mass 198	44.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	28.4
365	Greater than 0.75% of mass 198	4.0
441	Present, but less than mass 443	72.0
442	40.0 - 110.0% of mass 198	81.6
443	15.0 - 24.0% of mass 442	19.5

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0201002.D	11/04/03	17:20
02	METHOD BLANK	METHOD BLANK	0301003.D	11/04/03	17:55
03	LCS	LCS	0401004.D	11/04/03	18:30
04	LCSD	LCSD	0501005.D	11/04/03	19:05
05	WQ5CR17N6	T20351	0601006.D	11/04/03	19:39
06	WQ5CR17N6MS	MS	0701007.D	11/04/03	20:14
07	WQ5CR17N6MSD	MSD	0801008.D	11/04/03	20:49
08	WQ5CR17N6D	T20352	0901009.D	11/04/03	21:24

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Instrument ID: NS Calibration Date(s) 10/29/03

Calibration Times: 21:28

LAB FILE ID:		RRF5 = 0201004.D		RRF20 = 0301005.D				
RRF40 = 0401006.D		RRF60= 0501007.D		RRF80= 0601008.D				
RRF100 = 0701009.D								
COMPOUND	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	* 1.134	1.294	1.327	1.347	1.316	1.324	1.290	6.08
1,4-Dichlorobenzene	* 1.544	1.586	1.581	1.636	1.615	1.641	1.601	2.33
1,2-Dichlorobenzene	* 1.325	1.408	1.368	1.434	1.412	1.424	1.395	2.93
2-Methylphenol	* 1.133	1.364	1.318	1.374	1.392	1.422	1.334	7.82
4-Methylphenol	* 1.113	1.449	1.423	1.535	1.616	1.660	1.466	13.37
Hexachloroethane	* 0.552	0.589	0.572	0.592	0.578	0.592	0.579	2.65
Nitrobenzene	* 0.408	0.453	0.471	0.481	0.479	0.474	0.461	6.02
2,4-Dinitrophenol		0.190	0.283	0.294	0.290	0.300	0.272	16.89
2,4-Dinitrotoluene	* 0.343	0.464	0.516	0.489	0.463	0.461	0.456	13.01
Hexachlorobenzene	* 0.271	0.297	0.299	0.337	0.351	0.352	0.318	10.59
Pentachlorophenol	*	0.195	0.230	0.255	0.269	0.287	0.247	14.45
Nitrobenzene-d5		0.424	0.553	0.581	0.602	0.600	0.595	12.27
2-Fluorobiphenyl	* 1.883	1.889	1.878	1.923	1.913	1.974	1.910	1.88
Terphenyl-d14	* 1.108	1.269	1.330	1.452	1.458	1.447	1.344	10.37
Phenol-d5	* 1.618	1.885	1.863	1.917	1.943	1.953	1.863	6.71
2-Fluorophenol	* 1.240	1.484	1.488	1.522	1.489	1.484	1.451	7.20
2,4,6-Tribromophenol		0.275	0.342	0.389	0.396	0.381	0.391	13.00

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Instrument ID: NS Calibration Date: 11/04/03 17:20

Lab File ID: 0201002.D Init. Calib. Date(s): 10/29/03

Init. Calib. Times: 21:22

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.290	1.247		3.3	
1,4-Dichlorobenzene	1.600	1.640	0.500	-2.5	25.0
1,2-Dichlorobenzene	1.395	1.413		-1.3	
2-Methylphenol	1.333	1.381	0.700	-3.6	25.0
4-Methylphenol	1.466	1.558	0.600	-6.3	25.0
Hexachloroethane	0.579	0.569	0.300	1.7	25.0
Nitrobenzene	0.461	0.451	0.200	2.2	25.0
2,4-Dinitrophenol	0.240	0.298		-24.2	
2,4-Dinitrotoluene	0.456	0.494	0.200	-8.3	25.0
Hexachlorobenzene	0.318	0.338	0.100	-6.3	25.0
Pentachlorophenol	0.229	0.269	0.050	-17.5	25.0
Nitrobenzene-d5	0.559	0.566	0.200	-1.3	25.0
2-Fluorobiphenyl	1.910	1.875	0.700	1.8	25.0
Terphenyl-d14	1.344	1.377	0.500	-2.5	25.0
Phenol-d6	1.863	1.896	0.800	-1.8	25.0
2-Fluorophenol	1.451	1.499	0.600	-3.3	25.0
2,4,6-Tribromophenol	0.362	0.415		-14.6	25.0

All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID (Standard): 0201002.D

Date Analyzed: 11/04/03

Instrument ID: NS

Time Analyzed: 17:20

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR ST	1201453	9.60	3893611	12.06	2656575	14.99
UPPER LIMIT	2402906	10.10	7787222	12.56	5313150	15.49
LOWER LIMIT	600727	9.10	1946806	11.56	1328288	14.49
SAMPLE NO.						
01 method blank	1226447	9.59	3771863	12.05	1988008	14.99
02 lcs	901608	9.60	2923847	12.06	1994111	14.99
03 lcsd	827539	9.60	2839117	12.06	2004003	14.99
04 T20351	984457	9.59	3187614	12.05	2002779	14.98
05 MS	838848	9.60	2811470	12.06	1934971	14.99
06 MSD	834445	9.59	2732376	12.05	1941782	14.99
07 T20352	1127953	9.59	3514201	12.05	1980180	14.98

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3102920

Lab File ID (Standard): 0201002.D

Date Analyzed: 11/04/03

Instrument ID: NS

Time Analyzed: 17:20

	IS4 (PHN)			IS5 (CRY)		IS6 (PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12 HOUR ST	5151353	17.05	4895463	20.55	4204659	23.20	
UPPER LIMIT	10302706	17.55	9790926	21.05	8409318	23.70	
LOWER LIMIT	2575677	16.55	2447732	20.05	2102330	22.70	
SAMPLE NO.							
01 method blank	4129026	17.03	3944469	20.53	3355053	23.18	
02 lcs	3703077	17.04	3731958	20.55	3174423	23.20	
03 lcsd	3475926	17.04	3572448	20.54	3038498	23.19	
04 T20351	4077510	17.04	3918515	20.53	3326628	23.18	
05 MS	3503311	17.04	3564554	20.54	3056422	23.19	
06 MSD	3443548	17.04	3492748	20.54	2969175	23.19	
07 T20352	4127573	17.03	4045672	20.53	3437334	23.18	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3102920

Page Numbers

<u>From</u>	<u>Document Description</u>
1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES

REQUEST FOR ANALYSIS

310d420

RFA Control No. 5466C of C Control No. 5466

WASTE ISOLATION PILOT PLANT *BF 10/29/03*
 WESTINGHOUSE ELECTRIC CORP. *WRES*
 P.O. BOX 2078
 CARLSBAD, NM 88221-2078

DATE SAMPLES SHIPPED 10/29/03LAB DESTINATION Trace AnalysisLABORATORY CONTACT James TaylorSEND LAB REPORT TO Mark EdwardsP.O. Box 2078Carlsbad, N.M., 88221DATE REPORT REQUIRED 11/29/03PROJECT CONTACT Ron RichardsonPROJECT CONTACT PHONE NO. (505) 234-8395SAMPLING PROGRAM WIPP/DMPPURCHASE ORDER NO. 3230

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
WQ5CR17N1	Ground Water	40 ml. x 4	HCL pH2	VOC	Method 8260
WQ5CR17N1D	↑	40 ml. x 4	↑	VOC	↑
WQ5CR17N2		40 ml. x 2		VOC (other)	
WQ5CR17N2D		40 ml. x 2		VOC (other)	
WQ5CR17N3		40 ml. x 4	V	VOC Trip Blank	↓
WQ5CR17N3D		40 ml. x 4	HCL pH2	VOC Trip Blank	Method 8260
WQ5CR17N4		500 ml. x 1	H2SO4 pH2	TOX	Method 9020B
WQ5CR17N4D		500 ml. x 1	H2SO4 pH2	TOX	Method 9020B
WQ5CR17N5		250 ml. x 1	HCL pH2	TOC	Method 415.1
WQ5CR17N5D		250 ml. x 1	HCL pH2	TOC	Method 415.1
WQ5CR17N6		1 liter x 6	NONE	Semi-Volatiles	Method 8270
WQ5CR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270
WQ5CR17N7	Ground Water	1 liter x 1	HNO3 pH2	Metals	Method 6010

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY J. L. BessleyDATE/TIME 10-29-03 12:15

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

40 carry dr

SECTION V
Page 1

5102922

6467

C of C Control No. 467



BF 10/29/03

10/29/03

Trace Analysis

James Taylor

Mark Edwards

P.O. Box 2078

Carlsbad, N. M. 88221

11/29/03

RED 6/2/02
Ron Richardson

NO. (505) 234-8395

WIIP/DMP

3230

[illegible]

X

____ (Subject to rush surcharge)
High levels of hazardous waste

HAZARD

OTHER X

Case Report

RECEIVED BY

DATE/TIME 10-29-03 12:15

1 Camp In 40

YELLOW - Field Copy

PINK - Other

Page 2 of 2

BF 10/29/03



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

C of C Control No. 6466
RFA Control No. 6466

SAMPLING PROGRAM WIPP/AMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ5CR17N1	WQSP-5, Culebra	10/29/03 06:45-06:50	Ground Water	40 ml. A-glass X4	good 20341	
WQ5CR17N1D	↑	06:50-06:55	↑	40 ml. A-glass X4	42	
WQ5CR17N2	↑	06:55-07:00	↑	40 ml. A-glass X2	43	
WQ5CR17N2D	↑	07:00-07:05	↑	40 ml. A-glass X2	44	
WQ5CR17N3	↑	06:55-06:40	↑	40 ml. A-glass X4	45	
WQ5CR17N3D	↑	06:40-06:45	↑	40 ml. A-glass X4	46	
WQ5CR17N4	↑	07:05-07:10	↑	500 ml. B-glass X1	47	
WQ5CR17N4D	↑	07:10-07:15	↑	500 ml. A-glass X1	48	
WQ5CR17N5	↑	07:15-07:20	↑	250 ml. A-glass X1	49	
WQ5CR17N5D	↑	07:20-07:25	↑	250 ml. A-glass X1	50	
WQ5CR17N6	↑	07:25-07:30	↑	1 liter A-glass X6	51	
WQ5CR17N6D	↓	07:30-07:35	↓	1 liter A-glass X2	52	
WQ5CR17N7	WQSP-5, Culebra	10/29/03 07:35-07:40	Ground Water	1 liter plastic X1	53	

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 10/29/03, 08:15

3. Relinquished By: _____

Received By: Ron Richardson, WRES, 10-29-03, 08:15 PM

Received By: _____

2. Relinquished By: Ron Richardson, WRES, 10-29-03, 12:15 PM

4. Relinquished By: _____

Received By: Wick Kinley 10-29-03 12:15

Received By: _____

Carry 40



BE 10/29/03

C of C Control No. 6467

RFA Control No. 6467

WIIPP / AMP

LAB DESTINATION

Trace Analysis

SAMPLE TEAM MEMBERS

B. Foster, M. Balderrama

CARRIERWAYBILL NO.

NA

[illegible]

NONE

NONE

1. Relinquished By: Bill Foster, WRES, 10/29/03 08:15 3. Relinquished By:

Received By:

4. Relinquished By

Received By:

WP 02-EM3001

carry de 40

WHITE - Original, to accompany samples

YELLOW - Field Copy

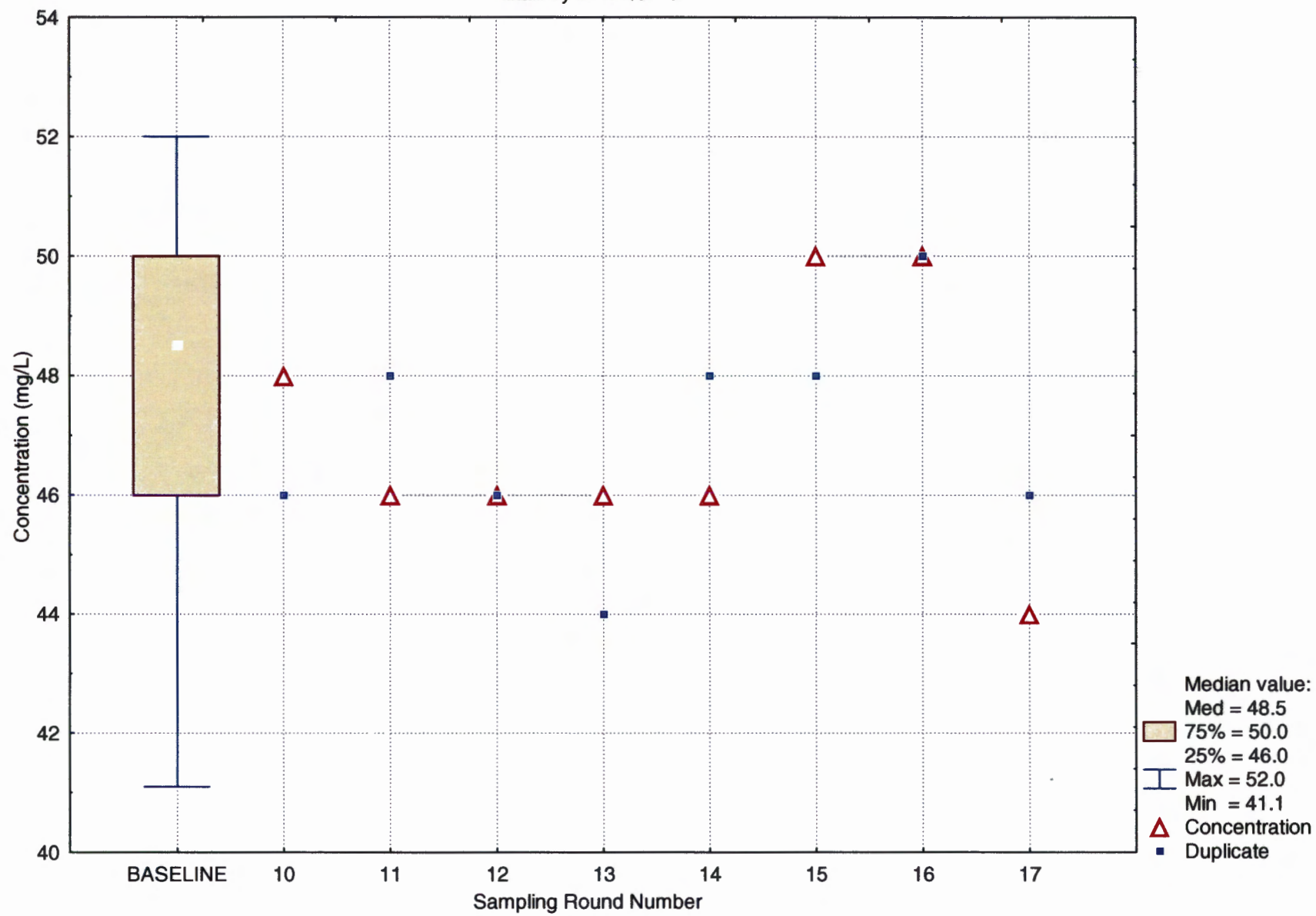
PINK - Other

Page 4 SECTION V

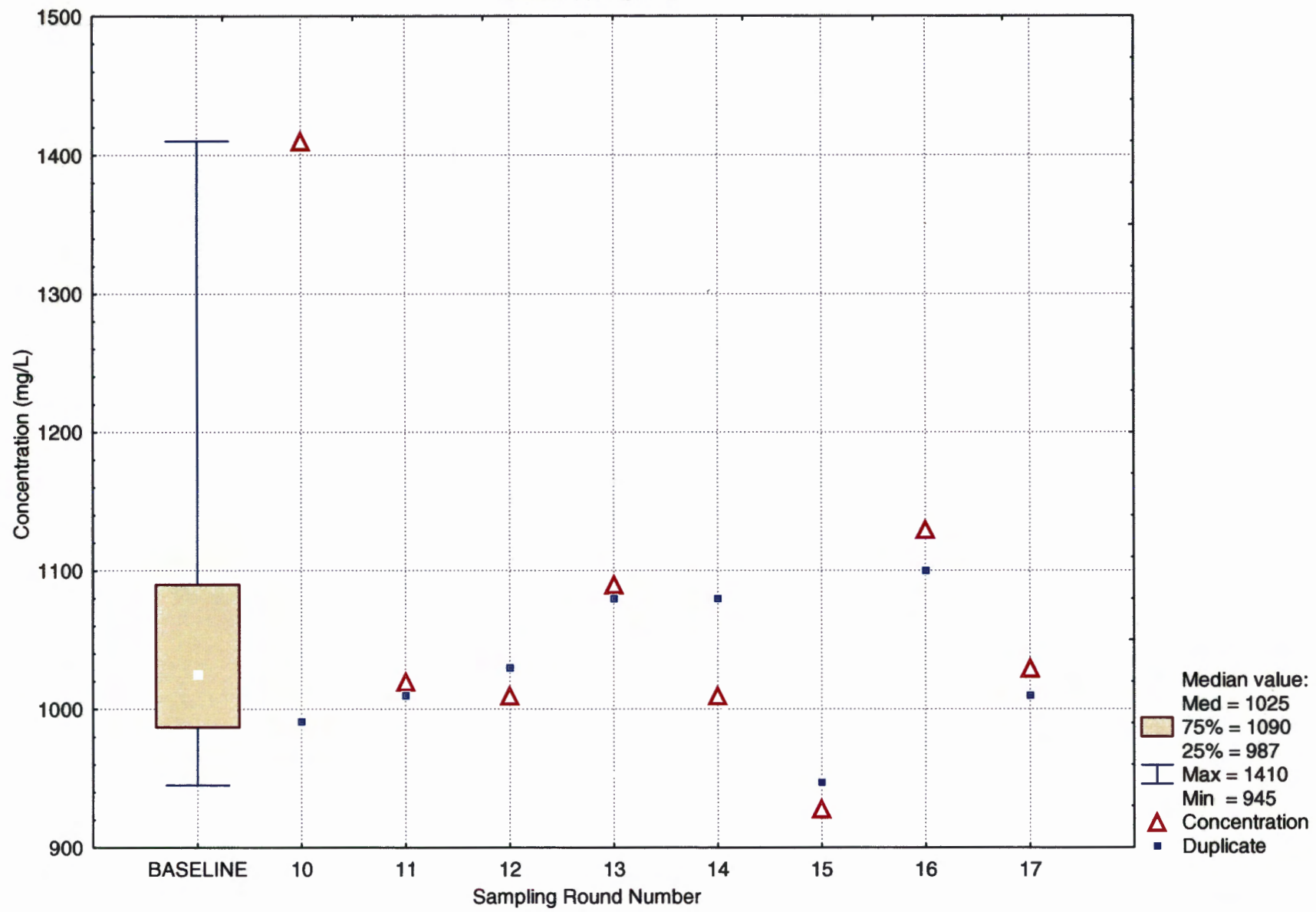
WELL WQSP-5

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

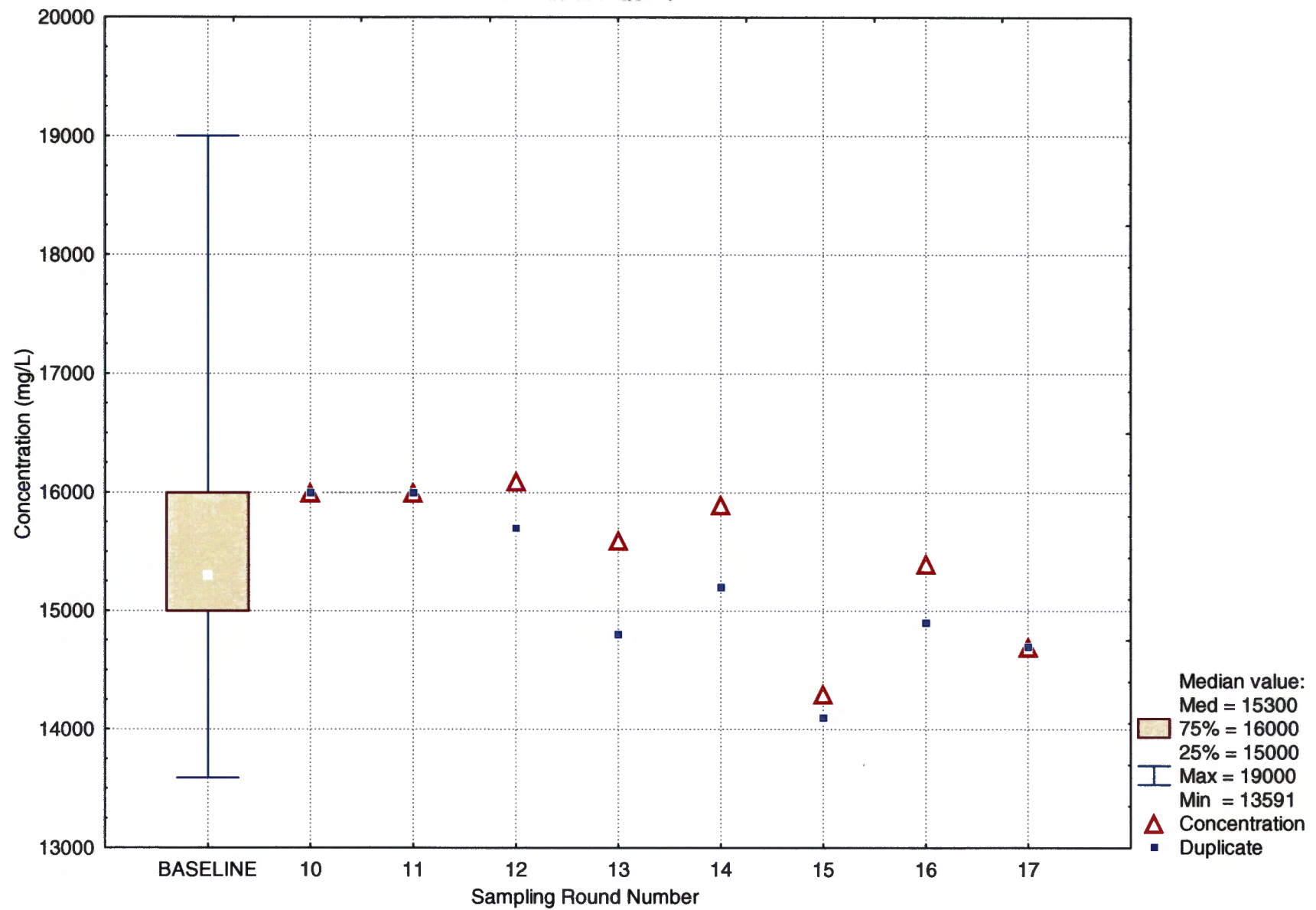
Alkalinity at WQSP-5



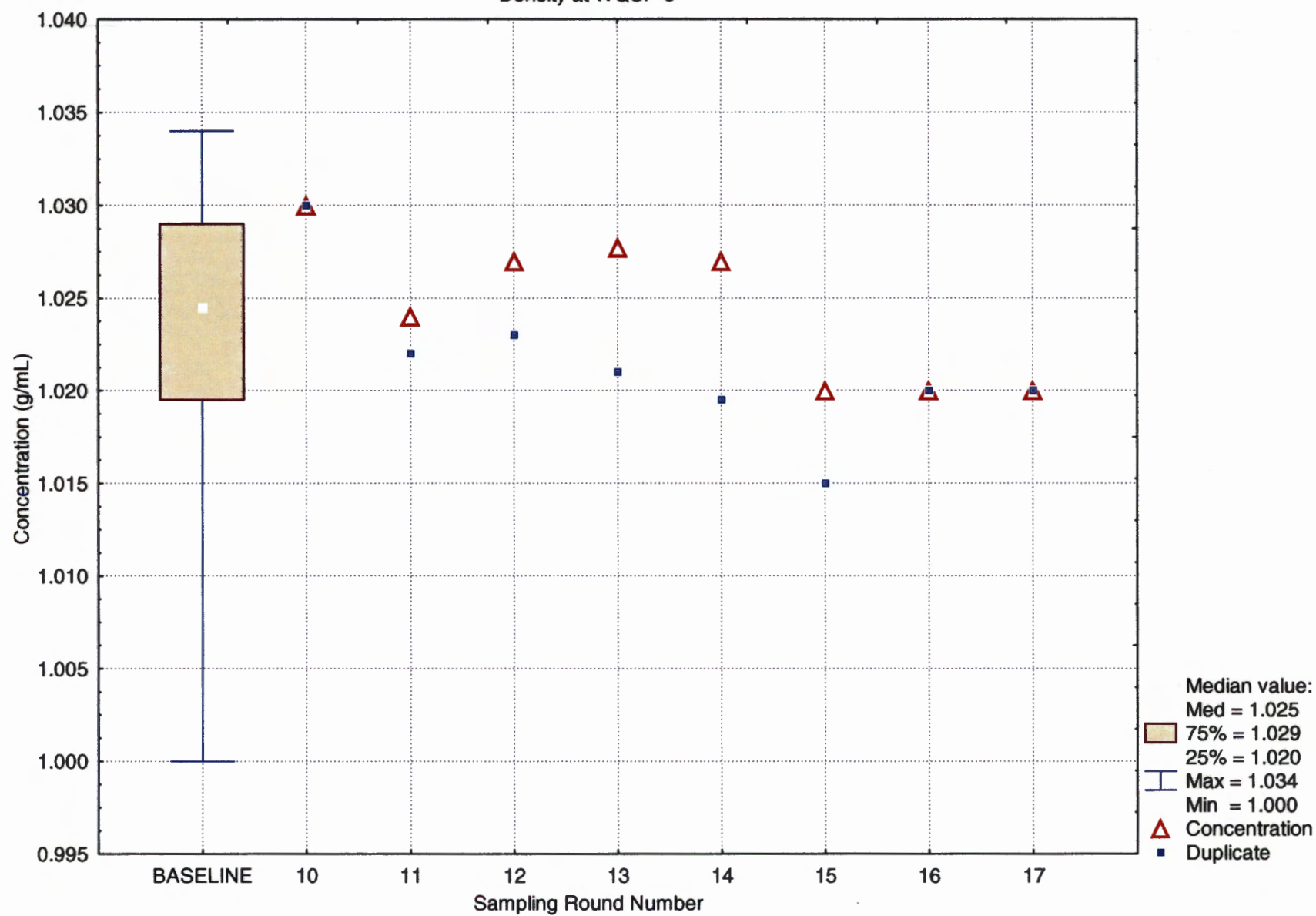
Calcium at WQSP-5



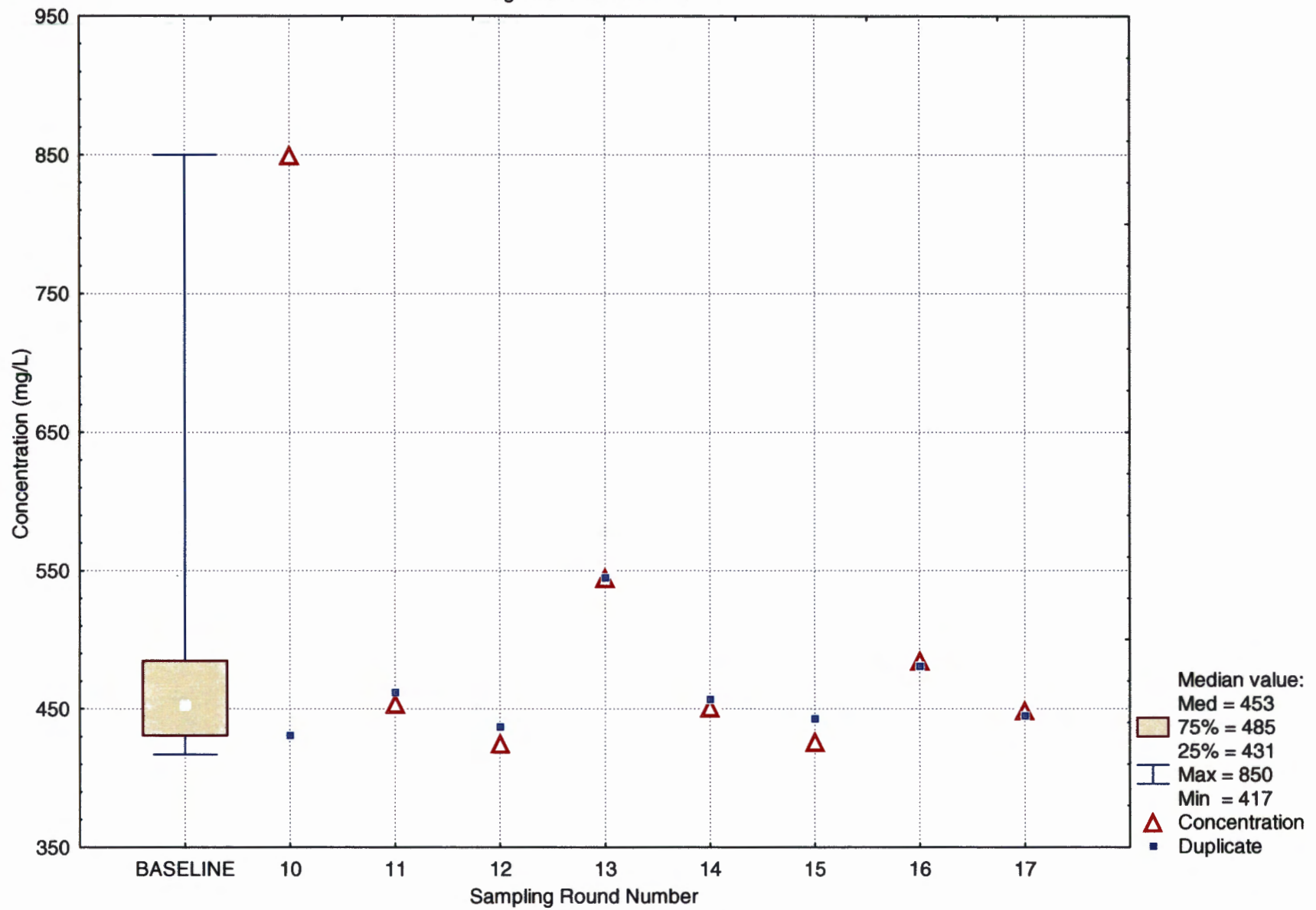
Chloride at WQSP-5



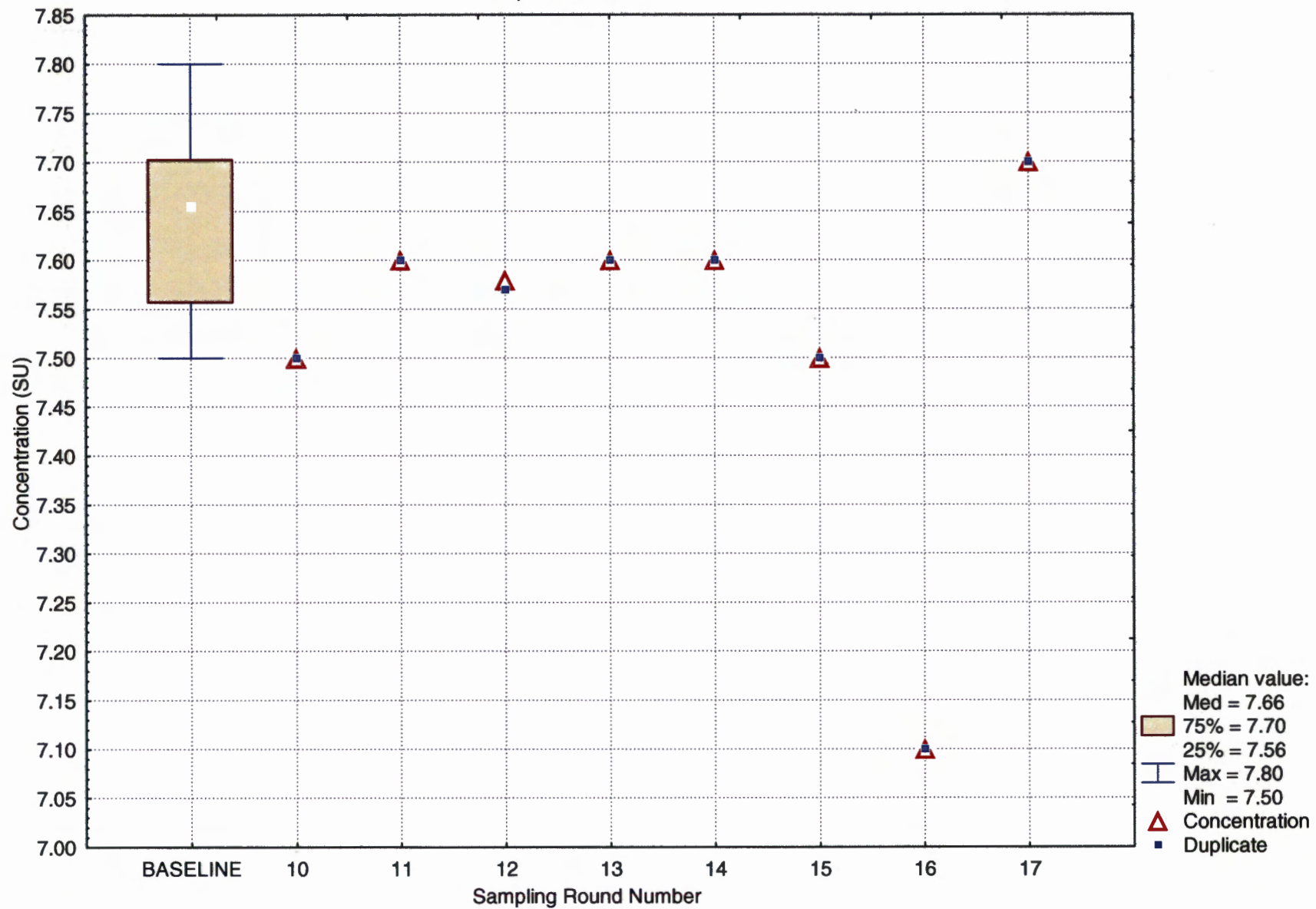
Density at WQSP-5



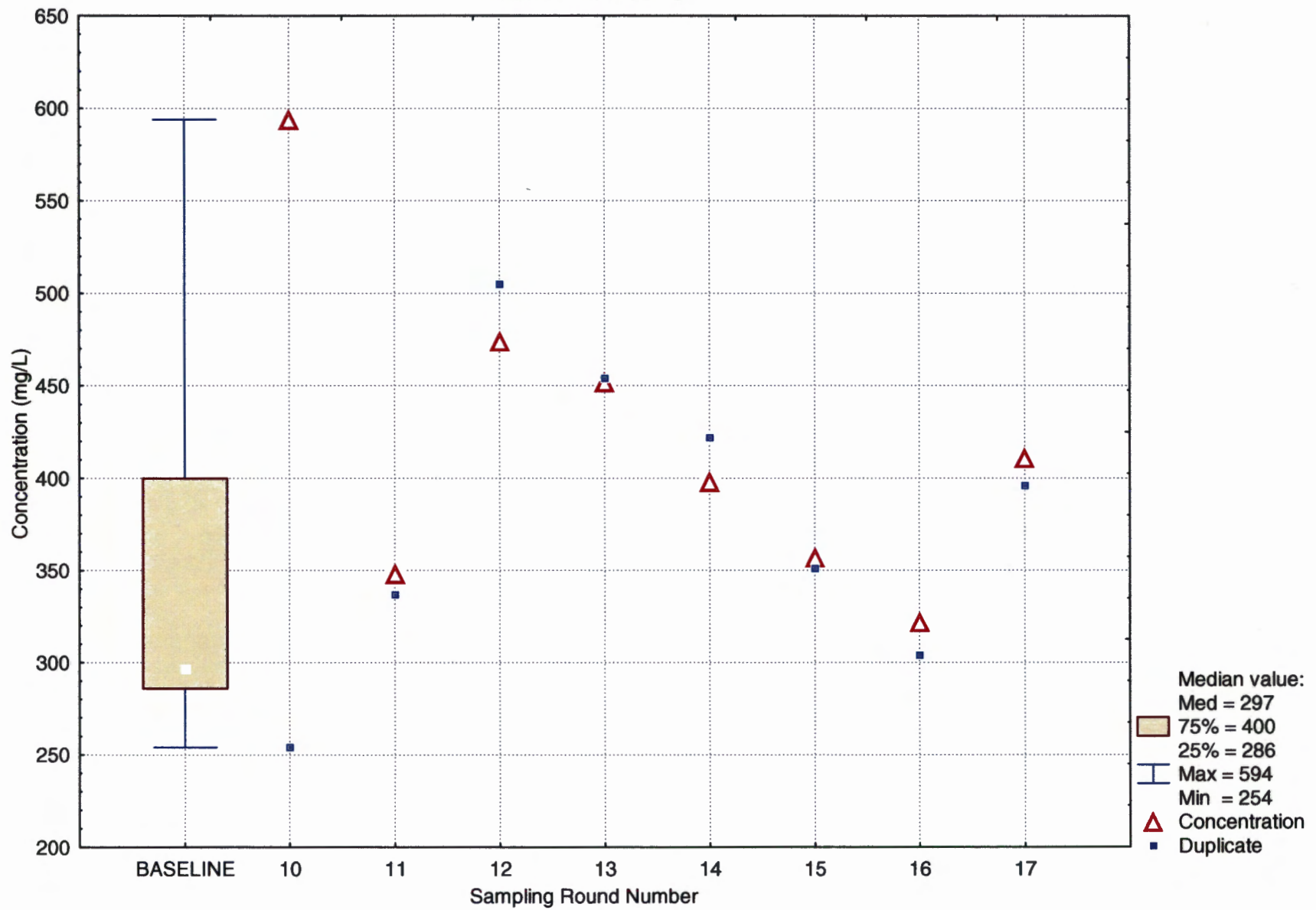
Magnesium at WQSP-5



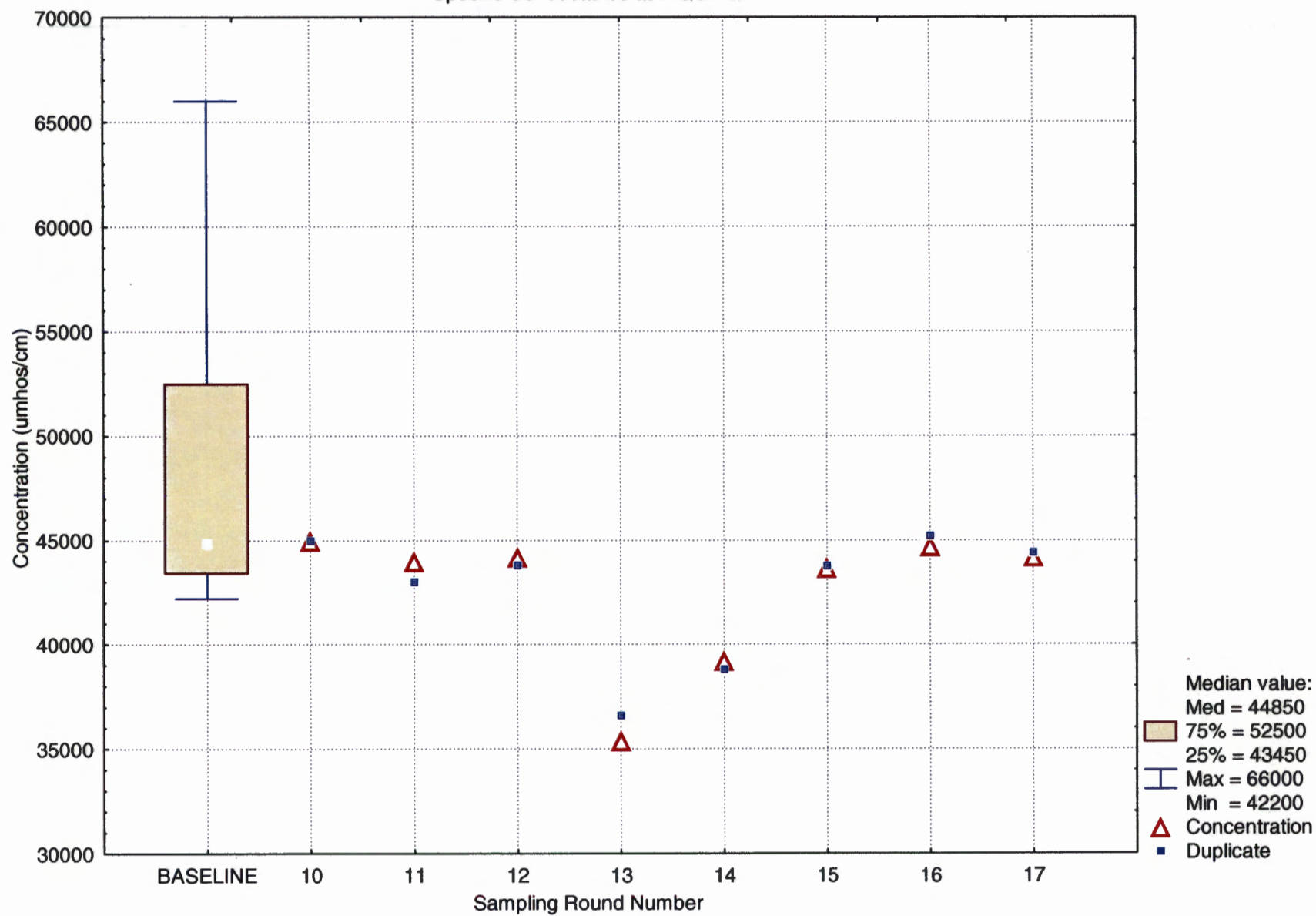
pH at WQSP-5



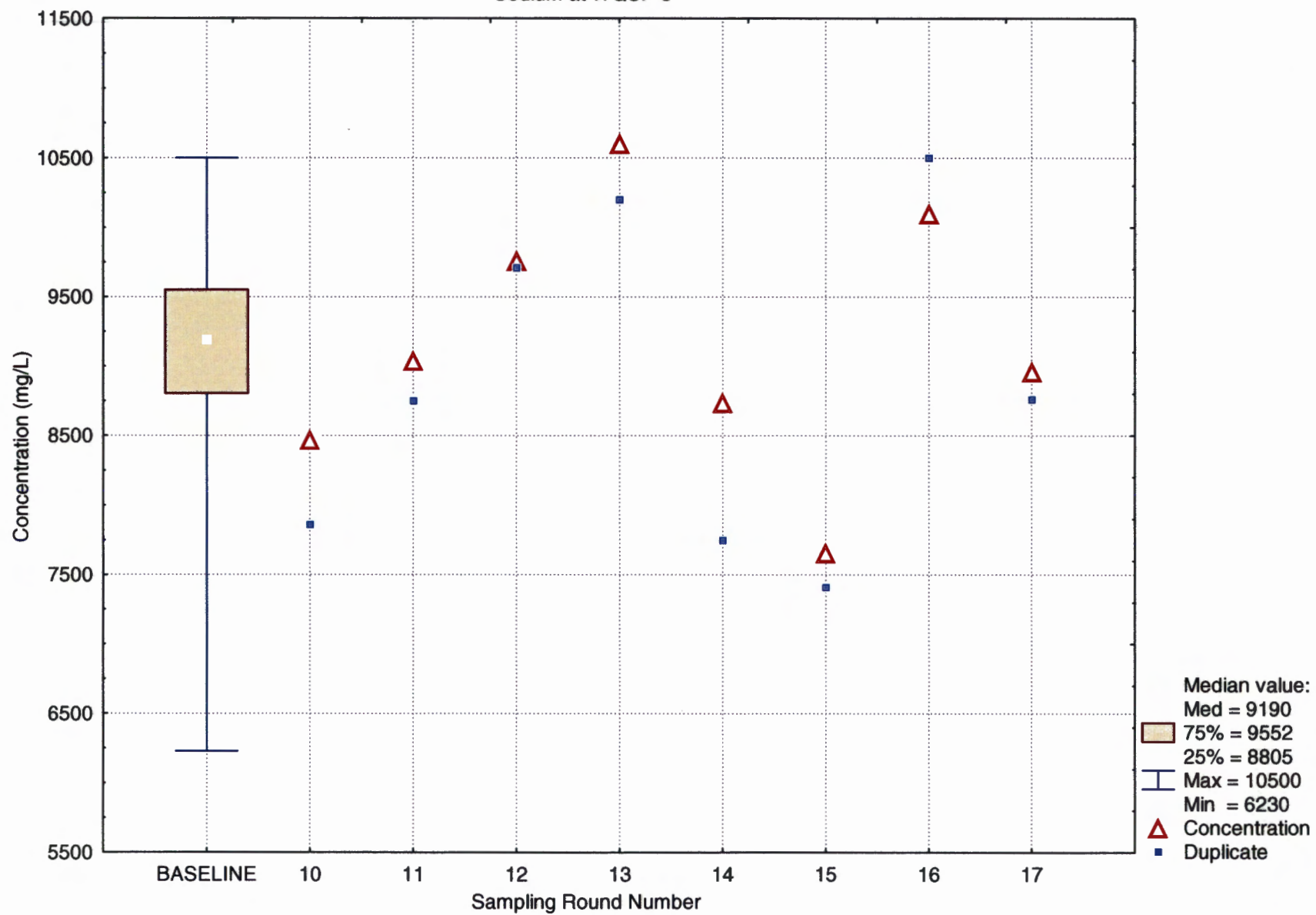
Potassium at WQSP-5



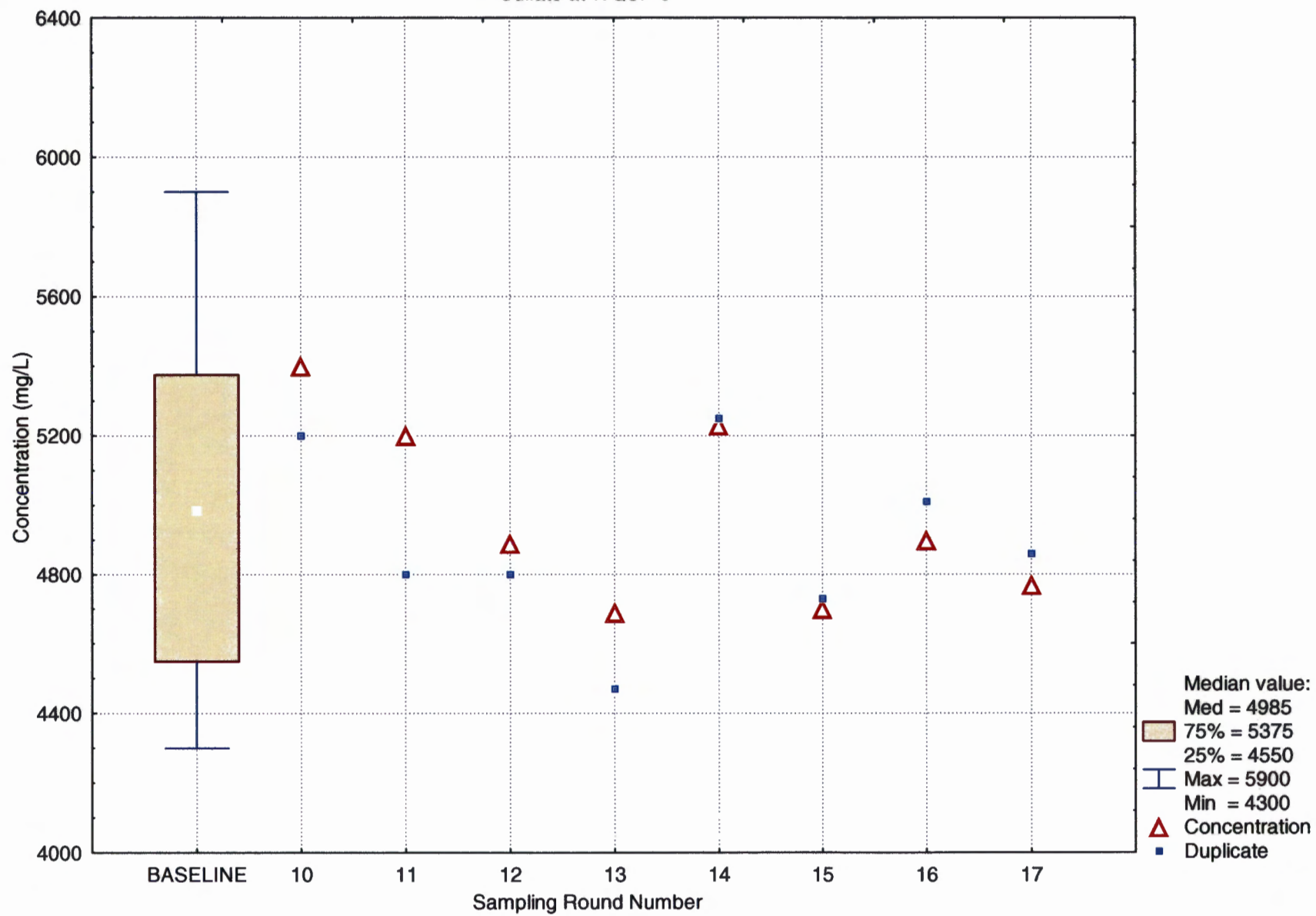
Specific Conductance at WQSP-5



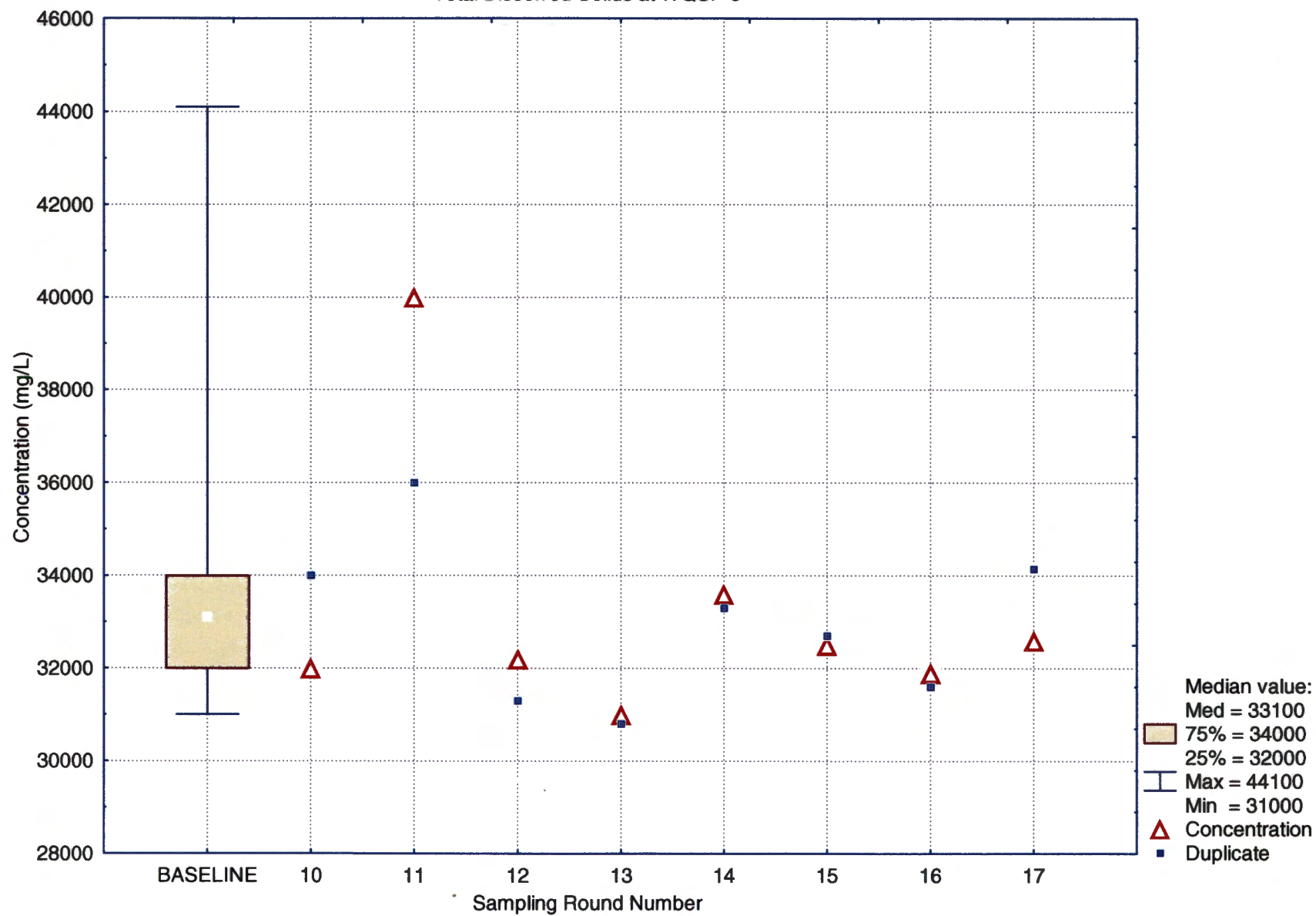
Sodium at WQSP-5



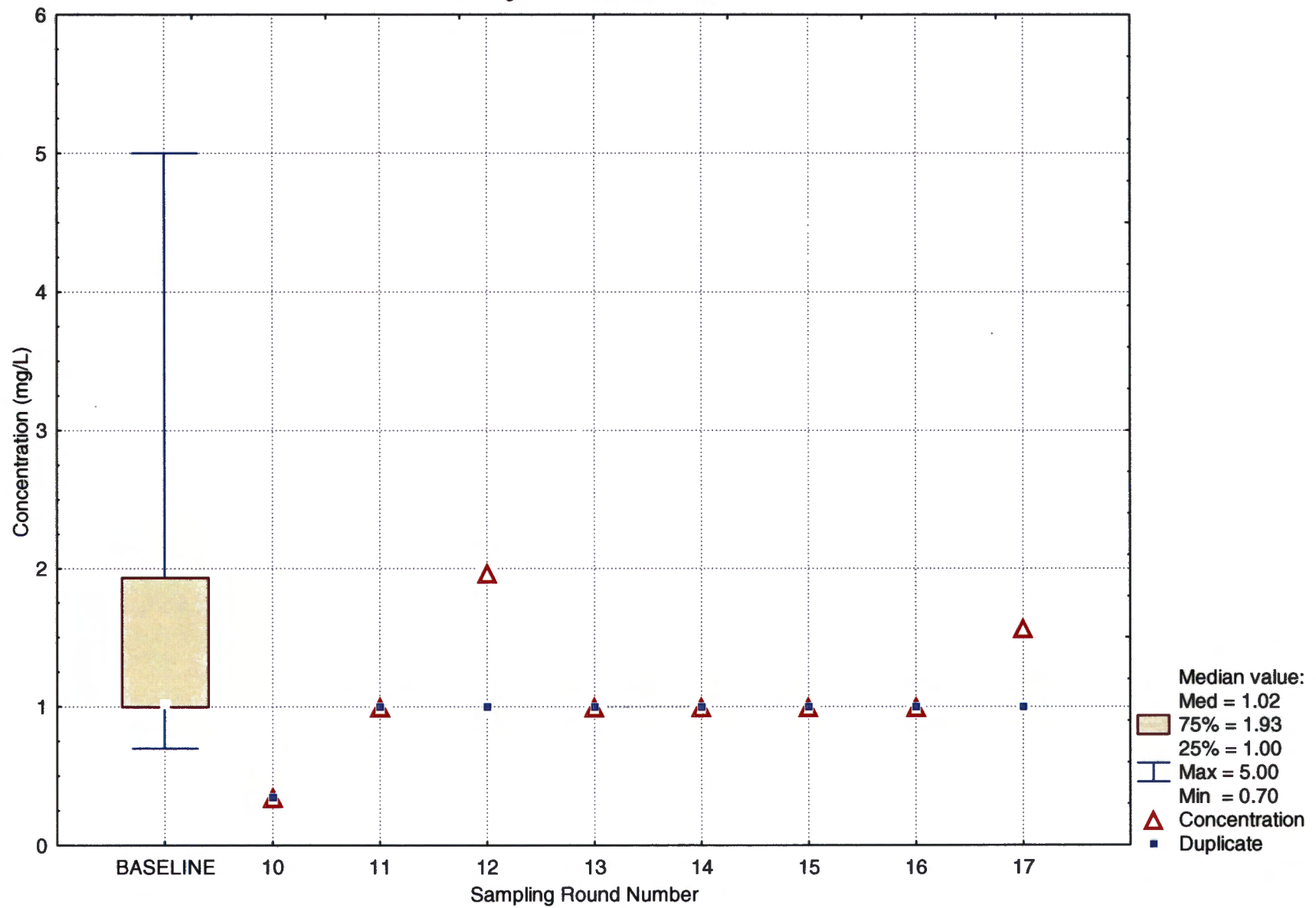
Sulfate at WQSP-5



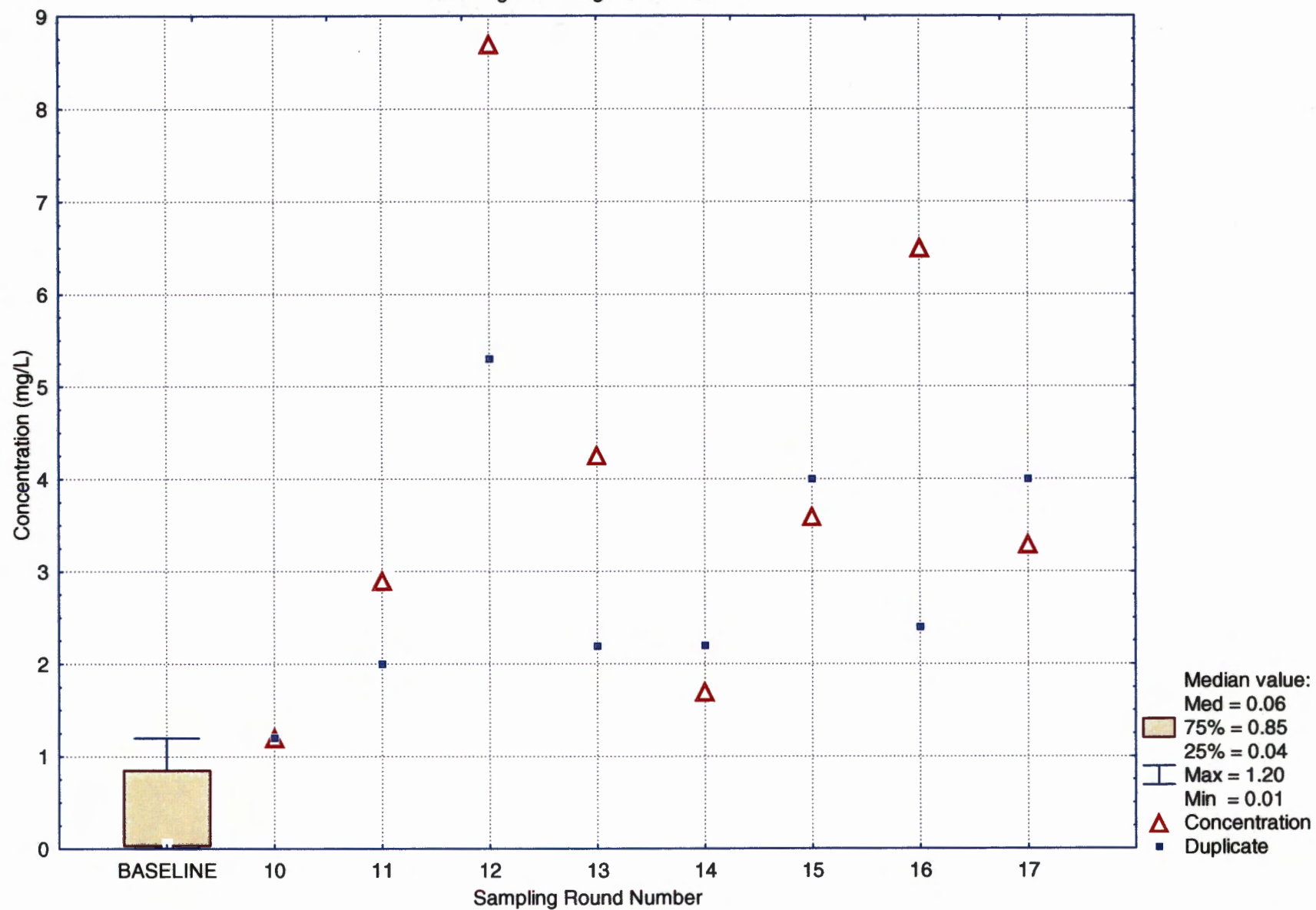
Total Dissolved Solids at WQSP-5



Total Organic Carbon at WQSP-5

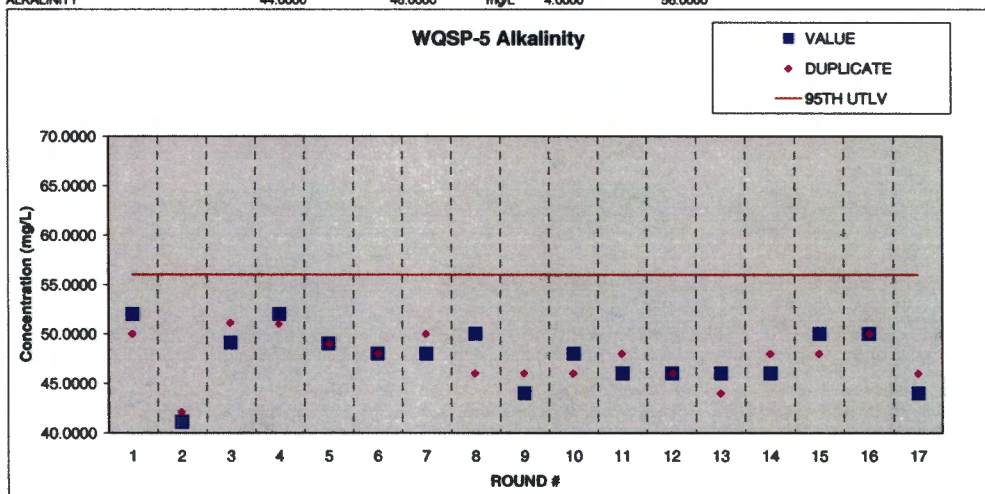


Total Organic Halogens at WQSP-5



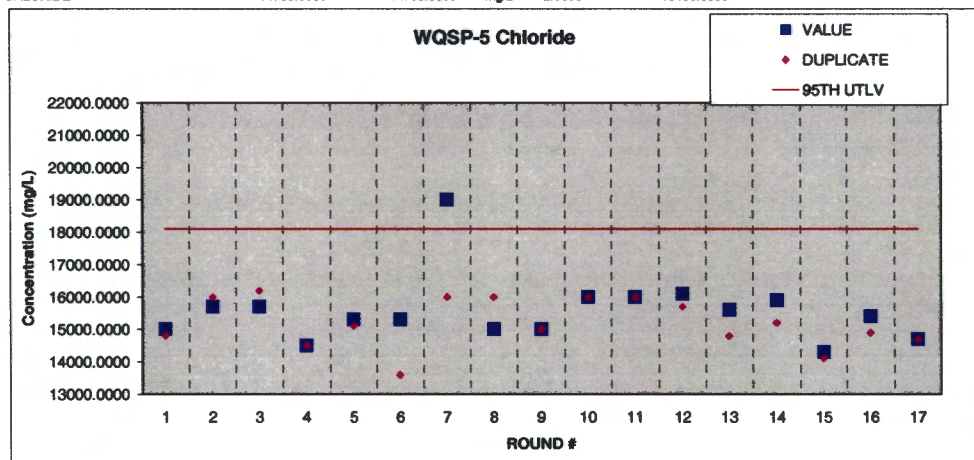
WQSP-5 Alkalinity

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	ALKALINITY	52.0000	50.0000	mg/L	5.0000	56.0000		< 5.0000	1	11/27/95	11/20/95
	ALKALINITY	41.1000	42.1000	mg/L	5.0000	56.0000		< 5.0000	2	08/11/96	08/08/96
	ALKALINITY	49.1000	51.1000	mg/L	5.0000	56.0000		< 5.0000	3	10/03/96	09/28/96
	ALKALINITY	52.0000	51.0000	mg/L	5.0000	56.0000		< 5.0000	4	09/27/97	08/18/97
	ALKALINITY	49.0000	49.0000	mg/L	5.0000	56.0000		< 5.0000	5	09/28/97	09/25/97
	ALKALINITY	48.0000	48.0000	mg/L		56.0000			6	05/22/98	05/20/98
	ALKALINITY	48.0000	50.0000	mg/L	1.0000	56.0000		< 1.0000	7	10/09/98	10/07/98
	ALKALINITY	50.0000	46.0000	mg/L	1.0000	56.0000		< 1.0000	8	05/11/99	05/05/99
	ALKALINITY	44.0000	46.0000	mg/L		56.0000		< 1.0000	9	11/02/99	10/27/99
	ALKALINITY	48.0000	46.0000	mg/L		56.0000		< 1.0000	10	05/02/00	04/28/00
	ALKALINITY	48.0000	48.0000	mg/L	4.0000	56.0000		< 4.0000	11	11/17/00	11/01/00
	ALKALINITY	48.0000	46.0000	mg/L	4.0000	56.0000			12	05/08/01	05/02/01
	ALKALINITY	48.0000	44.0000	mg/L	4.0000	56.0000			13	11/13/01	10/31/01
	ALKALINITY	48.0000	48.0000	mg/L	4.0000	56.0000			14	05/03/02	05/01/02
	ALKALINITY	50.0000	48.0000	mg/L	4.0000	56.0000			15	10/31/02	10/30/02
	ALKALINITY	50.0000	50.0000	mg/L	4.0000	56.0000			16	05/01/03	04/23/03
	ALKALINITY	44.0000	46.0000	mg/L	4.0000	56.0000			17	11/04/03	10/29/03

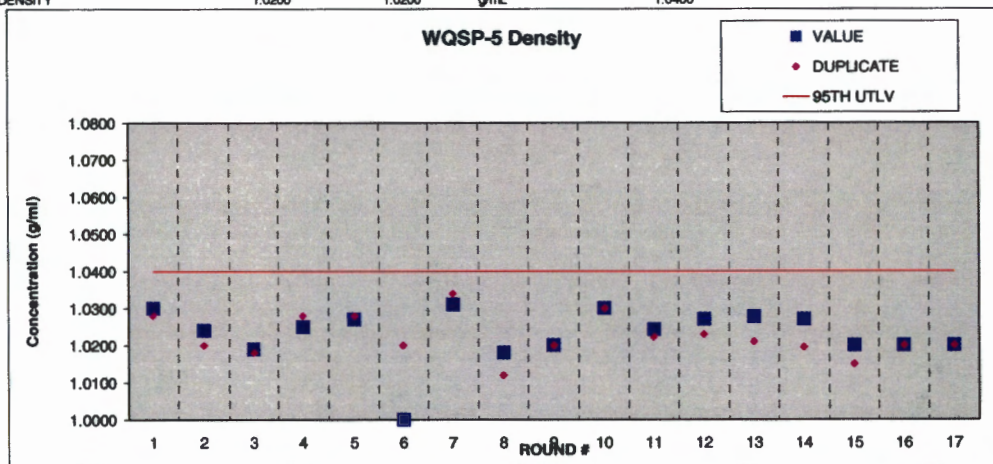


WQSP-5 Chloride

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	15000.0000	14800.0000	mg/L	5.0000	18100.0000		< 5.0000	1	11/27/95	11/20/95
7782-50-5	CHLORIDE	15700.0000	16000.0000	mg/L	2500.0000	18100.0000		< 5.0000	2	08/28/96	06/08/96
7782-50-5	CHLORIDE	15700.0000	16200.0000	mg/L	2500.0000	18100.0000		< 5.0000	3	10/15/96	09/28/96
7782-50-5	CHLORIDE	14500.0000	14500.0000	mg/L	5000.0000	18100.0000		< 5.0000	4	07/07/97	08/19/97
7782-50-5	CHLORIDE	15300.0000	15100.0000	mg/L	1000.0000	18100.0000		< 5.0000	5	10/13/97	09/25/97
7782-50-5	CHLORIDE	15300.0000	13591.0000	mg/L	0.0180	18100.0000		0.0362	6	05/22/98	05/20/98
7782-50-5	CHLORIDE	19000.0000	18000.0000	mg/L	0.5000	18100.0000		< 0.5000	7	10/13/98	10/07/98
7782-50-5	CHLORIDE	15000.0000	16000.0000	mg/L	0.5000	18100.0000		< 0.5000	8	05/05/99	05/05/99
7782-50-5	CHLORIDE	15000.0000	15000.0000	mg/L	0.5000	18100.0000		< 0.5000	9	10/28/99	10/27/99
7782-50-5	CHLORIDE	18000.0000	18000.0000	mg/L	0.5000	18100.0000		< 0.5000	10	05/04/00	04/26/00
7782-50-5	CHLORIDE	18000.0000	18000.0000	mg/L	0.5000	18100.0000		< 0.5000	11	11/02/00	11/01/00
7782-50-5	CHLORIDE	16100.0000	15700.0000	mg/L	0.5000	18100.0000			12	05/03/01	05/02/01
7782-50-5	CHLORIDE	15800.0000	14800.0000	mg/L	2.0000	18100.0000			13	11/16/01	10/31/01
7782-50-5	CHLORIDE	15800.0000	15200.0000	mg/L	2.0000	18100.0000			14	05/07/02	05/01/02
7782-50-5	CHLORIDE	14300.0000	14100.0000	mg/L	2.0000	18100.0000			15	10/31/02	10/30/02
7782-50-5	CHLORIDE	15400.0000	14900.0000	mg/L	2.0000	18100.0000			16	04/23/03	04/23/03
7782-50-5	CHLORIDE	14700.0000	14700.0000	mg/L	2.0000	18100.0000			17	10/29/03	10/29/03

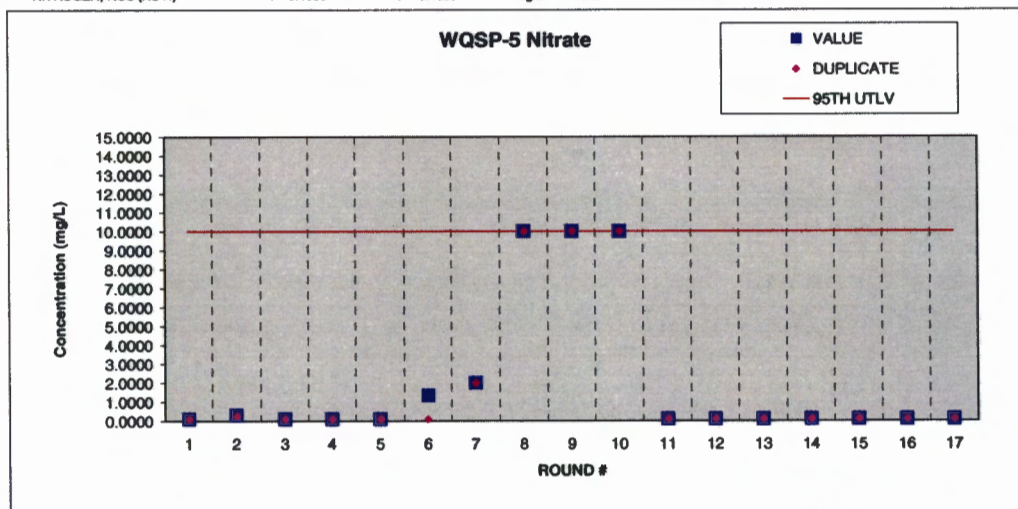


CAS #	PARAMETER	WQSP-5 Density				ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
		VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT					
	DENSITY	1.0300	1.0280	g/mL	0.0000	1.0400		1	11/30/95	11/20/96
	DENSITY	1.0240	1.0200	g/mL	0.0000	1.0400		2	06/11/96	06/08/96
	DENSITY	1.0190	1.0180	g/mL	0.0000	1.0400		3	10/22/96	09/26/96
	DENSITY	1.0250	1.0260	g/mL	0.0000	1.0400		4	08/27/97	08/19/97
	DENSITY	1.0270	1.0280	g/mL	0.0000	1.0400		5	09/28/97	09/25/97
	DENSITY	1.0000	1.0200	g/mL	0.0000	1.0400		6	05/22/98	05/20/98
	DENSITY	1.0310	1.0340	g/mL	—	1.0400		7	10/13/98	10/07/98
	DENSITY	1.0180	1.0120	g/mL		1.0400		8	05/11/99	05/05/99
	DENSITY	1.0200	1.0200	g/mL		1.0400		9	10/28/99	10/27/99
	DENSITY	1.0300	1.0300	g/mL		1.0400		10	05/04/00	04/26/00
	DENSITY	1.0243	1.0222	g/mL		1.0400		11	11/08/00	11/01/00
	DENSITY	1.0270	1.0230	g/mL		1.0400		12	05/18/01	05/02/01
	DENSITY	1.0277	1.0210	g/mL		1.0400		13	11/05/01	10/31/01
	DENSITY	1.0270	1.0185	g/mL		1.0400		14	05/04/02	05/01/02
	DENSITY	1.0200	1.0150	g/mL		1.0400		15	10/30/02	10/30/02
	DENSITY	1.0200	1.0200	g/mL		1.0400		16	04/23/03	04/23/03
	DENSITY	1.0200	1.0200	g/mL		1.0400		17	10/29/03	10/29/03

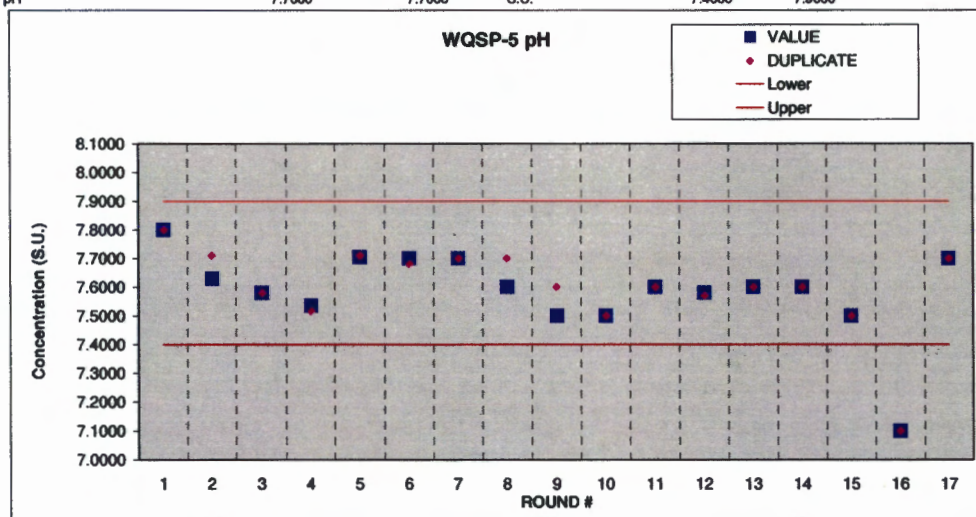


WQSP-5 Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 100.0000	1	11/30/95	11/20/95
7727-37-9	NITROGEN, NO3 (AS N)	0.3100	0.2800	mg/L	0.1000	10.0000		< 100.0000	2	08/19/96	06/06/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 100.0000	3	10/10/96	09/26/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 100.0000	4	08/27/97	08/19/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 100.0000	5	10/17/97	09/25/97
7727-37-9	NITROGEN, NO3 (AS N)	1.3500	0.0800	mg/L	0.0040	10.0000		0.0040	6	05/22/98	05/20/98
7727-37-9	NITROGEN, NO3 (AS N)	< 2.0000	< 2.0000	mg/L	0.2000	10.0000		< 500.0000	7	10/01/98	10/07/98
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	8	05/05/99	05/05/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	9	10/28/99	10/27/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	10.0000		< 0.2000	10	04/27/00	04/26/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000		< 0.1000	11	11/13/00	11/01/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			12	05/02/01	05/02/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			13	11/21/01	10/31/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			14	05/08/02	05/01/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			15	10/31/02	10/30/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			16	04/24/03	04/23/03
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	10.0000			17	10/29/03	10/29/03

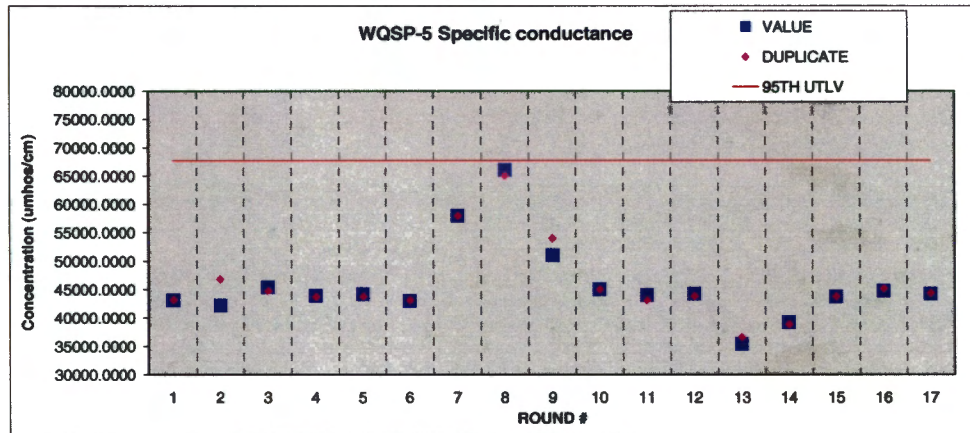


WQSP-5 pH												
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====	=====	==	==	=	=	=	=	=	=	=	=====	=====
	pH	7.8000	7.8000	S.U.	0.0000	7.4000	7.9000			1	11/21/95	11/20/95
	pH	7.6300	7.7100	S.U.	0.0000	7.4000	7.9000			2	08/07/96	08/08/96
	pH	7.5800	7.5800	S.U.	0.0000	7.4000	7.9000			3	09/27/96	09/26/96
	pH	7.5350	7.5150	S.U.	0.0000	7.4000	7.9000			4	08/20/97	08/19/97
	pH	7.7050	7.7100	S.U.	0.0000	7.4000	7.9000			5	09/26/97	09/25/97
	pH	7.7000	7.6800	S.U.	0.0000	7.4000	7.9000			6	05/22/98	05/20/98
	pH	7.7000	7.7000	S.U.	---	7.4000	7.9000			7	10/07/98	10/07/98
	pH	7.6000	7.7000	S.U.		7.4000	7.9000			8	05/05/99	05/05/99
	pH	7.5000	7.6000	S.U.		7.4000	7.9000			9	10/27/99	10/27/99
	pH	7.5000	7.5000	S.U.		7.4000	7.9000			10	04/28/00	04/28/00
	pH	7.6000	7.6000	S.U.		7.4000	7.9000			11	11/01/00	11/01/00
	pH	7.5800	7.5700	S.U.		7.4000	7.9000			12	05/02/01	05/02/01
	pH	7.6000	7.6000	S.U.		7.4000	7.9000			13	10/31/01	10/31/01
	pH	7.6000	7.6000	S.U.		7.4000	7.9000			14	05/01/02	05/01/02
	pH	7.5000	7.5000	S.U.		7.4000	7.9000			15	10/30/02	10/30/02
	pH	7.1000	7.1000	S.U.		7.4000	7.9000			16	04/23/03	04/23/03
	pH	7.7000	7.7000	S.U.		7.4000	7.9000			17	10/29/03	10/29/03



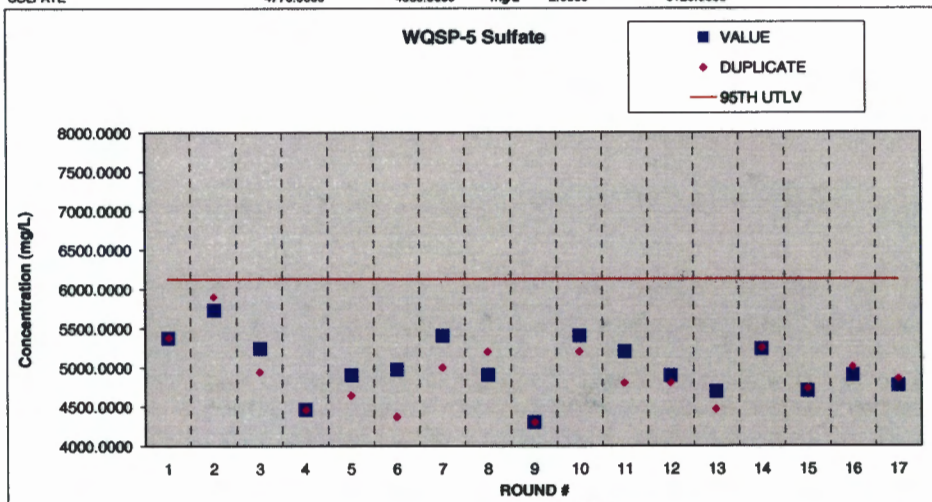
WQSP-5 Specific conductance

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	43100.0000	43200.0000	umhos/cm	1.0000	67700.0000			1	11/30/95	11/20/96
	SPECIFIC CONDUCTANCE	42200.0000	46800.0000	umhos/cm	3.0000	67700.0000			2	18/28/96	06/08/96
	SPECIFIC CONDUCTANCE	45400.0000	44700.0000	umhos/cm	3.0000	67700.0000			3	10/22/96	09/28/96
	SPECIFIC CONDUCTANCE	43850.0000	43700.0000	umhos/cm	3.0000	67700.0000			4	07/08/97	06/19/97
	SPECIFIC CONDUCTANCE	44150.0000	43750.0000	umhos/cm	3.0000	67700.0000			5	09/30/97	09/25/97
	SPECIFIC CONDUCTANCE	42950.0000	43165.0000	umhos/cm	0.0000	67700.0000			6	05/22/98	05/20/98
	SPECIFIC CONDUCTANCE	58000.0000	58000.0000	umhos/cm	---	67700.0000		7.2000	7	10/16/98	10/07/98
	SPECIFIC CONDUCTANCE	66000.0000	65000.0000	umhos/cm		67700.0000		6.7000	8	05/05/99	05/05/99
	SPECIFIC CONDUCTANCE	51000.0000	54000.0000	umhos/cm		67700.0000			9	10/28/99	10/27/99
	SPECIFIC CONDUCTANCE	45000.0000	45000.0000	umhos/cm		67700.0000			10	05/02/00	04/28/00
	SPECIFIC CONDUCTANCE	44000.0000	43000.0000	umhos/cm		67700.0000		8.0000	11	11/08/00	11/01/00
	SPECIFIC CONDUCTANCE	44200.0000	43800.0000	umhos/cm		67700.0000			12	05/15/01	05/02/01
	SPECIFIC CONDUCTANCE	36400.0000	36800.0000	umhos/cm		67700.0000			13	11/14/01	10/31/01
	SPECIFIC CONDUCTANCE	39200.0000	38810.0000	umhos/cm		67700.0000			14	05/08/02	05/01/02
	SPECIFIC CONDUCTANCE	43680.0000	43760.0000	umhos/cm		67700.0000			15	10/31/02	10/30/02
	SPECIFIC CONDUCTANCE	44700.0000	45200.0000	umhos/cm		67700.0000			16	04/28/03	04/23/03
	SPECIFIC CONDUCTANCE	44200.0000	44400.0000	umhos/cm		67700.0000			17	10/29/03	10/29/03



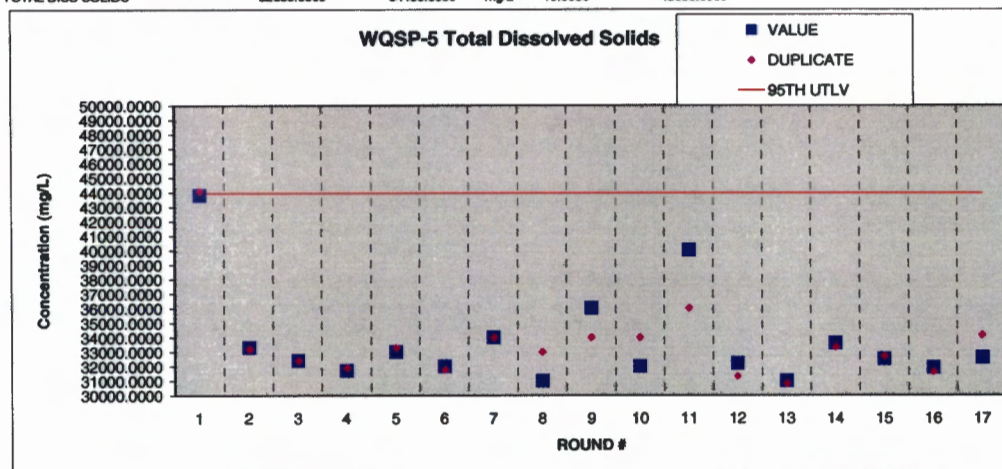
WQSP-5 Sulfate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SULFATE	5370.0000	5380.0000	mg/L	10.0000	6129.0000		< 10.0000	1	11/27/95	11/20/95
	SULFATE	5730.0000	5900.0000	mg/L	2500.0000	6129.0000		< 10.0000	2	08/10/96	08/08/96
	SULFATE	5240.0000	4940.0000	mg/L	2500.0000	6129.0000		< 10.0000	3	10/01/96	09/28/96
	SULFATE	4460.0000	4460.0000	mg/L	2500.0000	6129.0000		< 10.0000	4	07/07/97	08/19/97
	SULFATE	4900.0000	4640.0000	mg/L	2500.0000	6129.0000		< 10.0000	5	09/30/97	09/25/97
	SULFATE	4970.0000	4370.8000	mg/L	0.0400	6129.0000		< 0.1024	6	05/22/98	05/20/98
	SULFATE	5400.0000	5000.0000	mg/L	0.5000	6129.0000		< 0.5000	7	10/13/98	10/07/98
	SULFATE	4900.0000	5200.0000	mg/L	0.5000	6129.0000		< 0.5000	8	05/05/99	05/05/99
	SULFATE	4300.0000	4300.0000	mg/L	0.5000	6129.0000		< 0.5000	9	10/28/99	10/27/99
	SULFATE	5400.0000	5200.0000	mg/L	0.5000	6129.0000		< 0.5000	10	05/02/00	04/28/00
	SULFATE	5200.0000	4800.0000	mg/L	0.5000	6129.0000		< 0.5000	11	11/15/00	11/01/00
	SULFATE	4890.0000	4800.0000	mg/L	0.5000	6129.0000			12	05/03/01	05/02/01
	SULFATE	4690.0000	4470.0000	mg/L	2.0000	6129.0000			13	11/15/01	10/31/01
	SULFATE	5230.0000	5250.0000	mg/L	2.0000	6129.0000			14	05/07/02	05/01/02
	SULFATE	4700.0000	4730.0000	mg/L	2.0000	6129.0000			15	10/31/02	10/30/02
	SULFATE	4900.0000	5010.0000	mg/L	2.0000	6129.0000			16	04/23/03	04/23/03
	SULFATE	4770.0000	4880.0000	mg/L	2.0000	6129.0000			17	10/29/03	10/29/03



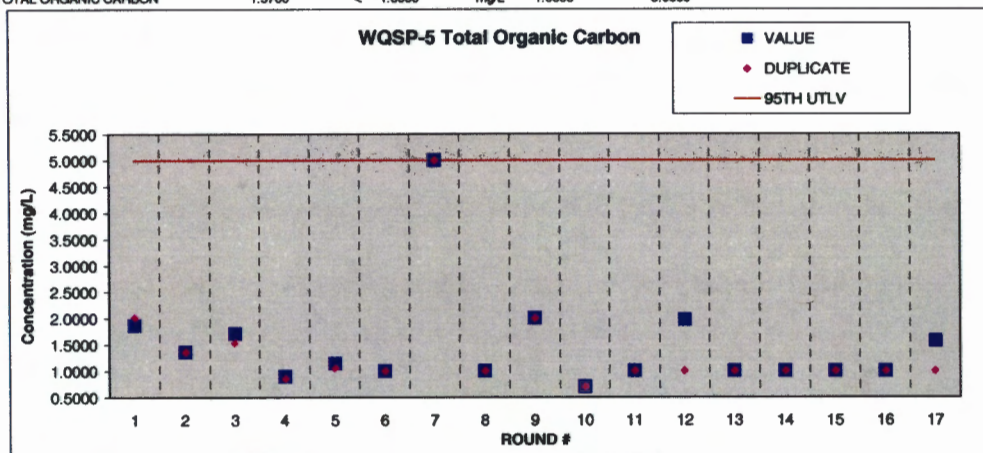
WQSP-5 Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	43800.0000	44100.0000	mg/L	10.0000	43850.0000		< 10.0000	1	11/21/95	11/20/95
	TOTAL DISS SOLIDS	33300.0000	33200.0000	mg/L	200.0000	43850.0000		< 10.0000	2	06/11/96	06/08/96
	TOTAL DISS SOLIDS	32400.0000	32400.0000	mg/L	200.0000	43850.0000		< 10.0000	3	10/02/96	09/28/96
	TOTAL DISS SOLIDS	31700.0000	31800.0000	mg/L	200.0000	43850.0000		< 10.0000	4	06/28/97	06/18/97
	TOTAL DISS SOLIDS	33000.0000	33300.0000	mg/L	200.0000	43850.0000		< 10.0000	5	09/30/97	09/25/97
	TOTAL DISS SOLIDS	32000.0000	31780.0000	mg/L	20.0000	43850.0000		< 10.0000	6	05/22/98	05/20/98
	TOTAL DISS SOLIDS	34000.0000	34000.0000	mg/L	10.0000	43850.0000		< 10.0000	7	10/12/98	10/07/98
	TOTAL DISS SOLIDS	31000.0000	33000.0000	mg/L	10.0000	43850.0000		< 10.0000	8	05/05/99	05/05/99
	TOTAL DISS SOLIDS	36000.0000	34000.0000	mg/L	10.0000	43850.0000		< 10.0000	9	10/29/99	10/27/99
	TOTAL DISS SOLIDS	32000.0000	34000.0000	mg/L	10.0000	43850.0000		< 10.0000	10	05/02/00	04/28/00
	TOTAL DISS SOLIDS	40000.0000	36000.0000	mg/L	10.0000	43850.0000		< 10.0000	11	11/09/00	11/01/00
	TOTAL DISS SOLIDS	32200.0000	31300.0000	mg/L	10.0000	43850.0000		< 10.0000	12	06/04/01	05/02/01
	TOTAL DISS SOLIDS	31000.0000	30800.0000	mg/L	10.0000	43850.0000			13	11/05/01	10/31/01
	TOTAL DISS SOLIDS	33600.0000	33300.0000	mg/L	10.0000	43850.0000			14	06/02/02	05/01/02
	TOTAL DISS SOLIDS	32500.0000	32700.0000	mg/L	10.0000	43850.0000			15	11/01/02	10/30/02
	TOTAL DISS SOLIDS	31900.0000	31800.0000	mg/L	10.0000	43850.0000			16	04/25/03	04/23/03
	TOTAL DISS SOLIDS	32800.0000	34150.0000	mg/L	10.0000	43850.0000			17	11/08/03	10/29/03



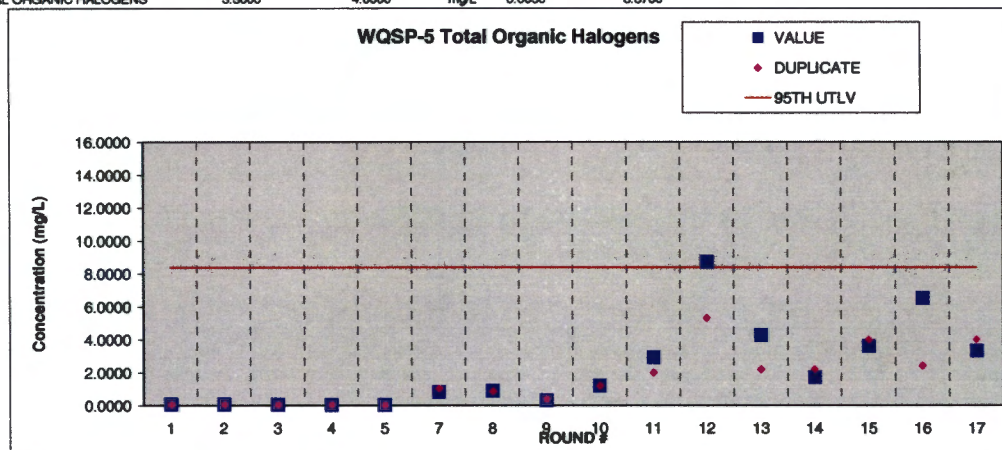
WQSP-5 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.8700	2.0200	mg/L	0.5000	5.0000		< 0.5000	1	12/15/95	11/20/95
	TOTAL ORGANIC CARBON	1.3800	1.3800	mg/L	0.5000	5.0000		< 0.5000	2	08/28/96	06/08/96
	TOTAL ORGANIC CARBON	1.7100	1.5300	mg/L	0.5000	5.0000		< 0.5000	3	10/03/96	08/28/96
	TOTAL ORGANIC CARBON	0.8695	0.8540	mg/L	0.5000	5.0000		< 0.5000	4	08/27/97	06/19/97
	TOTAL ORGANIC CARBON	1.1400	1.0500	mg/L	0.5000	5.0000		< 0.5000	5	10/22/97	08/25/97
	TOTAL ORGANIC CARBON	1.0000	1.0000	mg/L	0.1000	5.0000		0.1000	6	05/22/98	05/20/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	5.0000		< 5.0000	7	10/07/98	10/07/98
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000		< 1.0000	8	05/09/99	05/05/99
	TOTAL ORGANIC CARBON	< 2.0000	< 2.0000	mg/L	2.0000	5.0000		< 2.0000	9	11/12/99	10/27/99
	TOTAL ORGANIC CARBON	< 0.7000	< 0.7000	mg/L		5.0000		< 2.0000	10	05/02/00	04/12/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000		< 1.0000	11	11/02/00	11/01/00
	TOTAL ORGANIC CARBON	1.9700	< 1.0000	mg/L	1.0000	5.0000			12	05/21/01	05/02/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			13	11/18/01	10/31/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			14	05/13/02	05/01/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			15	11/09/02	10/30/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	5.0000			16	04/24/03	04/23/03
	TOTAL ORGANIC CARBON	1.5700	< 1.0000	mg/L	1.0000	5.0000			17	11/05/03	10/29/03



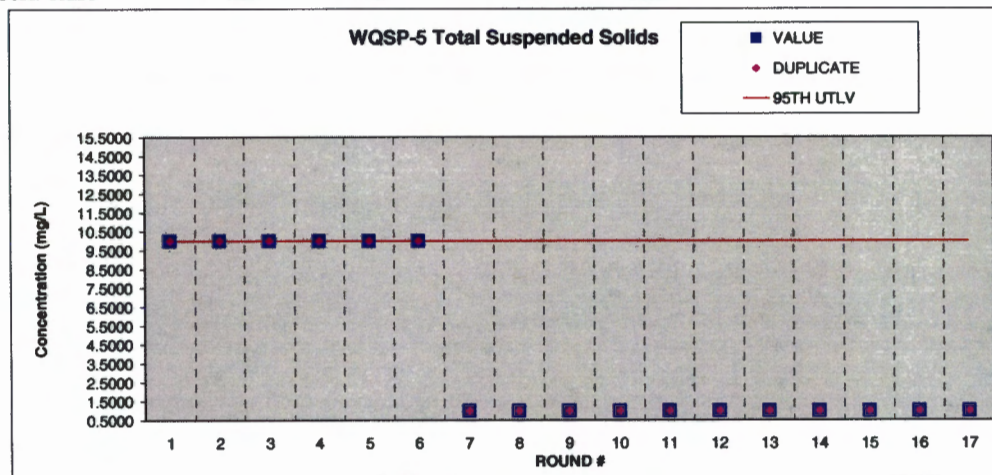
WQSP-5 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.0549	0.0526	mg/L	0.0100	8.3700		0.0170	1	12/18/95	11/20/95
	TOTAL ORGANIC HALOGENS	0.0630	0.0640	mg/L	0.0100	8.3700		0.0132	2	08/12/96	06/08/96
	TOTAL ORGANIC HALOGENS	0.0348	0.0359	mg/L	0.0100	8.3700		0.0154	3	10/08/96	09/28/96
	TOTAL ORGANIC HALOGENS	0.0288	0.0365	mg/L	0.0100	8.3700		0.0123	4	08/27/97	08/19/97
	TOTAL ORGANIC HALOGENS	0.0128	0.0100	mg/L	0.0100	8.3700		0.0113	5	10/20/97	09/25/97
	TOTAL ORGANIC HALOGENS	0.8000	1.0400	mg/L	0.0100	8.3700			7	10/23/98	10/07/98
	TOTAL ORGANIC HALOGENS	0.8700	0.8500	mg/L		8.3700			8	05/17/99	05/05/99
	TOTAL ORGANIC HALOGENS	0.2800	0.3800	mg/L		8.3700			9	11/04/99	10/27/99
	TOTAL ORGANIC HALOGENS	1.2000	1.2000	mg/L		8.3700			10	05/04/00	04/12/00
	TOTAL ORGANIC HALOGENS	2.8000	2.0000	mg/L		8.3700		0.0003	11	11/21/00	11/01/00
	TOTAL ORGANIC HALOGENS	8.7000	5.3000	mg/L		8.3700			12	05/14/01	05/02/01
	TOTAL ORGANIC HALOGENS	4.2800	2.1900	mg/L	0.0050	8.3700			13	11/18/01	10/31/01
	TOTAL ORGANIC HALOGENS	1.7000	2.2000	mg/L	0.0050	8.3700			14	05/18/02	05/01/02
	TOTAL ORGANIC HALOGENS	3.6000	4.0000	mg/L	0.0050	8.3700			15	11/07/02	10/30/02
	TOTAL ORGANIC HALOGENS	6.5000	2.4000	mg/L	0.0050	8.3700			16	04/30/03	04/23/03
	TOTAL ORGANIC HALOGENS	3.3000	4.0000	mg/L	0.0050	8.3700			17	11/13/03	10/29/03

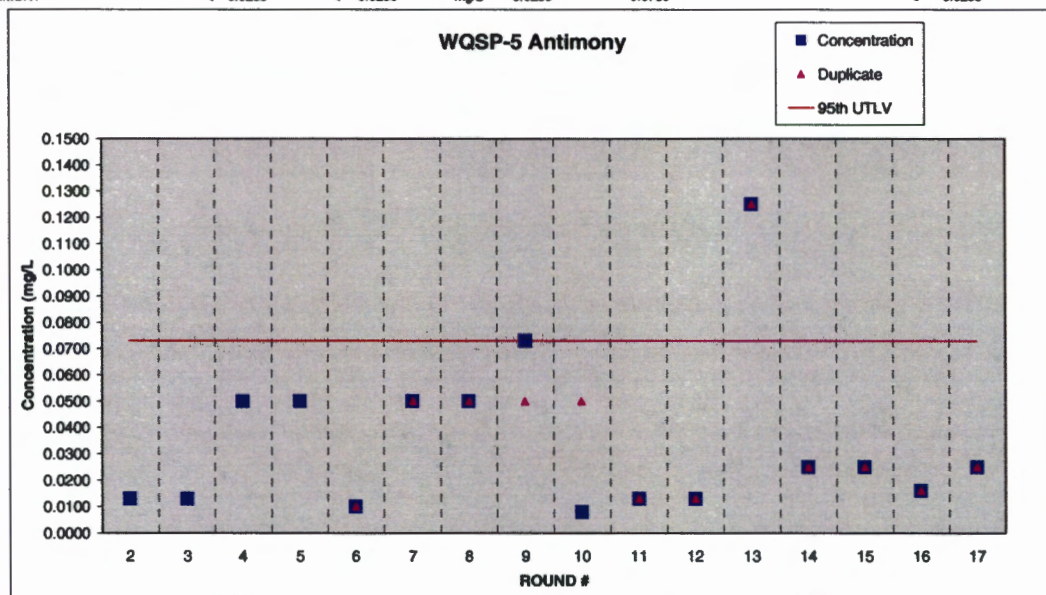


WQSP-5 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000		< 10.0000	1	11/22/95	11/20/95
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000		< 10.0000	2	09/11/96	08/06/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000		< 10.0000	3	10/02/96	09/29/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000		< 10.0000	4	08/26/97	08/19/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000		< 10.0000	5	09/30/97	09/25/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	10.0000			6	05/22/98	05/20/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000		< 1.0000	7	10/08/98	10/07/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000		< 1.0000	8	05/06/99	05/05/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000		< 1.0000	9	11/02/99	10/27/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000		< 1.0000	10	05/02/00	04/26/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000		< 1.0000	11	11/09/00	11/01/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000			12	05/04/01	05/02/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000			13	11/05/01	10/31/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000			14	05/08/02	05/01/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	10.0000			15	11/04/02	10/30/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000		1.0000	10.0000			16	04/29/03	04/23/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000		1.0000	10.0000			17	11/05/03	10/29/03

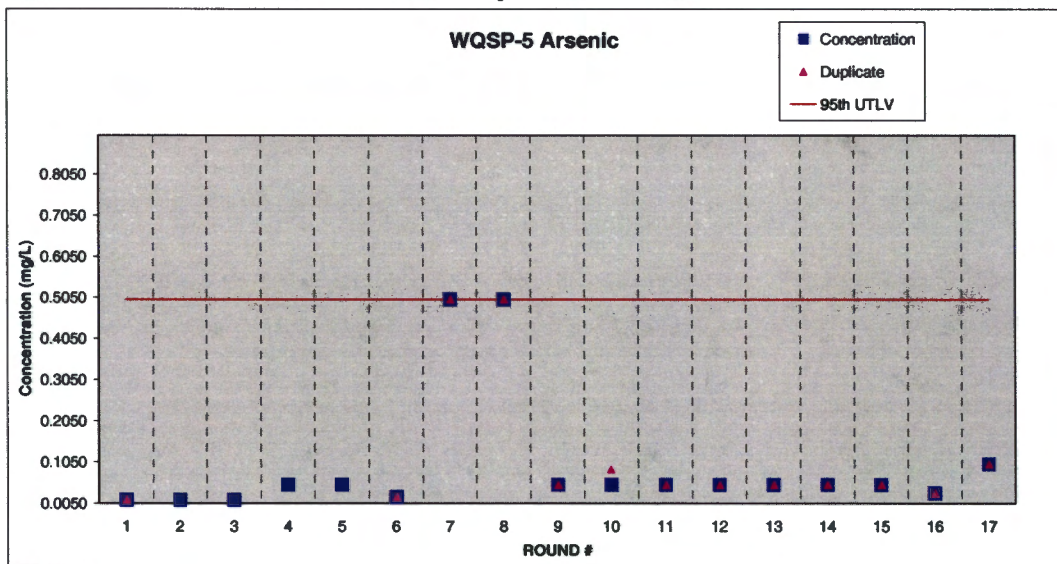


WQSP-5 Antimony											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.0730	< 0.0050		2	08/18/96	08/08/96
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.0730	< 0.0050		3	10/01/96	09/29/96
7440-36-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.0730	< 0.0050		4	08/28/97	08/18/97
7440-36-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.0730	< 0.0050		5	10/28/97	09/25/97
7440-36-0	ANTIMONY	< 0.0100	< 0.0100	mg/L	0.0010	0.0730		< 0.0010	6	05/22/98	05/20/98
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.0730		< 0.0500	7	11/27/98	10/07/98
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.0730		< 0.0500	8	05/12/99	05/05/99
7440-36-0	ANTIMONY	0.0730	< 0.0500	mg/L	0.0500	0.0730		< 0.0500	9	11/15/99	10/27/99
7440-36-0	ANTIMONY	0.0080	< 0.0500	mg/L	0.0500	0.0730		0.0180	10	05/24/00	04/28/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.0730		< 0.0130	11	12/12/00	11/01/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.0730			12	05/28/01	05/02/01
7440-36-0	ANTIMONY	< 0.1250	< 0.1250	mg/L	0.0130	0.0730		0.0080	13	11/05/01	10/31/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.0730		< 0.0250	14	05/03/02	05/01/02
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.0730		< 0.0250	15	11/07/02	10/30/02
7440-36-0	ANTIMONY	< 0.0180	< 0.0180	mg/L	0.0180	0.0730		< 0.0250	16	04/30/03	04/23/03
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.0730		< 0.0250	17	11/03/03	10/29/03



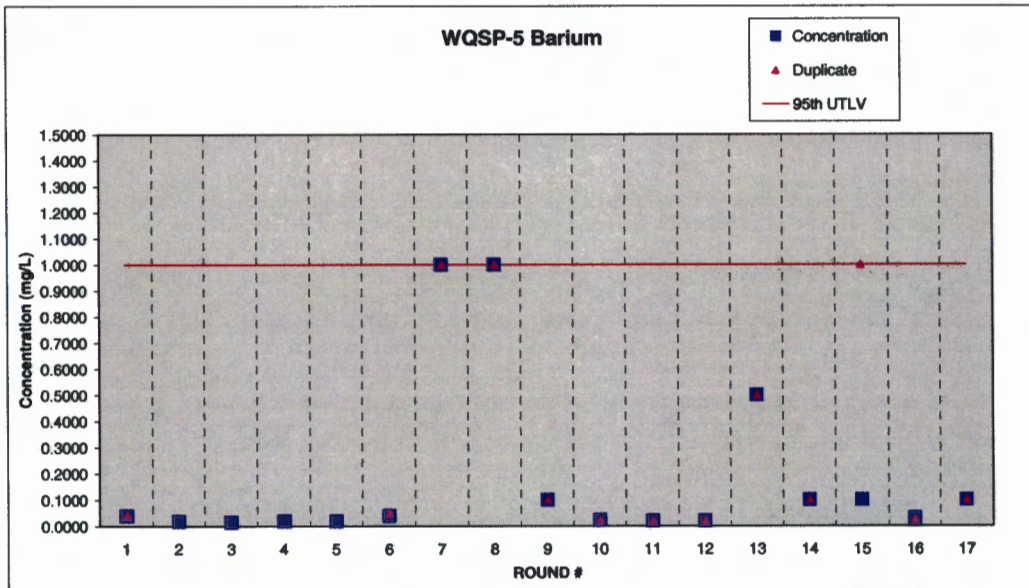
WQSP-5 Arsenic

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0130	< 0.0130	mg/L	0.0130	0.5000	< 0.0050	< 0.0050	1	12/18/95	11/20/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	06/18/96	06/06/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	10/01/96	09/26/96
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		4	08/28/97	06/19/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	10/27/97	09/25/97
7440-38-2	ARSENIC	< 0.0200	< 0.0200	mg/L	0.0010	0.5000		< 0.0010	6	05/22/98	05/20/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/98	10/07/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/12/99	05/05/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/15/99	10/27/99
7440-38-2	ARSENIC	< 0.0500	< 0.0870	mg/L	0.0500	0.5000		0.0030	10	05/24/00	04/26/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	11	12/12/00	11/01/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000			12	05/28/11	05/02/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0077	13	11/06/01	10/31/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	14	05/03/02	05/01/02
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	15	11/07/02	10/30/02
7440-38-2	ARSENIC	< 0.0298	< 0.0298	mg/L	0.0298	0.5000		< 0.0500	16	04/30/03	04/23/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0500	17	11/03/03	10/29/03

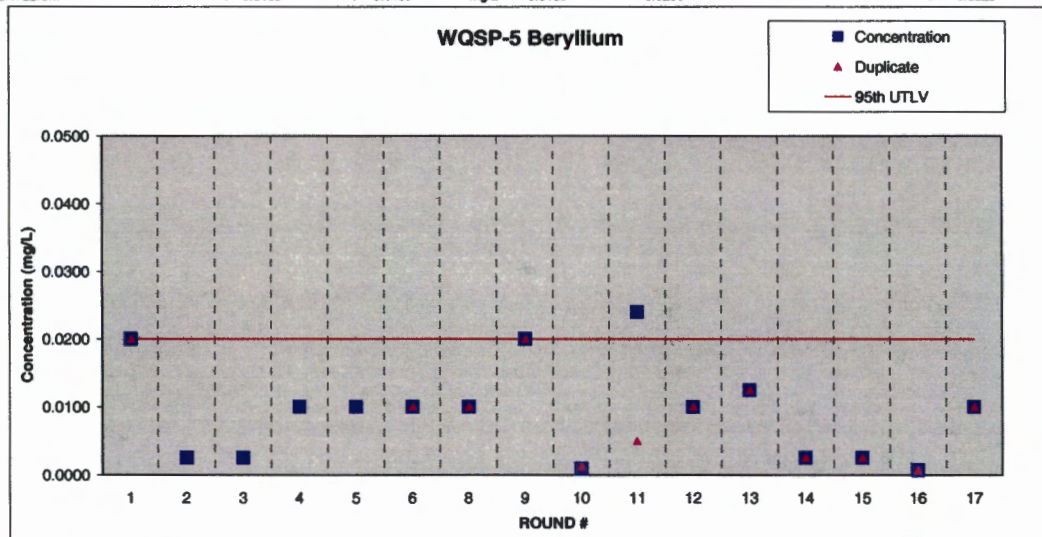


WQSP-5 Barium

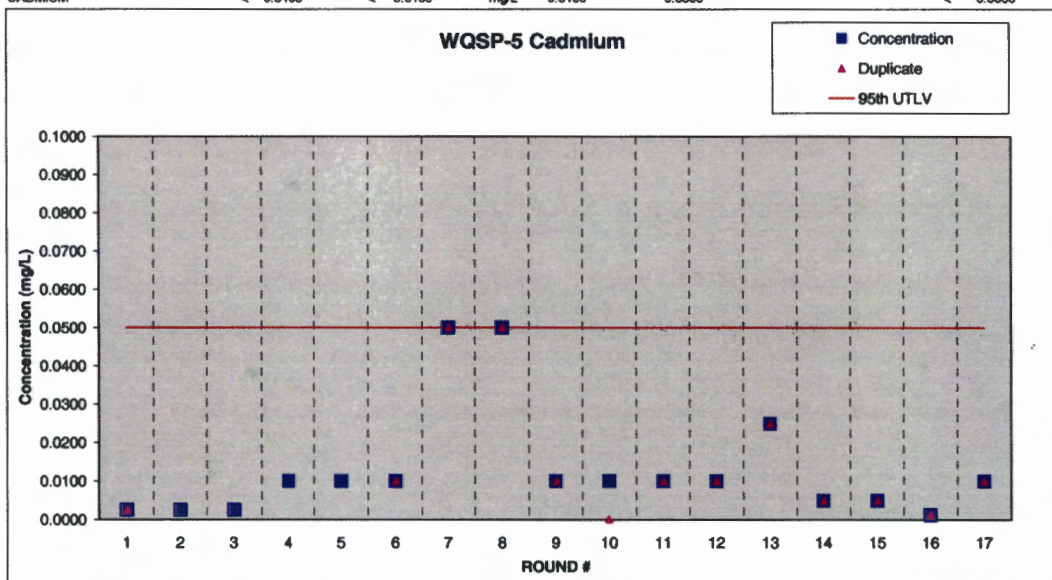
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIUM	< 0.0400	< 0.0400	mg/L	0.0400	1.0000	< 0.0040	< 0.0040	1	12/15/95	11/20/95
7440-39-3	BARIUM	0.0185		mg/L	0.0050	1.0000	< 0.0020		2	06/18/96	06/06/96
7440-39-3	BARIUM	0.0150		mg/L	0.0050	1.0000	< 0.0020		3	10/01/96	09/28/96
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		4	06/28/97	06/19/97
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		5	10/27/97	09/25/97
7440-39-3	BARIUM	< 0.0400	0.0489	mg/L	0.0040	1.0000		< 0.0040	6	05/22/98	05/20/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	7	11/27/98	10/07/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	05/09/99	05/05/99
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	9	11/15/99	10/27/99
7440-39-3	BARIUM	0.0220	0.0198	mg/L	0.2000	1.0000		0.0030	10	05/24/00	04/28/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000		< 0.0200	11	12/12/00	11/01/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000			12	05/28/01	05/02/01
7440-39-3	BARIUM	< 0.5000	< 0.5000	mg/L	0.0200	1.0000		0.0085	13	11/05/01	10/31/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	14	05/03/02	05/01/02
7440-39-3	BARIUM	< 0.1000	< 1.0000	mg/L	0.1000	1.0000		< 0.1000	15	11/07/02	10/30/02
7440-39-3	BARIUM	0.0300	0.0250	mg/L	0.0200	1.0000		< 0.1000	16	04/30/03	04/23/03
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000		< 0.1000	17	11/03/03	10/29/03



WQSP-5 Beryllium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200	< 0.0020	< 0.0020	1	12/15/95	11/20/95
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		2	08/18/96	08/06/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		3	10/01/96	09/29/96
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.0200	< 0.0010		4	08/28/97	08/19/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.0200	< 0.0010		5	10/27/97	09/25/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0200		< 0.0010	8	05/22/98	05/20/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0100	8	05/20/99	05/05/99
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200		< 0.0200	9	11/15/99	10/27/99
7440-41-7	BERYLLIUM	0.0009	0.0013	mg/L	0.0050	0.0200		< 0.0001	10	05/24/00	04/28/00
7440-41-7	BERYLLIUM	0.0240	0.0050	mg/L	0.0100	0.0200		0.0010	11	12/12/00	11/01/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200			12	05/29/01	05/02/01
7440-41-7	BERYLLIUM	< 0.0125	< 0.0125	mg/L	0.0100	0.0200		0.0005	13	11/05/01	10/31/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200		< 0.0025	14	05/03/02	05/01/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200		< 0.0025	15	11/07/02	10/30/02
7440-41-7	BERYLLIUM	< 0.0007	< 0.0007	mg/L	0.0007	0.0200		< 0.0025	16	04/30/03	04/23/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0025	17	11/03/03	10/29/03



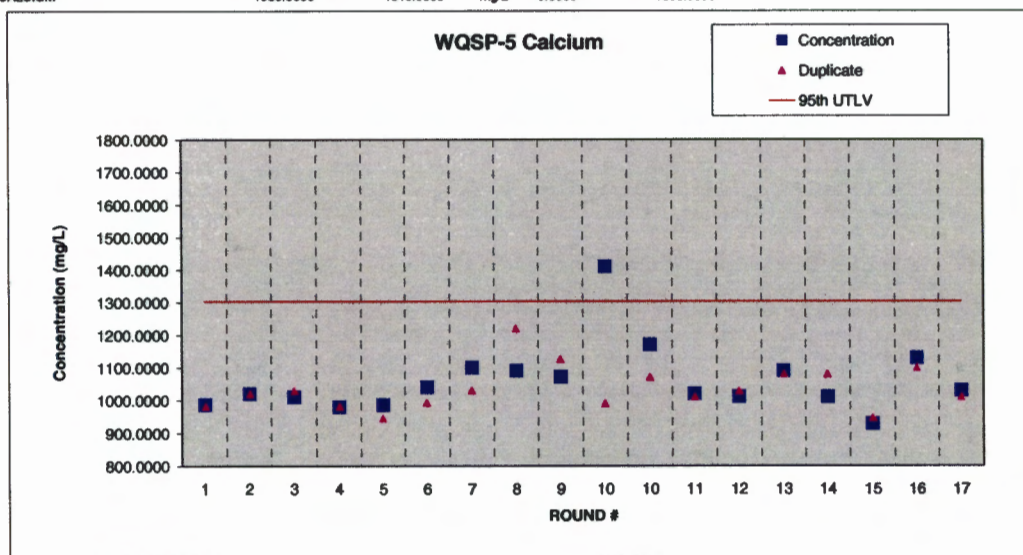
WQSP-5 Cadmium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-43-9	CADMIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0500	< 0.0010	< 0.0010	1	12/18/95	11/20/95
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		2	08/18/96	06/06/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		3	10/01/96	09/28/96
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.0500	< 0.0010		4	09/28/97	09/19/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.0500	< 0.0010		5	10/27/97	09/25/97
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0500		< 0.0010	6	05/22/98	05/20/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0050	0.0500		< 0.0500	7	11/27/98	10/07/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0500	8	05/12/99	05/05/99
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	9	11/15/99	10/27/99
7440-43-9	CADMIUM	< 0.0100	0.0001	mg/L	0.0100	0.0500		< 0.0100	10	05/24/00	04/26/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	11	12/12/00	11/01/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500			12	05/28/01	05/02/01
7440-43-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0100	0.0500		0.0025	13	11/05/01	10/31/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500		< 0.0050	14	05/03/02	05/01/02
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500		< 0.0050	15	11/07/02	10/30/02
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.0500		< 0.0050	16	04/30/03	04/23/03
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0050	17	11/03/03	10/28/03



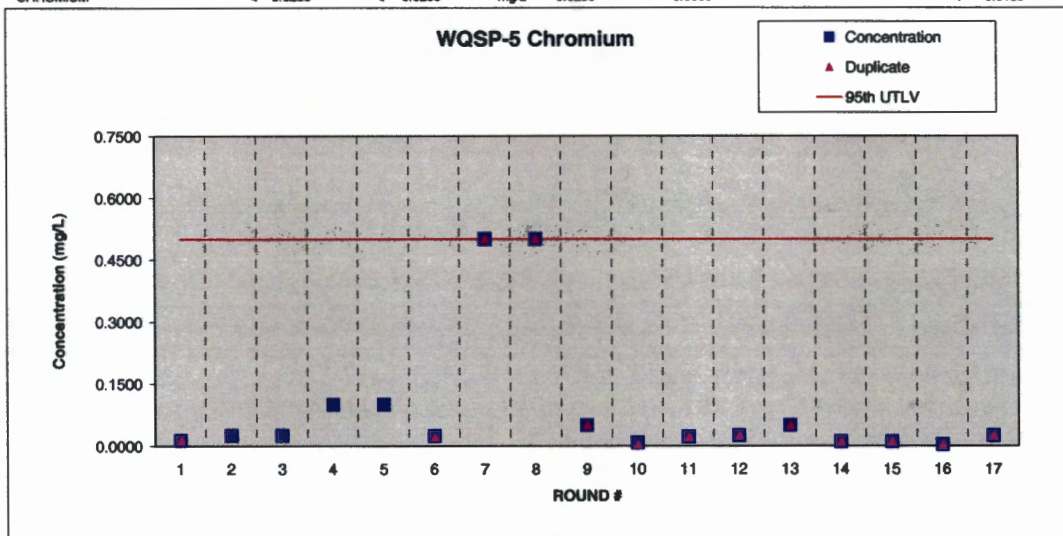
WQSP-5 Calcium

Baseline WQSP-5 Calcium

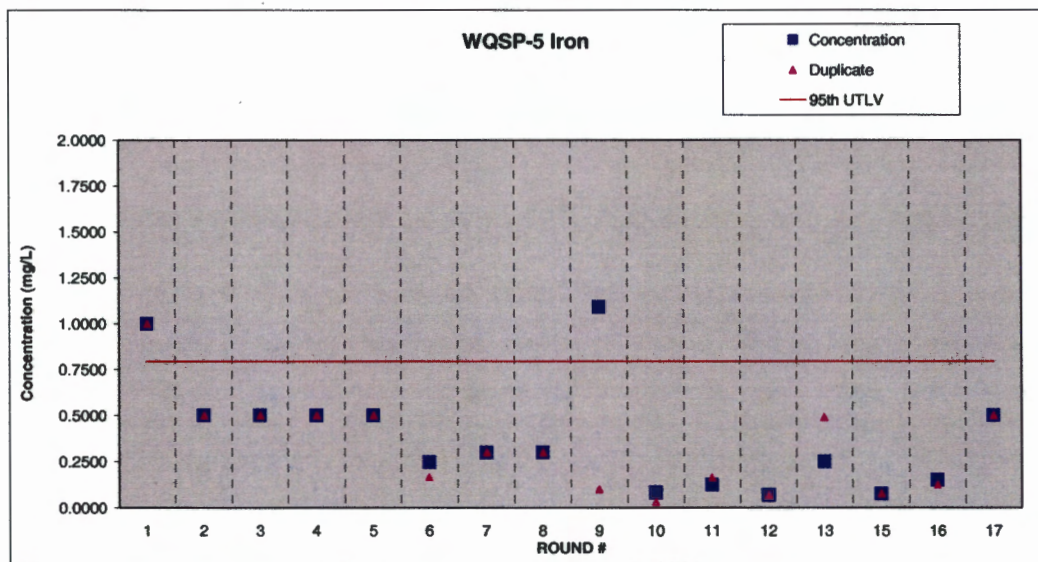
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	987.0000	982.0000	mg/L	2.0000	1303.0000	< 0.2000	< 0.2000	1	12/15/95	11/20/95
7440-70-2	CALCIUM	1020.0000	1020.0000	mg/L	2.0000	1303.0000	< 0.2000	< 0.2000	2	06/18/96	06/08/96
7440-70-2	CALCIUM	1010.0000	1030.0000	mg/L	2.0000	1303.0000	< 0.2000	< 0.2000	3	10/01/96	09/28/96
7440-70-2	CALCIUM	980.0000	982.0000	mg/L	2.0000	1303.0000	< 0.2000	< 0.2000	4	06/28/97	06/19/97
7440-70-2	CALCIUM	986.0000	945.0000	mg/L	2.0000	1303.0000	< 0.2000	< 0.2000	5	10/27/97	09/25/97
7440-70-2	CALCIUM	1040.0000	982.2410	mg/L	0.0120	1303.0000		< 0.0120	6	05/22/98	05/20/98
7440-70-2	CALCIUM	1100.0000	1030.0000	mg/L	0.5000	1303.0000		0.1000	7	11/27/98	10/07/98
7440-70-2	CALCIUM	1090.0000	1220.0000	mg/L	1.0000	1303.0000		< 1.0000	8	05/12/99	05/05/99
7440-70-2	CALCIUM	1071.0000	1128.0000	mg/L	0.0500	1303.0000		< 0.0500	9	12/01/99	10/27/99
7440-70-2	CALCIUM	1410.0000	991.0000	mg/L	5.0000	1303.0000		0.2500	10	05/24/00	04/28/00
7440-70-2	CALCIUM	1170.0000	1070.0000	mg/L	5.0000	1303.0000			10	06/19/00	06/19/00
7440-70-2	CALCIUM	1020.0000	1010.0000	mg/L	5.0000	1303.0000		0.0080	11	11/24/00	11/01/00
7440-70-2	CALCIUM	1011.0000	1028.0000	mg/L	5.0000	1303.0000			12	06/25/01	05/02/01
7440-70-2	CALCIUM	1090.0000	1080.0000	mg/L	0.2000	1303.0000			13	11/05/01	10/31/01
7440-70-2	CALCIUM	1010.0000	1080.0000	mg/L	0.5000	1303.0000			14	05/08/02	05/01/02
7440-70-2	CALCIUM	926.0000	947.0000	mg/L	0.5000	1303.0000			15	11/08/02	10/30/02
7440-70-2	CALCIUM	1130.0000	1100.0000	mg/L	0.5000	1303.0000			16	04/29/03	04/23/03
7440-70-2	CALCIUM	1030.0000	1010.0000	mg/L	0.5000	1303.0000			17	11/03/03	10/29/03



WQSP-5 Chromium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7440-47-3	CHROMIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.5000	< 0.0050	< 0.0050	1	12/18/95	11/20/95
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		2	08/18/96	06/06/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	10/01/96	09/26/96
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		4	06/26/97	08/19/97
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	10/27/97	09/25/97
7440-47-3	CHROMIUM	0.0243	0.0204	mg/L	0.0010	0.5000		< 0.0010	6	05/22/98	05/20/98
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/98	10/07/98
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/12/99	05/05/99
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/15/99	10/27/99
7440-47-3	CHROMIUM	0.0080	0.0026	mg/L	0.0500	0.5000		< 0.0100	10	05/24/00	04/26/00
7440-47-3	CHROMIUM	0.0220	0.0210	mg/L	0.0250	0.5000		< 0.0250	11	12/12/00	11/01/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000			12	05/28/01	05/02/01
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0250	0.5000		0.0016	13	11/05/01	10/31/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	14	05/03/02	05/01/02
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	15	11/07/02	10/30/02
7440-47-3	CHROMIUM	< 0.0030	< 0.0030	mg/L	0.0030	0.5000		< 0.0100	16	04/30/03	04/23/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0100	17	11/03/03	10/29/03

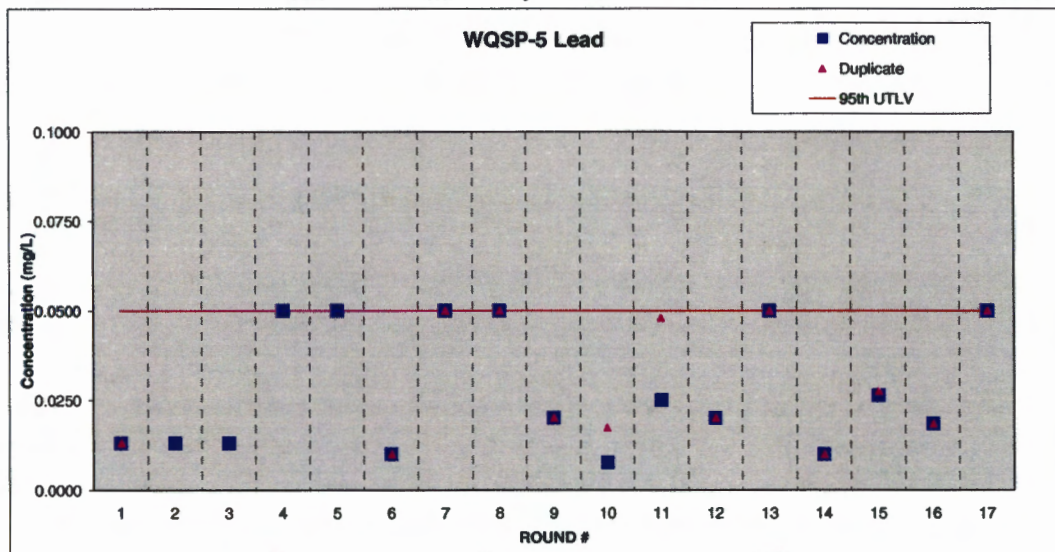


WQSP-5 Iron											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-99-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	0.7950	< 0.1000	< 0.1000	1	12/15/96	11/20/96
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	2	08/18/96	06/06/96
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	3	10/01/96	06/26/96
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	4	08/26/97	06/19/97
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	5	10/27/97	08/25/97
7439-99-6	IRON	0.2470	0.1655	mg/L	0.0110	0.7950	< 0.0500	< 0.0110	6	05/22/98	05/20/98
7439-99-6	IRON	< 0.3000	< 0.3000	mg/L	0.3000	0.7950	< 0.3000	< 0.3000	7	11/27/98	10/07/98
7439-99-6	IRON	< 0.3000	< 0.3000	mg/L	0.3000	0.7950	< 0.3000	< 0.3000	8	05/12/99	05/05/99
7439-99-6	IRON	1.0900	< 0.1000	mg/L	0.1000	0.7950	< 0.1000	< 0.1000	9	11/15/99	10/27/99
7439-99-6	IRON	0.0820	0.0317	mg/L	0.1000	0.7950	< 0.0070	< 0.0070	10	05/24/00	04/26/00
7439-99-6	IRON	0.1250	0.1640	mg/L	0.5000	0.7950	< 0.5000	< 0.5000	11	12/12/00	11/01/00
7439-99-6	IRON	0.0684	0.0671	mg/L	0.5000	0.7950	< 0.0022	< 0.0022	12	05/28/01	05/02/01
7439-99-6	IRON	< 0.2500	0.4900	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	13	11/05/01	10/31/01
7439-99-6	IRON	0.0761	0.0765	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	15	11/07/02	10/30/02
7439-99-6	IRON	0.1510	0.1250	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	16	04/30/03	04/23/03
7439-99-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	0.7950	< 0.0500	< 0.0500	17	11/03/03	10/29/03

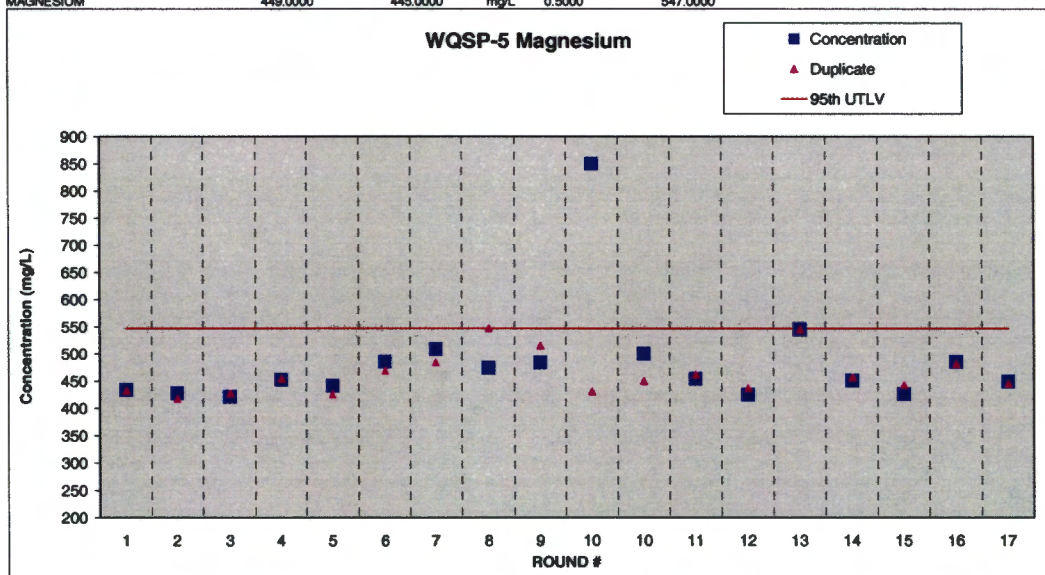


WQSP-5 Lead

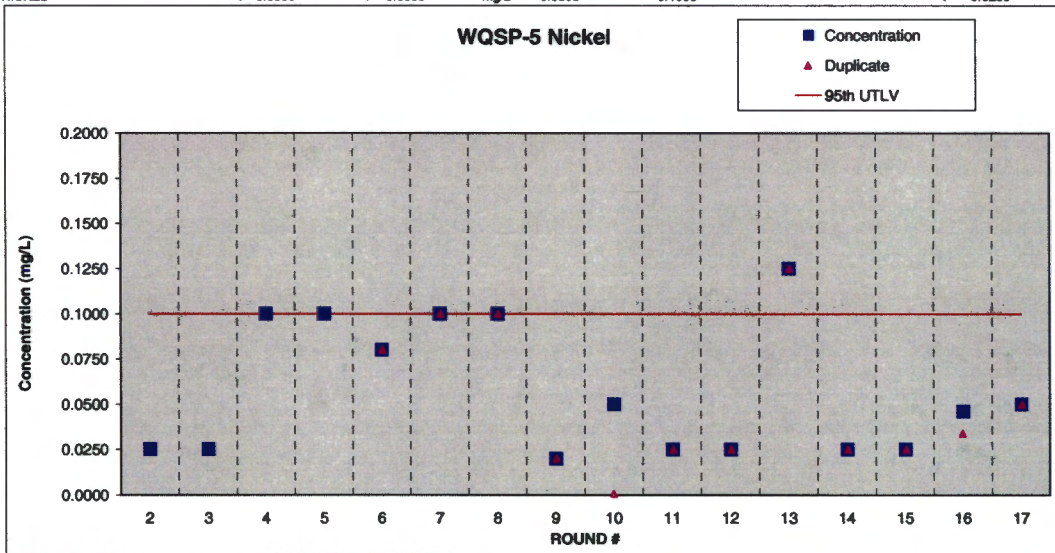
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0130	< 0.0130	mg/L	0.0130	0.0500	< 0.0050	< 0.0050	1	12/19/95	11/20/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.0500	< 0.0050		2	06/18/96	06/06/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.0500	< 0.0050		3	10/01/96	09/26/96
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.0500	< 0.0050		4	08/28/97	08/19/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.0500	< 0.0050		5	10/27/97	09/25/97
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0010	0.0500		< 0.0010	6	05/22/98	05/20/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0050	0.0500		< 0.0500	7	11/27/98	10/07/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0500	8	05/12/99	05/05/99
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.0500		< 0.0200	9	11/15/99	10/27/99
7439-92-1	LEAD	0.0076	0.0173	mg/L	0.0500	0.0500		< 0.0500	10	05/24/00	04/29/00
7439-92-1	LEAD	0.0250	0.0480	mg/L	0.0200	0.0500		0.0030	11	12/12/00	11/01/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.0500			12	05/28/01	05/02/01
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0200	0.0500		0.0045	13	11/05/01	10/31/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	14	05/03/02	05/01/02
7439-92-1	LEAD	0.0263	0.0276	mg/L	0.0200	0.0500		< 0.0100	15	11/07/02	10/30/02
7439-92-1	LEAD	< 0.0184	< 0.0184	mg/L	0.0184	0.0500		< 0.0100	16	04/30/03	04/23/03
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0100	17	11/03/03	10/29/03



CAS #	PARAMETER	WQSP-5 Magnesium					ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	Baseline WQSP-5 Magnesium	
		Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV						Mean	433
7439-95-4	MAGNESIUM	434.0000	432.0000	mg/L	1.0000	547.0000	< 0.1000	< 0.1000	1	12/15/95	11/20/95		
7439-95-4	MAGNESIUM	427.0000	417.0000	mg/L	0.5000	547.0000	< 0.0500	< 0.0500	2	09/18/96	06/08/96		
7439-95-4	MAGNESIUM	421.0000	427.0000	mg/L	0.5000	547.0000	< 0.0500	< 0.0500	3	10/01/96	09/26/96		
7439-95-4	MAGNESIUM	452.0000	454.0000	mg/L	1.0000	547.0000	< 0.1000	< 0.1000	4	06/26/97	08/19/97		
7439-95-4	MAGNESIUM	441.0000	425.0000	mg/L	0.5000	547.0000	< 0.0500	< 0.0500	5	10/27/97	09/25/97		
7439-95-4	MAGNESIUM	485.0000	488.4050	mg/L	0.0720	547.0000	< 0.0720	< 0.0720	6	05/22/98	05/20/98		
7439-95-4	MAGNESIUM	508.0000	484.0000	mg/L	0.5000	547.0000	< 0.1000	< 0.1000	7	11/27/98	10/07/98		
7439-95-4	MAGNESIUM	474.0000	547.0000	mg/L	1.0000	547.0000	< 1.0000	< 1.0000	8	05/12/99	05/05/99		
7439-95-4	MAGNESIUM	484.0000	515.0000	mg/L	0.5000	547.0000	< 0.5000	< 0.5000	9	12/01/99	10/27/99		
7439-95-4	MAGNESIUM	850.0000	431.0000	mg/L	5.0000	547.0000	0.2200	0.2200	10	05/24/00	04/28/00		
7439-95-4	MAGNESIUM	500.0000	450.0000	mg/L	5.0000	547.0000			10	08/18/00	04/28/00		
7439-95-4	MAGNESIUM	454.0000	482.0000	mg/L	5.0000	547.0000		0.0590	11	11/24/00	11/01/00		
7439-95-4	MAGNESIUM	425.0000	437.0000	mg/L	5.0000	547.0000			12	06/25/01	05/02/01		
7439-95-4	MAGNESIUM	545.0000	545.0000	mg/L	0.2000	547.0000			13	11/05/01	10/31/01		
7439-95-4	MAGNESIUM	451.0000	457.0000	mg/L	0.5000	547.0000			14	05/08/02	05/01/02		
7439-95-4	MAGNESIUM	426.0000	443.0000	mg/L	0.5000	547.0000			15	11/08/02	10/30/02		
7439-95-4	MAGNESIUM	485.0000	481.0000	mg/L	0.5000	547.0000			16	04/29/03	04/23/03		
7439-95-4	MAGNESIUM	449.0000	445.0000	mg/L	0.5000	547.0000			17	11/03/03	10/29/03		

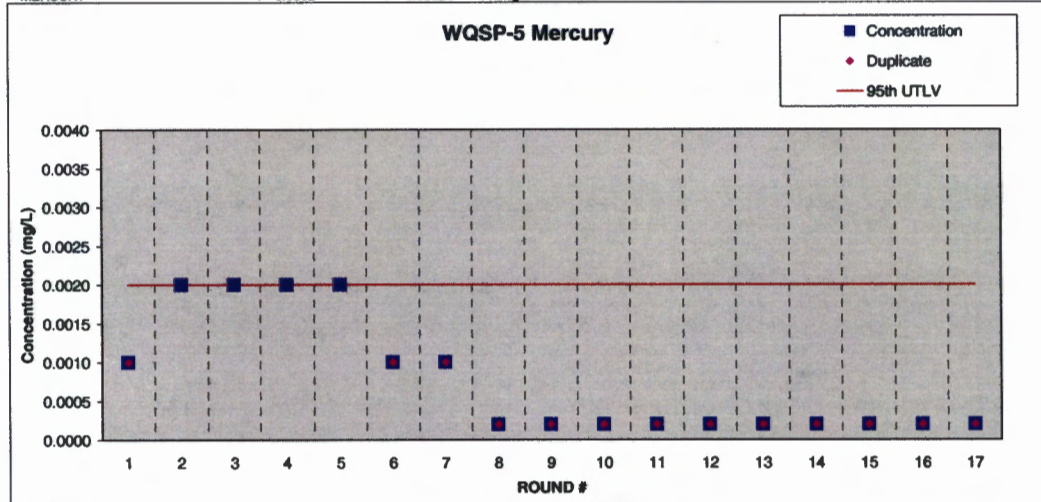


WQSP-5 Nickel											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====			==		==	==	==	==		=====	=====
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		2	06/18/96	06/09/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		3	10/01/96	09/28/96
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.1000	< 0.0100		4	09/28/97	09/19/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.1000	< 0.0100		5	10/27/97	09/25/97
7440-02-0	NICKEL	< 0.0800	< 0.0800	mg/L	0.0080	0.1000		< 0.0080	6	05/22/98	05/20/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	7	11/27/98	10/07/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	8	05/12/99	05/05/99
7440-02-0	NICKEL	< 0.0200	< 0.0200	mg/L	0.0200	0.1000		< 0.0200	9	11/15/99	10/27/99
7440-02-0	NICKEL	< 0.0500	0.0007	mg/L	0.0500	0.1000		< 0.0500	10	05/24/00	04/28/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.1000			11	12/12/00	11/01/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.1000			12	05/28/01	05/02/01
7440-02-0	NICKEL	< 0.1250	< 0.1250	mg/L	0.0250	0.1000		0.0040	13	11/05/01	10/31/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	14	05/03/02	05/01/02
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	15	11/07/02	10/30/02
7440-02-0	NICKEL	0.0480	0.0340	mg/L	0.0250	0.1000		< 0.0250	16	04/30/03	04/23/03
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0250	17	11/03/03	10/29/03

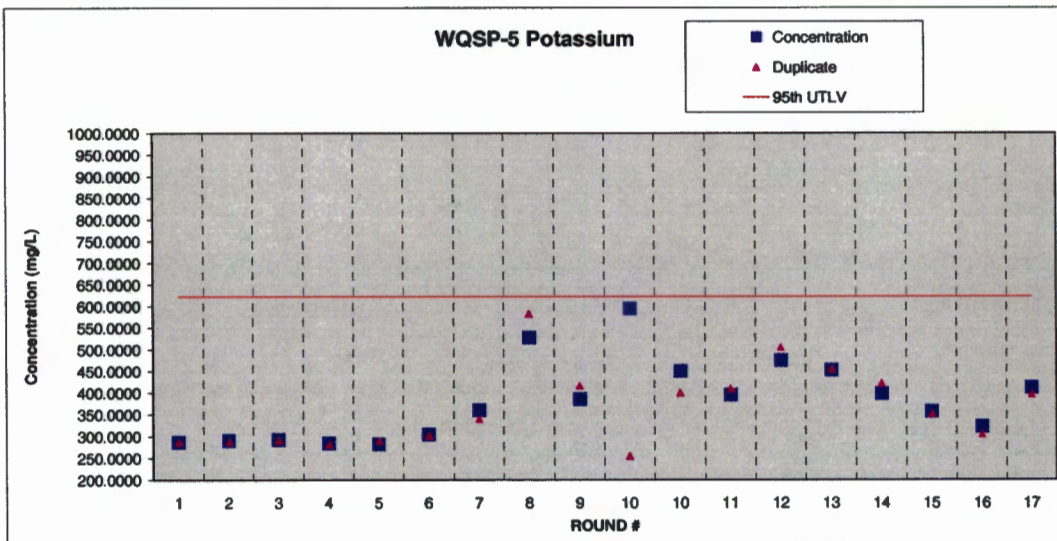


WQSP-5 Mercury

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020	< 0.0002	< 0.0002	1	12/11/96	11/20/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		2	08/07/98	08/08/98
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		3	09/30/98	09/28/98
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		4	08/24/97	08/19/97
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		5	09/30/97	09/25/97
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0001	0.0020		< 0.0001	6	05/22/98	05/20/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020		< 0.0010	7	10/11/98	10/07/98
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	8	05/08/99	05/05/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	9	11/01/99	10/27/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	10	05/02/00	04/26/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	11	11/15/00	11/01/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			12	05/09/01	05/02/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020			13	11/27/01	10/31/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	14	05/13/02	05/01/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	15	11/04/02	10/30/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	16	05/01/03	04/23/03
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	17	11/05/03	10/29/03

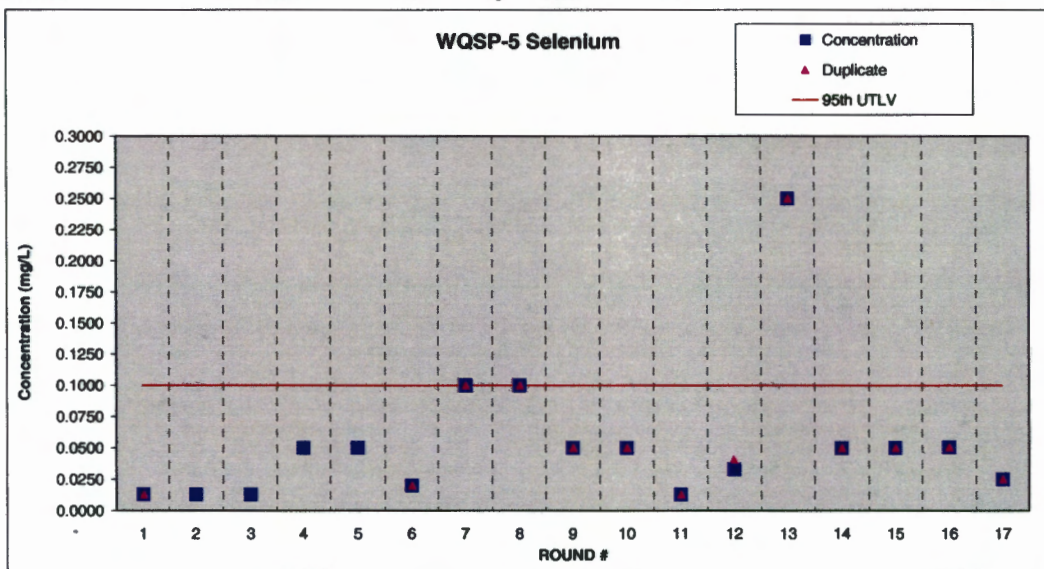


WQSP-5 Potassium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-09-7	POTASSIUM	286.0000	286.0000	mg/L	2.0000	622.0000	< 0.2000	< 0.2000	1	12/15/95	11/20/95
7440-09-7	POTASSIUM	290.0000	288.0000	mg/L	2.0000	622.0000	< 0.2000	< 0.2000	2	06/13/96	06/06/96
7440-09-7	POTASSIUM	292.0000	291.0000	mg/L	2.0000	622.0000	< 0.2000	< 0.2000	3	10/02/96	09/26/96
7440-09-7	POTASSIUM	284.0000	281.0000	mg/L	2.0000	622.0000	< 0.2000	< 0.2000	4	06/25/97	06/19/97
7440-09-7	POTASSIUM	282.0000	290.0000	mg/L	2.0000	622.0000	< 0.2000	< 0.2000	5	10/21/97	09/25/97
7440-09-7	POTASSIUM	304.0000	301.2500	mg/L	0.0740	622.0000	< 0.0740	< 0.0740	6	05/22/98	05/20/98
7440-09-7	POTASSIUM	360.0000	340.0000	mg/L	0.5000	622.0000	< 0.1000	< 0.1000	7	11/27/98	10/07/98
7440-09-7	POTASSIUM	527.0000	582.0000	mg/L	1.0000	622.0000	< 1.0000	< 1.0000	8	05/12/99	05/05/99
7440-09-7	POTASSIUM	385.0000	416.0000	mg/L	0.5000	622.0000	< 0.5000	< 0.5000	9	12/01/99	10/27/99
7440-09-7	POTASSIUM	594.0000	254.0000	mg/L	5.0000	622.0000	0.1500	0.1500	10	05/24/00	04/23/00
7440-09-7	POTASSIUM	450.0000	400.0000	mg/L	5.0000	622.0000			10	06/19/00	06/19/00
7440-09-7	POTASSIUM	395.0000	410.0000	mg/L	5.0000	622.0000			11	11/24/00	11/01/00
7440-09-7	POTASSIUM	474.0000	505.0000	mg/L	5.0000	622.0000			12	06/25/01	05/02/01
7440-09-7	POTASSIUM	452.0000	454.0000	mg/L	0.2000	622.0000			13	11/05/01	10/31/01
7440-09-7	POTASSIUM	398.0000	422.0000	mg/L	0.5000	622.0000			14	05/06/02	05/01/02
7440-09-7	POTASSIUM	357.0000	361.0000	mg/L	0.5000	622.0000			15	11/08/02	10/30/02
7440-09-7	POTASSIUM	322.0000	304.0000	mg/L	0.5000	622.0000			16	04/29/03	04/23/03
7440-09-7	POTASSIUM	411.0000	396.0000	mg/L	0.5000	622.0000			17	11/03/03	10/29/03



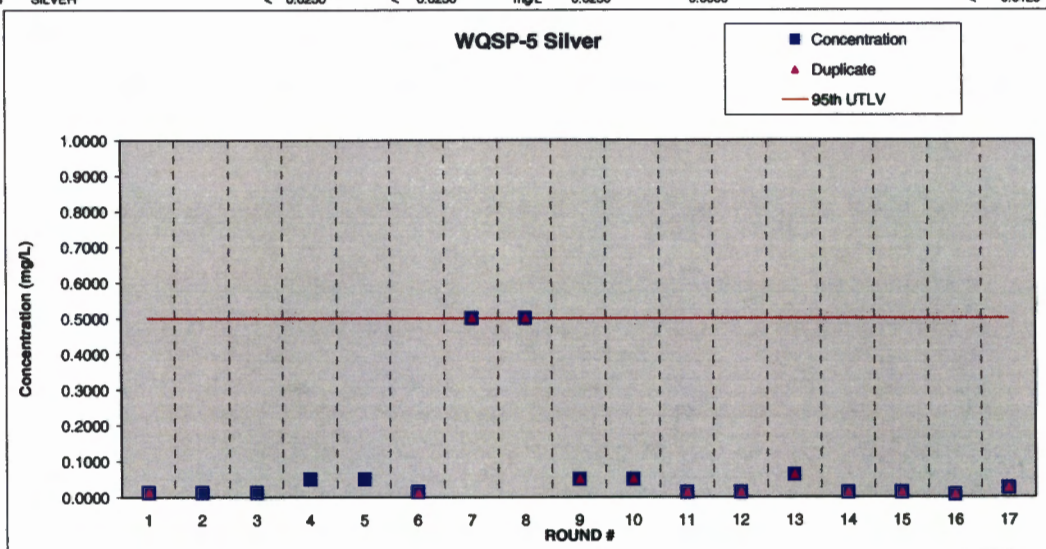
WQSP-5 Selenium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.1000	< 0.0050	< 0.0050	1	12/18/95	11/20/95
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		2	09/18/96	08/08/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		3	10/01/96	09/28/96
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1000	< 0.0050		4	08/28/97	08/18/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1000	< 0.0050		5	10/27/97	09/25/97
7782-49-2	SELENIUM	< 0.0200	< 0.0200	mg/L	0.0010	0.1000		< 0.0010	6	05/22/98	05/20/98
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.0100	0.1000		< 0.1000	7	11/27/98	10/07/98
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	8	05/12/99	05/05/99
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	9	11/15/99	10/27/99
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	10	05/24/00	04/28/00
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.1000			11	12/12/00	11/01/00
7782-49-2	SELENIUM	0.0330	0.0410	mg/L	0.0130	0.1000			12	05/28/01	05/02/01
7782-49-2	SELENIUM	< 0.2500	< 0.2500	mg/L	0.0130	0.1000		0.0108	13	11/05/01	10/31/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000	< 0.0500		14	05/03/02	05/01/02
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000	< 0.0500		15	11/07/02	10/30/02
7782-49-2	SELENIUM	< 0.0505	< 0.0505	mg/L	0.0500	0.1000	< 0.0500		16	04/30/03	04/23/03
7782-49-2	SELENIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000	< 0.0500		17	11/03/03	10/29/03

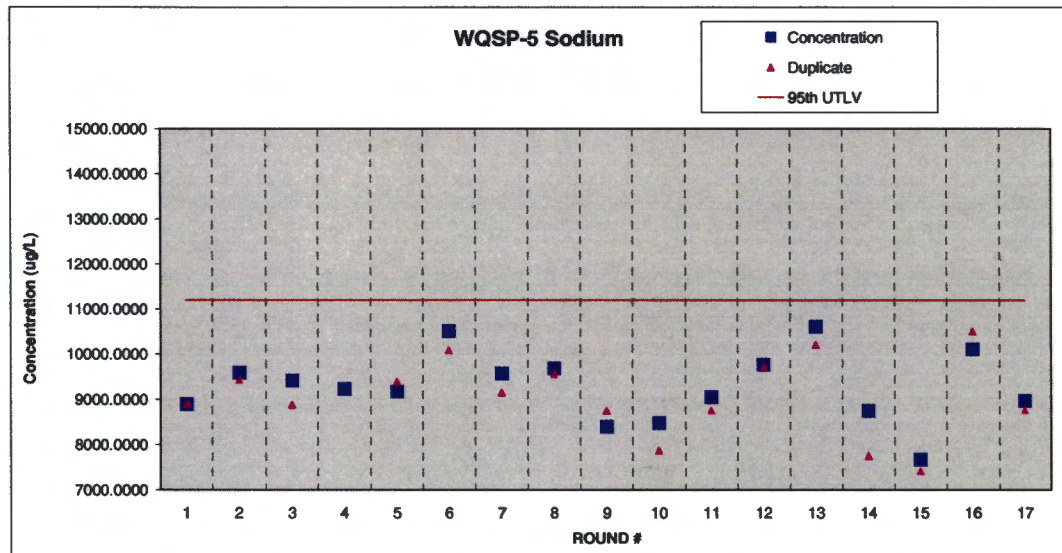


WQSP-5 Silver

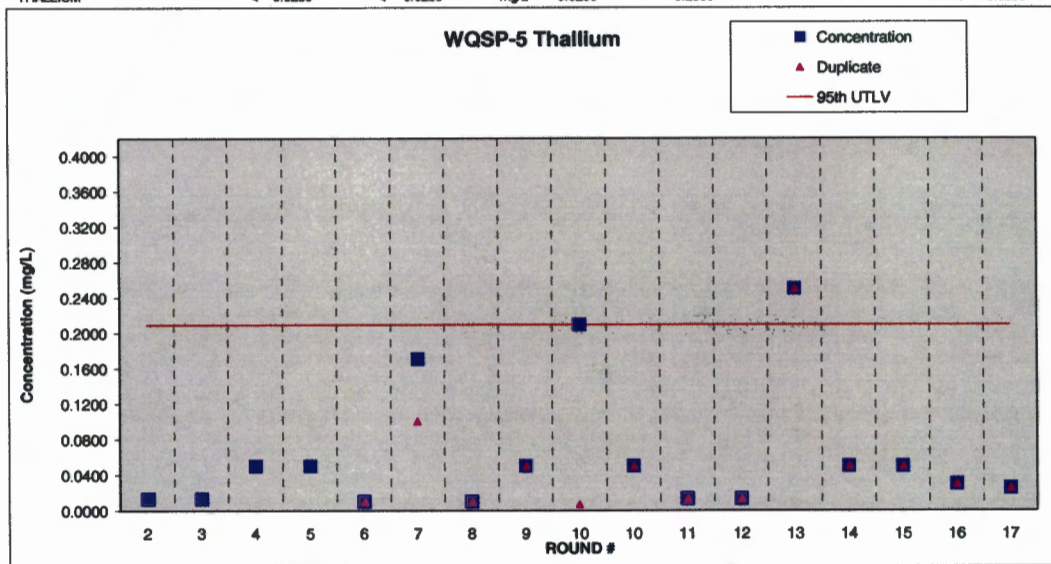
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000	< 0.0050	< 0.0050	1	12/18/95	11/20/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	08/18/96	08/08/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	10/01/96	09/28/96
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		4	08/28/97	08/18/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	10/27/97	09/25/97
7440-22-4	SILVER	0.0145	0.0100	mg/L	0.0010	0.5000		< 0.0010	6	05/22/98	05/20/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/98	10/07/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/12/99	05/05/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/15/99	10/27/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	10	05/24/00	04/28/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000		< 0.0130	11	12/12/00	11/01/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000			12	05/28/01	05/02/01
7440-22-4	SILVER	< 0.0825	< 0.0825	mg/L	0.0130	0.5000		0.0020	13	11/05/01	10/31/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	14	05/03/02	05/01/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	15	11/07/02	10/30/02
7440-22-4	SILVER	< 0.0080	< 0.0080	mg/L	0.0080	0.5000		< 0.0125	16	04/30/03	04/23/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0125	17	11/03/03	10/29/03



WQSP-5 Sodium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	8880.0000	8900.0000	mg/L	5.0000	11180.0000	< 0.5000	< 0.5000	1	12/15/95	11/20/95
7440-23-5	SODIUM	9580.0000	9420.0000	mg/L	25.0000	11180.0000	< 0.5000	< 0.5000	2	06/13/96	06/08/96
7440-23-5	SODIUM	9400.0000	8870.0000	mg/L	25.0000	11180.0000	< 0.5000	< 0.5000	3	10/02/96	09/28/96
7440-23-5	SODIUM	9220.0000	8230.0000	mg/L	25.0000	11180.0000	< 0.5000	< 0.5000	4	08/25/97	08/19/97
7440-23-5	SODIUM	9180.0000	9390.0000	mg/L	10.0000	11180.0000	< 0.2000	< 0.2000	5	10/21/97	09/25/97
7440-23-5	SODIUM	10900.0000	10078.3980	mg/L	0.0330	11180.0000		0.0330	6	05/22/98	05/20/98
7440-23-5	SODIUM	9580.0000	9140.0000	mg/L	0.5000	11180.0000		< 0.1000	7	11/27/98	10/07/98
7440-23-5	SODIUM	9875.0000	9545.0000	mg/L	1.0000	11180.0000		< 1.0000	8	05/12/99	05/05/99
7440-23-5	SODIUM	8380.0000	8738.0000	mg/L	0.5000	11180.0000		< 0.5000	9	12/01/99	10/27/99
7440-23-5	SODIUM	8470.0000	7880.0000	mg/L	0.0100	11180.0000		0.2000	10	05/24/00	04/28/00
7440-23-5	SODIUM	9040.0000	8750.0000	mg/L	5.0000	11180.0000		0.2210	11	12/22/00	11/01/00
7440-23-5	SODIUM	9756.0000	9712.0000	mg/L	5.0000	11180.0000			12	06/25/01	05/02/01
7440-23-5	SODIUM	10800.0000	10200.0000	mg/L	0.2000	11180.0000			13	11/05/02	10/31/01
7440-23-5	SODIUM	8740.0000	7750.0000	mg/L	0.5000	11180.0000			14	05/08/02	05/01/02
7440-23-5	SODIUM	7680.0000	7410.0000	mg/L	0.5000	11180.0000			15	11/08/02	10/30/02
7440-23-5	SODIUM	10100.0000	10500.0000	mg/L	0.5000	11180.0000			16	04/29/03	04/23/03
7440-23-5	SODIUM	8980.0000	8780.0000	mg/L	0.5000	11180.0000			17	11/03/03	10/29/03

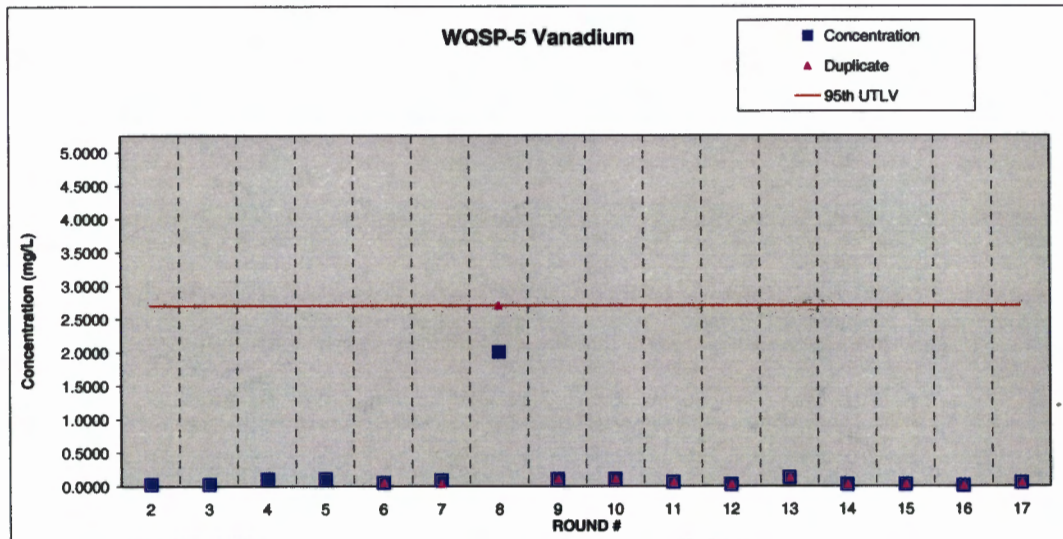


CAS #	PARAMETER	Concentration	VALUE Duplicate	WQSP-5 Thallium		95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
				UNITS	MINIMUM DETECTION LIMIT						
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.2080	< 0.0050		2	08/18/96	08/08/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.2080	< 0.0050		3	10/01/96	09/28/96
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.2080	< 0.0050		4	08/28/97	08/19/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.2080	< 0.0050		5	10/27/97	09/25/97
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.2080		< 0.0010	6	05/22/98	05/20/98
7440-28-0	THALLIUM	< 0.1700	< 0.1000	mg/L	0.0050	0.2080		< 0.1000	7	11/27/98	10/07/98
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.2080		< 0.0100	8	05/12/99	05/05/99
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2080		< 0.0500	9	11/15/99	10/27/99
7440-28-0	THALLIUM	0.2080	0.0057	mg/L	0.0500	0.2080		< 0.0500	10	05/24/00	04/28/00
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2080			10	08/19/00	04/28/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.2080		0.0170	11	01/04/01	11/01/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0100	0.2080			12	05/28/01	05/02/01
7440-28-0	THALLIUM	< 0.2500	< 0.2500	mg/L	0.0130	0.2080		0.0284	13	11/05/01	10/31/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2080			14	05/03/02	05/01/02
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2080		< 0.0500	15	11/07/02	10/30/02
7440-28-0	THALLIUM	< 0.0300	< 0.0300	mg/L	0.0300	0.2080		< 0.0500	16	04/30/03	04/23/03
7440-28-0	THALLIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.2080		< 0.0500	17	11/03/03	10/29/03



WQSP-5 Vanadium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	2.7000	< 0.0100		2	06/18/96	06/06/96
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	2.7000	< 0.0100		3	10/01/96	09/28/96
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	2.7000	< 0.0100		4	08/26/97	08/19/97
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	2.7000	< 0.0100		5	10/27/97	09/25/97
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0050	2.7000		< 0.0050	6	05/22/98	05/20/98
7440-82-2	VANADIUM	0.0800	0.0320	mg/L	0.1000	2.7000		< 0.0100	7	11/27/98	10/07/98
7440-82-2	VANADIUM	2.0000	2.7000	mg/L	0.5000	2.7000		< 0.5000	8	05/13/99	05/05/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	2.7000		< 0.1000	9	11/15/99	10/27/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	2.7000		< 0.1000	10	05/24/00	04/26/00
7440-82-2	VANADIUM	0.0580	0.0550	mg/L	0.0250	2.7000		0.0120	11	12/12/00	11/01/00
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.7000			12	05/28/01	05/02/01
7440-82-2	VANADIUM	< 0.1250	< 0.1250	mg/L	0.0250	2.7000		0.0040	13	11/05/01	10/31/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.7000		< 0.0250	14	05/03/02	05/01/02
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	2.7000		< 0.0250	15	11/07/02	10/30/02
7440-82-2	VANADIUM	< 0.0052	< 0.0052	mg/L	0.0050	2.7000		< 0.0250	16	04/30/03	04/23/03
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	2.7000		< 0.0250	17	11/03/03	10/29/03

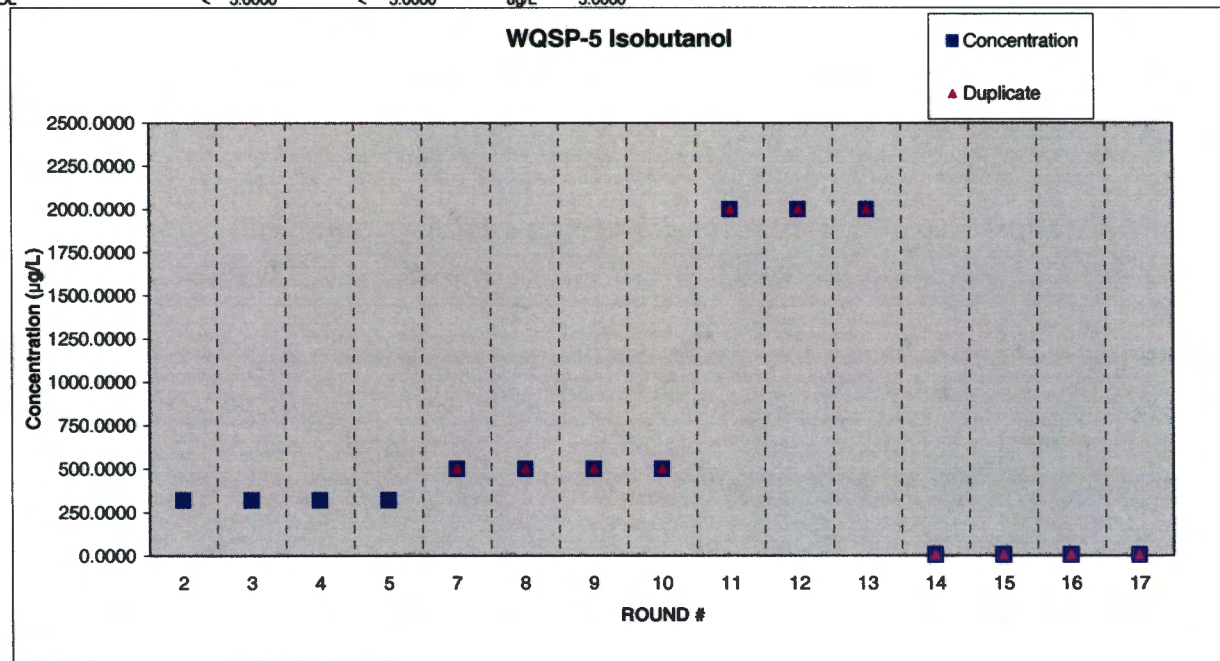


WELL WQSP-5

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**

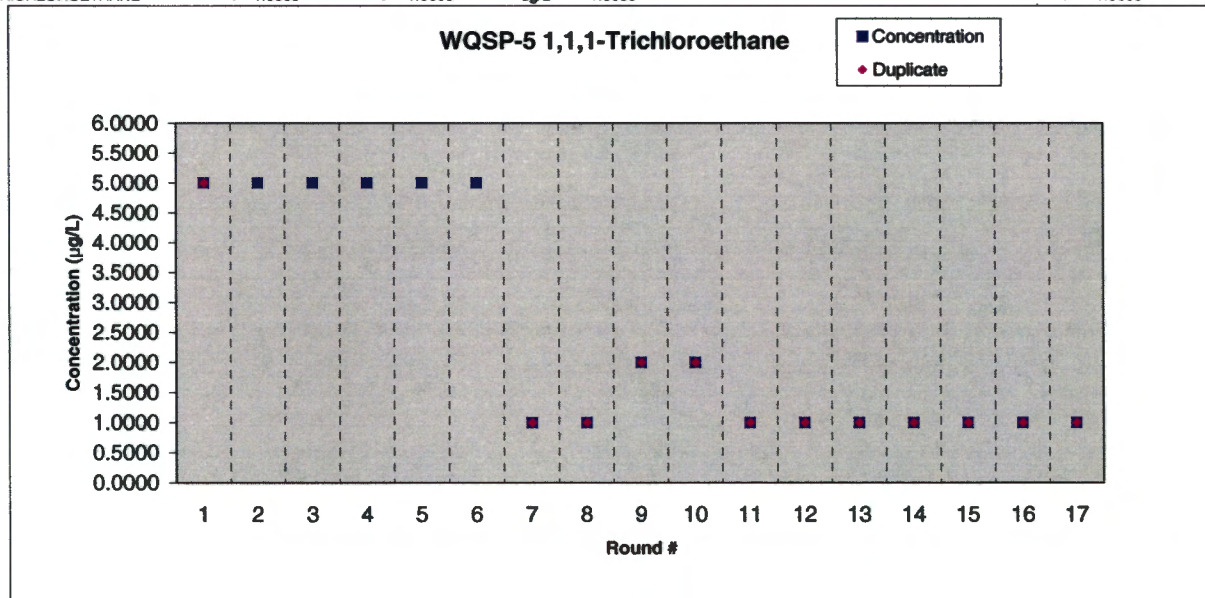
WQSP-5 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	2	06/19/96	06/06/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	3	10/04/96	09/26/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		4	06/24/97	06/19/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		5	10/01/97	09/25/97
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				7	10/20/98	10/07/98
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	8	05/10/99	05/05/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	9	11/09/99	10/27/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000			< 500.0000	10		
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			< 2000.0000	11	11/10/00	11/01/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000			2000.0000	12	05/08/01	05/02/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				13	11/08/01	10/31/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/09/02	05/01/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	11/04/02	10/30/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/01/03	10/29/03



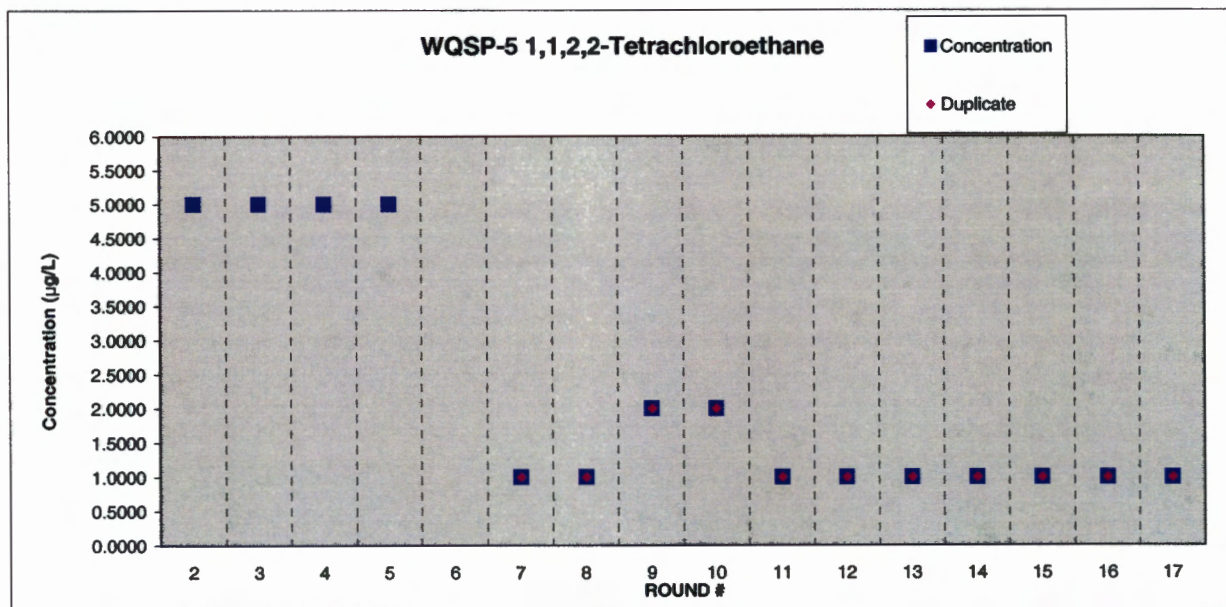
WQSP-5 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	11/30/95	11/20/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



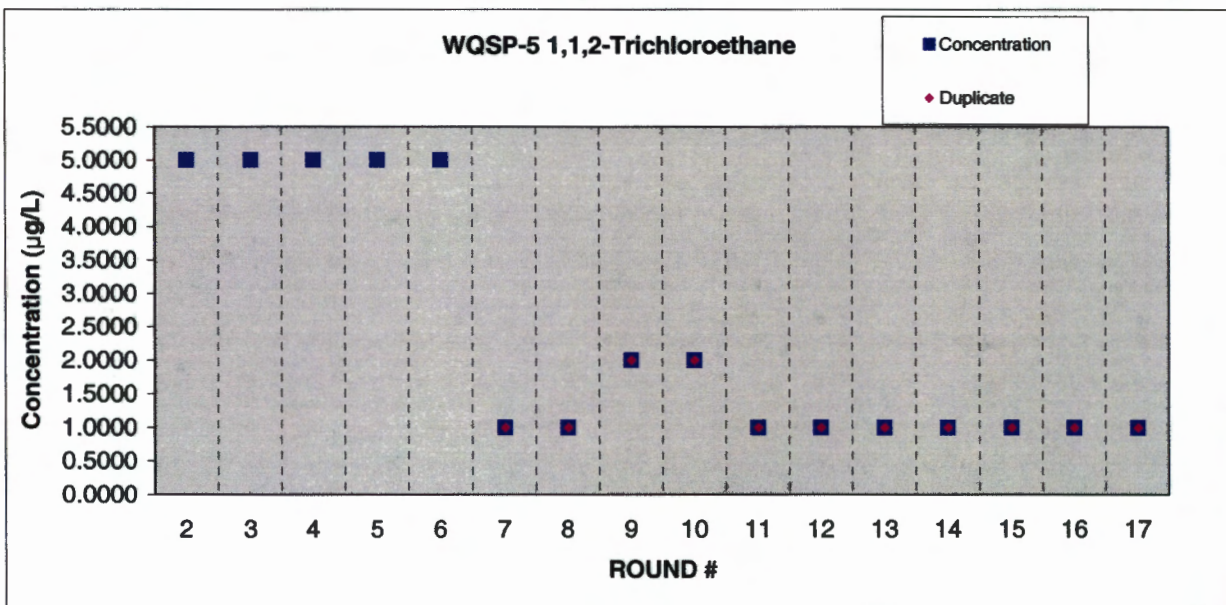
WQSP-5 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/08/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/26/98	05/20/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



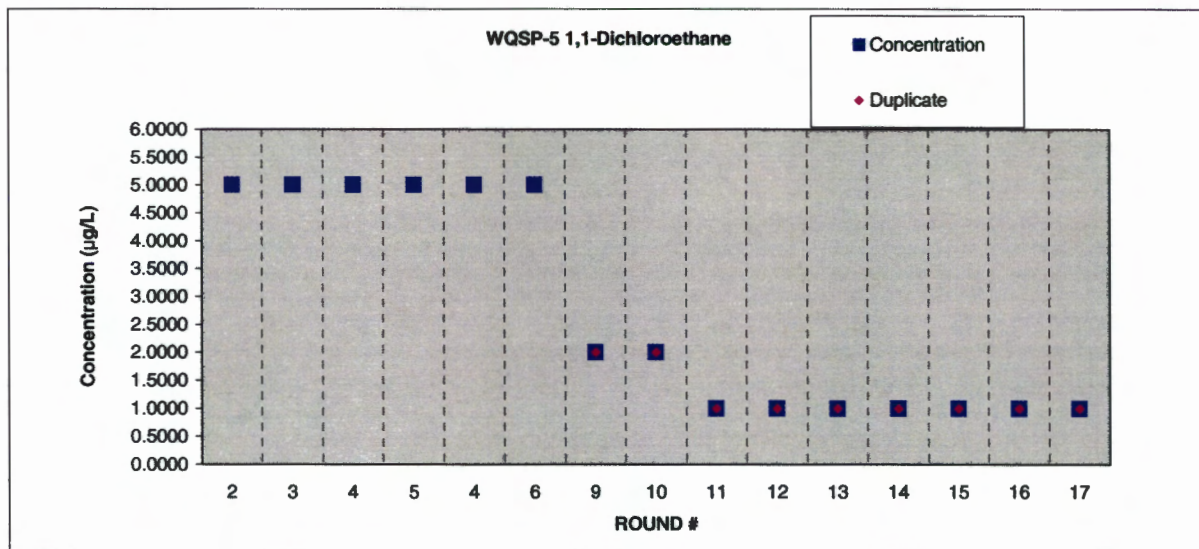
WQSP-5 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/28/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



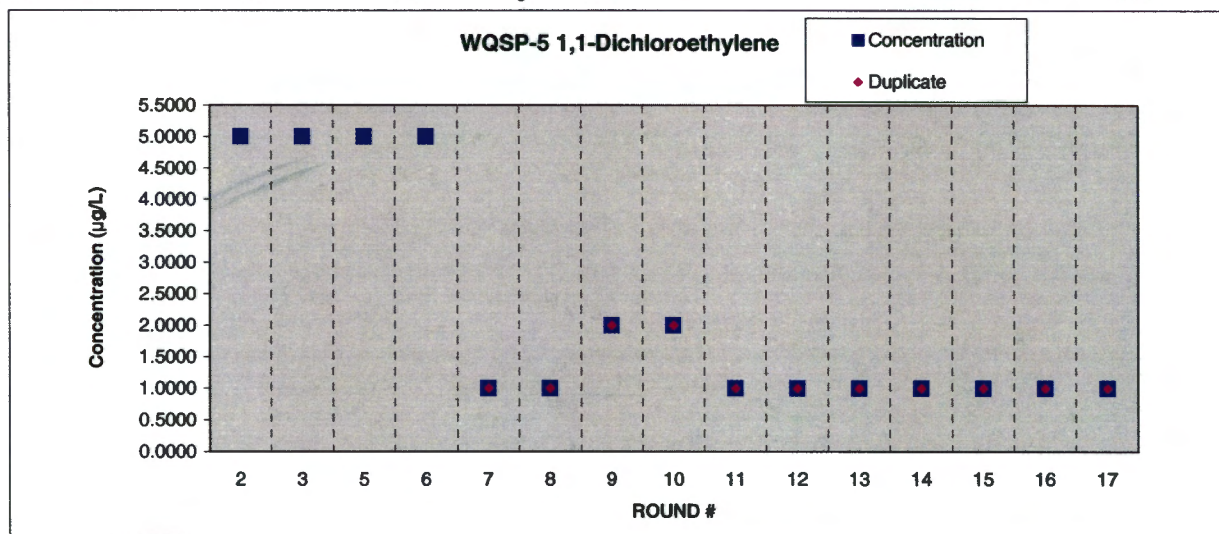
WQSP-5 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



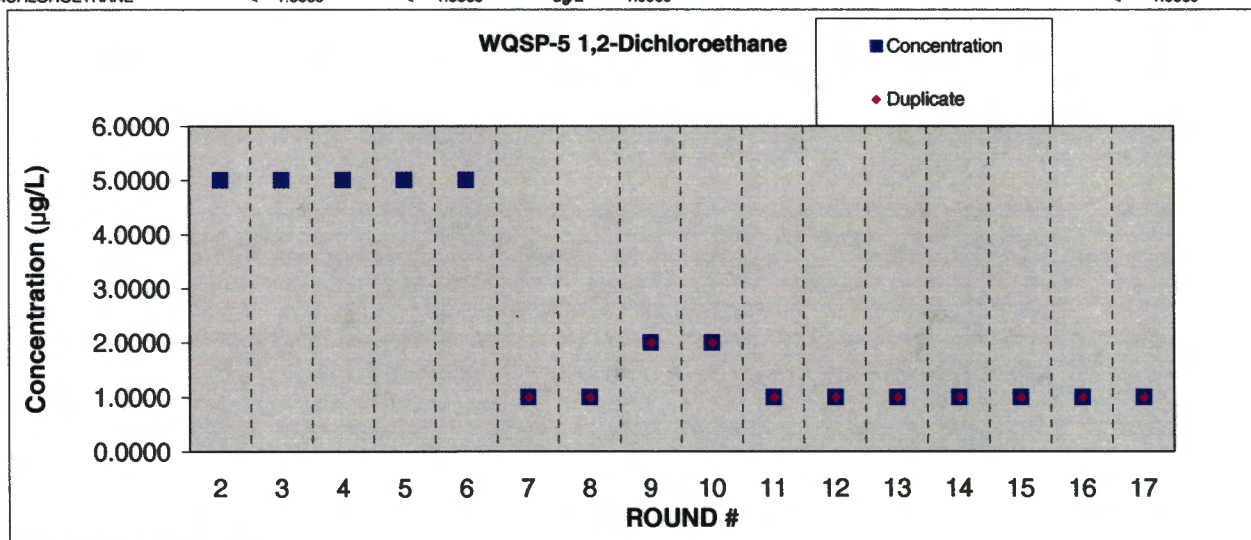
WQSP-5 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



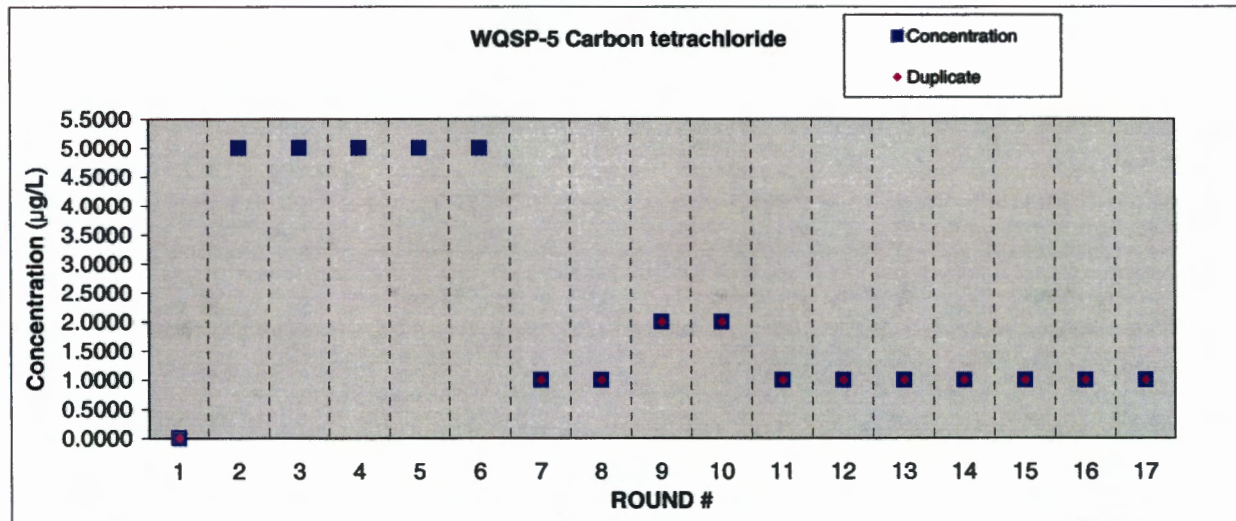
WQSP-5 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



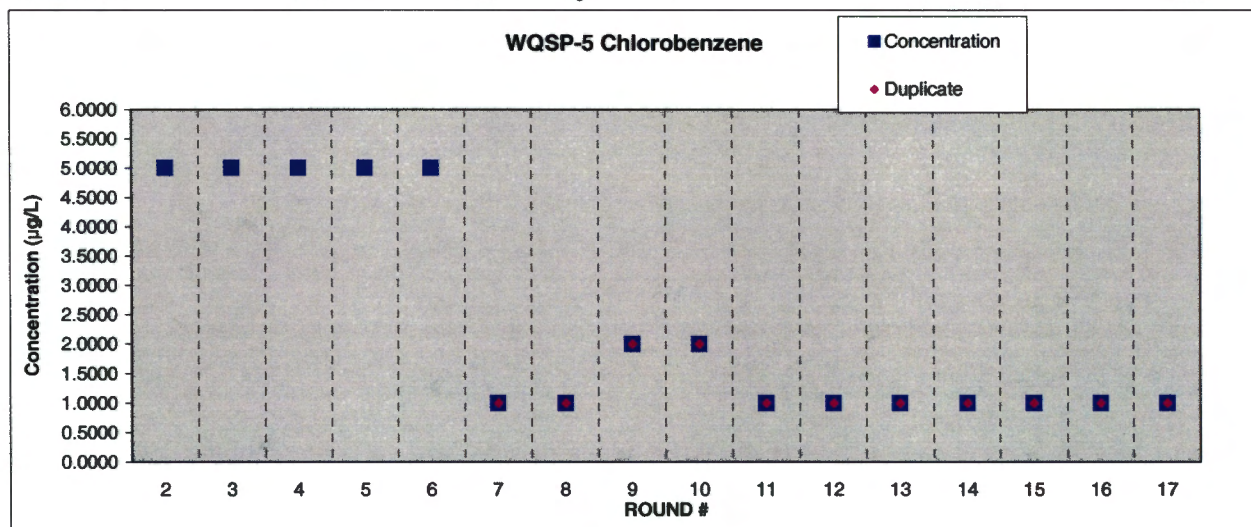
WQSP-5 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 0.0050	< 0.0050	mg/L	0.0050			< 0.0050	1	11/30/96	11/20/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03

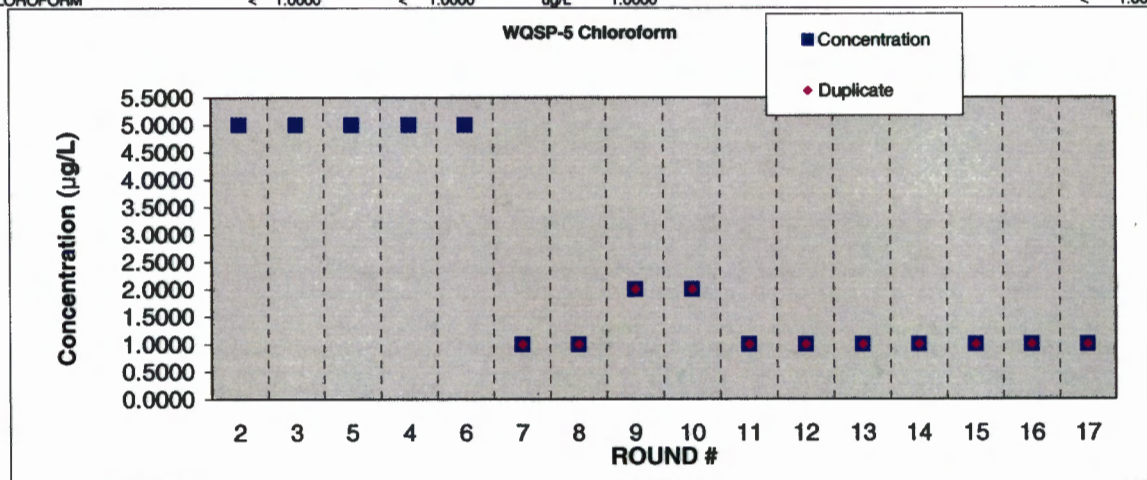


WQSP-5 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/28/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03

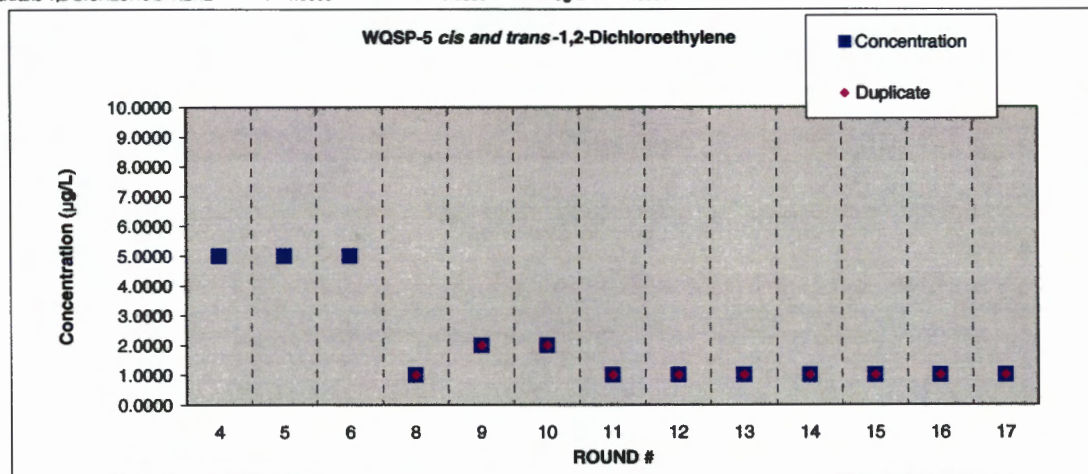


WQSP-5 Chloroform												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
=	=	=	=	=	=	=	=	=	=	=	=	
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96	
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96	
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97	
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97	
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99	
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99	
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03	
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03	



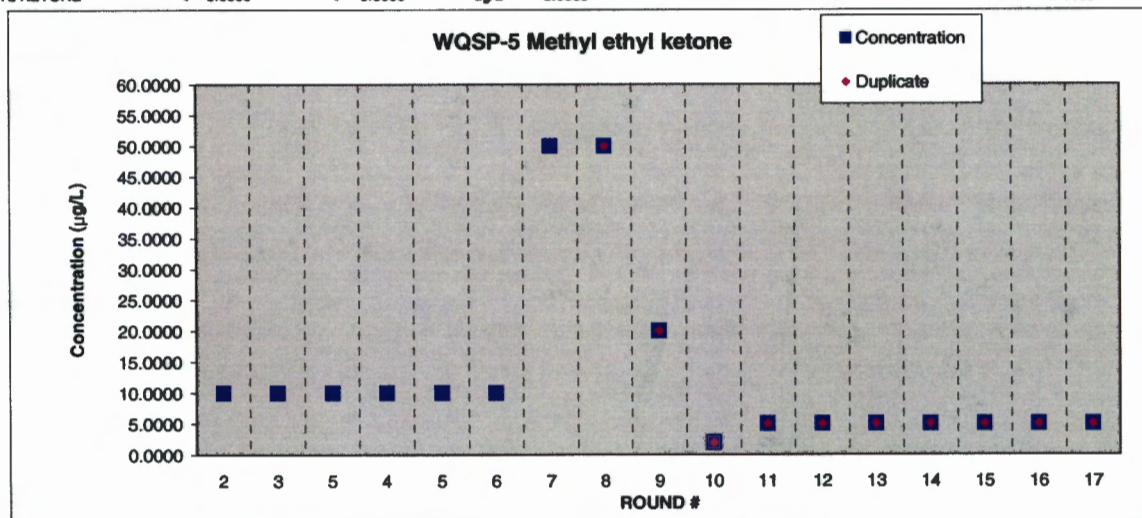
WQSP-5 cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



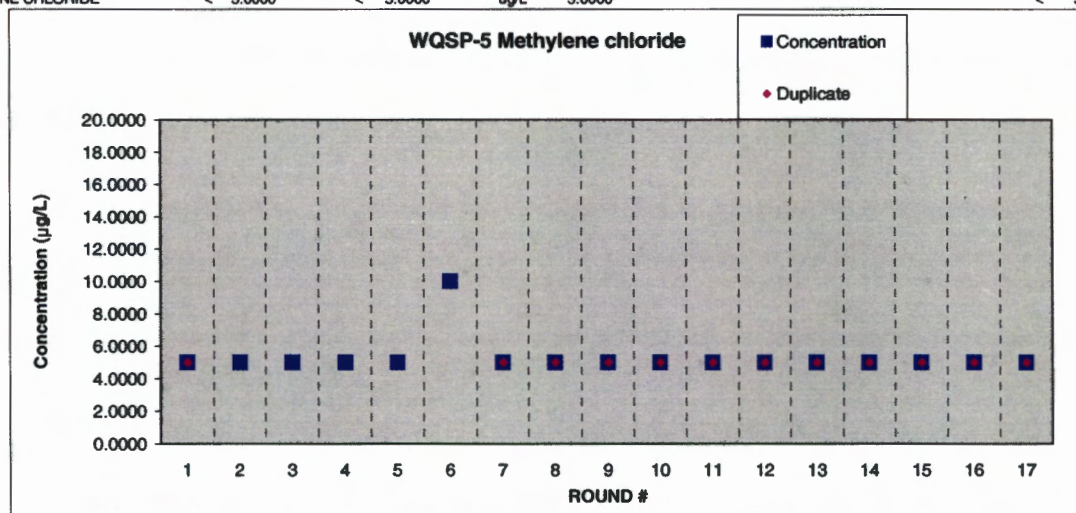
WQSP-5 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	06/10/96	06/08/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	10/08/96	09/26/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/30/97	09/25/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/02/97	06/19/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	5	05/26/98	05/20/98
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/26/98	05/20/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	10/16/98	09/23/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	05/11/99	05/05/99
78-93-3	METHYL ETHYL KETONE	< 20.0000	< 20.0000	ug/L	20.0000			< 20.0000	9	10/28/99	10/27/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	11/12/00	11/01/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	05/10/01	05/02/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/03/01	10/31/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/08/02	05/01/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	11/04/02	10/30/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/29/03	04/23/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/31/03	10/29/03



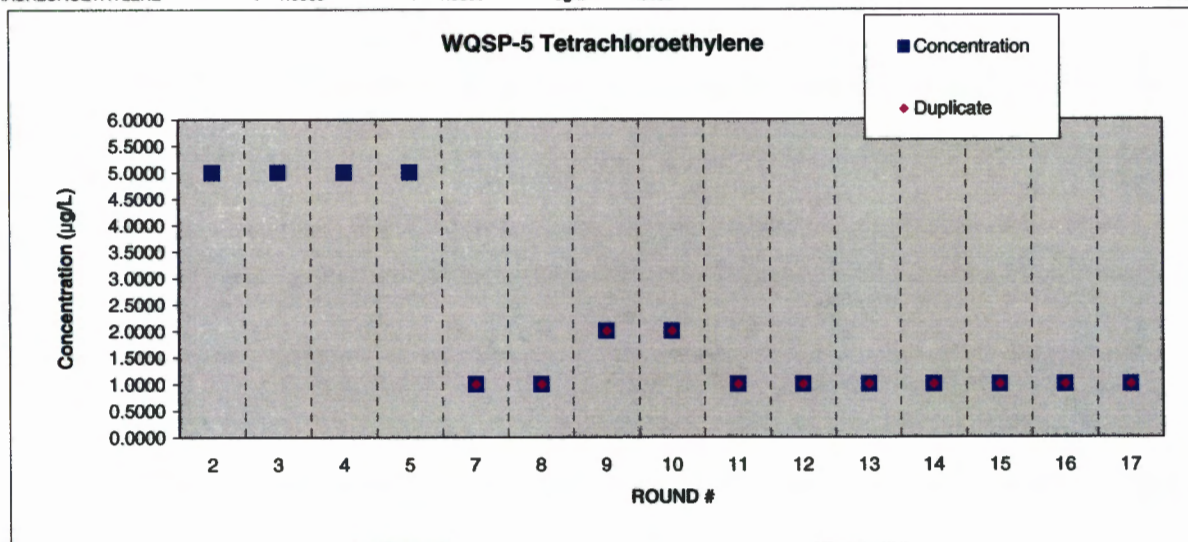
WQSP-5 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
74-95-3	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	11/30/95	11/20/95
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		12.0000		4	07/02/97	06/19/97
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
75-09-2	METHYLENE CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/26/98	05/20/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	7	10/16/98	10/07/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	05/11/99	05/05/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	10/28/99	10/27/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	04/27/00	04/26/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	11/12/00	11/01/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	05/10/01	05/02/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/03/01	10/31/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/08/02	05/01/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	11/04/02	10/30/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	04/29/03	04/23/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	10/31/03	10/29/03



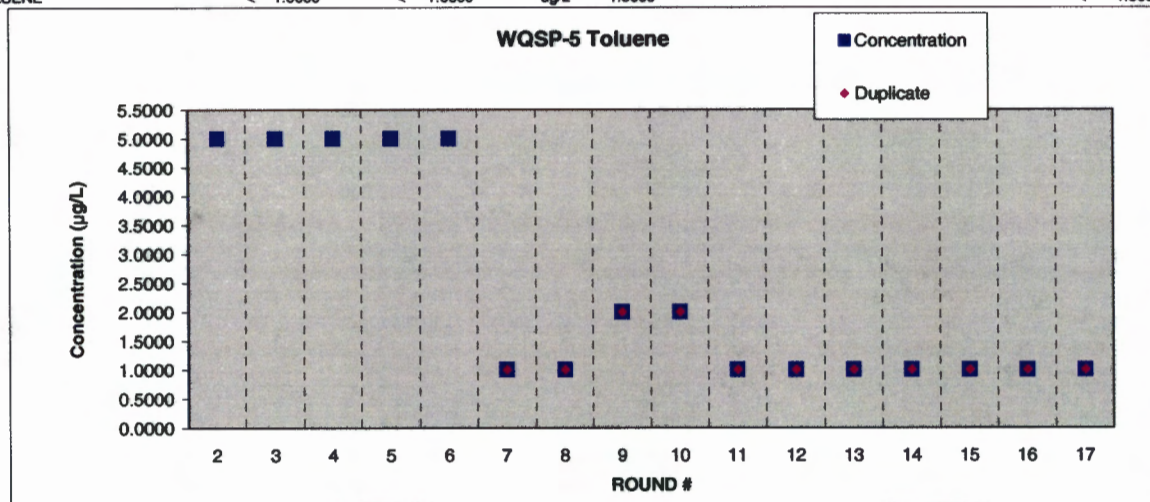
WQSP-5 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/06/96	09/26/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



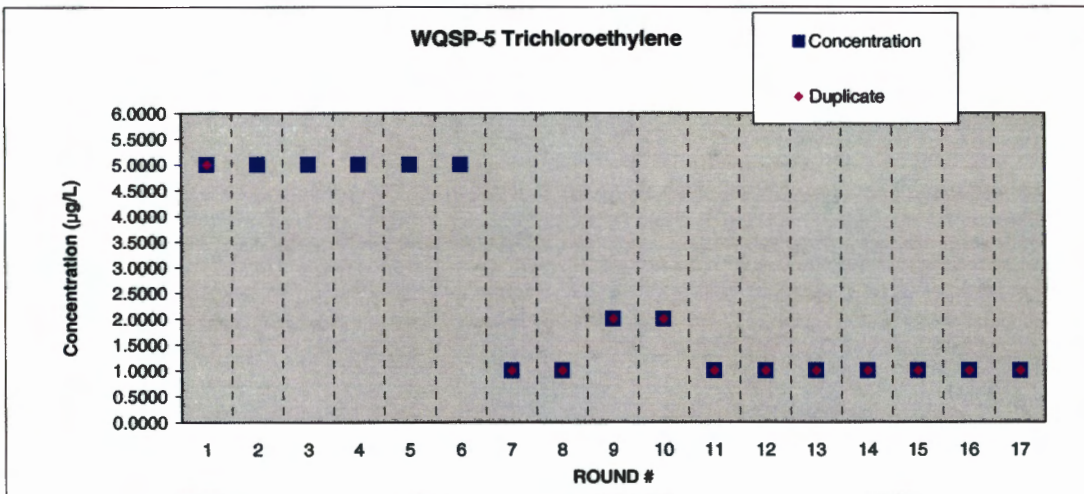
WQSP-5 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/08/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/28/98	05/20/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/01	05/01/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



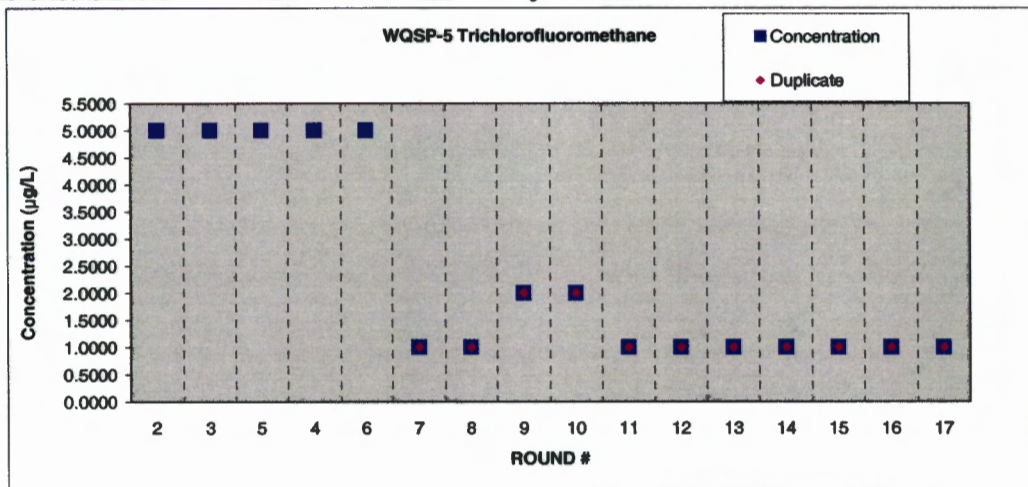
WQSP-5 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHYLENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	11/30/95	11/20/95
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



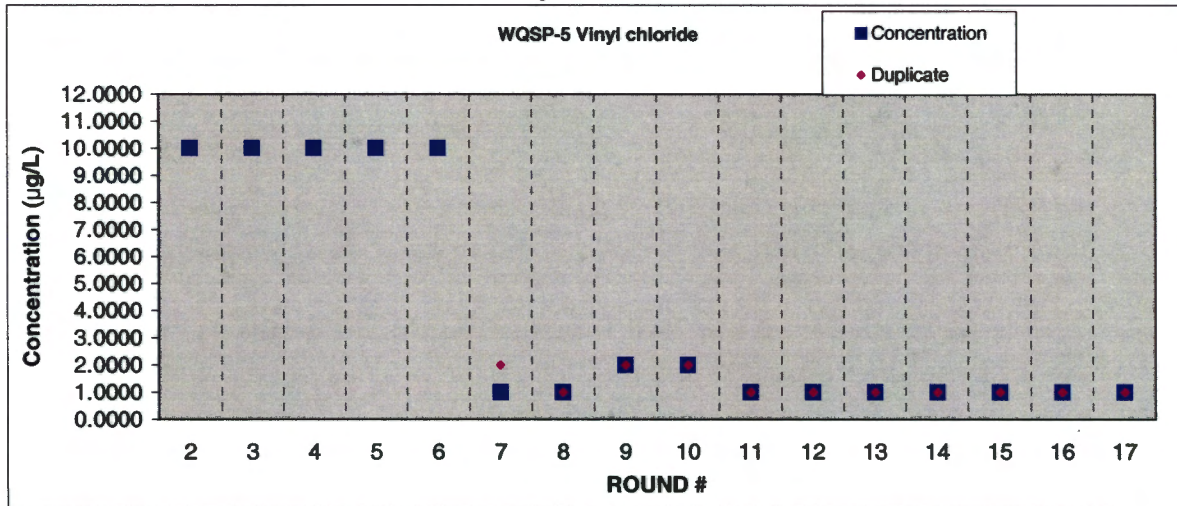
WQSP-5 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	06/10/96	06/06/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	10/08/96	09/26/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	09/30/97	09/25/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	07/02/97	06/19/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



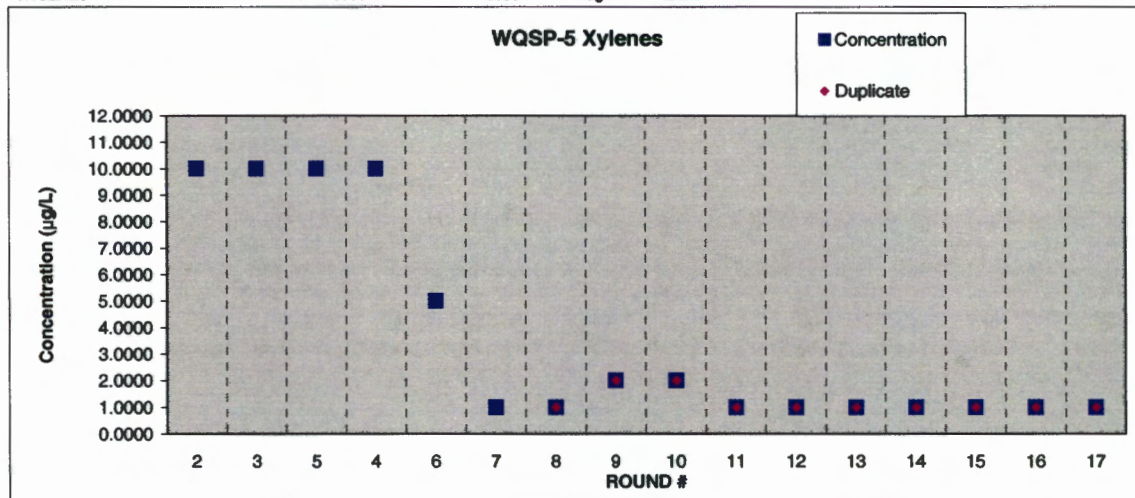
WQSP-5 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	06/10/96	06/06/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	10/08/96	09/26/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/02/97	06/19/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	09/30/97	09/25/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 2.0000	ug/L	1.0000			< 1.0000	7	10/16/98	10/07/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



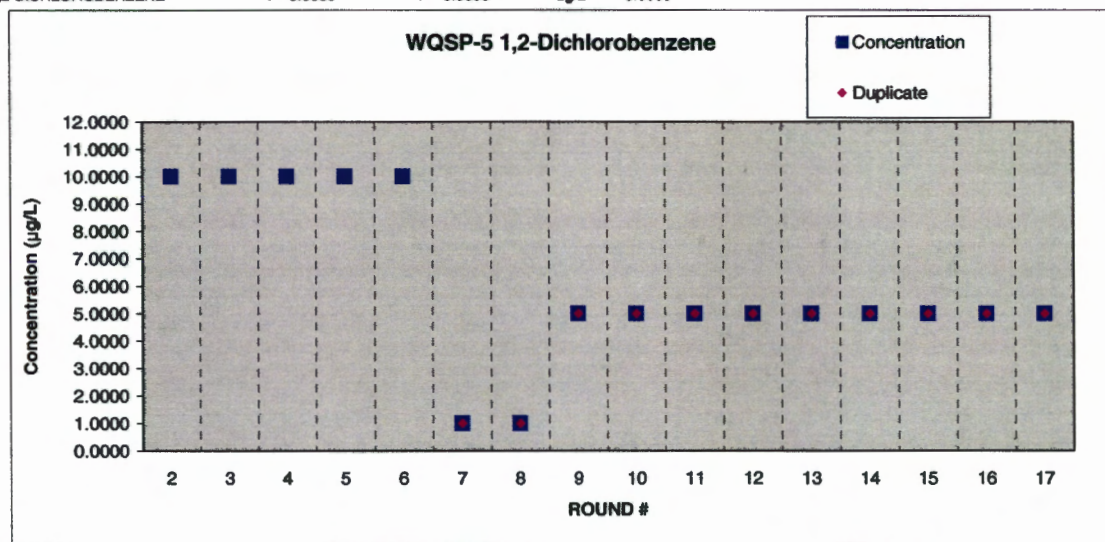
WQSP-5 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	06/10/96	06/06/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	10/08/96	09/26/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	09/30/97	09/25/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	07/02/97	06/19/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	05/26/98	05/20/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	10/16/98	09/23/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/11/99	05/05/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	10/28/99	10/27/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	04/27/00	04/26/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/12/00	11/01/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/10/01	05/02/01
1320-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/03/01	10/31/01
1320-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/08/02	05/01/02
1320-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/04/02	10/30/02
1320-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	04/29/03	04/23/03
1320-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	10/31/03	10/29/03



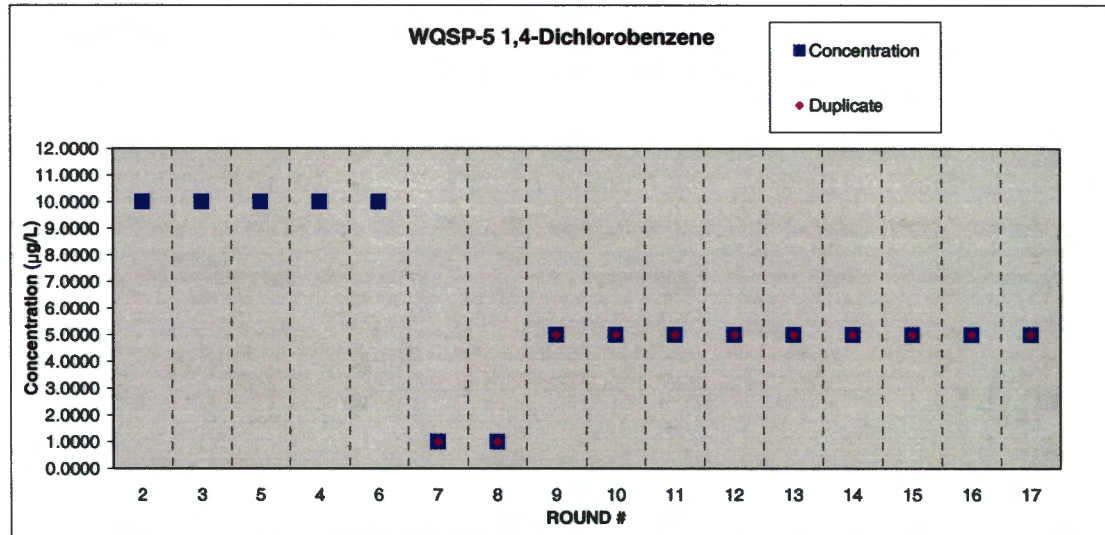
WQSP-5 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



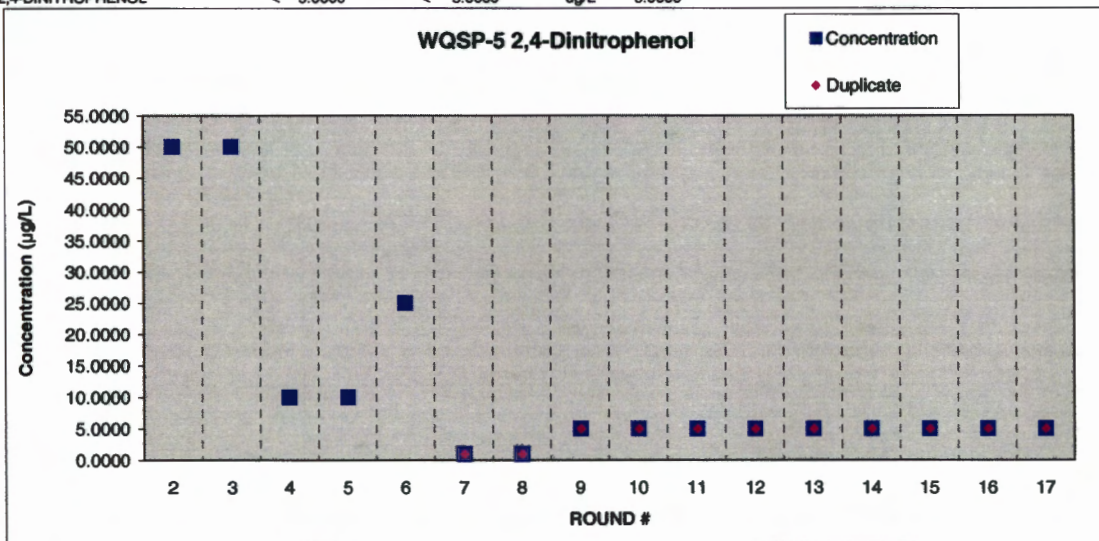
WQSP-5 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/26/98	05/20/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/01/00	04/28/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/08/02	10/30/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



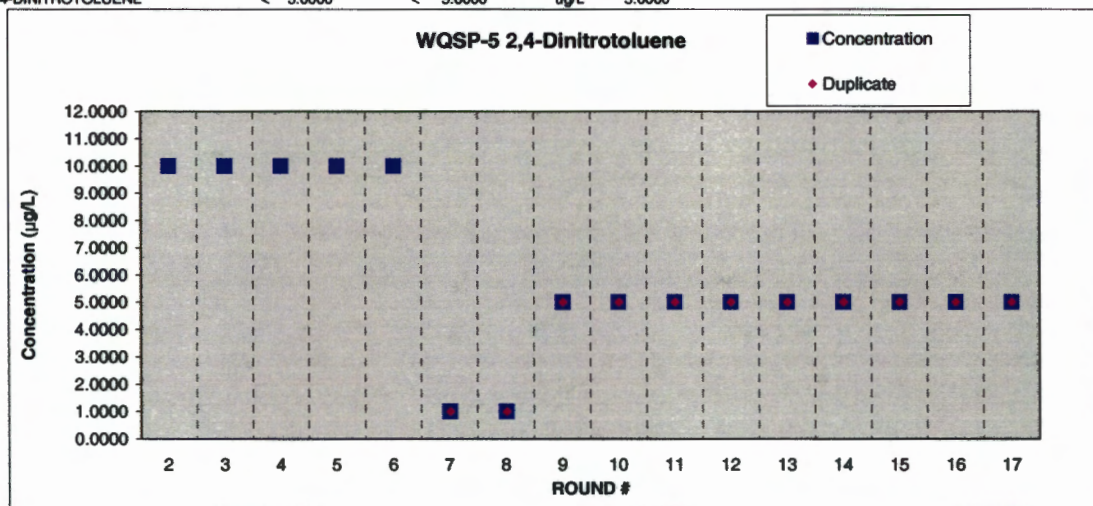
WQSP-5 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	06/13/96	06/06/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	10/09/96	09/26/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
51-28-5	2,4-DINITROPHENOL	< 25.0000		ug/L	25.0000			< 25.0000	6	05/28/98	05/20/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	10/09/98	10/07/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	8	05/12/99	05/05/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	9	11/01/99	10/27/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	10	05/01/00	04/26/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



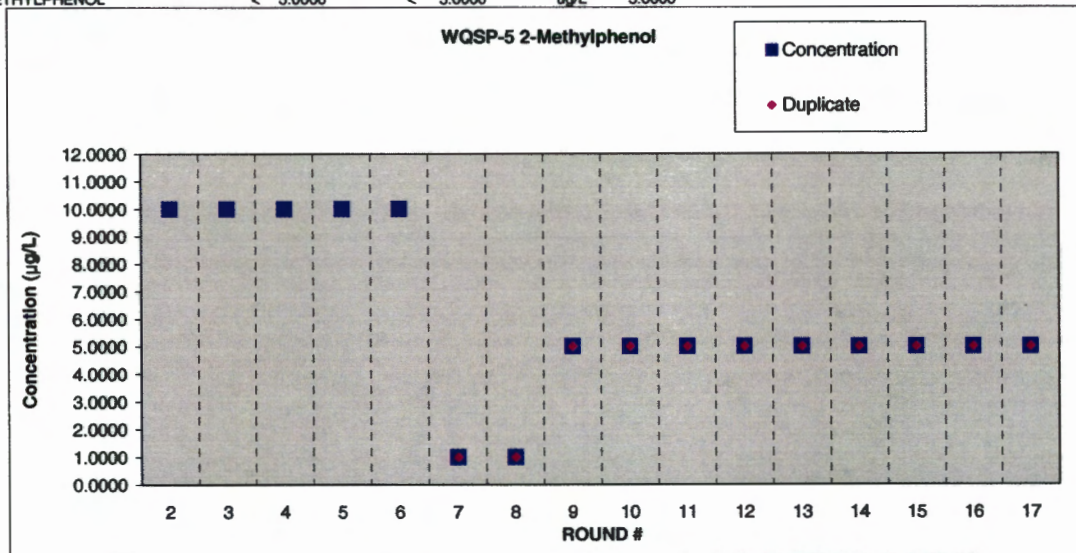
WQSP-5 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



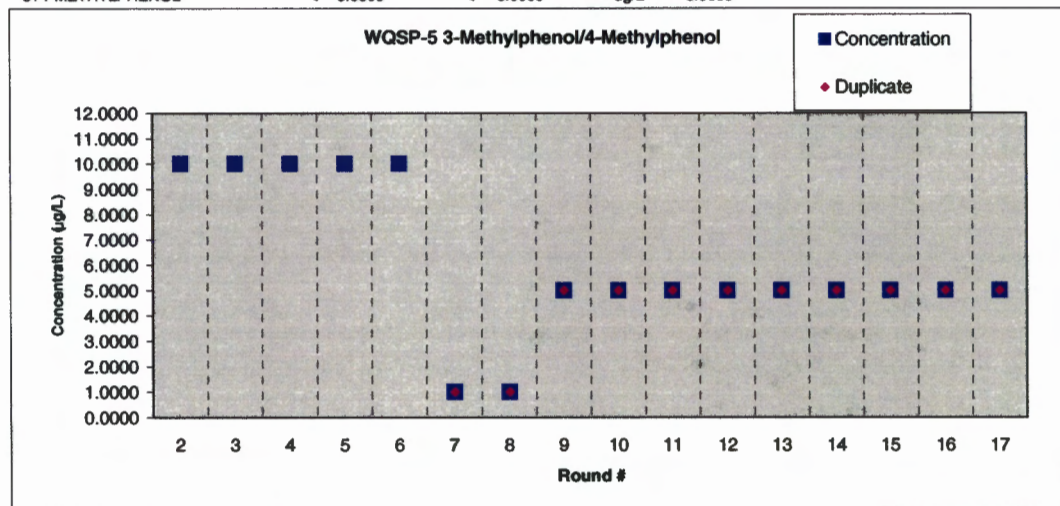
WQSP-5 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	10/09/98	10/07/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/12/99	05/05/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/01/99	10/27/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



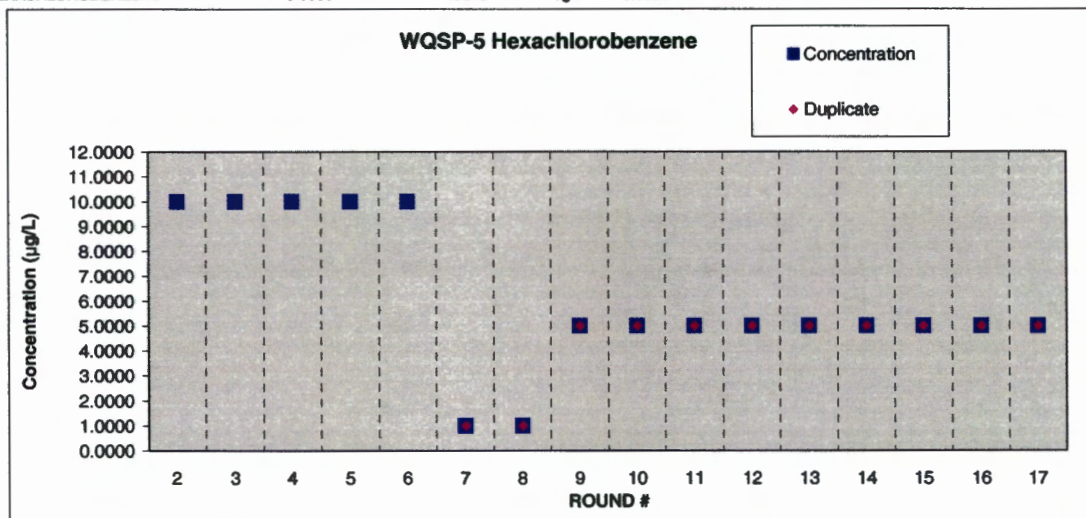
WQSP-5 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	08/25/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/21/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



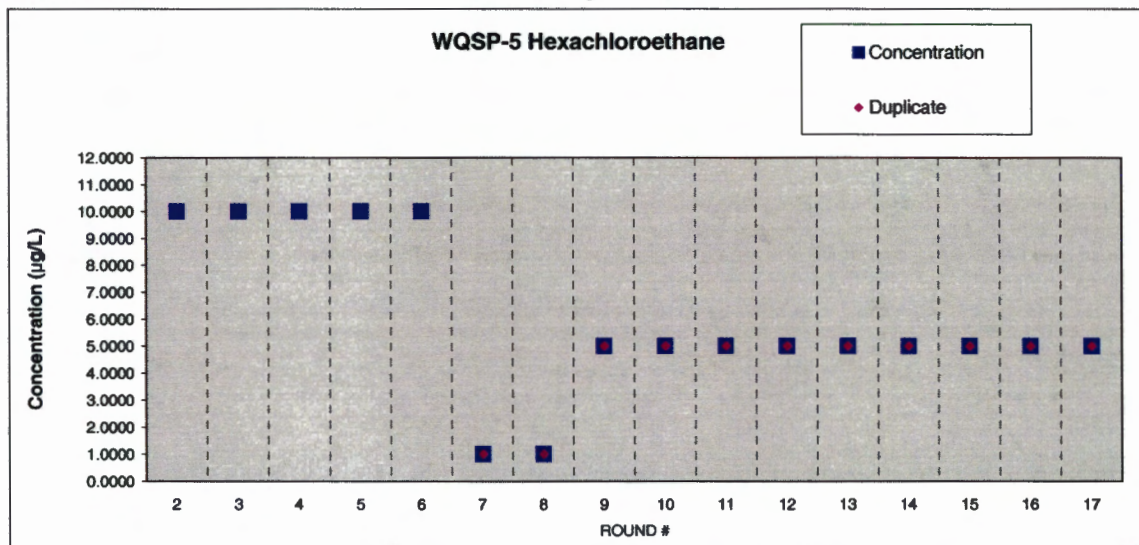
WQSP-5 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



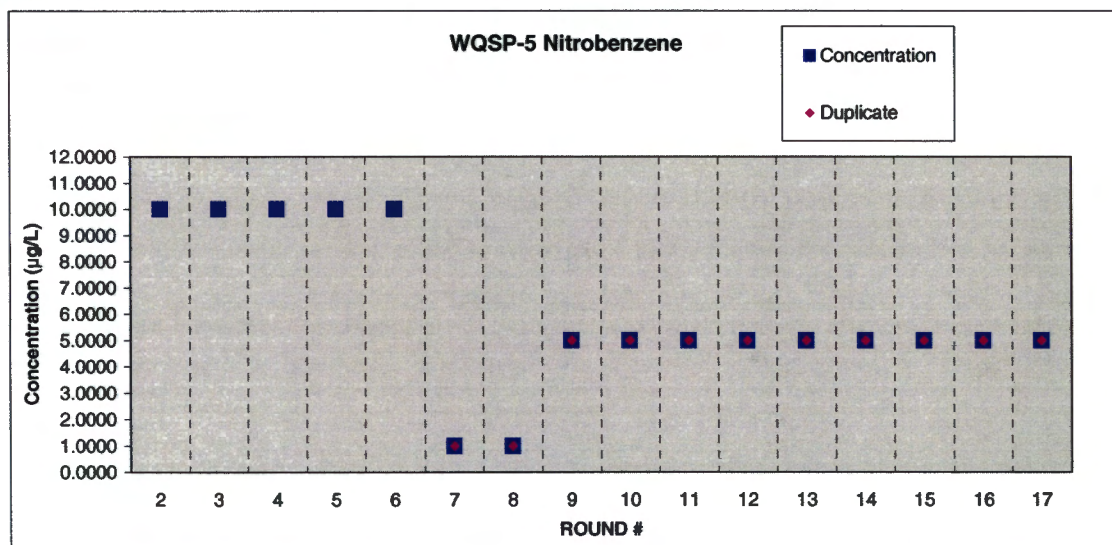
WQSP-5 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



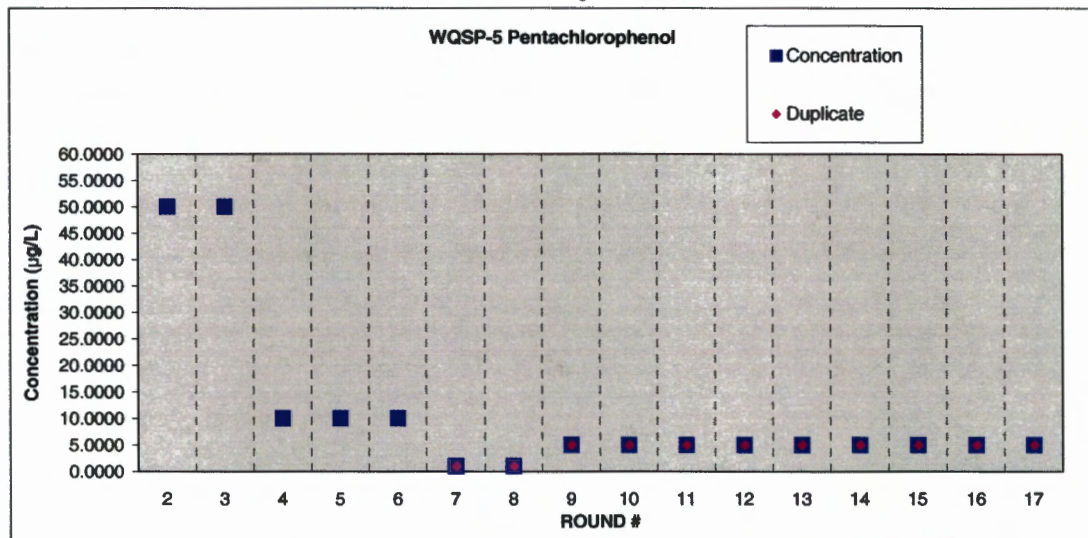
WQSP-5 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/04/02	10/30/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



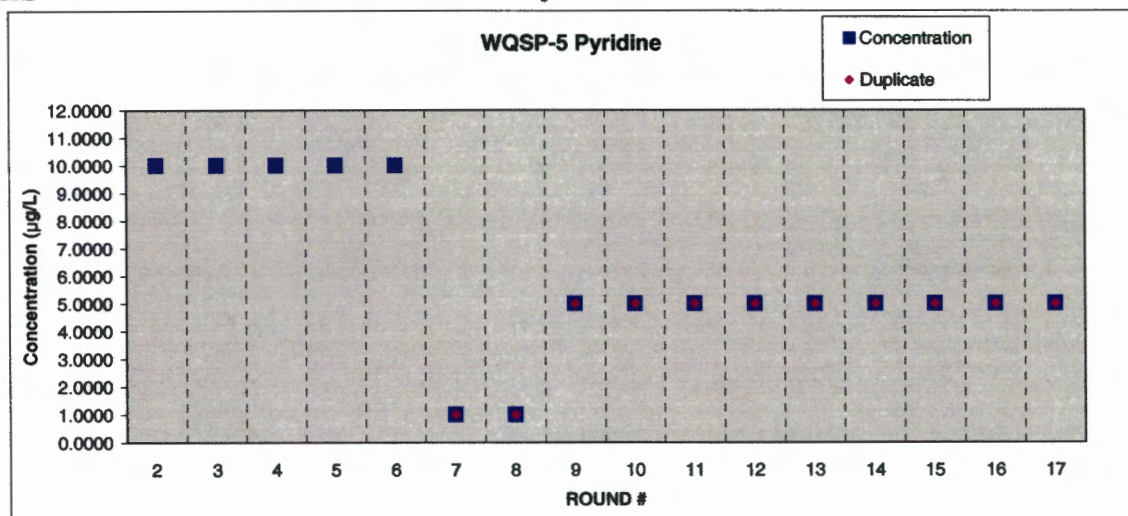
WQSP-5 Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	06/13/96	06/06/96
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	10/09/96	09/26/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/26/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



WQSP-5 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	06/13/96	06/06/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	10/09/96	09/26/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	07/25/97	06/19/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		5	10/21/97	09/25/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000			< 10.0000	6	05/28/98	05/20/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/09/98	10/07/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/12/99	05/05/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/01/99	10/27/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				10	05/01/00	04/28/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/08/00	11/01/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/14/01	05/02/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/15/01	10/31/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/02/02	05/01/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	11/06/02	10/30/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	04/29/03	04/23/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/04/03	10/29/03



APPENDIX 6

ANALYTICAL RESULTS WELL WQSP-6

SUMMARY FOR WQSP-6, CULEBRA, ROUND-17

WELL CHARACTERISTICS

WQSP-6 is located 1626 FSL and 1461 FWL in Section 29, T22S, R31E in Eddy County, New Mexico. This location is approximately $\frac{3}{4}$ of a mile southwest of the center of the WIPP Site. The surface elevation at WQSP-6 is 3361.75 feet above mean sea level (AMSL). The top of casing (TOC) elevation at WQSP-6 is 3364.71 feet AMSL. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Culebra Member of the Rustler Formation on the WIPP Site. WQSP-6 was drilled from September 22 to October 4, 1994 to a total depth of 617 feet below ground surface (BGS). The bore hole was drilled through the Culebra and extends 10 feet into the Los Medaños Member of the Rustler Formation. The well was drilled to a depth of 68 feet BGS using compressed air as the drilling media. The interval from 68 to 617 feet BGS was drilled using air mist with a foaming agent as the drilling media. WQSP-6 was drilled to 568 feet BGS using a 9.875 inch drill bit and was cored from 568 to 617 feet BGS using a 5.25 inch core bit to cut a four inch diameter core. After coring WQSP-6 was reamed to a 9.875 inch diameter to the total depth of 617 feet BGS. WQSP-6 was cased with 5 inch O.D. and 4.33 inch I.D. fiber glass casing from the surface to 582 feet BGS. Twenty-five feet of slotted 0.020 well screen casing was placed across the Culebra interval from 582 to 607 feet BGS, and a ten foot blank casing was installed below the screened interval from 607 to 617 feet BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Culebra at WQSP-6 is 582 to 607 feet BGS based on interpretation of the core logs. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravel packed from T.D. to 570 ft BGS, and a fine grain sand pack was then installed from 570 to 567 ft BGS. A bentonite seal was placed above the sand pack to 530-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-6 on September 29, 1999. The system consists of a model 5S15-26 Grundfos 1-1/2 H.P. submersible pump retrofitted with Kynar seals and a three phase, 230 volt, three H.P., AC submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the pump to enable monitoring of the formation pressures in the well bore during sampling. Round-17 pumping at WQSP-6 began on 11/10/03 at 06:55 and ended on 11/12/03 at 08:29. Prior to the start of pumping, static water level was measured at 346.04 feet below the top of casing (BTOC). The well was purged for 50 hours at an average pumping rate of 0.27 gallons per minute (gpm).

Three serial samples were collected. The first sample was collected on 11/10/03 after approximately 73 gallons of water had been pumped. The

second was collected on 11/11/03 after approximately 433 gallons had been pumped. The third serial sample and final samples were collected on 11/12/03 after approximately 743 gallons of water, approximately 4 well bore volumes¹, had been pumped from the well. Final samples were collected on 11/12/03 for Trace Analysis Analytical Lab, placed under Chain of Custody, and driven to Lubbock, Texas for analysis. Samples were also collected for holding and for analysis by WIPP labs at a later date. EEG was not on site to collect independent samples. The Final Samples Checklist lists samples, destination, preservatives, sample quantity, container type, sampling times, and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measurements for the three serial samples were as follows: +3 mv, +118 mv, and +138 mv respectively.

pH measured 8.16, 7.88, and 7.85 standard units respectively.

Temperature measured 23.2 °C, 22.4 °C, and 24.3 °C respectively.

Specific gravity measured 1.015 @ 21.8 °C, 1.014 @ 22.4 °C, and 1.014 @ 22.8 °C respectively.

Conductivity measured 24,900 umhos/cm, 21,500 umhos/cm, and 21,400 umhos/cm at 25 °C respectively.

Alkalinity measured 59.1 mg/l, 64.2 mg/l, and 64.1mg/l respectively.

Chlorides measured 6,807 mg/l, 5,506 mg/l, and 5,507mg/l respectively.

Divalent Cations measured 55.6 meq/l, 54.8 meq/l, and 53.0 meq/l respectively.

Total Iron measured 0.11 mg/l, 0.09 mg/l, and 0.07 mg/l respectively.

AVERAGE OF FINAL DAY RESULTS FOR BACKGROUND

Alkalinity	59.0 mg/L
Chlorides	6,248 mg/L
Di-Cats	52.2 meq/L
Total Iron	0.22 mg/L

AVERAGE OF FINAL DAY RESULTS FOR ROUND-17

Alkalinity	64.1 mg/L
Chlorides	5,507 mg/L
Di-Cats	53.0 meq/L
Total Iron	0.07mg/L

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

The values seen for Eh, temperature, conductivity, alkalinity, chloride, and iron, were not within plus or minus 5% of background data. The decision was made to final sample because the data were within the range of values seen in past sampling rounds and over three well bore volumes of water had been purged from the well.

WQSP-6
Round 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/DWP
SDG: 3111214
DATE: JANUARY 8, 2004
R/A CONTROL: 6470/6471

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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Semi-Volatile Organic Analysis Data Section

SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for sixteen miscellaneous samples received on November 12, 2003, under SDG 3111214.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

Michael T. McI 1/8/04
LABORATORY MANAGER: DATE

Brandi R. Johnson 1/8/04
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3111214

<u>CUSTOMER ID</u>	<u>LAB ID</u>
WQ6CR17N1	T6883
WQ6CR17N1D	T6884
WQ6CR17N2	T6885
WQ6CR17N2D	T6886
WQ6CR17N3	T6887
WQ6CR17N3D	T6888
WQ6CR17N4	T6889
WQ6CR76N4D	T6890
WQ6CR17N5	T6891
WQ6CR17N5D	T6892
WQ6CR17N6	T6893
WQ6CR17N6D	T6894
WQ6CR17N7	T6895
WQ6CR17N7D	T6896
WQ6CR17N8	T6897
WQ6CR17N8D	T6898

Cation-Anion Balance Sheet

Sample #

WQSP # 6

Date:

1/6/2004

Cations

	ppm	meq/L
Calcium	714	35.6286
Magnesium	214	17.61006
Sodium	3440	149.64
Potassium	200	5.116

Total Cations

207.99466 in meq/L

Anions

	ppm	meq/L
Alkalinity	48	0.96
Sulfate	4520	94.1064
Chloride	4910	138.5111
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

233.5775 in meq/L

Percentage Error

11.587162 %

(needs to be <10%)

OTHER INFORMATION

TDS	14600
EC	20300

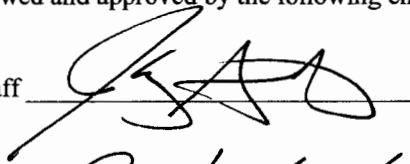
Measure EC and Cation Sums	20799.466	Range should be:	18270	to	22330
Measure EC and Anion Sums	23357.75	Range should be:	18270	to	22330
Calculated TDS/Conductivity	0.7192118	Range should be:	0.55	to	0.77
Measure TDS and Cation Sums	0.7019411	Range should be:	0.55	to	0.77
Measure TDS and Anion Sums	0.6250602	Range should be:	0.55	to	0.77

Signature Page

The data for Round 17 Well # 6 was reviewed and approved by the following chemists.

VOC's:

Johnny Gridstaff



TOC's:

Robert Champlin



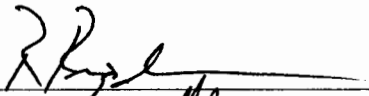
Semi-Volatiles:

Robert Champlin

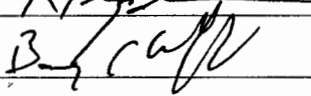


Metals:

Richard Rigdon

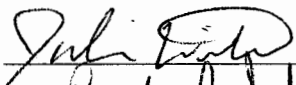


Barry Chaffin

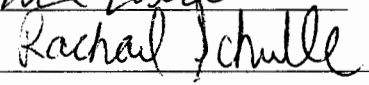


General Chemistry:

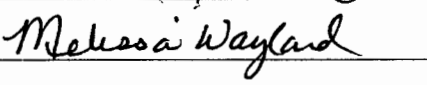
Julie Winters



Rachel Schulle



Melissa Wayland



SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111214

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84	TOTAL PAGES

COVER PAGE - CLASSICALS ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Program: WIPP/DMP

[illegible]

Comments: Narrative Report is attached. Yes X No

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the Narrative Report. Release of data contained in this hardcopy data package (and in the data submitted on magnetic media, if data is submitted on magnetic media), has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

nature: Michael T. Gail
date: 1/8/04

Name: Blair Leftwich
Title: Managing Director

TRACEANALYSIS

FORM 1
CLASSICALS ANALYSIS DATA SHEETLab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix (aqueous/solid/leachate): aqueousReceipt date: 11/12/03WIPP Round No. 17WIPP Well No. 6

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ6CR17N8	T21183		Alkalinity	48.0		11/18/03	SM 2320 B	4.0
WQ6CR17N8	T21183	7782-50-5	Chloride	4910		11/13/03	300.0	2.0
WQ6CR17N8	T21183		Density	1.01		11/12/03	ASTM D 854-92	N/A
WQ6CR17N8	T21183	7727-37-9	Nitrate (as N)	0.100	U	11/13/03	353.3	0.10
WQ6CR17N8	T21183		pH	7.80		11/12/03	150.1	4-10
WQ6CR17N8	T21183		Conductivity	20300		11/14/03	SM2510B	
WQ6CR17N8	T21183		Sulfate	4520		11/13/03	300.0	2
WQ6CR17N8	T21183		Total Dissolved Solids (TDS)	14600		11/14/03	160.1	10
WQ6CR17N5	T21177		Total Organic Carbon (TOC)	1.00	U	11/19/03	415.1	1.0
WQ6CR17N4	T21175		Total Organic Halogen (TOX)	3.90		12/2/03	5320B/9020B	0.005
WQ6CR17N8	T21183		Total Suspended Solids (TSS)	1.00	U	11/18/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 11/12/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. 17

WIPP Well No. 6

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ6CR17N8D	T21184		Alkalinity	50.0		11/18/03	SM 2320 B	4.0
WQ6CR17N8D	T21184	7782-50-5	Chloride	4980		11/13/03	300.0	2.0
WQ6CR17N8D	T21184		Density	1.00		11/12/03	ASTM D 854-92	N/A
WQ6CR17N8D	T21184	7727-37-9	Nitrate (as N)	0.100	U	11/13/03	353.3	0.10
WQ6CR17N8D	T21184		pH	7.80		11/12/03	150.1	4-10
WQ6CR17N8D	T21184		Conductivity	20500		11/14/03	SM2510B	
WQ6CR17N8D	T21184		Sulfate	4590		11/13/03	300.0	2
WQ6CR17N8D	T21184		Total Dissolved Solids (TDS)	14800		11/14/03	160.1	10
WQ6CR17N5D	T21178		Total Organic Carbon (TOC)	1.00	U	11/19/03	415.1	1.0
WQ6CR17N4D	T21176		Total Organic Halogen (TOX)	3.70		12/2/03	5320B/9020B	0.005
WQ6CR17N8D	T21184		Total Suspended Solids (TSS)	1.00	U	11/18/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Program: WIPP/DMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	48.0		50.0		4
Chloride	4910		4980		1
Density	1.01		1.00		1
Nitrate (as N)	0.100	U	0.100	U	0
pH	7.80		7.80		0
Conductivity	20300		20500		1
Sulfate	4520		4590		2
Total Dissolved Solids (TDS)	14600		14800		1
Total Organic Carbon (TOC)	1.00	U	1.00	U	0
Total Organic Halogen (TOX)	3.90		3.70		5
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>11/04/03</u>	<u>116000</u>	<u>113000</u>	<u>112000</u>	<u>120000</u>	<u>132000</u>	<u> </u>	<u>118000</u>	<u>6.71</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>11/13/03</u>	<u>0.375</u>	<u>0.344</u>	<u>0.356</u>	<u> </u>	<u> </u>	<u> </u>	<u>0.358</u>	<u>4.39</u>
<u>Sulfate</u>	<u> </u>	<u>11/04/03</u>	<u>76400</u>	<u>74400</u>	<u>73700</u>	<u>76300</u>	<u>31400</u>	<u> </u>	<u>76400</u>	<u>3.94</u>
<u>Total Organic Carbon (TOC)</u>	<u> </u>	<u>11/19/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	244	98
Chloride	7782-50-5	12.5	12.1	97
Nitrate (as N)	7727-37-9	0.160	0.144	90
pH		7.00	7.10	101
Conductivity		1409	1400	99
Sulfate		12.5	12.7	101
Total Dissolved Solids (TDS)		1000	994	99
Total Organic Carbon (TOC)		5.00	4.85	97
Total Organic Halogen (TOX)		5.00	5.06	101

Comments

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	11.3	90
Nitrate (as N)	7727-37-9	0.160	0.138	86
pH		7.00	7.10	101
Conductivity		1412	1420	101
Sulfate		12.50	11.8	94
Total Dissolved Solids (TDS)		1000	1008	101
Total Organic Carbon (TOC)		5.00	5.25	105
TOX		5.0		
Comments				

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214

Matrix (aqueous / solid / leachate) :

Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight):

mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	4980	6250	10463	88
7727-37-9	Nitrate (as N)	0.00	0.16	0.158	99
	Sulfate	4500	6250	10141	90
	Total Organic Carbon (TOC)	2.20	5.00	6.84	93

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight):

mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	6250	10493	88	0
7727-37-9	Nitrate (as N)	0.16	0.152	95	4
	Sulfate	6250	10264	92	2
	Total Organic Carbon (TOC)	5.00	3.55	27	7

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

Comments:

TOC Matrix spike anomaly use LCS/LCSD.

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	11.3	91
7727-37-9	Nitrate (as N)	0.00	0.16	0.129	81
	Sulfate	0.00	12.5	11.9	95
	Total Organic Carbon (TOC)	0.00	5.00	4.85	97

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	11.3	90	1
7727-37-9	Nitrate (as N)	0.16	0.135	84	4
	Sulfate	12.5	11.8	94	1
	Total Organic Carbon (TOC)	5.00	4.90	98	1

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	1.00	1.01	1
	TDS	14800	15800	7
	TSS	<1.0	<1.0	0
	pH	7.80	7.80	0
	Conductivity	20500	20500	0
	Alkalinity	50	50	0

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO ₃)	IPR1 CONC. FOUND (CaCO ₃)	IPR2 CONC. FOUND (CaCO ₃)	IPR3 CONC. FOUND (CaCO ₃)	IPR4 CONC. FOUND (CaCO ₃)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	2.58

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	12.28	12.21	12.27	12.25	98	0.031
Sulfate	12.5	12.28	12.28	12.28	12.34	98	0.030

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	0.160	0.155	0.171	0.166	0.166	103	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
pH	7.00	7.01	7.01	7.02	7.02	100	0.01

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOs/cm)	IPR1 CONC. FOUND (uMHOs/cm)	IPR2 CONC. FOUND (uMHOs/cm)	IPR3 CONC. FOUND (uMHOs/cm)	IPR4 CONC. FOUND (uMHOs/cm)	X (%)	S (%)
Conductivity	1412	1416	1424	1407	1404	100	9.07

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	1011	1006	1003	1010	101	3.70

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:33</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:44</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:58</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>18:09</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.000	4.992	5.001	5.237	5.177	102	0.124

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	5.23
Sulfate	5.00	5.76

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111214

Page Numbers

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8	Interference Check (Form 2A)
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11	Matrix Sample Duplicate (Form 6)
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24	Metals Raw Data
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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214

WIPP Sample No.

WQ6CR17N7WQ6CR17N7D

Lab Sample ID.

T21181T21182

Were ICP interelement corrections applied?

Yes/No No

Were ICP backgrounds corrections applied?

Yes/No YesIf yes-were raw data generated before
application of background corrections?Yes/No Yes

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael T. AlDate: 1/8/04Name: Blair LeftwichTitle: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR16N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (soil/water): Water

Lab Sample ID: T21181

Date Received: 11/12/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	11/16/03		0.025	P
7440-38-2	Arsenic	0.1	U	11/16/03		0.1	P
7440-39-3	Barium	0.1	U	11/16/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/16/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/16/03		0.010	P
7440-47-3	Chromium	0.025	U	11/16/03		0.025	P
7439-89-6	Iron	0.500	U	11/16/03		0.500	P
7439-92-1	Lead	0.05	U	11/16/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/18/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/16/03		0.05	P
7782-49-2	Selenium	0.025	U	11/16/03		0.025	P
7440-22-4	Silver	0.025	U	11/16/03		0.025	P
7440-28-0	Thallium	0.025	U	11/16/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/16/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (soil/water): Water

Lab Sample ID: T21181

Date Received: 11/12/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	714		11/17/03		0.5	P
7439-95-4	Magnesium	214		11/17/03		0.5	P
7440-09-7	Potassium	200		11/17/03		0.5	P
7440-23-5	Sodium	3440		11/17/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.
Page 1

WQ6CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (soil/water): Water

Lab Sample ID: T21182

Date Received: 11/12/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.025	U	11/16/03		0.025	P
7440-38-2	Arsenic	0.1	U	11/16/03		0.1	P
7440-39-3	Barium	0.1	U	11/16/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/16/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/16/03		0.010	P
7440-47-3	Chromium	0.025	U	11/16/03		0.025	P
7439-89-6	Iron	0.500	U	11/16/03		0.500	P
7439-92-1	Lead	0.05	U	11/16/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/18/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/16/03		0.05	P
7782-49-2	Selenium	0.025	U	11/16/03		0.025	P
7440-22-4	Silver	0.025	U	11/16/03		0.025	P
7440-28-0	Thallium	0.025	U	11/16/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/16/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix (soil/water): Water

Lab Sample ID: T21182

Date Received: 11/12/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	714		11/17/03		0.5	P
7439-95-4	Magnesium	216		11/17/03		0.5	P
7440-09-7	Potassium	194		11/17/03		0.5	P
7440-23-5	Sodium	3440		11/17/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS

METALS
DUPLICATE RPDLab Name: TraceAnalysis, Inc.SDG No.: 3111214

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.025	U	0.025	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	714		714		0
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	214		216		1
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	200		194		3
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	3440		3440		0
Thallium	0.025	U	0.025	U	0
Vanadium	0.050	U	0.050	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration			Found	%R(1)	M
	True	Found	%R(1)	True	Found	%R(1)			
Antimony	1.00	1.02	102	1.00	1.03	103			P
Arsenic	1.00	1.04	104	1.00	1.04	104			P
Barium	1.00	1.01	101	1.00	0.994	99			P
Beryllium	1.00	0.992	99	1.00	1.00	100			P
Cadmium	1.00	1.03	103	1.00	1.07	107			P
Cobalt	25	25.2	101	25	26.5	106			P
Chromium	1.00	1.05	105	1.00	1.07	107			P
Iron	1.00	0.993	99	1.00	1.05	105			P
Lead	1.00	1.00	100	1.00	0.976	98			P
Magnesium	25	25.2	101	25	26.3	105			P
Mercury	0.001	0.00094	94	0.001	0.00091	91			CV
Nickel	1.00	0.968	97	1.00	1.00	100			P
Potassium	25	25.3	101	25	24.3	97			P
Selenium	1.00	1.02	102	1.00	1.02	102			P
Silver	0.125	0.124	99	0.125	0.120	96			P
Sodium	25	26.2	105	25	25.5	102			P
Thallium	1.00	1.02	102	1.00	1.02	102			P
Vanadium	1.00	1.08	108	1.00	1.03	103			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	1.06	106
Arsenic	N/A	N/A	N/A	1.00	1.03	103
Barium	N/A	N/A	N/A	0.300	0.305	102
Beryllium	N/A	N/A	N/A	0.100	0.058	58
Cadmium	N/A	N/A	N/A	0.300	0.328	109
Cesium	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.323	108
Iron	12.50			12.5		
Lead	N/A	N/A	N/A	1.00	0.865	87
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.295	98
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.502	100
Silver	N/A	N/A	N/A	0.300	0.301	100
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.13	113
Vanadium	N/A	N/A	N/A	0.300	0.320	107

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)	C	Continuing Calibration Blank (mg/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ6CR17N7

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix (soil/water): WaterConcentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.39	0.025	U 1.25	111		P
Arsenic	75-125	2.50	0.1	U 2.5	100		P
Barium	75-125	5.59	0.1	U 5.0	112		P
Beryllium	75-125	0.115	0.010	U 0.125	92		P
Cadmium	75-125	1.35	0.010	U 1.25	108		P
Calcium	75-125	1210	714	500	99		P
Chromium	75-125	0.519	0.025	U 0.500	104		P
Iron	75-125	2.60	0.5	U 2.5	104		P
Lead	75-125	2.65	0.05	U 2.5	106		P
Magnesium	75-125	687	214	500	95		P
Mercury	75-125	0.00102	0.0002	U 0.001	102		CV
Nickel	75-125	1.26	0.05	U 1.25	101		P
Potassium	75-125	718	200	500	104		P
Selenium	75-125	2.51	0.025	U 2.5	100		P
Silver	75-125	0.782	0.025	U 0.625	125	N	P
Sodium	75-125	4520	3440	500	216	N	P
Thallium	75-125	3.37	0.025	U 2.5	135	N	P
Vanadium	75-125	1.35	0.050	U 1.25	108		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ6CR17N7

SDG No.: 3111214

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S) C	Matrix Spike Duplicate (D) C	RPD	Q	M
Antimony	25	1.39	1.32	5		P
Arsenic	25	2.50	2.68	7		P
Barium	25	5.59	5.55	1		P
Beryllium	25	0.115	0.114	1		P
Cadmium	25	1.35	1.38	2		P
Calcium	25	1210	1110	9		P
Chromium	25	0.519	0.540	4		P
Iron	25	2.60	2.61	0		P
Lead	25	2.65	2.62	1		P
Magnesium	25	687	615	11		P
Mercury	25	0.00102	0.00102	0		CV
Nickel	25	1.26	1.36	8		P
Potassium	25	718	667	7		P
Selenium	25	2.51	2.42	4		P
Silver	25	0.782	0.763	2		P
Sodium	25	4520	4030	11		P
Thallium	25	3.37	3.29	2		P
Vanadium	25	1.35	1.35	0		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ6CR17N7

SDG No.: 3111214

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.263		0.254		3		P
Arsenic	25	0.499		0.539		8		P
Barium	25	0.978		0.987		1		P
Beryllium	25	0.0235		0.0238		1		P
Cadmium	25	0.258		0.263		2		P
Calcium	25	102.0		103		1		P
Chromium	25	0.106		0.109		3		P
Iron	25	0.496		0.491		1		P
Lead	25	0.479		0.492		3		P
Magnesium	25	100		102.0		2		P
Mercury	25	0.00103		0.00103		0		CV
Nickel	25	0.238		0.237		0		P
Potassium	25	96.9		98.8		2		P
Selenium	25	0.484		0.522		8		P
Silver	25	0.125		0.121		3		P
Sodium	25	98.2		103		5		P
Thallium	25	0.552		0.518		6		P
Vanadium	25	0.270		0.277		3		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Solid LCS Source: _____

Aqueous LCS Source: ME082802-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	0.25	0.263	105					
Arsenic	0.50	0.499	100					
Barium	1.00	0.978	98					
Beryllium	0.025	0.0235	94					
Cadmium	0.25	0.258	103					
Calcium	100	102.0	102					
Chromium	0.10	0.106	106					
Iron	0.50	0.496	99					
Lead	0.50	0.479	96					
Magnesium	100	100	100					
Mercury	0.001	0.00103	103					
Nickel	0.25	0.238	95					
Potassium	100	96.9	97					
Selenium	0.50	0.484	97					
Silver	0.125	0.125	100					
Sodium	100	98.2	98					
Thallium	0.500	0.552	110					
Vanadium	0.25	0.270	108					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111214

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11	Water Volatile LCS/LCSD Recovery (Form 3A)
12	Water Volatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A)
13	Volatile Method Blank Summary (Form 4A)
14	Volatile Organic Instrument Performance Check (Form 5A)
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1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21169

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 0701007.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/18/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N1D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21170

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1001010.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/18/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride	1.00	U	
74-83-9	Bromomethane	5.00	U	
75-69-4	Trichlorofluoromethane	1.00	U	
78-93-3	2-Butanone	5.00	U	
75-35-4	1,1-Dichloroethene	1.00	U	
75-09-2	Methylene Chloride	5.00	U	
75-34-3	1,1-Dichloroethane	1.00	U	
540-59-0	cis-1,2-Dichloroethene	1.00	U	
540-59-0	trans-1,2-Dichloroethene	1.00	U	
107-06-2	1,2-Dichloroethane	1.00	U	
67-66-3	Chloroform	1.00	U	
71-55-6	1,1,1-Trichloroethane	1.00	U	
56-23-5	Carbon Tetrachloride	1.00	U	
79-01-6	Trichloroethene	1.00	U	
108-88-3	Toluene	1.00	U	
79-00-5	1,1,2-Trichloroethane	1.00	U	
127-18-4	Tetrachloroethene	1.00	U	
108-90-7	Chlorobenzene	1.00	U	
108-38-3, 106-42-3	m&p-Xylene	1.00	U	
94-47-6	o-Xylene	1.00	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	

FORM I VOA

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OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N2

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21171

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1101011.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/18/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1-----	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21172

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1201012.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/19/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1-----	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N3

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21173

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1301013.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/19/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-01-4	Vinyl Chloride		1.00	U
74-83-9	Bromomethane		5.00	U
75-69-4	Trichlorofluoromethane		1.00	U
78-93-3	2-Butanone		5.00	U
75-35-4	1,1-Dichloroethene		1.00	U
75-09-2	Methylene Chloride		5.00	U
75-34-3	1,1-Dichloroethane		1.00	U
540-59-0	cis-1,2-Dichloroethene		1.00	U
540-59-0	trans-1,2-Dichloroethene		1.00	U
107-06-2	1,2-Dichloroethane		1.00	U
67-66-3	Chloroform		1.00	U
71-55-6	1,1,1-Trichloroethane		1.00	U
56-23-5	Carbon Tetrachloride		1.00	U
79-01-6	Trichloroethene		1.00	U
108-88-3	Toluene		1.00	U
79-00-5	1,1,2-Trichloroethane		1.00	U
127-18-4	Tetrachloroethene		1.00	U
108-90-7	Chlorobenzene		1.00	U
108-38-3, 106-42-3	m&p-Xylene		1.00	U
94-47-6	o-Xylene		1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.00	U

FORM I VOA

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OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N3D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix: (soil/water) Water

Lab Sample ID: T21174

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1401014.D

GC Column: DB-624 60m

Date Received: 11/12/03

Dilution Factor: 1

Date Analyzed: 11/19/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3111214

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3111214

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3111214

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	101	97	93		0
02	LCS	100	98	93		0
03	LCSD	101	100	93		0
04	T21169	101	98	97		0
05	MS	101	97	101		0
06	MSD	100	100	97		0
07	T21170	100	98	97		0
08	T21171	100	99	97		0
09	T21172	101	97	98		0
10	T21173	101	98	95		0
11	T21174	100	99	95		0
12	CCV	101	99	92		0

SMC1 (TOL) = Toluene-d8
SMC2 (BFM) = 4-Bromofluoromethane
SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS
(70-130)
(70-130)
(70-130)

#. Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERYLab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	89	89		70-130
Trichloroethene	100	0	94	94		70-130
Benzene	100	0	98	98		70-130
Toluene	100	0	94	94		70-130
Chlorobenzene	100	0	104	104		70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	91	91		2		14	70-130
Trichloroethene	100	94	94		0		13	70-130
Benzene	100	99	99		1		14	70-130
Toluene	100	95	95		1		13	70-130
Chlorobenzene	100	102	102		2		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

 RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Matrix Spike - WIPP Sample No.: WQ6CR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	93	93		70-130
Trichloroethene	100	0	95	95		70-130
Benzene	100	0	102	102		70-130
Toluene	100	0	96	96		70-130
Chlorobenzene	100	0	104	104		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	93	93		0		14	70-130
Trichloroethene	100	96	96		1		13	70-130
Benzene	100	102	102		0		14	70-130
Toluene	100	96	96		0		13	70-130
Chlorobenzene	100	104	104		0		13	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ6CR16N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID: 0601006.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 11/18/03

Time Analyzed: 20:47

J&W Scientific
GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	0301003.D	18:54
02	LCSD	LCSD	0401004.D	19:31
03	WQ6CR17N1	T21169	0701007.D	21:23
04	MS	MS	0801008.D	22:00
05	MSD	MSD	0901009.D	22:37
06	WQ6CR17N1D	T21170	1001010.D	23:13
07	WQ6CR16N2	T21171	1101011.D	23:50
08	WQ6CR16N2D	T21172	1201012.D	0:27
09	WQ6CR16N3	T21173	1301013.D	01:04
10	WQ6CR16N3D	T21174	1401014.D	01:41
11	CCV	CCV	0201002.D	18:18

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Lab File ID: 0101001.DBFB Injection Date: 11/18/03Instrument ID: NVBFB Injection Time: 18:00

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N)

N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	45.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0
174	50.0 - 120.0% of mass 95	76.5
175	4.0 - 9.0% of mass 174	7.3
176	93.0 - 101.0% of mass 174	97.5
177	5.0 - 9.0% of mass 176	6.4

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	0201002.D	11/18/03	18:18
02	Blank	Blank	0601006.D	11/18/03	20:47
03	LCS	LCS	0301003.D	11/18/03	18:54
04	LCSD	LCSD	0401004.D	11/18/03	19:31
05	WQ6CR17N1	T21169	0701007.D	11/18/03	21:23
06	MS	MS	0801008.D	11/18/03	22:00
07	MSD	MSD	0901009.D	11/18/03	22:37
08	WQ6CR17N1D	T21170	1001010.D	11/18/03	23:13
09	WQ6CR16N2	T21171	1101011.D	11/18/03	23:50
10	WQ6CR16N2D	T21172	1201012.D	11/19/03	0:27
11	WQ6CR16N3	T21173	1301013.D	11/19/03	01:04
12	WQ6CR16N3D	T21174	1401014.D	11/19/03	01:41

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Instrument ID: NVCalibration Date(s): 11/17/03Heated Purge:(Y/N) NCalibration Times: 14:11GC Column: J&W ScientificDB-624 60mID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
 RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
 RRF150 = 1101003.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Vinyl Chloride	0.458	0.462	0.456	0.407	0.473	0.446	0.454	4.99
Trichlorofluoromethane	0.648	0.655	0.634	0.563	0.620	0.640	0.630	5.05
1,1-Dichloroethene	0.541	0.475	0.461	0.415	0.436	0.447	0.459	8.86
Methylene Chloride		0.501	0.463	0.433	0.462	0.487	0.472	5.06
1,1-Dichloroethane	0.884	0.854	0.824	0.789	0.852	0.881	0.852	4.07
1,2-Dichloroethane	0.618	0.629	0.593	0.557	0.595	0.603	0.595	4.19
Chloroform	0.818	0.820	0.790	0.740	0.794	0.793	0.793	3.32
1,1,1-Trichloroethane	0.559	0.599	0.569	0.602	0.672	0.700	0.629	9.77
Carbon Tetrachloride		0.188	0.187	0.251	0.605	0.335	0.268	26.19
Trichloroethene	0.340	0.324	0.297	0.273	0.285	0.288	0.300	7.88
Toluene	1.777	1.341	1.230	1.132	1.194	1.217	1.300	16.87
1,1,2-Trichloroethane	0.243	0.239	0.225	0.213	0.227	0.245	0.233	5.04
Tetrachloroethene	0.387	0.371	0.372	0.310	0.377	0.272	0.360	14.71
Chlorobenzene	0.851	0.837	0.783	0.740	0.786	0.829	0.809	4.95
m&p-Xylene	1.183	1.117	1.056	0.983	1.007	1.048	1.060	6.49
o-Xylene	1.208	1.179	1.116	1.009	1.037	1.082	1.098	6.73
1,1,2,2-Tetrachloroethane	0.347	0.350	0.316	0.299	0.314	0.377	0.332	8.04
1,4-Dichlorobenzene	1.224	1.195	1.134	1.076	1.125	1.228	1.172	5.13
1,2-Dichlorobenzene	1.151	1.154	1.082	1.038	1.107	1.180	1.129	4.94
Toluene-d8	1.262	1.255	1.260	1.274	1.268	1.280	1.274	1.68
4-Bromofluorobenzene	0.495	0.498	0.498	0.499	0.496	0.517	0.502	1.77
Dibromofluoromethane	0.469	0.477	0.477	0.485	0.479	0.455	0.470	2.84

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Instrument ID: NV

Calibration Date(s): 3/27/02

Heated Purge:(Y/N) N

Calibration Times: 0:37

GC Column: J&W Scientific
DB-624 60m

ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0301003.D RRF5 = 0401004.D
RRF10 = 0501005.D RRF50 = 0601006.D RRF100 = 0701007.D
RRF150 = 0901009.D

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Instrument ID: NV Calibration Date: 11/18/03Lab File ID: 0201002.D Init. Calib. Date(s): 11/17/03Heated Purge: (Y/N) N Init. Calib. Times: 14:11GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.454	0.413	0.100	9.0	25.0
Trichlorofluoromethane	0.630	0.596		5.4	
1,1-Dichloroethene (CM)	0.459	0.395	0.100	13.9	25.0
Methylene Chloride	0.472	0.430		8.9	
1,2-Dichloroethane (P)	0.852	0.785	0.200	7.9	25.0
1,2-Dichloroethene	0.499	0.456		8.6	
1,2-Dichloroethane	0.595	0.554	0.100	6.9	25.0
Chloroform	0.793	0.717	0.200	9.6	25.0
1,1,1-Trichloroethane	0.629	0.610	0.100	3.0	25.0
Carbon Tetrachloride	0.249	0.267	0.100	-7.2	25.0
Trichloroethene	0.300	0.269	0.300	10.3	25.0
Toluene	1.300	1.099	0.400	15.5	25.0
1,1,2-Trichloroethane	0.233	0.216	0.100	7.3	25.0
Tetrachloroethene	0.360	0.259	0.200	28.1	25.0
Chlorobenzene	0.809	0.748	0.500	7.5	25.0
m,p-Xylene	1.060	0.982		7.4	
o-Xylene	1.098	1.010		8.0	
1,1,2,2-Tetrachloroethane	0.332	0.301	0.500	9.3	25.0
1,4-Dichlorobenzene	1.172	1.053		10.2	
1,2-Dichlorobenzene	1.129	1.030		8.8	
Toluene-d8	1.274	1.288		-1.1	
4-Bromofluorobenzene	0.502	0.496	0.200	1.2	25.0
Dibromofluoromethane	0.470	0.433	0.100	7.9	25.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Instrument ID: NV Calibration Date: 11/18/03Lab File ID: 0501005.D Init. Calib. Date(s): 03/27/02Heated Purge: (Y/N) N Init. Calib. Times: 0:37GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.023	0.010	-4.5	25.0
Toluene-d8			0.200		25.0
4-Bromofluorobenzene			0.100		25.0
Dibromofluoromethane					

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID (Standard): 0201002.D

Date Analyzed: 11/18/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 18:18

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	1106587	10.95	1784405	11.98	1635707	16.00	803242	19.44
UPPER LIMIT	2213174	11.45	3568810	12.48	3271414	16.50	1606484	19.94
LOWER LIMIT	553294	10.45	892203	11.48	817854	15.30	401621	18.72
LAB SAMPLE NO.								
METHOD BLK	1139264	10.96	1841727	11.97	1679592	16.00	791381	19.44
LCS	1118637	10.96	1802162	11.97	1661846	16.00	784816	19.44
LCSD	1119347	10.96	1798791	11.97	1650103	16.00	795829	19.44
T21169	1119200	10.96	1811175	11.97	1664514	16.00	789330	19.44
MS	1099989	10.96	1788591	11.97	1648767	16.00	809059	19.44
MSD	1093635	10.96	1776511	11.97	1637812	16.00	806132	19.44
T21170	1117358	10.96	1811437	11.97	1670920	16.00	783259	19.44
T21173	1103281	10.96	1800969	11.98	1645352	16.00	787858	19.44
T21174	1094446	10.96	1780694	11.97	1649116	16.00	795353	19.44

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Lab File ID (Standard): 0501005.DDate Analyzed: 11/18/03Instrument ID: NVTime Analyzed: 20:11

J&W Scientific

GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	1134227	10.96	1827666	11.97	1668378	16.00	793366	19.44
UPPER LIMIT	2268454	11.46	3655332	12.47	3336756	16.50	1586732	19.94
LOWER LIMIT	567114	10.46	913833	11.47	834189	15.30	396683	18.72
LAB SAMPLE NO.								
METHOD BLK	1139264	10.96	1841727	11.97	1679592	16.00	791381	19.44
T21171	1096372	10.96	1802614	11.97	1650587	16.00	799668	19.44
T21172	1117082	10.96	1825360	11.97	1683774	16.00	782719	19.44

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111214

Page Numbers

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12	Semivolatile Raw Data
82	TOTAL PAGES

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N6

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix: (soil/water) WaterLab Sample ID: T21179Sample wt/vol: 1000 (g/mL) mLLab File ID: 1501016.D% Moisture: NA decanted:(Y/N) NDate Received: 11/12/03Concentrated Extract Volume: 1000 (uL)Date Extracted: 11/13/03Injection Volume: 1.0 (uL)Date Analyzed: 11/21/03GPC Cleanup: (Y/N) NDilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
---------	----------	---	------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0848;p/n11013;v3.2;11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6CR17N6D

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix: (soil/water) Water Lab Sample ID: T21180Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1801019.D% Moisture: NA decanted:(Y/N) N Date Received: 11/12/03Concentrated Extract Volume: 1000 (uL) Date Extracted: 11/13/03Injection Volume: 1.0 (uL) Date Analyzed: 11/21/03GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
110-86-1	Pyridine	5		U
106-46-7	1,4-Dichlorobenzene	5		U
95-50-1	1,2-Dichlorobenzene	5		U
95-48-7	2-Methylphenol	5		U
106-44-5	4-Methylphenol	5		U
67-72-1	Hexachloroethane	5		U
98-95-3	Nitrobenzene	5		U
51-28-5	2,4-Dinitrophenol	5		U
121-14-2	2,4-Dinitrotoluene	5		U
118-74-1	Hexachlorobenzene	5		U
87-86-5	Pentachlorophenol	5		U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	57	52	53	26	35	48	0
02	LCS	66	60	61	27	36	62	0
	LCSD	67	62	62	26	36	62	0
	T21179	68	60	61	19	30	60	0
05	MS	58	56	61	17	27	62	0
06	MSD	59	55	61	17	26	62	0
07	T21180	50	43	51	15	23	46	0

S1 (NBZ) = Nitrobenzene-d5
 S2 (FBP) = 2-Fluorobiphenyl
 S3 (TPH) = Terphenyl-d14
 S4 (PHL) = Phenol-d5
 S5 (2FP) = 2-Fluorophenol
 S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
 (7-138)
 (15-135)
 (45-162)
 (0-67.6)
 (0-94)
 (45-152)

Column to be used to flag recovery values

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214

Matrix Spike - WIPP Sample No.:

MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Pyridine	80000	0	15700	20		D-63
1,4-Dichlorobenzene	80000	0	62400	78		25-88
1,2-Dichlorobenzene	80000	0	64000	80		26-115
2-Methylphenol	80000	0	41100	51		19-91
4-Methylphenol/3-Methylphenol	80000	0	37200	47		22-119
Hexachloroethane	80000	0	63600	80		20-101
Nitrobenzene	80000	0	68200	85		18-150
2,4-Dinitrophenol	80000	0	45100	56		12-145
2,4-Dinitrotoluene	80000	0	92200	115		25-130
Hexachlorobenzene	80000	0	86400	108		D-152
Pentachlorophenol	80000	0	69100	86		D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	16200	20		0		20	D-63
1,4-Dichlorobenzene	80000	60900	76		3		20	25-88
1,2-Dichlorobenzene	80000	62900	79		1		20	26-115
2-Methylphenol	80000	40500	51		0		20	19-91
4-Methylphenol/3-Methylphenol	80000	36900	46		2		20	22-119
Hexachloroethane	80000	62600	78		3		20	20-101
Nitrobenzene	80000	68500	86		1		20	18-150
2,4-Dinitrophenol	80000	46800	59		5		20	12-145
2,4-Dinitrotoluene	80000	92700	116		1		20	25-130
Hexachlorobenzene	80000	85900	107		1		20	D-152
Pentachlorophenol	80000	69100	86		0		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 4 out of 22 outside limits

COMMENTS:

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111214Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC #	QC. LIMITS REC.
Pyridine	80000	0	23500	29	D-63
1,4-Dichlorobenzene	80000	0	70500	88	25-88
1,2-Dichlorobenzene	80000	0	74100	93	26-115
2-Methylphenol	80000	0	52400	66	19-91
4-Methylphenol/3-Methylphenol	80000	0	48800	61	22-119
Hexachloroethane	80000	0	71600	90	20-101
Nitrobenzene	80000	0	78200	98	18-150
2,4-Dinitrophenol	80000	0	49200	62	12-145
2,4-Dinitrotoluene	80000	0	90400	113	25-130
Hexachlorobenzene	80000	0	86900	109	D-152
Pentachlorophenol	80000	0	69400	87	D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
Pyridine	80000	23800	30	3	20 D-63
1,4-Dichlorobenzene	80000	70800	89	1	20 25-88
1,2-Dichlorobenzene	80000	74100	93	0	20 26-115
2-Methylphenol	80000	51400	64	3	20 19-91
4-Methylphenol/3-Methylphenol	80000	47900	60	2	20 22-119
Hexachloroethane	80000	71400	89	1	20 20-101
Nitrobenzene	80000	78200	98	0	20 18-150
2,4-Dinitrophenol	80000	54300	68	9	20 12-145
2,4-Dinitrotoluene	80000	92200	115	2	20 25-130
Hexachlorobenzene	80000	87900	110	1	20 D-152
Pentachlorophenol	80000	69900	87	0	20 D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 2 out of 22 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID: 1201013.D

Instrument ID: NS

Matrix: (soil/water) Water

Lab Sample ID: Method Blank

Date Extracted: 11/13/03

Date Analyzed: 11/21/03

Time Analyzed: 02:11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	1301014.D	11/21/03
02	LCSD	LCSD	1401015.D	11/21/03
03	WQ6CR17N6	T21179	1501016.D	11/21/03
04	WQ6CR16N6MS	MS	1601017.D	11/21/03
05	WQ6CR16N6MSD	MSD	1701018.D	11/21/03
06	WQ6CR17N6D	T21180	1801019.D	11/21/03

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID: 0102002.D

DFTPP Injection Date: 11/20/03

Instrument ID: NS

DFTPP Injection Time: 19:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.2
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	39.0
70	Less than 2.0% of mass 69	0.7
127	25.0 - 75.0% of mass 198	44.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	29.0
365	Greater than 0.75% of mass 198	2.9
441	Present, but less than mass 443	79.6
442	40.0 - 110.0% of mass 198	88.7
443	15.0 - 24.0% of mass 442	19.6

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0201003.D	11/20/03	20:04
02	METHOD BLANK	METHOD BLANK	1201013.D	11/21/03	02:11
03	LCS	LCS	1301014.D	11/21/03	02:48
04	LCSD	LCSD	1401015.D	11/21/03	03:25
05	WQ6CR17N6	T21179	1501016.D	11/21/03	04:02
06	WQ6CR16N6MS	MS	1601017.D	11/21/03	04:38
07	WQ6CR16N6MSD	MSD	1701018.D	11/21/03	05:15
08	WQ6CR17N6D	T21180	1801019.D	11/21/03	05:52

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Instrument ID: NS Calibration Date(s) 11/20/03

Calibration Times: 19:28

LAB FILE ID:	RRF5 = 0301004.D	RRF20 = 0401005.D
RRF40 = 0501006.D	RRF60 = 0201003.D	RRF80 = 0601007.D
RRF100 = 0701008.D		

COMPOUND	RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	1.216	1.260	1.233	1.239	1.233	1.252	1.239	1.26
1,4-Dichlorobenzene	1.559	1.576	1.579	1.662	1.632	1.637	1.608	2.57
1,2-Dichlorobenzene	1.423	1.411	1.412	1.477	1.446	1.453	1.437	1.82
2-Methylphenol	1.590	1.484	1.481	1.546	1.485	1.494	1.514	2.95
4-Methylphenol	1.670	1.552	1.568	1.699	1.609	1.601	1.617	3.55
Hexachloroethane	0.563	0.580	0.579	0.589	0.591	0.585	0.581	1.74
Nitrobenzene	0.341	0.372	0.383	0.370	0.400	0.400	0.378	5.89
2,4-Dinitrophenol			0.099	0.125	0.137	0.152	0.128	17.61
2,4-Dinitrotoluene		0.248	0.313	0.343	0.381	0.398	0.337	17.75
Hexachlorobenzene	0.249	0.254	0.271	0.292	0.292	0.302	0.277	7.91
Pentachlorophenol		0.203	0.235	0.263	0.271	0.280	0.250	12.62
Nitrobenzene-d5	0.372	0.428	0.457	0.435	0.483	0.491	0.444	9.72
2-Fluorobiphenyl	1.873	1.959	2.029	2.056	2.095	2.148	2.027	4.85
Terphenyl-d14	1.358	1.455	1.497	1.567	1.640	1.543	1.510	6.45
Phenol-d5	1.943	1.871	1.853	1.931	1.860	1.858	1.886	2.14
2-Fluorophenol	1.560	1.616	1.577	1.624	1.608	1.611	1.599	1.57
2,4,6-Tribromophenol	0.211	0.260	0.278	0.330	0.324	0.331	0.289	16.70

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Instrument ID: NS Calibration Date: 11/20/03

Lab File ID: 0201003.D Init. Calib. Date(s): 11/20/03

Init. Calib. Times: 19:28

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.239	1.239		0.0	
1,4-Dichlorobenzene	1.608	1.662	0.500	-3.4	25.0
1,2-Dichlorobenzene	1.437	1.477		-2.8	
2-Methylphenol	1.514	1.546	0.700	-2.1	25.0
4-Methylphenol	1.617	1.699	0.600	-5.1	25.0
Hexachloroethane	0.581	0.589	0.300	-1.4	25.0
Nitrobenzene	0.378	0.370	0.200	2.1	25.0
2,4-Dinitrophenol	0.102	0.125		-22.5	
2,4-Dinitrotoluene	0.302	0.343	0.200	-13.6	25.0
Hexachlorobenzene	0.277	0.292	0.100	-5.4	25.0
Pentachlorophenol	0.232	0.263	0.050	-13.4	25.0
Nitrobenzene-d5	0.450	0.472	0.200	-4.9	25.0
2-Fluorobiphenyl	2.027	2.056	0.700	-1.4	25.0
Terphenyl-d14	1.510	1.567	0.500	-3.8	25.0
Phenol-d6	1.886	1.931	0.800	-2.4	25.0
2-Fluorophenol	1.599	1.624	0.600	-1.6	25.0
2,4,6-Tribromophenol	0.289	0.330		-14.2	25.0

All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID (Standard): 0201003.D

Date Analyzed: 11/20/03

Instrument ID: NS

Time Analyzed: 20:04

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR ST	1134058	9.86	4231851	12.32	2280805	15.21
UPPER LIMIT	2268116	10.36	8463702	12.82	4561610	15.71
LOWER LIMIT	567029	9.36	2115926	11.82	1140403	14.71
SAMPLE NO.						
01 method blank	653554	9.84	2555025	12.30	1322950	15.20
02 lcs	650680	9.85	2384007	12.31	1232848	15.21
03 lcsd	699497	9.84	2504216	12.31	1250413	15.21
04 T21179	715161	9.84	2584445	12.30	1273129	15.21
05 MS	690739	9.85	2472911	12.31	1246517	15.21
06 MSD	718433	9.85	2550639	12.31	1270500	15.21
07 T21180	672186	9.84	2528128	12.30	1249964	15.20

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111214

Lab File ID (Standard): 0201003.D

Date Analyzed: 11/20/03

Instrument ID: NS

Time Analyzed: 20:04

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR ST	4152188	17.27	3247638	20.83	2795214	23.68
UPPER LIMIT	8304376	17.77	6495276	21.33	5590428	24.18
LOWER LIMIT	2076094	16.77	1623819	20.33	1397607	23.18
SAMPLE NO.						
01 method blank	2144969	17.25	1816141	20.81	1447039	23.65
02 lcs	2176992	17.26	1862345	20.83	1524535	23.67
03 lcsd	2175656	17.26	1798310	20.83	1497122	23.66
04 T21179	2126912	17.25	1860130	20.82	1454891	23.65
05 MS	2177312	17.26	1840155	20.83	1523096	23.66
06 MSD	2199764	17.26	1844010	20.83	1526661	23.67
07 T21180	2111384	17.25	1854964	20.82	1456453	23.65

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111214

Page Numbers

<u>From</u>	<u>Document Description</u>
1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES

REQUEST FOR ANALYSIS

9111 917

RFA Control No. 6470C of C Control No. 6470

WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

11/12/03

DATE SAMPLES SHIPPED 11/12/03LAB DESTINATION Trace AnalysisLABORATORY CONTACT James TaylorSEND LAB REPORT TO Mark EdwardsP.O. Box 2078Carlsbad, N.M. 88221SAMPLING PROGRAM WIPPA/AMPDATE REPORT REQUIRED 12/12/03PROJECT CONTACT Ron RichardsonPURCHASE ORDER NO. 3230PROJECT CONTACT PHONE NO. 505 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req'd. Testing Program	Special Instructions
WQ6CR17N1	Ground Water	40 ml. x 4	HCL pH 2	VOC	Method 8260 21169
WQ6CR17N1D	↑	40 ml. x 4	↑	VOC	↑ 70
WQ6CR17N2		40 ml. x 2		VOC (other)	71
WQ6CR17N2D		40 ml. x 2		VOC (other)	72
WQ6CR17N3		40 ml. x 4	↓	VOC Trip Blanks	↓ 73
WQ6CR17N3D		40 ml. x 4	HCL pH 2	VOC Trip Blanks	Method 8260 74
WQ6CR17N4		500 ml. x 1	H ₂ SO ₄ pH 2	TOX	Method 9020B 75
WQ6CR17N4D		500 ml. x 1	H ₂ SO ₄ pH 2	TOX	Method 9020B 76
WQ6CR17N5		250 ml. x 1	HCL pH 2	TOC	Method 415.1 77
WQ6CR17N5D		250 ml. x 1	HCL pH 2	TOC	Method 415.1 78
WQ6CR17N6		1 liter x 6	NONE	Semi-Volatiles	Method 8270 79
WQ6CR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270 80
WQ6CR17N7	Ground Water	1 liter x 1	HNO ₃ pH 2	Metals	Method 6010 81

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL X RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD X FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB X (Please Specify)

FOR LAB USE ONLY

RECEIVED BY Jicki RamseyDATE/TIME 11-12-03 12:17

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

4th copy

MA

REQUEST FOR ANALYSIS

0111214
RFA Control No. 6471
C of C Control No. 2471



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

BF 11/12/03

DATE SAMPLES SHIPPED 11/12/03
LAB DESTINATION Trace Analysis
LABORATORY CONTACT James Taylor
SEND LAB REPORT TO Mark Edwards
P.O. Box 2078
Carlsbad, N.M. 88221

SAMPLING PROGRAM WIPP/DMP
PURCHASE ORDER NO. 3230

DATE REPORT REQUIRED 12/12/03
PROJECT CONTACT Ron Richardson
PROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
WQ6CR17N70	Ground Water	1 liter x 1	HNO ₃ pH<2	Metals	Method 6010 211.82
WQ6CR17N8	Ground Water	1 liter x 1	NONE	General Chemistry	EPA 300.0, EPA 310.1, 211.8
WQ6CR17N8A	Ground Water	1 liter x 1	NONE	General Chemistry	ASTM D854-92, EPA 345.1, 211.8 365.2, 150.1, 120.1, 160.1, 211.8 160.2
NA					

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒ (Please Specify)

FOR LAB USE ONLY

RECEIVED BY

DATE/TIME 11/12/03 12:17

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

SECTION V
Page 2

CHAIN-OF-CU' IDY RECORD

3111214



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

BF 11/12/03

C of C Control No. 6470RFA Control No. 6470

SAMPLING PROGRAM WIPP/AMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderama

LAB DESTINATION Trace Analysis
CARRIERWAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ6CR17N1	WQSP-6, Culebra	11/12/03 06:35-06:40	Ground Water	40 ml. A-Glass X4	good 21169	
WQ6CR17N1D	↑	06:40-06:45	↑	40 ml. A-Glass X4	70	
WQ6CR17N2		06:45-06:50		40 ml. A-Glass X2	71	
WQ6CR17N2D		06:50-06:55		40 ml. A-Glass X2	72	
WQ6CR17N3		06:50-06:55		40 ml. A-Glass X4	73	
WQ6CR17N3D		06:25-06:30		40 ml. A-Glass X4	74	
WQ6CR17N4		06:55-07:00		500 ml. A-Glass X1	75	
WQ6CR17N4D		07:00-07:05		500 ml. A-Glass X1	76	
WQ6CR17N5		07:05-07:10		250 ml. A-Glass X1	77	
WQ6CR17N5D		07:10-07:15		250 ml. A-Glass X1	78	
WQ6CR17N6		07:15-07:20		1 liter A-Glass X6	79	
WQ6CR17N6D		07:20-07:25		1 liter A-Glass X2	80	
WQ6CR17N7	WQSP-6, Culebra	11/12/03 07:25-07:30	Ground Water	1 liter plastic X1	81	

Special Instructions: NONEPossible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: B. Foster, WRES, 11/12/03, 08:20 3. Relinquished By: _____Received By: Miniam Whately, WRES, 11/12/03, 08:20 Received By: _____2. Relinquished By: Miniam Whately, WRES, 11/12/03, 12:17 Relinquished By: _____Received By: Julie Roney, 11-12-03 12:17 Received By: _____

Cany h 40

3111-4



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

BF 11/12/03

C of C Control No. 6471
RFA Control No. 6471

SAMPLING PROGRAM WIPP/AMP

SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

[illegible]

Special Instructions: NONE

Possible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Bill Foster, WRES, 11/12/03, 08120 3. Relinquished By: _____

Received By: Miriam Whately WRES, 11/12/03, 08:21 Received By: _____

2. Relinquished By: Miriam Whately, WRES, 11/12/03 12:17P 4. Relinquished By: _____

Received By: Wick Rinsley 11-12-03 12:17 Received By: _____

WP 02-EM3001

Page 40

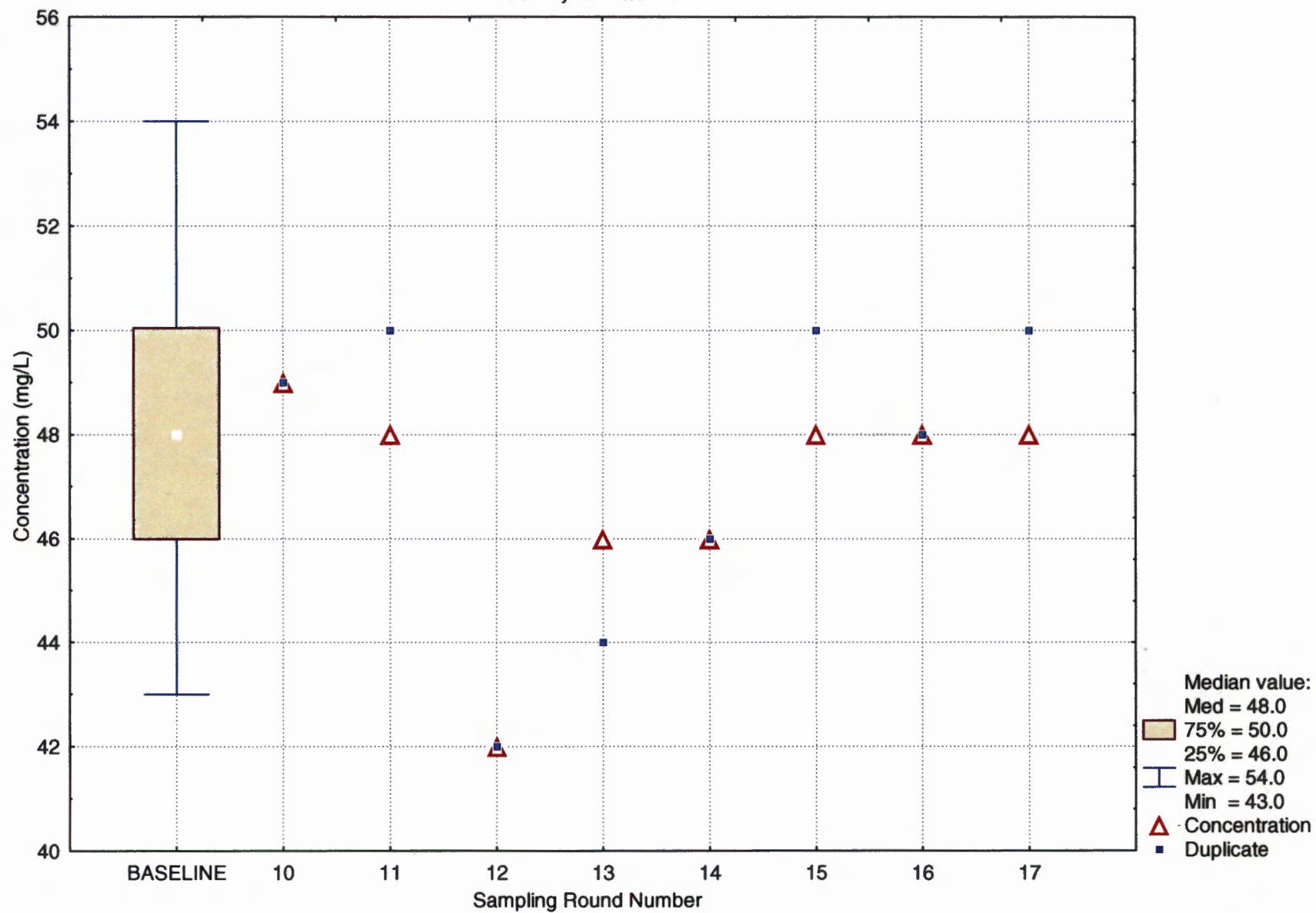
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SECTION 1

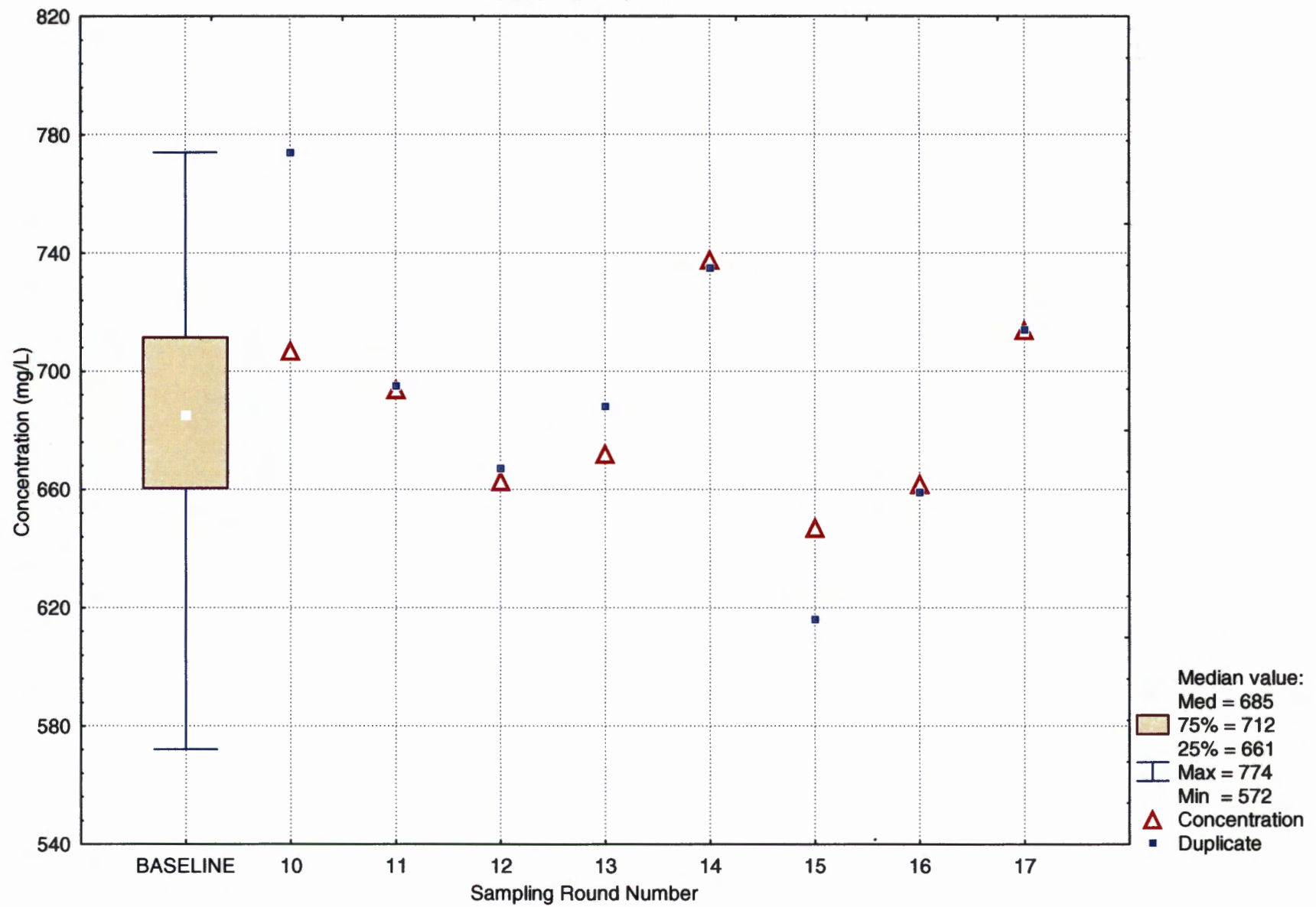
WELL WQSP-6

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

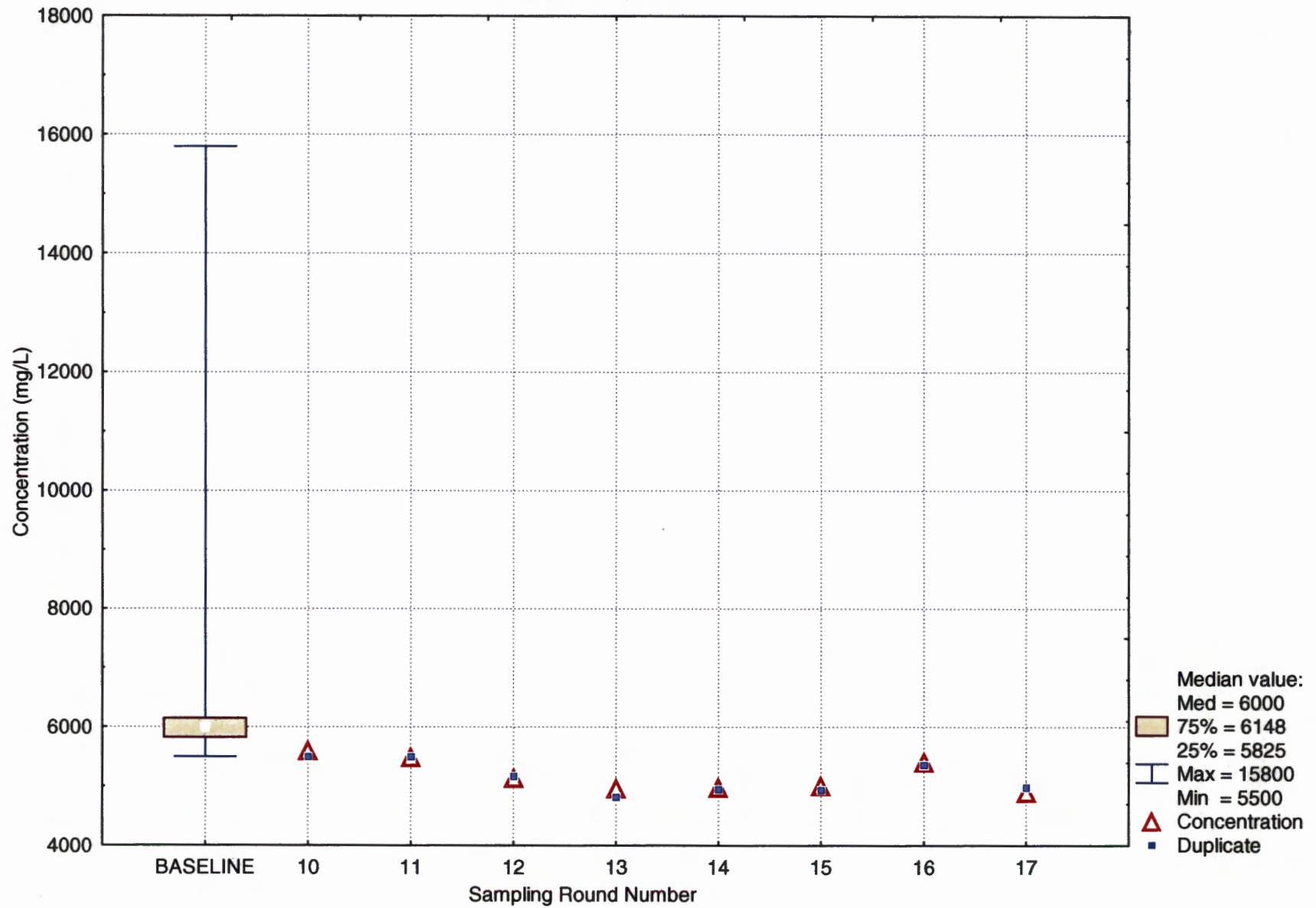
Alkalinity at WQSP-6



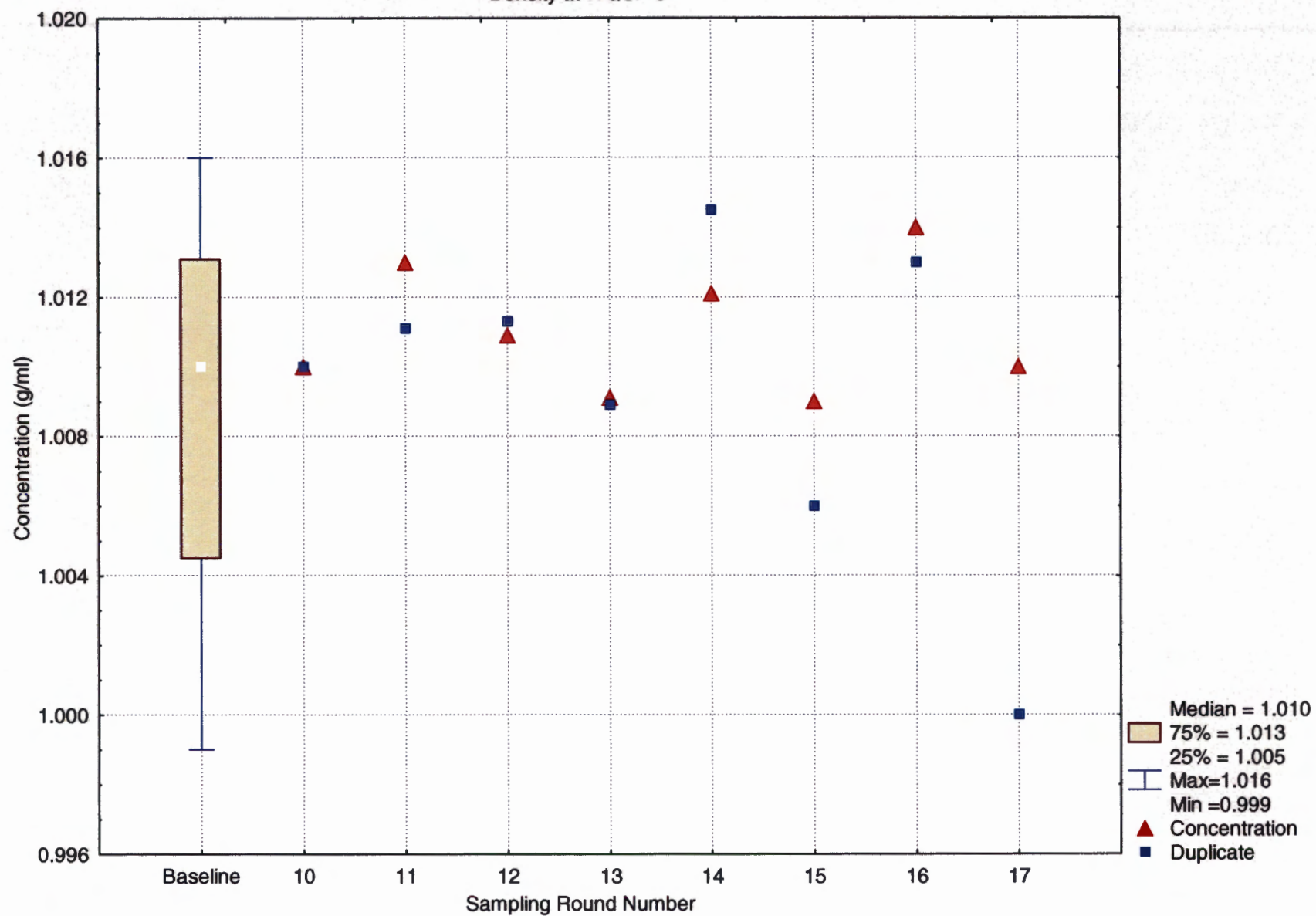
Calcium at WQSP-6



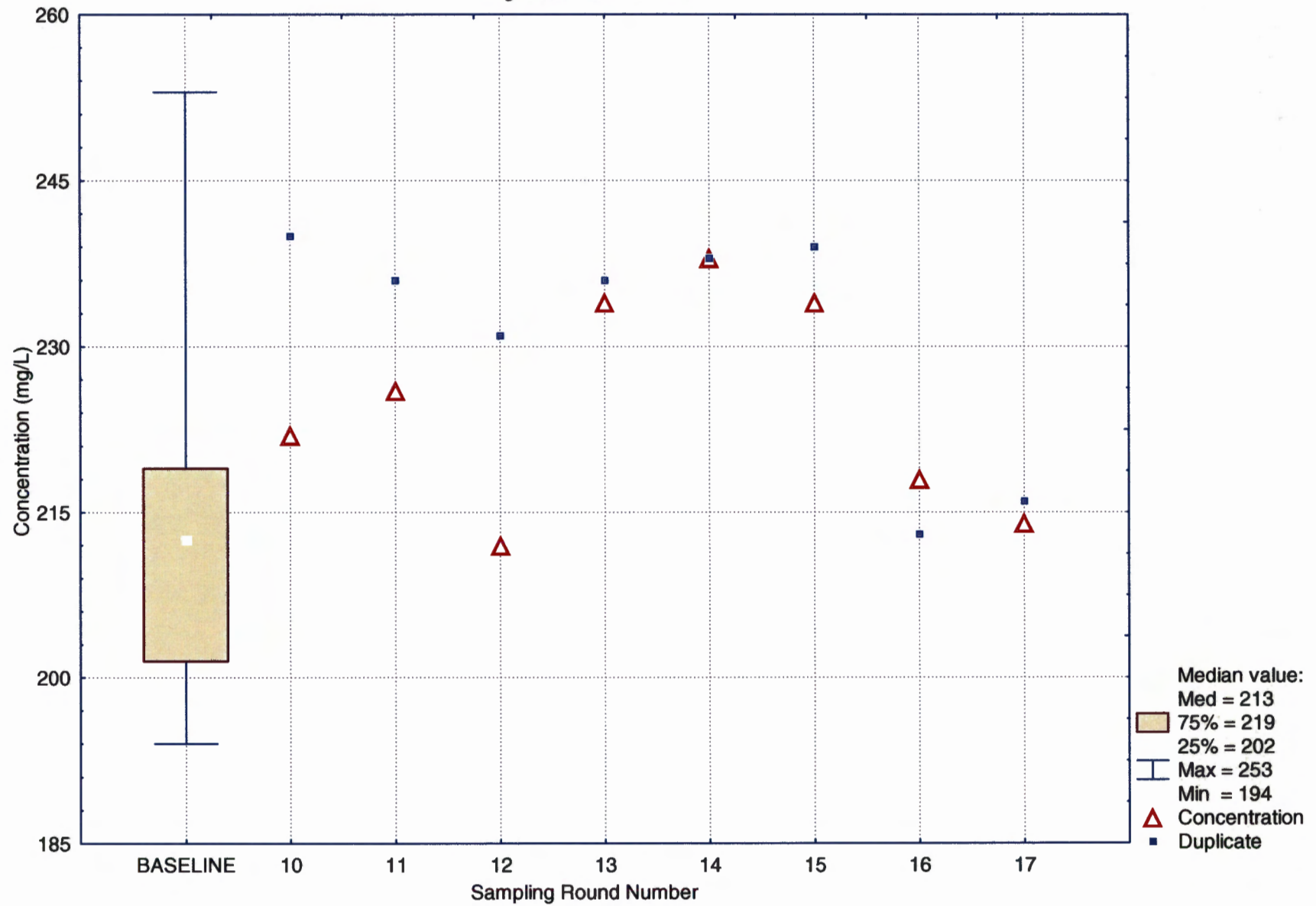
Chloride at WQSP-6



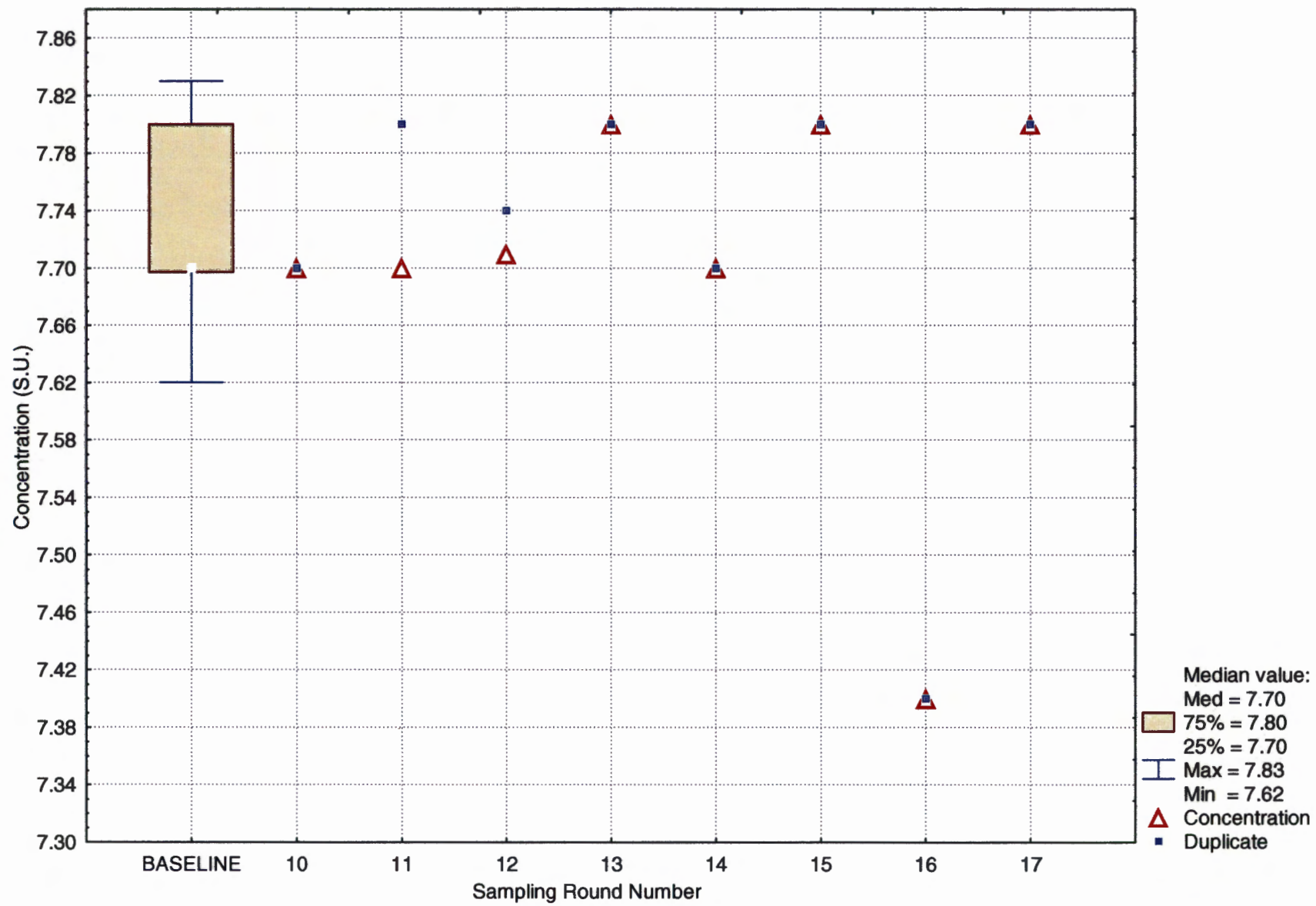
Density at WQSP-6



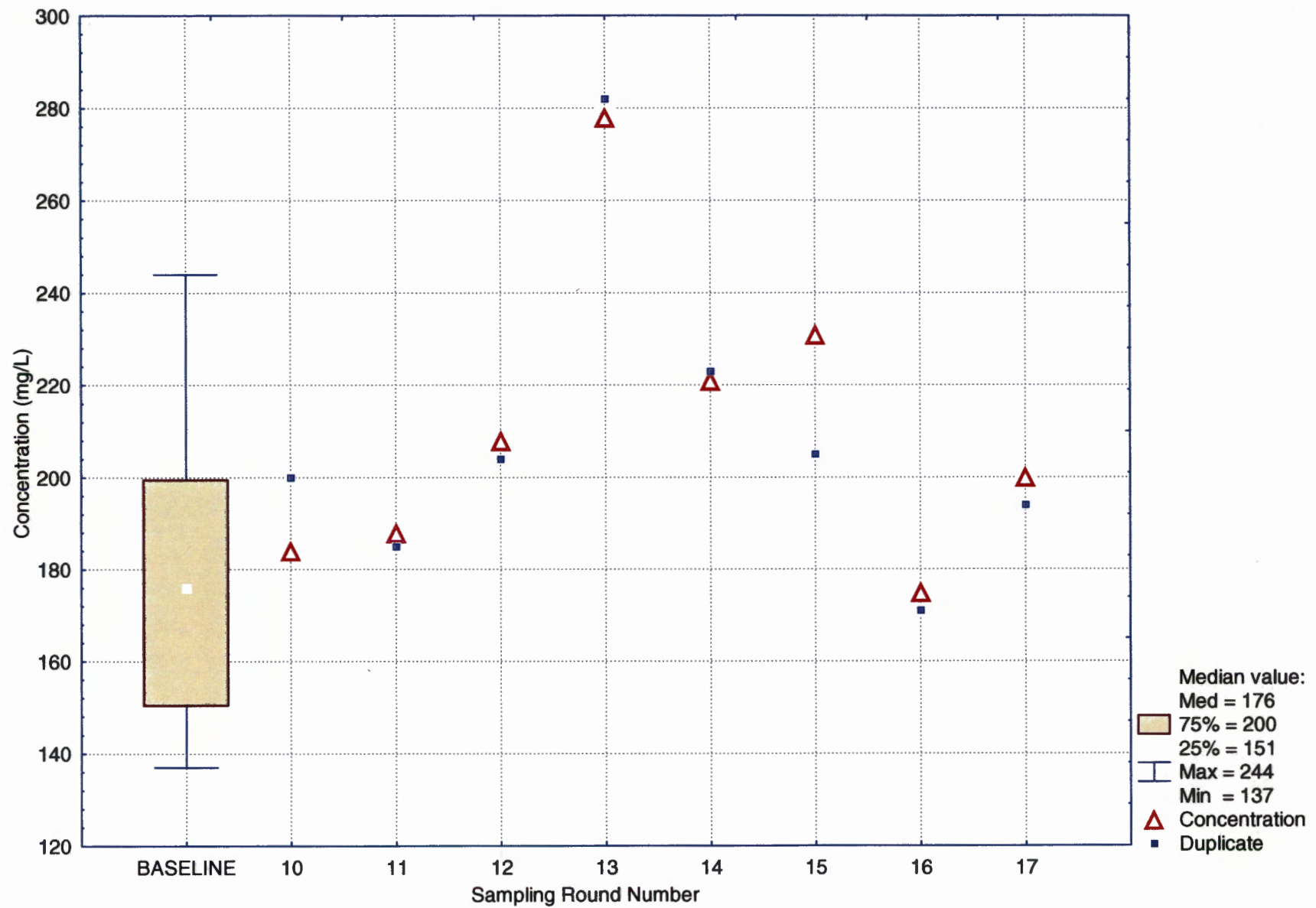
Magnesium at WQSP-6



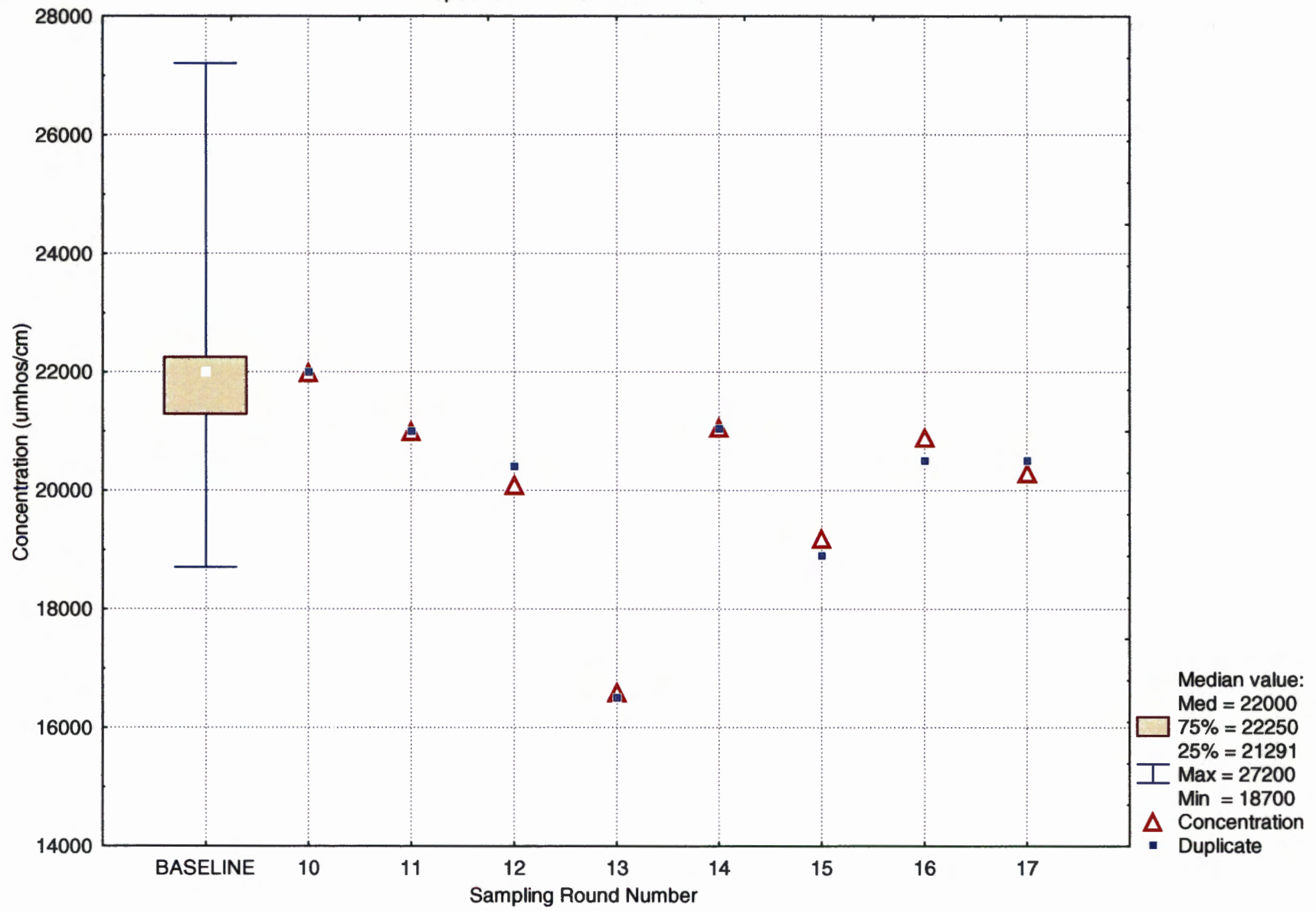
pH at WQSP-6



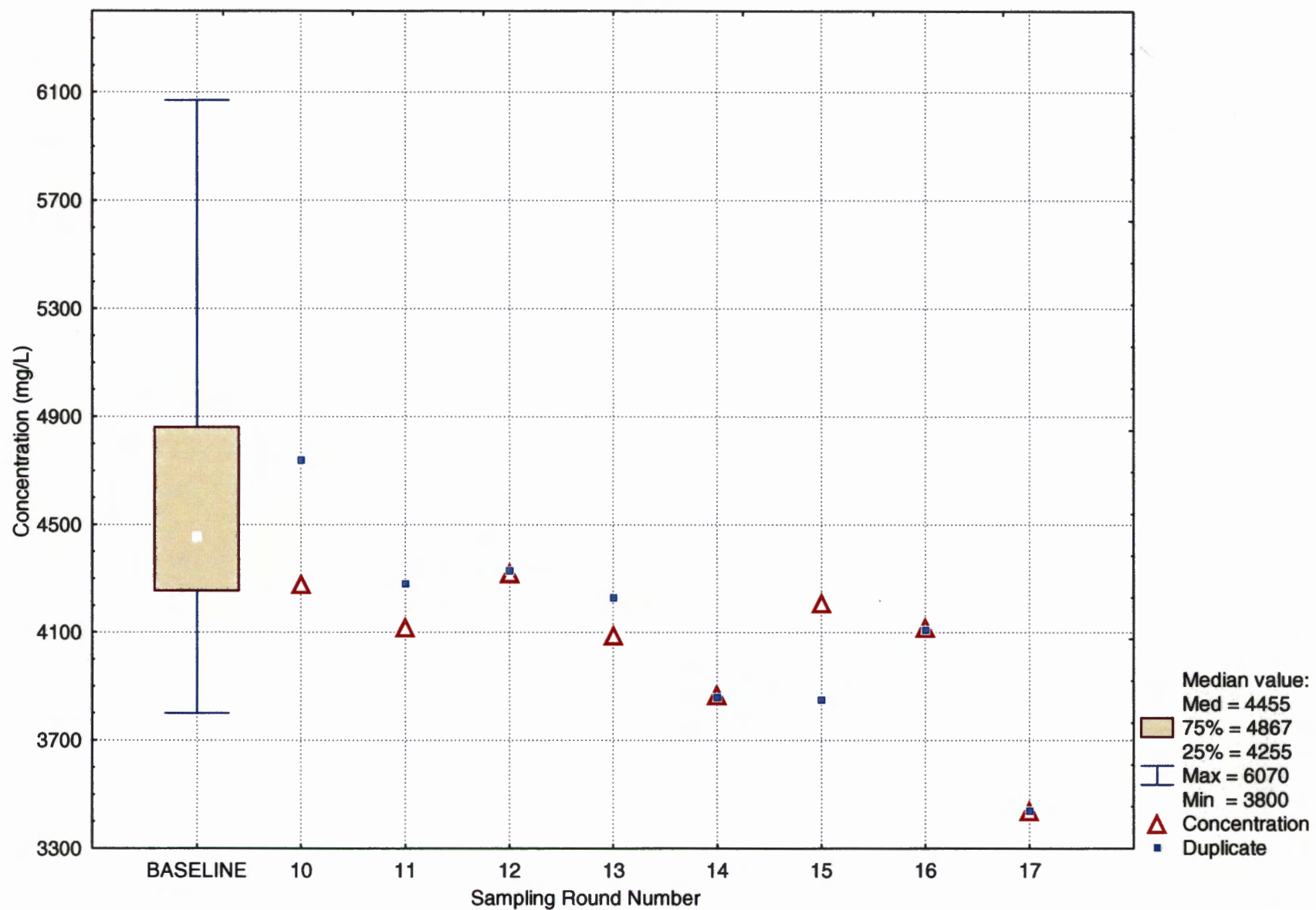
Potassium at WQSP-6



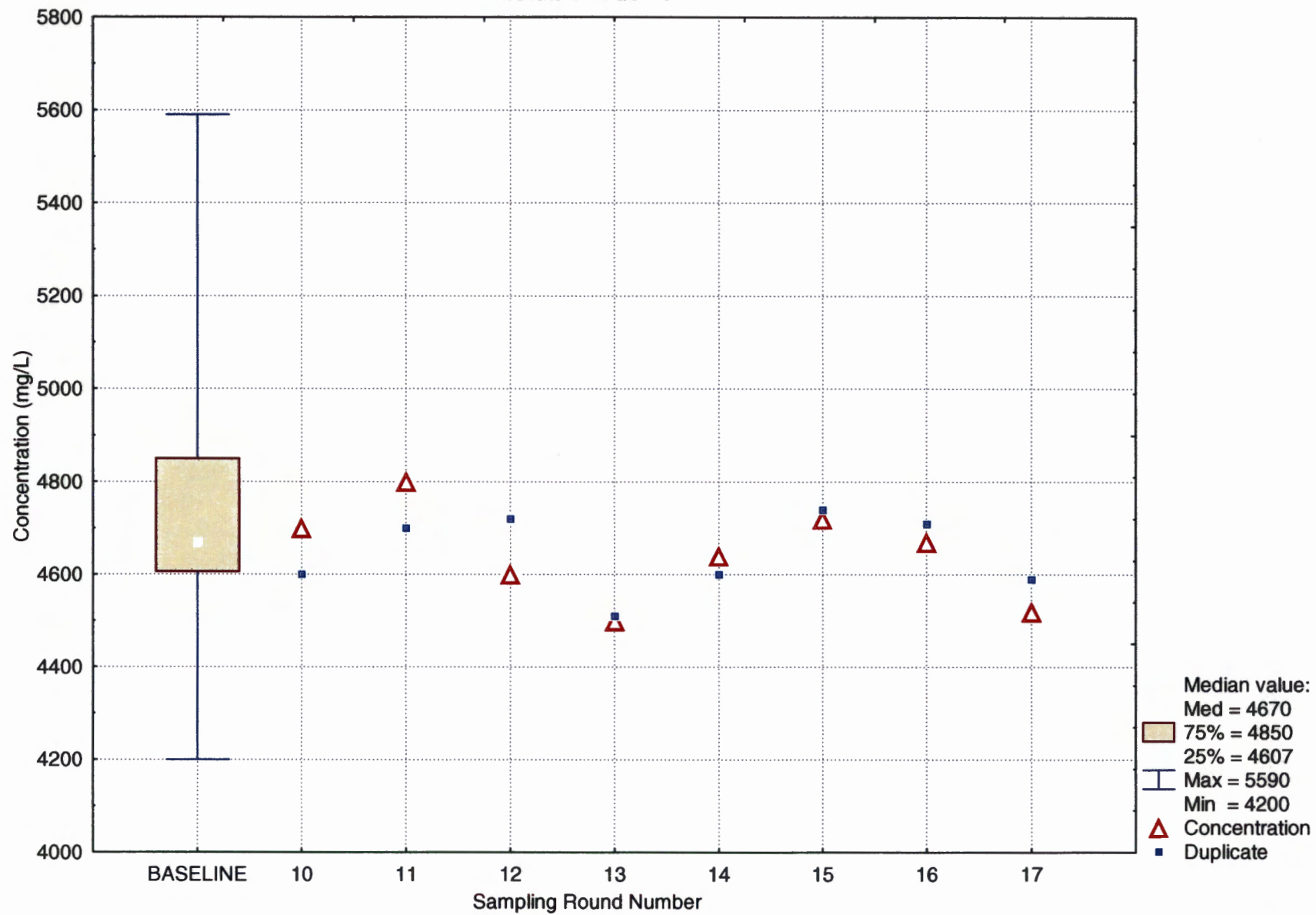
Specific Conductance at WQSP-6



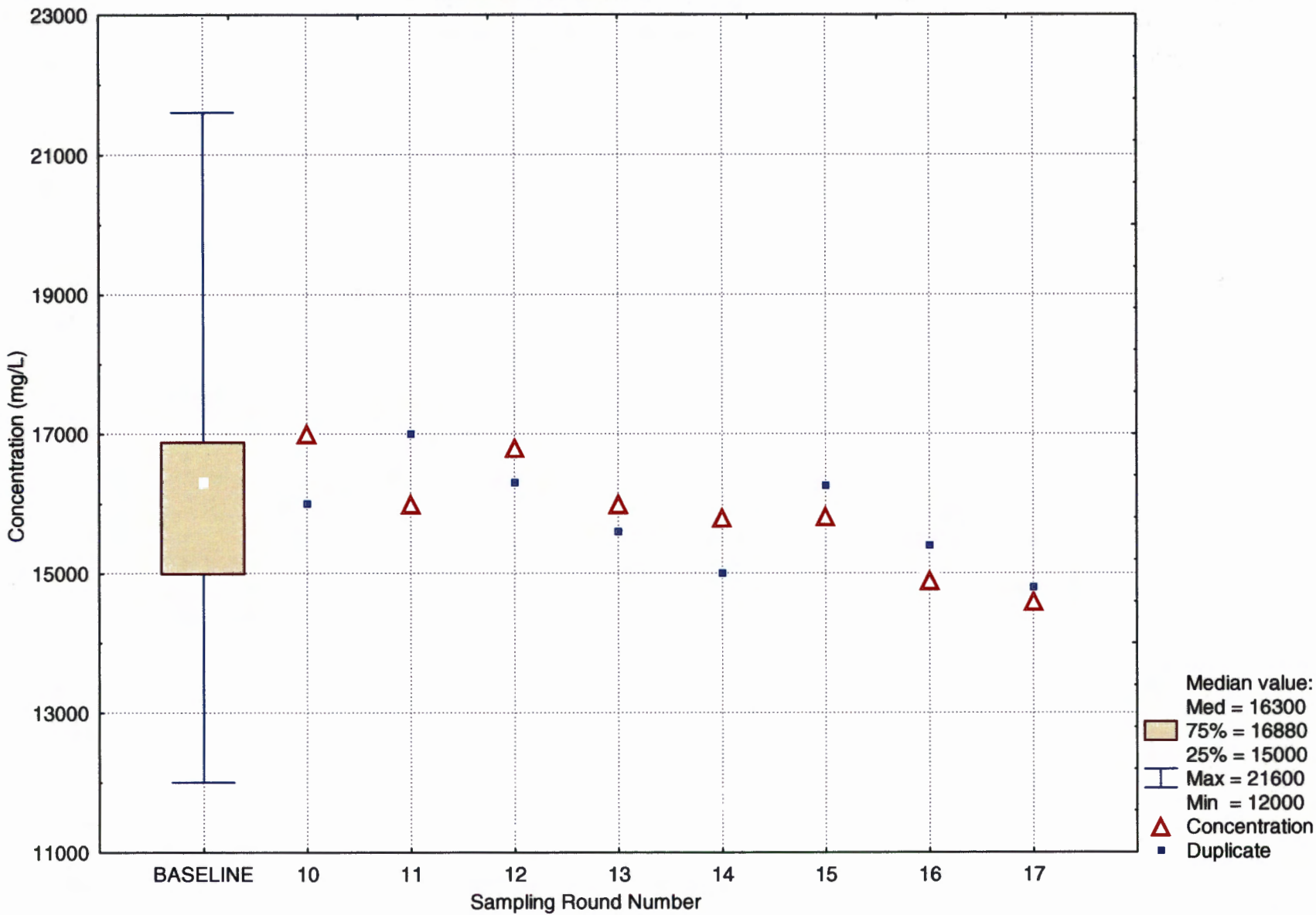
Sodium at WQSP-6



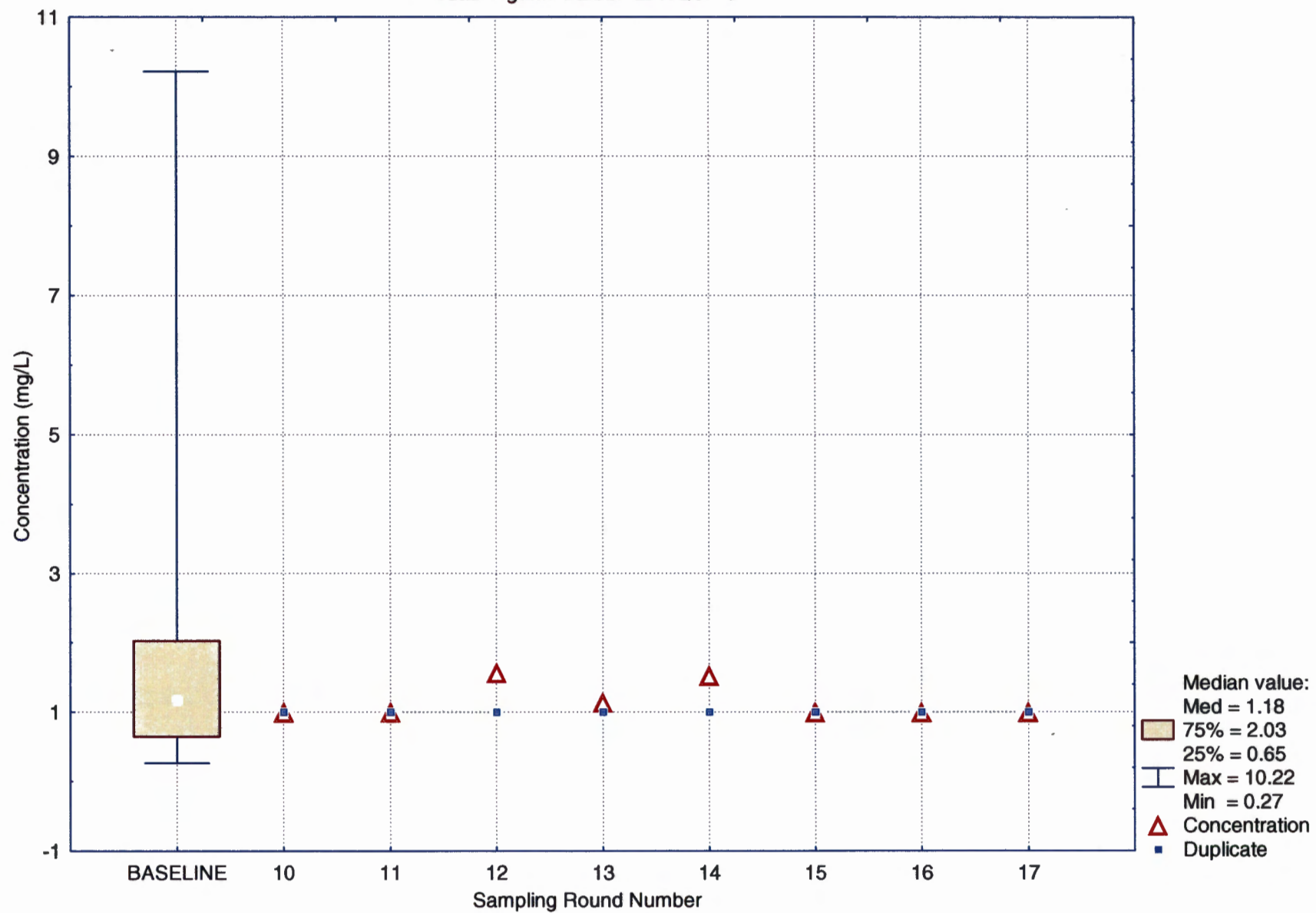
Sulfate of WQSP-6



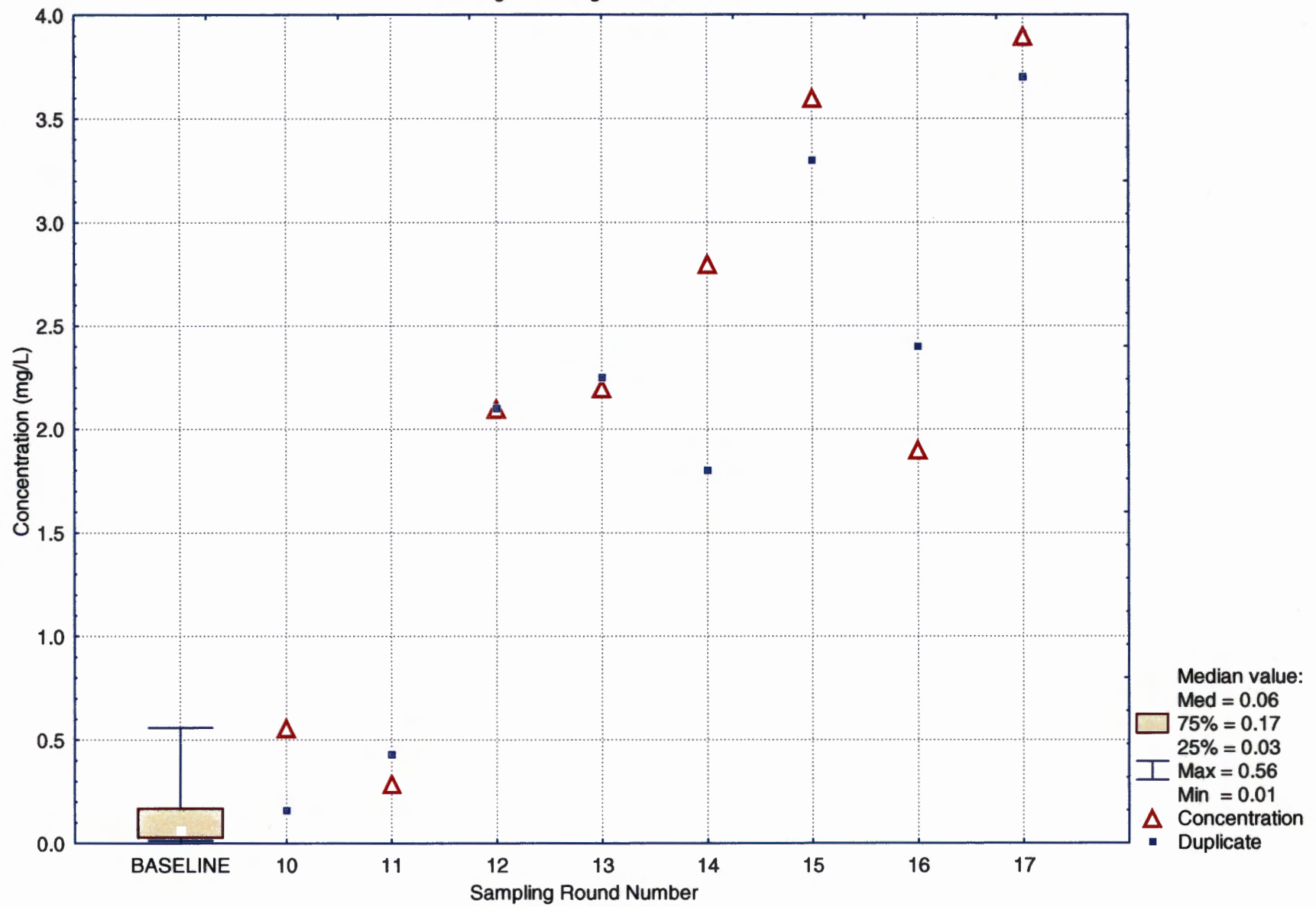
Total Dissolved Solids at WQSP-6



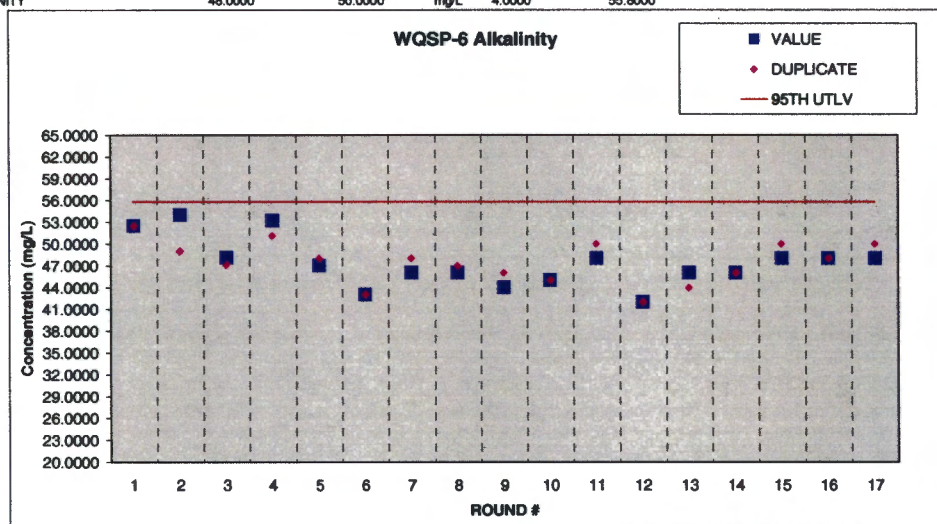
Total Organic Carbon at WQSP-6



Total Organic Halogens at WQSP-6

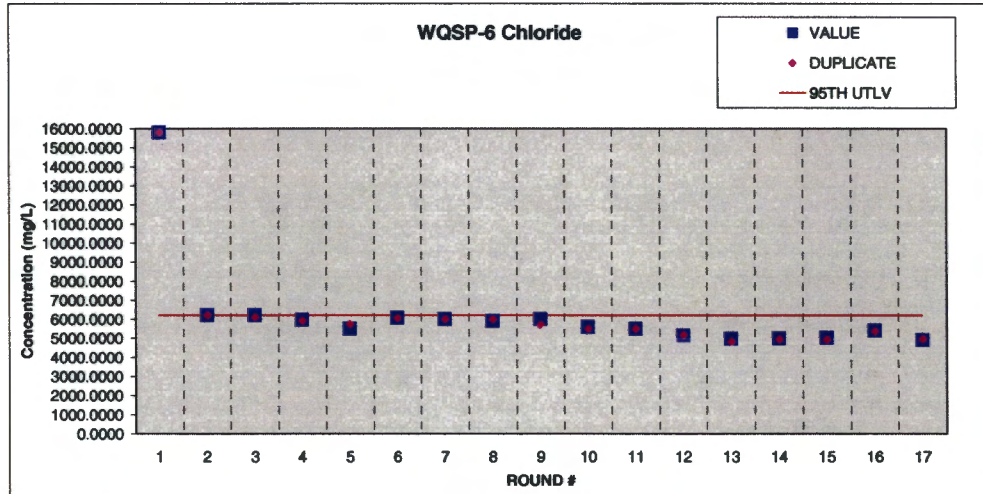


WQSP-6 Alkalinity											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
-	-	-	-	-	-	-	-	-	-	-	-
	ALKALINITY	52.5000	52.5000	mg/L	5.0000	55.8000		< 5.0000	1	10/18/95	10/18/95
	ALKALINITY	54.0000	49.0000	mg/L	5.0000	55.8000		< 5.0000	2	03/22/96	03/12/96
	ALKALINITY	48.1000	47.1000	mg/L	5.0000	55.8000			3	07/10/96	08/27/96
	ALKALINITY	53.2000	51.1000	mg/L	5.0000	55.8000		< 5.0000	4	04/18/97	04/03/97
	ALKALINITY	47.0000	48.0000	mg/L	5.0000	55.8000		< 5.0000	5	08/27/97	08/25/97
	ALKALINITY	43.0000	43.0000	mg/L	1.0000	55.8000			6	08/05/98	08/03/98
	ALKALINITY	46.0000	48.0000	mg/L	1.0000	55.8000		< 4.0000	7	11/02/98	10/21/98
	ALKALINITY	46.0000	47.0000	mg/L	0.1000	55.8000		< 4.0000	8	05/21/99	05/19/99
	ALKALINITY	44.0000	46.0000	mg/L	1.0000	55.8000			9	11/12/99	11/03/99
	ALKALINITY	45.0000	45.0000	mg/L	4.0000	55.8000			10	05/16/00	05/10/00
	ALKALINITY	48.0000	50.0000	mg/L	4.0000	55.8000		< 4.0000	11	11/21/00	11/15/00
	ALKALINITY	42.0000	42.0000	mg/L	4.0000	55.8000			12	05/24/01	05/16/01
	ALKALINITY	46.0000	44.0000	mg/L	4.0000	55.8000			13	11/19/01	11/07/01
	ALKALINITY	46.0000	46.0000	mg/L	4.0000	55.8000			14	05/21/02	05/15/02
	ALKALINITY	48.0000	50.0000	mg/L	4.0000	55.8000			15	11/18/02	11/13/02
	ALKALINITY	48.0000	48.0000	mg/L	4.0000	55.8000			16	05/07/03	05/07/03
	ALKALINITY	48.0000	50.0000	mg/L	4.0000	55.8000			17	11/18/03	11/12/03

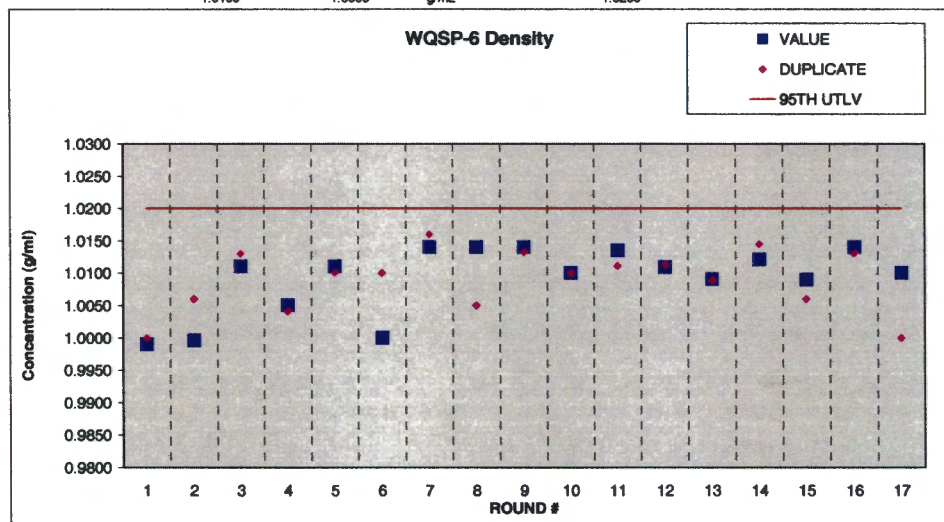


WQSP-6 Chloride

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-50-5	CHLORIDE	15800.0000	15800.0000	mg/L	5.0000	8200.0000		< 5.0000	1	10/18/95	10/18/95
7782-50-5	CHLORIDE	8200.0000	8200.0000	mg/L	1000.0000	8200.0000		< 5.0000	2	03/21/96	03/12/96
7782-50-5	CHLORIDE	6198.0000	6098.0000	mg/L	500.0000	8200.0000		< 5.0000	3	07/10/96	08/27/96
7782-50-5	CHLORIDE	5973.0000	5823.0000	mg/L	250.0000	8200.0000		< 5.0000	4	04/14/97	04/03/97
7782-50-5	CHLORIDE	5500.0000	5750.0000	mg/L	5000.0000	8200.0000		< 5.0000	5	07/07/97	08/25/97
7782-50-5	CHLORIDE	8070.0000	8053.3300	mg/L	0.0180	8200.0000		0.0544	6	08/05/98	08/03/98
7782-50-5	CHLORIDE	8000.0000	8000.0000	mg/L	0.5000	8200.0000		1.6800	7	10/22/98	10/21/98
7782-50-5	CHLORIDE	5800.0000	6000.0000	mg/L	0.5000	8200.0000		< 0.5000	8	05/20/99	05/19/99
7782-50-5	CHLORIDE	8000.0000	5700.0000	mg/L	0.5000	8200.0000		< 0.5000	9	11/03/99	11/03/99
7782-50-5	CHLORIDE	5800.0000	5500.0000	mg/L	0.5000	8200.0000		< 0.5000	10	05/19/00	05/10/00
7782-50-5	CHLORIDE	5500.0000	5500.0000	mg/L	2.0000	8200.0000		< 0.5000	11	11/18/00	11/15/00
7782-50-5	CHLORIDE	5140.0000	5170.0000	mg/L	0.5000	8200.0000			12	05/23/01	05/18/01
7782-50-5	CHLORIDE	4970.0000	4820.0000	mg/L	2.0000	8200.0000			13	11/27/01	11/07/01
7782-50-5	CHLORIDE	4980.0000	4850.0000	mg/L	2.0000	8200.0000			14	05/23/02	5/15/02
7782-50-5	CHLORIDE	5020.0000	4940.0000	mg/L	2.0000	8200.0000			15	11/13/02	11/13/02
7782-50-5	CHLORIDE	5410.0000	5380.0000	mg/L	2.0000	8200.0000			16	05/14/03	05/07/03
7782-50-5	CHLORIDE	4910.0000	4980.0000	mg/L	2.0000	8200.0000			17	11/13/03	11/12/03

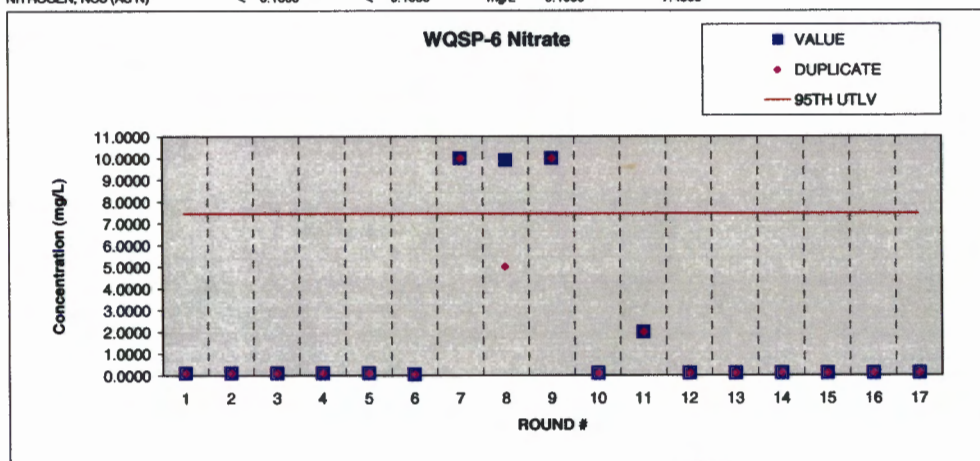


WQSP-6 Density											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	DENSITY	0.9990	1.0000	g/mL	0.0000	1.0200			1	11/19/95	10/18/95
	DENSITY	0.9998	1.0080	g/mL	0.0000	1.0200			2	03/27/96	03/12/96
	DENSITY	1.0110	1.0130	g/mL	0.0000	1.0200			3	07/11/96	06/27/96
	DENSITY	1.0050	1.0040	g/mL	0.0000	1.0200			4	04/18/97	04/03/97
	DENSITY	1.0110	1.0100	g/mL	0.0000	1.0200			5	06/27/97	06/25/97
	DENSITY	1.0000	1.0100	g/mL	0.0000	1.0200			6	06/05/98	06/03/98
	DENSITY	1.0140	1.0180	g/mL	—	1.0200			7	10/29/98	10/21/98
	DENSITY	1.0140	1.0050	g/mL		1.0200		0.9930	8	05/26/99	05/26/99
	DENSITY	1.0140	1.0132	g/mL		1.0200			9	11/09/99	11/03/99
	DENSITY	1.0100	1.0100	g/mL		1.0200			10	05/15/00	05/10/00
	DENSITY	1.0135	1.0111	g/mL		1.0200			11	11/24/00	11/15/00
	Density	1.0109	1.0113	g/mL		1.0200			12	05/18/01	05/16/01
	DENSITY	1.0091	1.0089	g/mL		1.0200			13	12/04/01	11/07/01
	DENSITY	1.0121	1.0145	g/mL		1.0200			14	05/20/02	05/15/02
	DENSITY	1.0090	1.0080	g/mL		1.0200			15	11/13/02	11/13/02
	DENSITY	1.0140	1.0130	g/mL		1.0200			16	05/07/03	05/07/03
	DENSITY	1.0100	1.0000	g/mL		1.0200			17	11/12/03	11/12/03



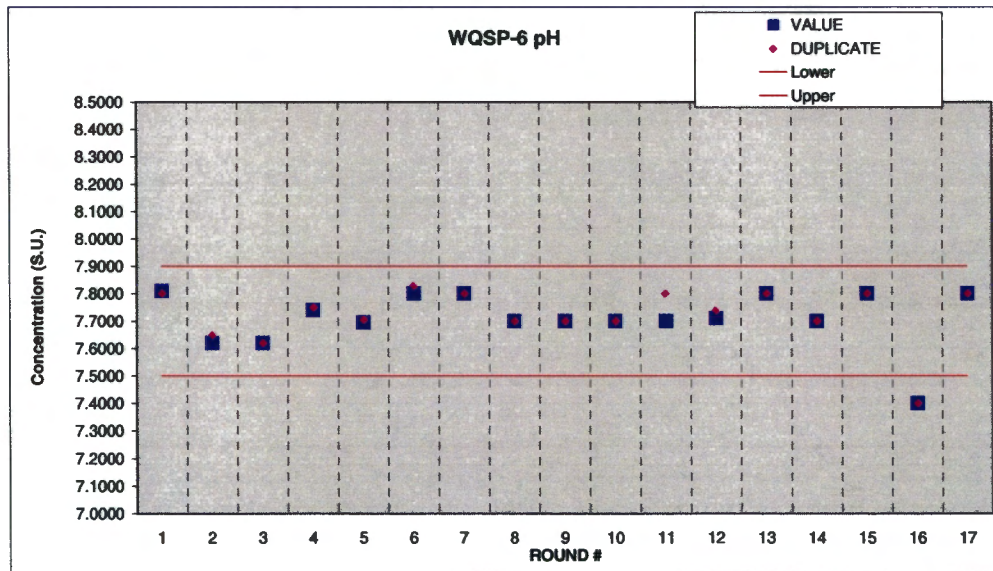
WQSP-6 Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	1	10/31/95	10/16/95
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	2	03/28/96	03/12/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	3	07/10/96	08/27/96
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	4	04/18/97	04/03/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	5	08/27/97	08/25/97
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0500	< 0.0500	mg/L	0.0040	7.4500		0.0040	6	08/05/98	08/03/98
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	7.4500		< 0.2000	7	10/22/98	10/21/98
7727-37-9	NITROGEN, NO3 (AS N)	9.9000	< 5.0000	mg/L	0.2000	7.4500		< 0.2000	8	05/20/99	05/19/99
7727-37-9	NITROGEN, NO3 (AS N)	< 10.0000	< 10.0000	mg/L	0.2000	7.4500		< 0.2000	9	11/03/99	11/03/99
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500		< 0.1000	10	05/17/00	05/10/00
7727-37-9	NITROGEN, NO3 (AS N)	< 2.0000	< 2.0000	mg/L	2.0000	7.4500		< 0.2000	11	11/18/00	11/15/00
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			12	05/22/01	05/18/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			13	11/21/01	11/07/01
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			14	05/21/02	05/15/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			15	11/14/02	11/13/02
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			16	05/07/03	05/07/03
7727-37-9	NITROGEN, NO3 (AS N)	< 0.1000	< 0.1000	mg/L	0.1000	7.4500			17	11/13/03	11/12/03

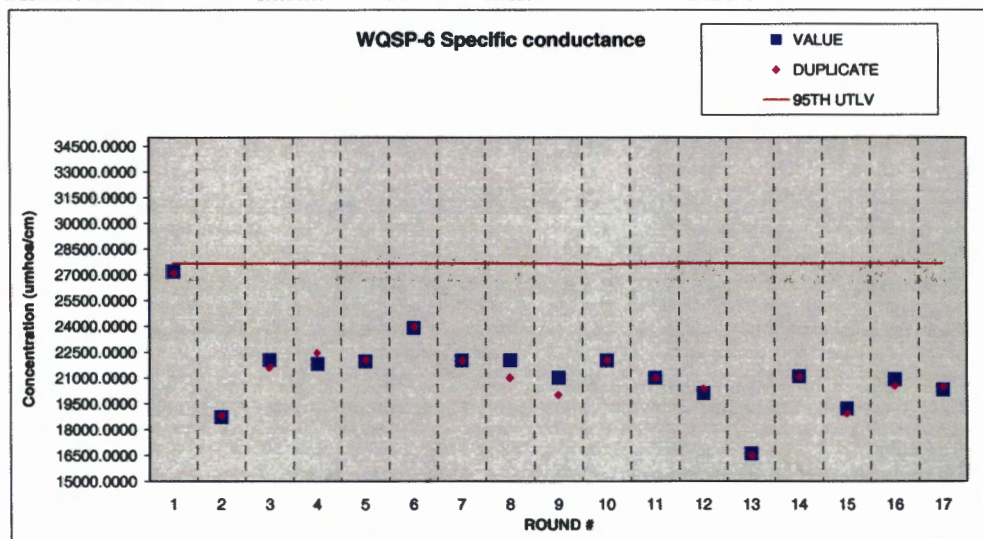


WQSP-6 pH

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	pH	7.8100	7.8000	S.U.	0.0000	7.5000	7.9000			1	10/17/95	10/18/95
	pH	7.8200	7.8500	S.U.	0.0000	7.5000	7.9000			2	03/13/96	03/12/96
	pH	7.8200	7.8200	S.U.	0.0000	7.5000	7.9000			3	07/28/96	06/27/96
	pH	7.7400	7.7500	S.U.		7.5000	7.9000			4	04/04/97	04/03/97
	pH	7.6950	7.7050	S.U.	0.0000	7.5000	7.9000			5	06/28/97	06/25/97
	pH	7.8000	7.8300	S.U.	0.0000	7.5000	7.9000			6	06/05/98	06/03/98
	PH	7.8000	7.8000	S.U.	---	7.5000	7.9000			7	10/22/98	10/21/98
	PH	7.7000	7.7000	S.U.		7.5000	7.9000			8	05/19/99	05/19/99
	PH	7.7000	7.7000	S.U.		7.5000	7.9000			9	11/03/99	11/03/99
	PH	7.7000	7.7000	S.U.		7.5000	7.9000			10	05/10/00	05/10/00
	pH	7.7000	7.8000	S.U.		7.5000	7.9000			11	11/15/00	11/15/00
	pH	7.7100	7.7400	S.U.		7.5000	7.9000			12	06/16/01	05/16/01
	pH	7.8000	7.8000	S.U.		7.5000	7.9000			13	11/07/01	11/07/01
	pH	7.7000	7.7000	S.U.		7.5000	7.9000			14	06/15/02	05/15/02
	pH	7.8000	7.8000	S.U.		7.5000	7.9000			15	11/13/02	11/13/02
	pH	7.4000	7.4000	S.U.		7.5000	7.9000			16	05/07/03	05/07/03
	pH	7.8000	7.8000	S.U.		7.5000	7.9000			17	11/12/03	11/12/03

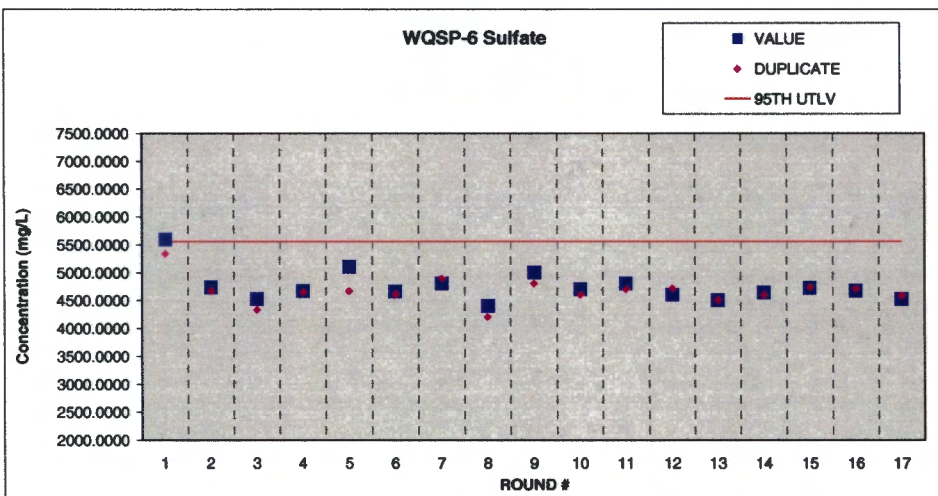


WQSP-6 Specific conductance											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	27200.0000	27100.0000	umhos/cm	1.0000	27680.0000			1	11/08/95	10/16/95
	SPECIFIC CONDUCTANCE	16700.0000	18800.0000	umhos/cm	3.0000	27680.0000			2	03/27/96	03/12/96
	SPECIFIC CONDUCTANCE	22018.0000	21582.0000	umhos/cm	3.0000	27680.0000			3	07/17/96	06/27/96
	SPECIFIC CONDUCTANCE	21800.0000	22450.0000	umhos/cm	3.0000	27680.0000			4	04/16/97	04/03/97
	SPECIFIC CONDUCTANCE	21950.0000	22050.0000	umhos/cm	3.0000	27680.0000			5	07/08/97	06/25/97
	SPECIFIC CONDUCTANCE	23900.0000	23967.0000	umhos/cm	0.0000	27680.0000			6	06/05/98	06/03/98
	SPECIFIC CONDUCTANCE	22000.0000	22000.0000	umhos/cm	---	27680.0000		5.4000	7	11/02/98	10/21/98
	SPECIFIC CONDUCTANCE	22000.0000	21000.0000	umhos/cm		27680.0000		16.0000	8	05/21/99	05/19/99
	SPECIFIC CONDUCTANCE	21000.0000	20000.0000	umhos/cm		27680.0000			9	11/10/99	11/03/99
	SPECIFIC CONDUCTANCE	22000.0000	22000.0000	umhos/cm		27680.0000			10	05/16/00	05/10/00
	SPECIFIC CONDUCTANCE	21000.0000	21000.0000	umhos/cm		27680.0000		9.5000	11	11/21/00	11/15/00
	SPECIFIC CONDUCTANCE	20100.0000	20400.0000	umhos/cm		27680.0000			12	05/23/01	05/16/01
	SPECIFIC CONDUCTANCE	16600.0000	16500.0000	umhos/cm		27680.0000			13	11/14/01	11/07/01
	SPECIFIC CONDUCTANCE	21060.0000	21040.0000	umhos/cm		27680.0000			14	05/21/02	05/15/02
	SPECIFIC CONDUCTANCE	19200.0000	18900.0000	umhos/cm		27680.0000			15	11/19/02	11/13/02
	SPECIFIC CONDUCTANCE	20900.0000	20500.0000	umhos/cm		27680.0000			16	05/08/03	05/07/03
	SPECIFIC CONDUCTANCE	20300.0000	20500.0000	umhos/cm		27680.0000			17	11/14/03	11/12/03



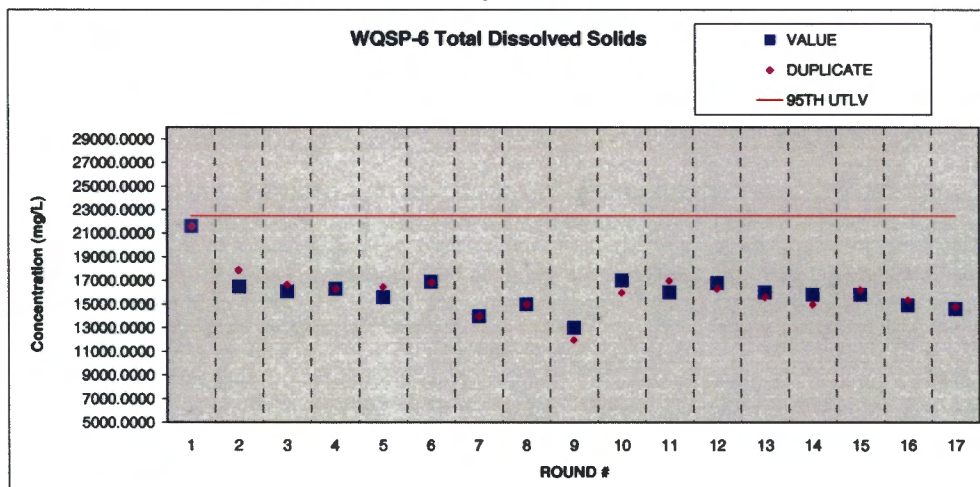
WQSP-6 Sulfate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SULFATE	5590.0000	5340.0000	mg/L	10.0000	5557.0000	< 10.0000	< 10.0000	1	10/19/95	10/18/95
	SULFATE	4730.0000	4670.0000	mg/L	1000.0000	5557.0000	< 10.0000	< 10.0000	2	03/21/96	03/12/96
	SULFATE	4523.0000	4337.0000	mg/L	1000.0000	5557.0000	< 10.0000	< 10.0000	3	07/10/96	06/27/96
	SULFATE	4670.0000	4650.0000	mg/L	10.0000	5557.0000	< 10.0000	< 10.0000	4	04/15/97	04/03/97
	SULFATE	5100.0000	4670.0000	mg/L	2500.0000	5557.0000	< 10.0000	< 10.0000	5	07/07/97	06/25/97
	SULFATE	4880.0000	4613.8400	mg/L	0.0400	5557.0000	0.0494	0.0494	6	06/05/98	06/03/98
	SULFATE	4800.0000	4900.0000	mg/L	0.5000	5557.0000	< 0.5000	< 0.5000	7	10/22/98	10/21/98
	SULFATE	4400.0000	4200.0000	mg/L	0.5000	5557.0000	< 0.5000	< 0.5000	8	05/20/99	05/19/99
	SULFATE	5000.0000	4800.0000	mg/L	0.5000	5557.0000	< 0.5000	< 0.5000	9	11/03/99	11/03/99
	SULFATE	4700.0000	4600.0000	mg/L	0.5000	5557.0000	< 0.5000	< 0.5000	10	05/18/00	05/10/00
	SULFATE	4800.0000	4700.0000	mg/L	0.5000	5557.0000	< 0.5000	< 0.5000	11	11/16/00	11/15/00
	SULFATE	4800.0000	4720.0000	mg/L	0.5000	5557.0000			12	05/23/01	05/16/01
	SULFATE	4500.0000	4510.0000	mg/L	2.0000	5557.0000			13	11/27/01	11/07/01
	SULFATE	4840.0000	4800.0000	mg/L	2.0000	5557.0000			14	05/21/02	05/15/02
	SULFATE	4720.0000	4740.0000	mg/L	2.0000	5557.0000			15	11/13/02	11/13/02
	SULFATE	4670.0000	4710.0000	mg/L	2.0000	5557.0000			16	05/07/03	05/07/03
	SULFATE	4520.0000	4590.0000	mg/L	2.0000	5557.0000			17	11/13/03	11/12/03



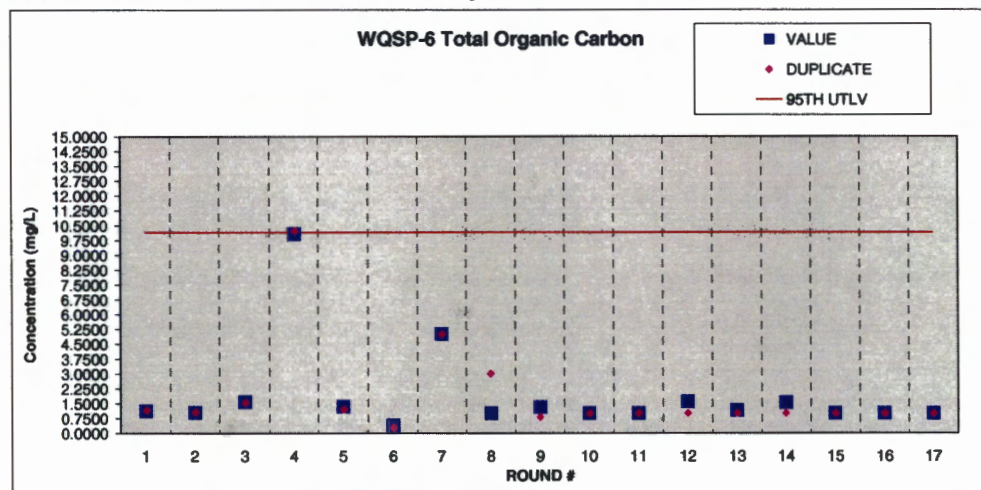
WQSP-6 Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	21800.0000	21800.0000	mg/L	10.0000	22500.0000		< 10.0000	1	10/19/95	10/19/95
	TOTAL DISS SOLIDS	18500.0000	17900.0000	mg/L	200.0000	22500.0000		< 10.0000	2	03/19/96	03/12/96
	TOTAL DISS SOLIDS	16080.0000	16720.0000	mg/L	200.0000	22500.0000		< 10.0000	3	07/05/96	06/27/96
	TOTAL DISS SOLIDS	16300.0000	16300.0000	mg/L	10.0000	22500.0000		< 10.0000	4	04/09/97	04/03/97
	TOTAL DISS SOLIDS	15800.0000	16500.0000	mg/L	200.0000	22500.0000		< 10.0000	5	08/28/97	08/25/97
	TOTAL DISS SOLIDS	16900.0000	16880.0000	mg/L	0.0000	22500.0000			6	08/05/98	08/03/98
	TOTAL DISS SOLIDS	14000.0000	14000.0000	mg/L	10.0000	22500.0000		< 10.0000	7	10/27/98	10/21/98
	TOTAL DISS SOLIDS	15000.0000	15000.0000	mg/L	10.0000	22500.0000		< 10.0000	8	05/20/99	05/19/99
	TOTAL DISS SOLIDS	13000.0000	12000.0000	mg/L	10.0000	22500.0000		< 10.0000	9	11/08/99	11/03/99
	TOTAL DISS SOLIDS	17000.0000	16000.0000	mg/L	13.0000	22500.0000		< 13.0000	10	05/18/00	05/10/00
	TOTAL DISS SOLIDS	16000.0000	17000.0000	mg/L	10.0000	22500.0000		< 10.0000	11	11/20/00	11/15/00
	TOTAL DISS SOLIDS	16800.0000	16300.0000	mg/L	10.0000	22500.0000			12	05/21/01	05/18/01
	TOTAL DISS SOLIDS	18000.0000	15600.0000	mg/L	10.0000	22500.0000			13	01/15/01	11/07/01
	TOTAL DISS SOLIDS	15800.0000	15000.0000	mg/L	10.0000	22500.0000			14	05/21/02	05/15/02
	TOTAL DISS SOLIDS	15820.0000	16280.0000	mg/L	10.0000	22500.0000			15	11/18/02	11/13/02
	TOTAL DISS SOLIDS	14900.0000	15400.0000	mg/L	10.0000	22500.0000			16	05/09/03	05/07/03
	TOTAL DISS SOLIDS	14800.0000	14800.0000	mg/L	10.0000	22500.0000			17	11/14/03	11/12/03



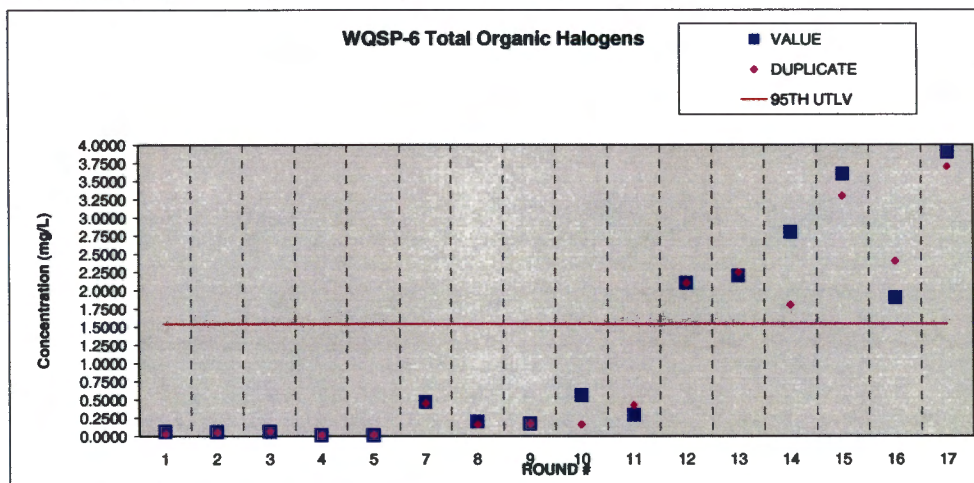
WQSP-6 Total Organic Carbon

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.1100	1.1600	mg/L	0.5000	10.1400		< 0.5000	1	11/15/95	10/18/95
	TOTAL ORGANIC CARBON	1.0300	1.0800	mg/L	0.5000	10.1400		< 0.5000	2	03/21/96	03/12/96
	TOTAL ORGANIC CARBON	1.5600	1.5300	mg/L	0.5000	10.1400		< 0.5000	3	07/17/96	06/27/96
	TOTAL ORGANIC CARBON	10.0500	10.2200	mg/L	5.0000	10.1400		< 0.5000	4	04/11/97	04/03/97
	TOTAL ORGANIC CARBON	1.3300	1.1950	mg/L	0.5000	10.1400		< 0.5000	5	06/27/97	06/25/97
	TOTAL ORGANIC CARBON	0.3700	0.2700	mg/L	0.0000	10.1400		0.1000	6	06/05/98	06/03/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	10.1400		< 5.0000	7	11/11/98	10/21/98
	TOTAL ORGANIC CARBON	< 1.0000	3.0000	mg/L	1.0000	10.1400		< 1.0000	8	06/14/99	05/19/99
	TOTAL ORGANIC CARBON	1.3000	0.8000	mg/L		10.1400			9	12/01/99	11/03/99
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	10.1400		< 1.0000	10	05/10/00	05/10/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	10.1400		< 1.0000	11	11/30/00	11/15/00
	TOTAL ORGANIC CARBON	1.5700	< 1.0000	mg/L	1.0000	10.1400			12	05/21/01	05/16/01
	TOTAL ORGANIC CARBON	1.1400	< 1.0000	mg/L	1.0000	10.1400			13	11/13/01	11/07/01
	TOTAL ORGANIC CARBON	1.5300	< 1.0000	mg/L	1.0000	10.1400			14	05/28/02	05/15/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	10.1400			15	11/15/02	11/13/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	10.1400			16	05/13/03	05/07/03
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	10.1400			17	11/19/03	11/12/03



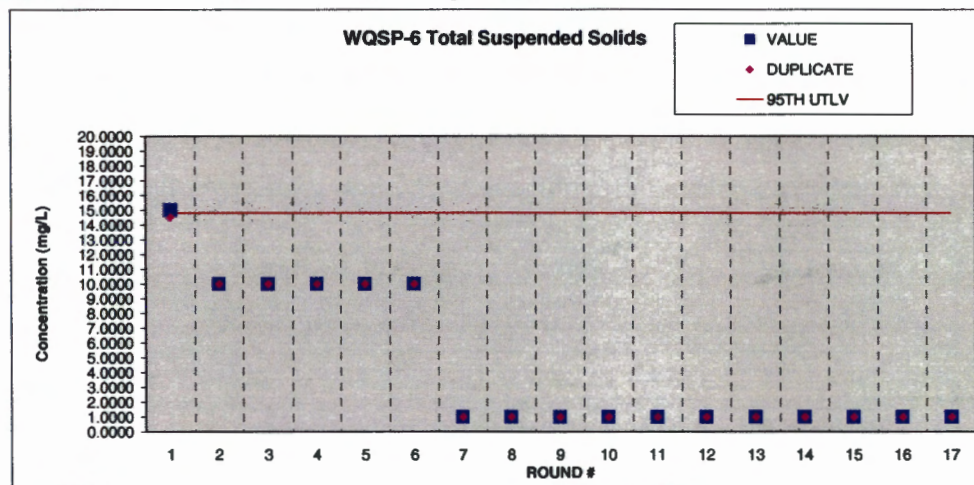
WQSP-6 Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.0800	0.0310	mg/L	0.0200	1.5400		< 0.0100	1	11/15/95	10/16/95
	TOTAL ORGANIC HALOGENS	0.0573	0.0536	mg/L	0.0100	1.5400		0.0141	2	03/13/96	03/12/96
	TOTAL ORGANIC HALOGENS	0.0801	0.0647	mg/L	0.0100	1.5400		< 0.0100	3	07/02/96	06/27/96
	TOTAL ORGANIC HALOGENS	0.0128	0.0185	mg/L	0.0100	1.5400		0.0142	4	04/10/97	04/03/97
	TOTAL ORGANIC HALOGENS	0.0145	0.0224	mg/L	0.0100	1.5400		0.0117	5	07/01/97	06/25/97
	TOTAL ORGANIC HALOGENS	0.4700	0.4500	mg/L	0.0100	1.5400			7	11/02/98	10/21/98
	TOTAL ORGANIC HALOGENS	0.2000	0.1600	mg/L		1.5400			8	06/08/99	05/19/99
	TOTAL ORGANIC HALOGENS	0.1700	0.1700	mg/L		1.5400			9	11/16/99	11/03/99
	TOTAL ORGANIC HALOGENS	0.5800	0.1600	mg/L		1.5400			10	05/23/00	05/10/00
	TOTAL ORGANIC HALOGENS	0.2900	0.4300	mg/L		1.5400		0.0003	11	11/30/00	11/15/00
	TOTAL ORGANIC HALOGENS	2.1000	2.1000	mg/L		1.5400			12	05/30/01	05/18/01
	TOTAL ORGANIC HALOGENS	2.2000	2.2500	mg/L	0.0050	1.5400			13	11/28/01	11/07/01
	TOTAL ORGANIC HALOGENS	2.8000	1.8000	mg/L	0.0050	1.5400			14	05/29/02	05/15/02
	TOTAL ORGANIC HALOGENS	3.8000	3.3000	mg/L	0.0050	1.5400			15	11/21/02	11/13/02
	TOTAL ORGANIC HALOGENS	1.9000	2.4000	mg/L	0.0050	1.5400			16	05/22/03	05/07/03
	TOTAL ORGANIC HALOGENS	3.9000	3.7000	mg/L	0.0050	1.5400			17	12/02/03	11/12/03



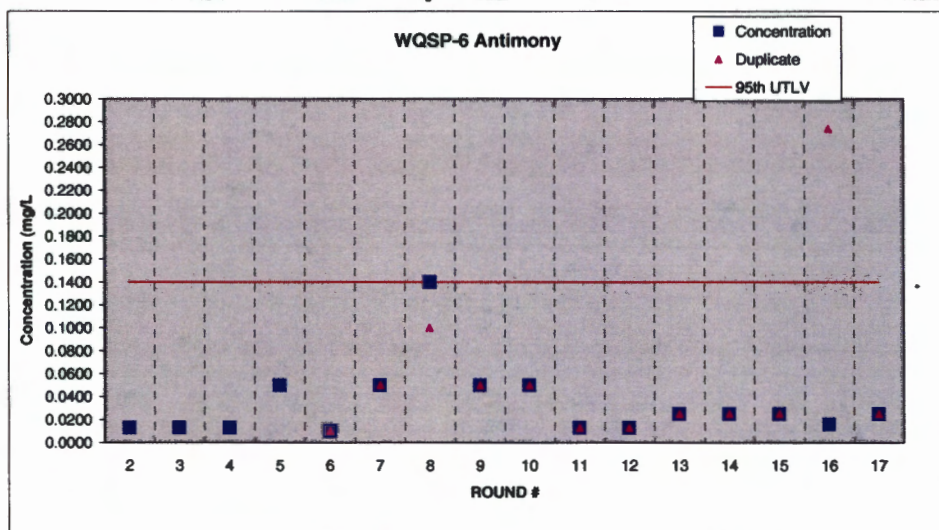
WQSP-6 Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	15.0000	14.5000	mg/L	10.0000	14.8000		< 10.0000	1	10/18/95	10/18/95
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	14.8000		< 10.0000	2	03/14/96	03/12/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	14.8000		< 10.0000	3	07/05/96	06/27/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	14.8000		< 10.0000	4	04/08/97	04/03/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	14.8000		< 10.0000	5	06/29/97	06/25/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	0.0000	14.8000			6	06/05/98	06/03/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000		< 1.0000	7	10/22/98	10/21/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000		< 1.0000	8	05/21/99	05/19/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000		< 1.0000	9	11/10/99	11/03/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000		< 1.0000	10	05/17/00	05/10/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000		< 1.0000	11	11/20/00	11/15/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			12	05/18/01	05/16/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			13	11/09/01	11/07/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			14	05/19/02	05/15/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			15	11/18/02	11/13/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			16	05/14/03	05/07/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	14.8000			17	11/18/03	11/12/03

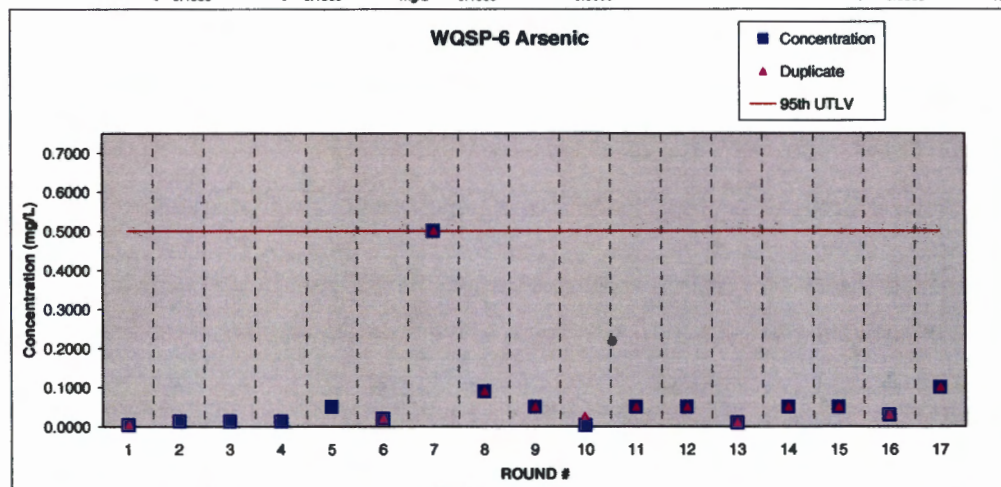


WQSP-6 Antimony

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.1400	< 0.0050	0.0000	2	10/15/96	10/10/96
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.1400	< 0.0050	0.0000	3	07/27/96	06/27/96
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.1400	< 0.0050		4	04/11/97	04/03/97
7440-36-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.1400	< 0.0050		5	07/11/97	06/25/97
7440-36-0	ANTIMONY	< 0.0100	< 0.0100	mg/L	0.0010	0.1400		< 0.0010	6	06/05/98	06/03/98
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.1400		< 0.0500	7	11/27/98	10/21/98
7440-36-0	ANTIMONY	0.1400	0.1000	mg/L	0.0500	0.1400		< 0.0500	8	05/29/99	05/19/99
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.1400		< 0.0500	9	11/25/99	11/03/99
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.1400		< 0.0100	10	08/20/00	05/10/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.1400		< 0.1300	11	12/12/00	11/15/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.1400			12	07/08/01	05/16/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.1400		0.0080	13	11/14/01	11/07/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.1400		< 0.0250	14	05/19/02	05/15/02
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.1400		< 0.0250	15	11/16/02	11/13/02
7440-36-0	ANTIMONY	< 0.0160	0.2740	mg/L	0.0130	0.1400		< 0.0250	16	05/15/03	05/07/03
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.1400		< 0.0250	17	11/16/03	11/12/03

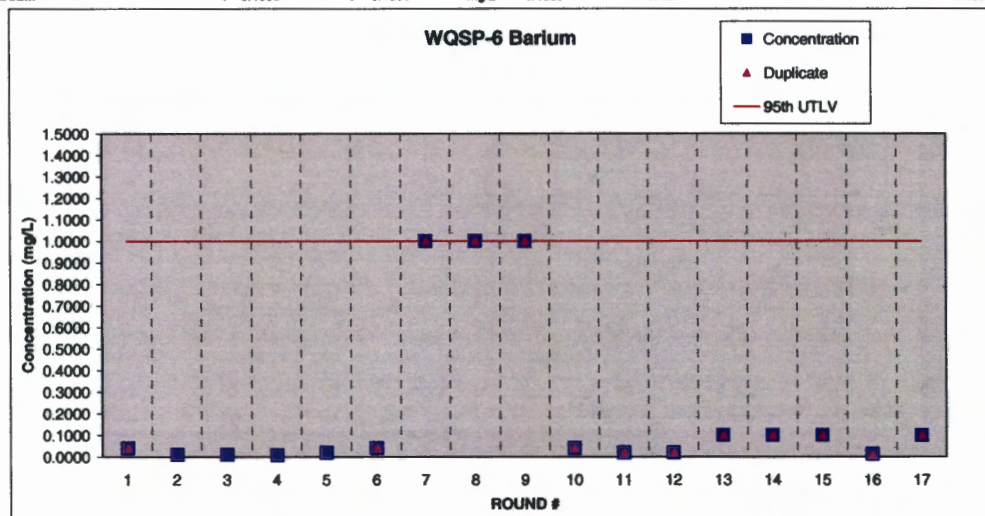


WQSP-6 Arsenic											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0040	< 0.0040	mg/L	0.0040	0.5000		< 0.0020	1	11/02/95	10/18/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	10/15/96	10/10/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/27/96	06/27/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	04/11/97	04/03/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	07/11/97	06/25/97
7440-38-2	ARSENIC	< 0.0200	< 0.0200	mg/L	0.0010	0.5000		< 0.0010	6	08/05/98	06/03/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/98	10/21/98
7440-38-2	ARSENIC	0.0900	0.0900	mg/L	0.0500	0.5000		< 0.0500	8	05/29/99	05/19/99
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/25/99	11/03/99
7440-38-2	ARSENIC	0.0030	0.0270	mg/L	0.0500	0.5000		< 0.0100	10	06/20/00	05/10/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	11	12/12/00	11/15/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000			12	07/08/01	05/16/01
7440-38-2	ARSENIC	< 0.0100	< 0.0100	mg/L	0.0500	0.5000		0.0090	13	11/14/01	11/07/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	14	05/19/02	05/15/02
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	15	11/16/02	11/13/02
7440-38-2	ARSENIC	< 0.0296	< 0.0296	mg/L	0.0296	0.5000		< 0.0500	16	05/15/03	05/07/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0500	17	11/16/03	11/12/03

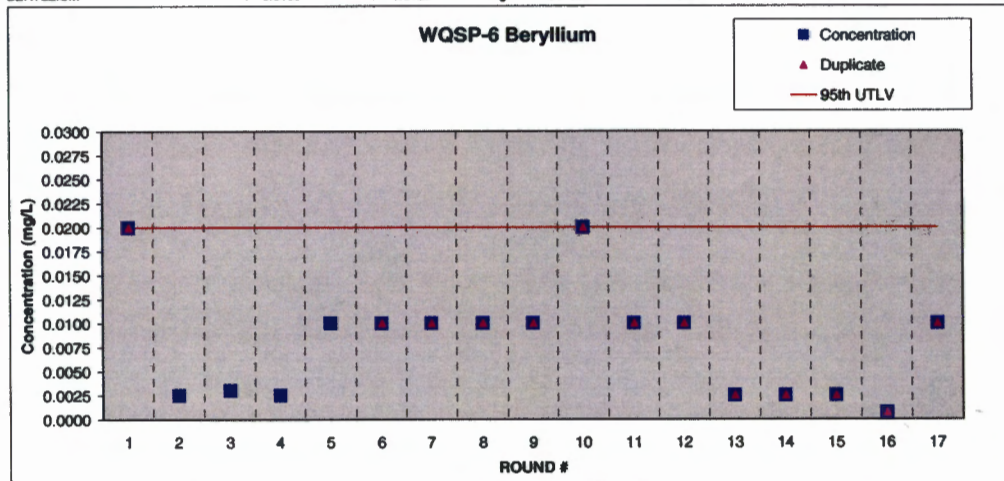


WQSP-6 Barium

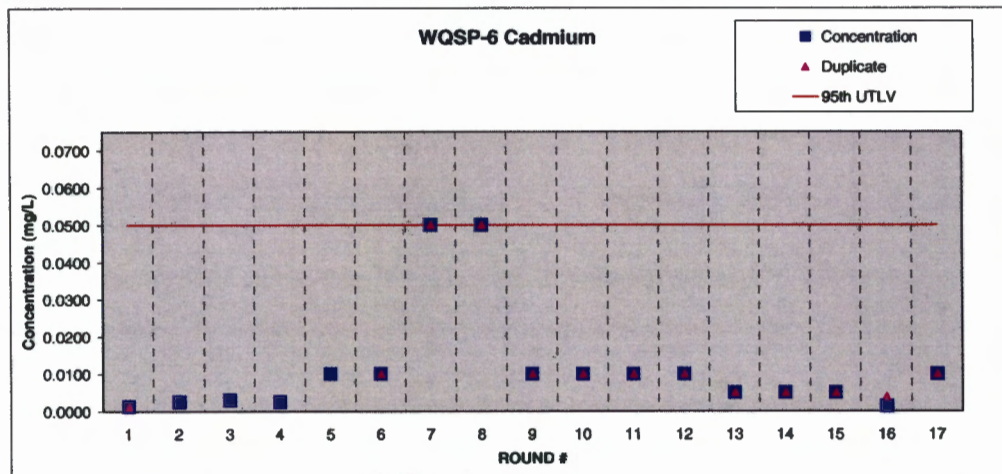
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-39-3	BARIIUM	< 0.0400	< 0.0400	mg/L	0.0400	1.0000		< 0.0040	1	10/25/95	10/18/95
7440-39-3	BARIIUM	0.0100		mg/L	0.0050	1.0000	< 0.0020		2	10/15/96	10/10/96
7440-39-3	BARIIUM	0.0110		mg/L	0.0050	1.0000	< 0.0020		3	07/27/96	06/27/96
7440-39-3	BARIIUM	0.0070		mg/L	0.0050	1.0000	< 0.0020		4	04/11/97	04/03/97
7440-39-3	BARIIUM	< 0.0200		mg/L	0.0200	1.0000	< 0.0020		5	07/11/97	06/25/97
7440-39-3	BARIIUM	< 0.0400	< 0.0400	mg/L	0.0040	1.0000		< 0.0040	6	08/05/98	08/03/98
7440-39-3	BARIIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	7	11/27/98	10/21/98
7440-39-3	BARIIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	05/29/99	05/19/99
7440-39-3	BARIIUM	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	9	11/25/99	11/03/99
7440-39-3	BARIIUM	< 0.0400	< 0.0400	mg/L	0.0400	1.0000	< 0.0080		10	06/20/00	05/10/00
7440-39-3	BARIIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000	< 0.0200		11	12/12/00	11/15/00
7440-39-3	BARIIUM	< 0.0200	< 0.0200	mg/L	0.0200	1.0000			12	07/08/01	05/16/01
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.0200	1.0000		0.0040	13	11/14/01	11/07/01
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000	< 0.1000		14	05/19/02	05/15/02
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.0200	1.0000	< 0.1000		15	11/16/02	11/13/02
7440-39-3	BARIIUM	0.0130	0.0080	mg/L	0.0200	1.0000	< 0.1000		16	05/15/03	05/07/03
7440-39-3	BARIIUM	< 0.1000	< 0.1000	mg/L	0.1000	1.0000	< 0.1000		17	11/16/03	11/12/03



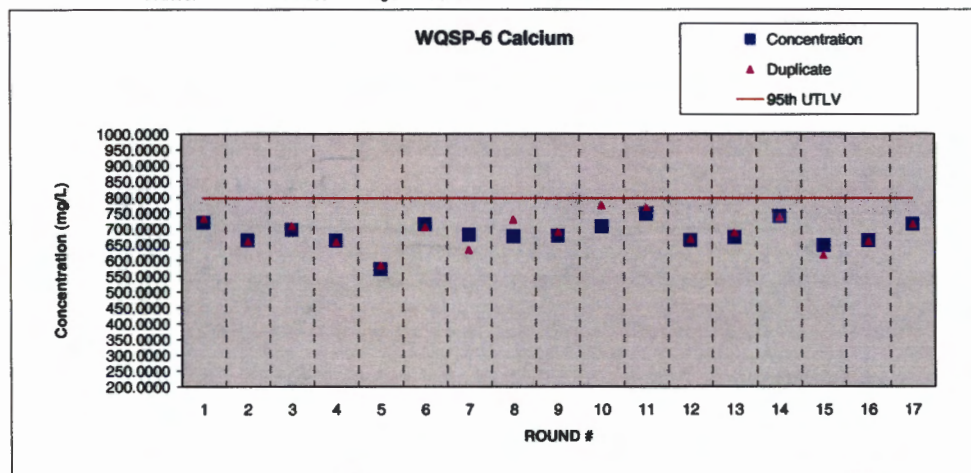
WQSP-6 Beryllium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200		< 0.0020	1	10/25/95	10/16/95
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		2	10/15/96	10/10/96
7440-41-7	BERYLLIUM	< 0.0030		mg/L	0.0030	0.0200	< 0.0010		3	07/27/96	08/27/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0200	< 0.0010		4	04/11/97	04/03/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.0200	< 0.0010		5	07/11/97	08/25/97
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0200		< 0.0010	6	08/05/98	08/03/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0200		< 0.0100	7	11/27/98	10/21/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0100	8	05/29/99	05/19/99
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0100	9	11/25/99	11/03/99
7440-41-7	BERYLLIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.0200		< 0.0040	10	08/20/00	05/10/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0100	11	12/11/00	11/15/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200			12	07/08/01	05/16/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0100	0.0200		0.0002	13	11/14/01	11/07/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200		< 0.0025	14	05/19/02	05/15/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0200		< 0.0025	15	11/16/02	11/13/02
7440-41-7	BERYLLIUM	< 0.0007	< 0.0007	mg/L	0.0007	0.0200		< 0.0025	16	05/15/03	05/07/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0200		< 0.0025	17	11/16/03	11/12/03



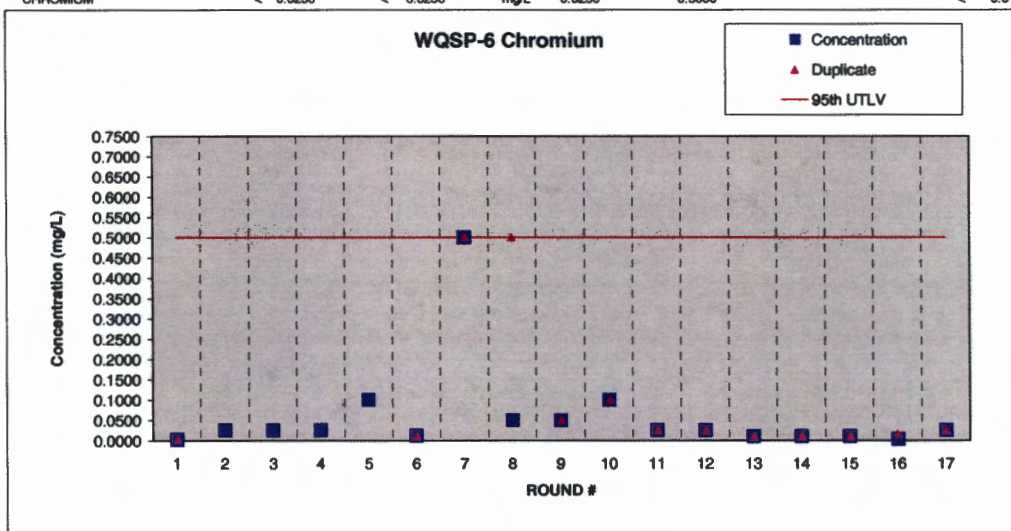
WQSP-6 Cadmium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====											
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.0500		< 0.0013	1	11/14/95	10/18/95
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		2	10/15/96	10/10/96
7440-43-9	CADMIUM	< 0.0030		mg/L	0.0030	0.0500	< 0.0010		3	07/27/96	06/27/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		4	04/11/97	04/03/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.0500	< 0.0010		5	07/11/97	06/25/97
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.0500		< 0.0010	6	09/05/98	08/03/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0050	0.0500		< 0.0500	7	11/27/98	10/21/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0500	8	05/29/99	05/19/99
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	9	11/25/99	11/03/99
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0020	10	06/20/00	05/10/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	11	12/12/00	11/15/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500			12	07/08/01	05/16/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0100	0.0500		0.0001	13	11/14/01	11/07/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500		< 0.0050	14	05/19/02	05/15/02
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500		< 0.0050	15	11/18/02	11/13/02
7440-43-9	CADMIUM	< 0.0013	0.0040	mg/L	0.0013	0.0500		< 0.0050	16	05/15/03	05/07/03
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0050	17	11/18/03	11/12/03



WQSP-6 Calcium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	719.0000	731.0000	mg/L	2.0000	798.0000		< 0.2000	1	10/25/95	10/18/95
7440-70-2	CALCIUM	693.0000	659.0000	mg/L	0.5000	798.0000	< 0.2000	< 0.2000	2	03/27/96	03/12/96
7440-70-2	CALCIUM	696.0000	709.0000	mg/L	2.0000	798.0000	< 0.2000	< 0.2000	3	07/26/96	06/27/96
7440-70-2	CALCIUM	682.0000	657.0000	mg/L	2.0000	798.0000	< 0.2000	< 0.2000	4	04/11/97	04/03/97
7440-70-2	CALCIUM	572.0000	584.0000	mg/L	2.0000	798.0000	< 0.2000	< 0.2000	5	07/11/97	06/25/97
7440-70-2	CALCIUM	714.0000	703.5820	mg/L	0.0120	798.0000		0.0120	6	06/05/98	06/03/98
7440-70-2	CALCIUM	690.0000	633.0000	mg/L	0.5000	798.0000		< 0.5000	7	11/27/98	10/21/98
7440-70-2	CALCIUM	675.0000	728.0000	mg/L	1.0000	798.0000		< 1.0000	8	05/29/99	05/19/99
7440-70-2	CALCIUM	677.0000	690.0000	mg/L	1.0000	798.0000		< 1.0000	9	12/09/99	11/03/99
7440-70-2	CALCIUM	707.0000	774.0000	mg/L	50.0000	798.0000		< 0.0100	10	06/20/00	05/10/00
7440-70-2	CALCIUM	747.0000	798.0000	mg/L	5.0000	798.0000		< 5.0000	11	11/24/00	11/15/00
7440-70-2	CALCIUM	683.0000	667.0000	mg/L	0.5000	798.0000			12	08/15/01	05/16/01
7440-70-2	CALCIUM	672.0000	688.0000	mg/L	0.2000	798.0000			13	11/20/01	11/07/01
7440-70-2	CALCIUM	738.0000	735.0000	mg/L	0.5000	798.0000			14	05/31/02	05/15/02
7440-70-2	CALCIUM	647.0000	616.0000	mg/L	0.5000	798.0000			15	11/25/02	11/13/02
7440-70-2	CALCIUM	662.0000	659.0000	mg/L	0.5000	798.0000			16	05/19/03	05/07/03
7440-70-2	CALCIUM	714.0000	714.0000	mg/L	0.5000	798.0000			17	11/17/03	11/12/03

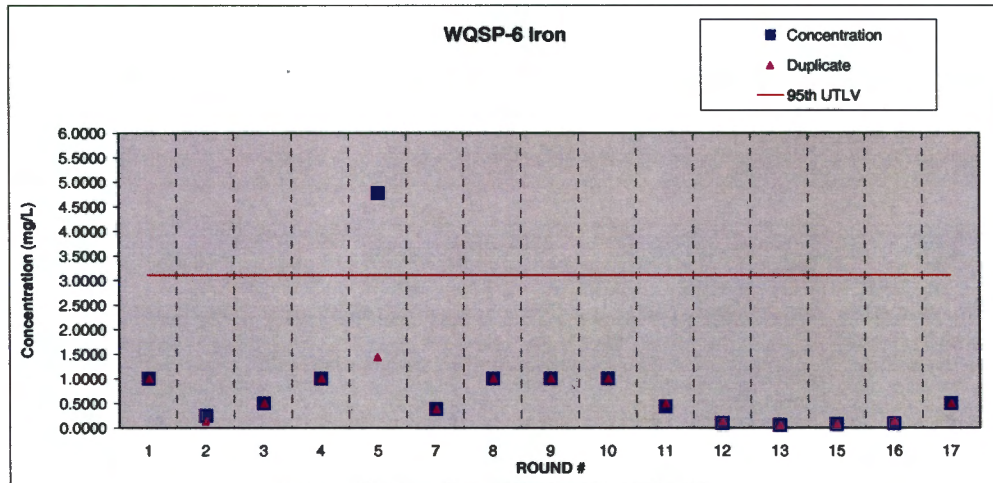


WQSP-6 Chromium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-47-3	CHROMIUM	< 0.0025	0.0027	mg/L	0.0025	0.5000			1	11/14/86	10/16/86
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100	< 0.0025	2	10/15/86	10/10/86
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	07/27/86	06/27/86
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	0.0100		4	04/11/87	04/03/87
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	07/11/87	06/25/87
7440-47-3	CHROMIUM	0.0115	< 0.0100	mg/L	0.0010	0.5000		< 0.0010	6	06/05/88	06/03/88
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/88	10/21/88
7440-47-3	CHROMIUM	< 0.0500	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/29/89	05/19/89
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/25/89	11/03/89
7440-47-3	CHROMIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0200	10	06/20/00	05/10/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	11	12/12/00	11/15/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000			12	07/08/01	05/16/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0250	0.5000		0.0000	13	11/14/01	11/07/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	14	05/19/02	05/15/02
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	15	11/16/02	11/13/02
7440-47-3	CHROMIUM	< 0.0033	0.0170	mg/L	0.0033	0.5000		< 0.0100	16	05/15/03	05/07/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0100	17	11/16/03	11/12/03

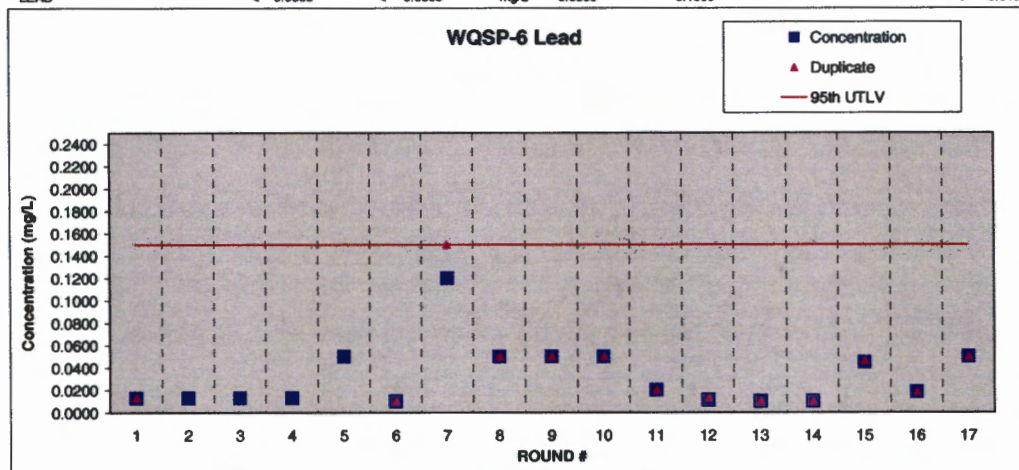


WQSP-6 Iron

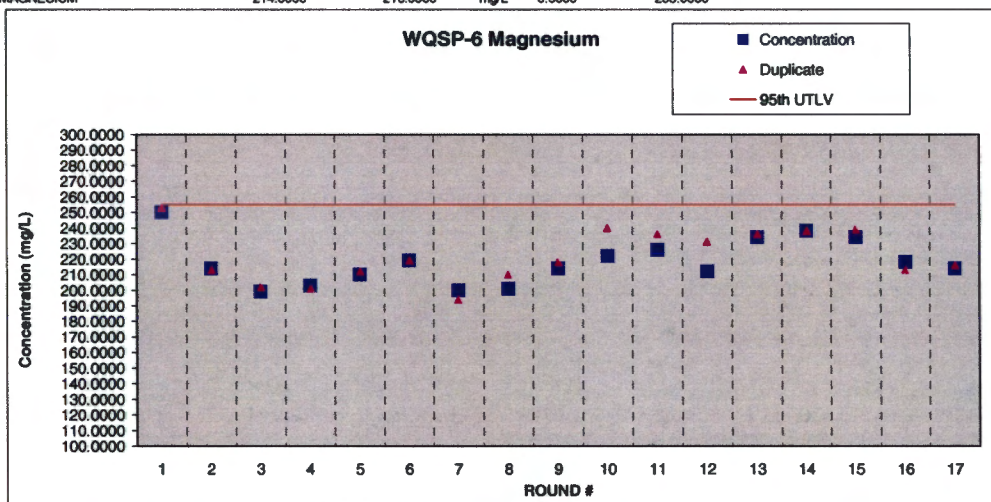
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	3.1050		< 0.5000	1	10/25/95	10/16/95
7439-89-6	IRON	0.2440	< 0.1300	mg/L	0.1300	3.1050	< 0.0500	< 0.0500	2	03/27/96	03/12/96
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	3.1050	< 0.0500	< 0.0500	3	07/26/96	06/27/96
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	3.1050	< 0.1000	< 0.1000	4	04/11/97	04/03/97
7439-89-6	IRON	4.7700	1.4400	mg/L	0.5000	3.1050	< 0.0500	< 0.0500	5	07/11/97	08/25/97
7439-89-6	IRON	0.3800	0.3800	mg/L	0.3000	3.1050		< 0.3000	7	11/27/98	10/21/98
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	3.1050		< 1.0000	8	05/29/99	05/19/99
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	3.1050		< 1.0000	9	11/25/99	11/03/99
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	3.1050		< 0.2000	10	06/20/00	05/10/00
7439-89-6	IRON	0.4320	< 0.5000	mg/L	0.5000	3.1050		< 0.5000	11	12/12/00	11/15/00
7439-89-6	IRON	0.0886	0.1310	mg/L	0.5000	3.1050			12	07/08/01	05/18/01
7439-89-6	IRON	< 0.0500	< 0.0500	mg/L	0.5000	3.1050		< 0.0080	13	11/14/01	11/07/01
7439-89-6	IRON	0.0898	0.0694	mg/L	0.5000	3.1050		< 0.0500	15	11/16/02	11/13/02
7439-89-6	IRON	0.0880	0.1370	mg/L	0.5000	3.1050		< 0.0500	16	05/15/03	05/07/03
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	3.1050		< 0.0500	17	11/18/03	11/12/03



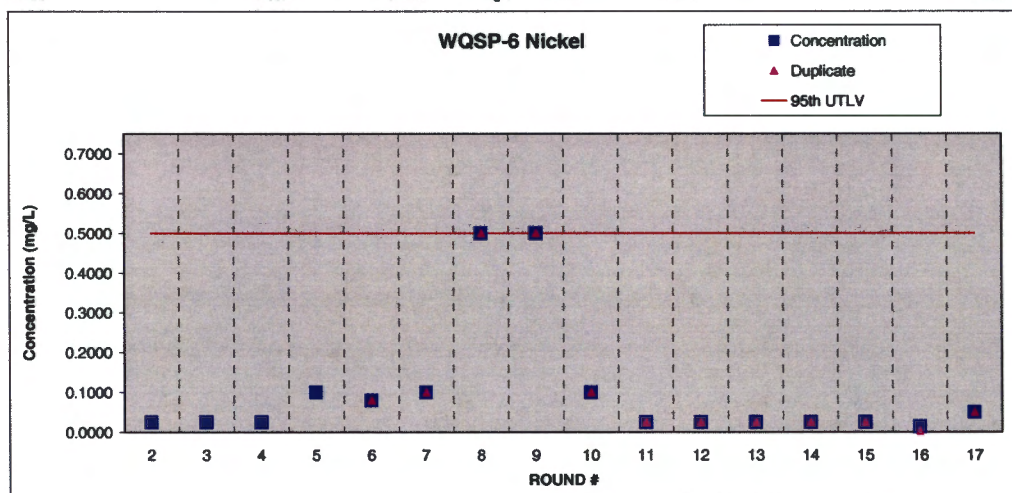
WQSP-6 Lead											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0130	< 0.0130	mg/L	0.0130	0.1500		< 0.0130	1	11/14/96	10/16/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		2	10/15/96	10/10/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		3	07/27/96	08/27/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.1500	< 0.0050		4	04/11/97	04/03/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.1500	< 0.0050		5	07/11/97	06/25/97
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0010	0.1500		< 0.0010	6	06/05/98	08/03/98
7439-92-1	LEAD	0.1200	0.1500	mg/L	0.0050	0.1500		< 0.0500	7	11/27/98	10/21/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	8	05/29/99	05/19/99
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0500	9	11/25/99	11/03/99
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0100	10	06/20/00	05/10/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.1500		< 0.0200	11	12/12/00	11/15/00
7439-92-1	LEAD	0.0113	0.0132	mg/L	0.0200	0.1500			12	07/08/01	05/18/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0200	0.1500		< 0.0020	13	11/14/01	11/07/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.1500		< 0.0100	14	05/19/02	05/15/02
7439-92-1	LEAD	0.0447	0.0484	mg/L	0.0200	0.1500		< 0.0100	15	11/18/02	11/13/02
7439-92-1	LEAD	< 0.0184	< 0.0184	mg/L	0.0184	0.1500		< 0.0100	16	05/15/03	05/07/03
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.1500		< 0.0100	17	11/18/03	11/12/03



WQSP-6 Magnesium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-95-4	MAGNESIUM	250.0000	253.0000	mg/L	1.0000	255.0000		< 0.1000	1	10/25/95	10/16/95
7439-95-4	MAGNESIUM	214.0000	213.0000	mg/L	0.1300	255.0000	< 0.0500	< 0.0500	2	03/27/96	03/12/96
7439-95-4	MAGNESIUM	198.0000	202.0000	mg/L	0.5000	255.0000	< 0.0500	< 0.0500	3	07/28/96	08/27/96
7439-95-4	MAGNESIUM	203.0000	201.0000	mg/L	1.0000	255.0000	< 0.1000	< 0.1000	4	04/11/97	04/03/97
7439-95-4	MAGNESIUM	210.0000	212.0000	mg/L	1.0000	255.0000	< 0.1000	< 0.1000	5	07/11/97	08/25/97
7439-95-4	MAGNESIUM	219.0000	218.9894	mg/L	0.0720	255.0000		0.0720	6	08/05/98	08/03/98
7439-95-4	MAGNESIUM	200.0000	194.0000	mg/L	0.5000	255.0000		< 0.5000	7	11/27/98	10/21/98
7439-95-4	MAGNESIUM	201.0000	210.0000	mg/L	1.0000	255.0000		< 1.0000	8	05/29/99	05/19/99
7439-95-4	MAGNESIUM	214.0000	218.0000	mg/L	1.0000	255.0000		< 1.0000	9	12/09/99	11/03/99
7439-95-4	MAGNESIUM	222.0000	240.0000	mg/L	0.5000	255.0000		< 0.5000	10	08/20/00	05/10/00
7439-95-4	MAGNESIUM	226.0000	238.0000	mg/L	5.0000	255.0000		< 5.0000	11	11/24/00	11/15/00
7439-95-4	MAGNESIUM	212.0000	231.0000	mg/L	0.5000	255.0000			12	08/15/01	05/16/01
7439-95-4	MAGNESIUM	234.0000	236.0000	mg/L	0.2000	255.0000			13	11/20/01	11/07/01
7439-95-4	MAGNESIUM	238.0000	238.0000	mg/L	0.5000	255.0000			14	05/31/02	05/15/02
7439-95-4	MAGNESIUM	234.0000	238.0000	mg/L	0.5000	255.0000			15	11/25/02	11/13/02
7439-95-4	MAGNESIUM	218.0000	213.0000	mg/L	0.5000	255.0000			16	05/19/03	05/07/03
7439-95-4	MAGNESIUM	214.0000	216.0000	mg/L	0.5000	255.0000			17	11/17/03	11/12/03

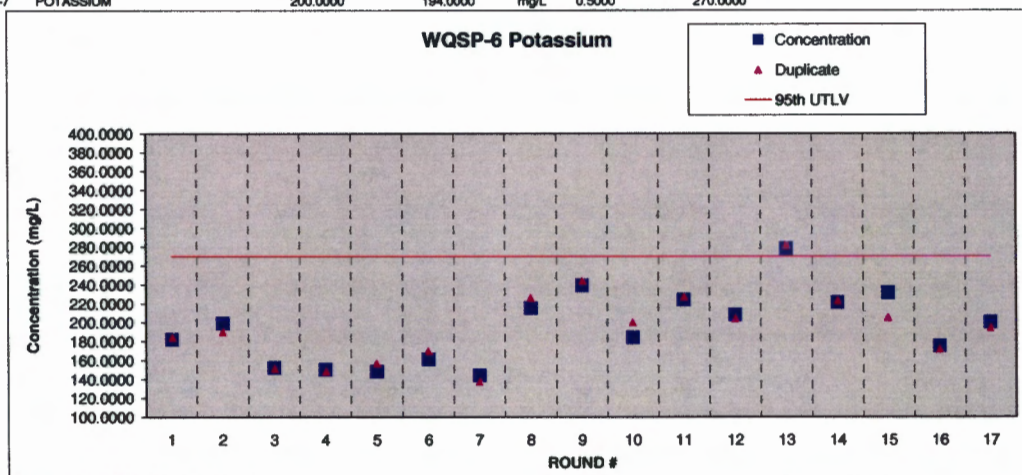


WQSP-6 Nickel											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		2	10/15/96	10/10/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	07/27/96	08/27/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		4	04/11/97	04/03/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	07/11/97	08/25/97
7440-02-0	NICKEL	< 0.0800	< 0.0800	mg/L	0.0800	0.5000		< 0.0080	6	08/05/98	08/03/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.1000	7	11/27/98	10/21/98
7440-02-0	NICKEL	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/29/99	05/19/99
7440-02-0	NICKEL	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	9	11/25/99	11/03/99
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.0200	10	08/20/00	05/10/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	11	12/12/00	11/15/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.5000			12	07/08/01	05/18/01
7440-02	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		0.0010	13	11/14/01	11/07/01
7440-02	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	14	05/19/02	05/15/02
7440-02	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	15	11/18/02	11/13/02
7440-02	NICKEL	< 0.0135	< 0.0027	mg/L	0.0250	0.5000		< 0.0250	16	05/15/03	05/07/03
7440-02	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0250	17	11/18/03	11/12/03



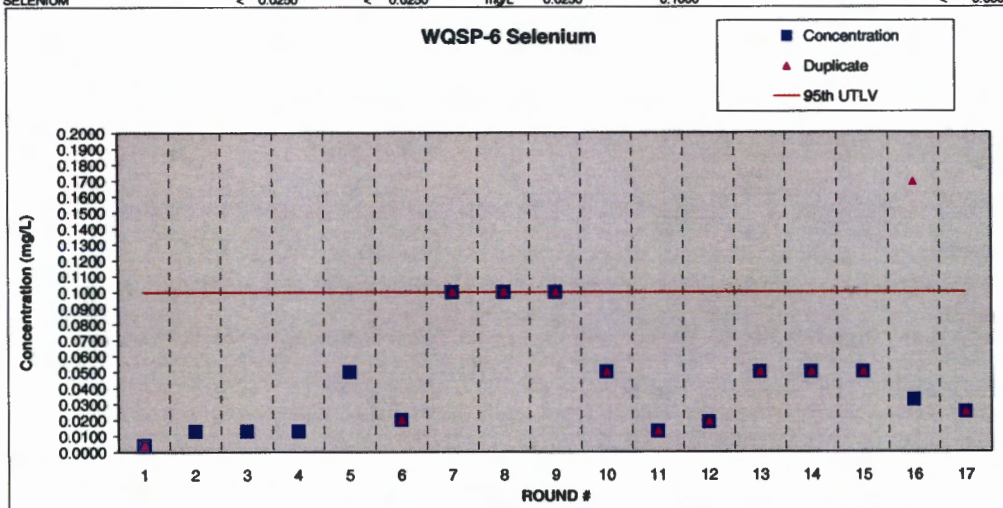
WQSP-6 Potassium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-09-7	POTASSIUM	182.0000	184.0000	mg/L	0.2000	270.0000		< 0.2000	1	10/25/95	10/16/95
7440-09-7	POTASSIUM	199.0000	190.0000	mg/L	5.0000	270.0000	< 0.2000	< 0.2000	2	03/27/96	03/12/96
7440-09-7	POTASSIUM	152.0000	151.0000	mg/L	2.0000	270.0000	0.2000	< 0.2000	3	07/29/96	06/27/96
7440-09-7	POTASSIUM	150.0000	148.0000	mg/L	2.0000	270.0000	< 0.2000	< 0.2000	4	04/11/97	04/03/97
7440-09-7	POTASSIUM	148.0000	157.0000	mg/L	2.0000	270.0000	< 0.2000	< 0.2000	5	07/10/97	06/25/97
7440-09-7	POTASSIUM	161.0000	169.8400	mg/L	0.0740	270.0000		0.0740	6	08/05/98	08/03/98
7440-09-7	POTASSIUM	144.0000	137.0000	mg/L	0.5000	270.0000		< 0.5000	7	11/27/98	10/21/98
7440-09-7	POTASSIUM	215.0000	228.0000	mg/L	1.0000	270.0000		< 1.0000	8	05/29/99	05/19/99
7440-09-7	POTASSIUM	239.0000	244.0000	mg/L	1.0000	270.0000		< 1.0000	9	12/09/99	11/25/99
7440-09-7	POTASSIUM	184.0000	200.0000	mg/L	0.5000	270.0000		< 0.5000	10	06/20/00	05/10/00
7440-09-7	POTASSIUM	224.0000	227.0000	mg/L	5.0000	270.0000		0.0050	11	11/24/00	11/15/00
7440-09-7	POTASSIUM	206.0000	204.0000	mg/L	0.5000	270.0000			12	08/15/01	05/16/01
7440-09-7	POTASSIUM	276.0000	282.0000	mg/L	0.2000	270.0000			13	11/20/01	11/07/01
7440-09-7	POTASSIUM	221.0000	223.0000	mg/L	0.5000	270.0000			14	05/31/02	05/15/02
7440-09-7	POTASSIUM	231.0000	205.0000	mg/L	0.5000	270.0000			15	11/25/02	11/13/02
7440-09-7	POTASSIUM	175.0000	171.0000	mg/L	0.5000	270.0000			16	05/19/03	05/07/03
7440-09-7	POTASSIUM	200.0000	194.0000	mg/L	0.5000	270.0000			17	11/17/03	11/12/03



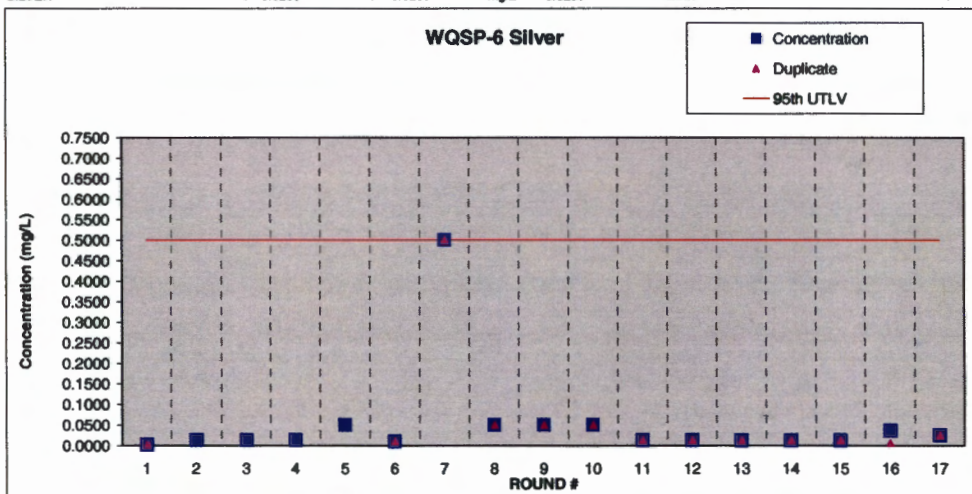
WQSP-6 Selenium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-49-2	SELENIUM	< 0.0040	< 0.0040	mg/L	0.0040	0.1000		< 0.0020	1	11/08/95	10/18/95
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		2	10/15/96	10/10/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		3	07/27/96	06/27/96
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.1000	< 0.0050		4	04/11/97	04/03/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.1000	< 0.0050		5	07/11/97	06/25/97
7782-49-2	SELENIUM	< 0.0200	< 0.0200	mg/L	0.0010	0.1000		0.0010	6	09/05/98	08/03/98
7782-49-2	SELENIUM	< 0.1000	0.1000	mg/L	0.0100	0.1000		< 0.1000	7	11/27/98	10/21/98
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	8	05/29/99	05/19/99
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	9	11/25/99	11/03/99
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0100	10	09/20/00	05/10/00
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.1000		< 0.0130	11	12/12/00	11/15/00
7782-49-2	SELENIUM	0.0188	0.0188	mg/L	0.0130	0.1000			12	07/08/01	05/18/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0130	0.1000		0.0010	13	11/14/01	11/07/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	14	05/19/02	05/15/02
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	15	11/18/02	11/13/02
7782-49-2	SELENIUM	< 0.0325	0.1690	mg/L	0.0325	0.1000		< 0.0500	16	05/15/03	05/07/03
7782-49-2	SELENIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0500	17	11/18/03	11/12/03



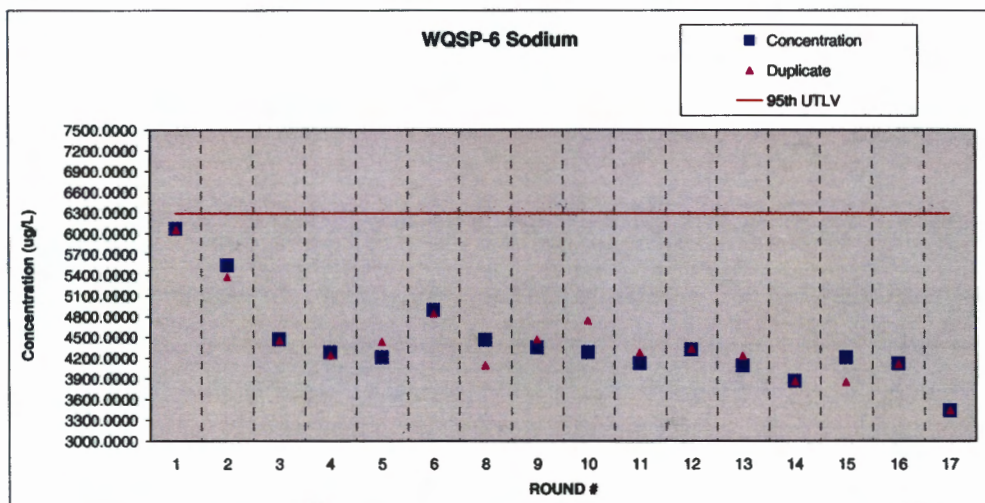
WQSP-6 Silver

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	< 0.0025	0.0032	mg/L	0.0025	0.5000		< 0.0025	1	11/14/95	10/19/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	10/15/96	10/10/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/27/96	08/27/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	04/11/97	04/03/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	07/11/97	08/25/97
7440-22-4	SILVER	< 0.0100	< 0.0100	mg/L	0.0010	0.5000		0.0010	6	08/05/98	08/03/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.0500	0.5000		< 0.5000	7	11/27/98	10/21/98
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	8	08/11/99	05/19/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	11/25/99	11/03/99
7440-22-4	SILVER	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0100	10	08/20/00	05/10/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000		< 0.0130	11	12/11/00	11/15/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000			12	07/08/01	05/18/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0130	0.5000		0.0000	13	11/14/01	11/07/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	14	05/19/02	05/15/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	15	11/18/02	11/13/02
7440-22-4	SILVER	0.0370	< 0.0060	mg/L	0.0060	0.5000		< 0.0500	16	05/15/03	05/07/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0125	17	11/16/2003	11/12/03

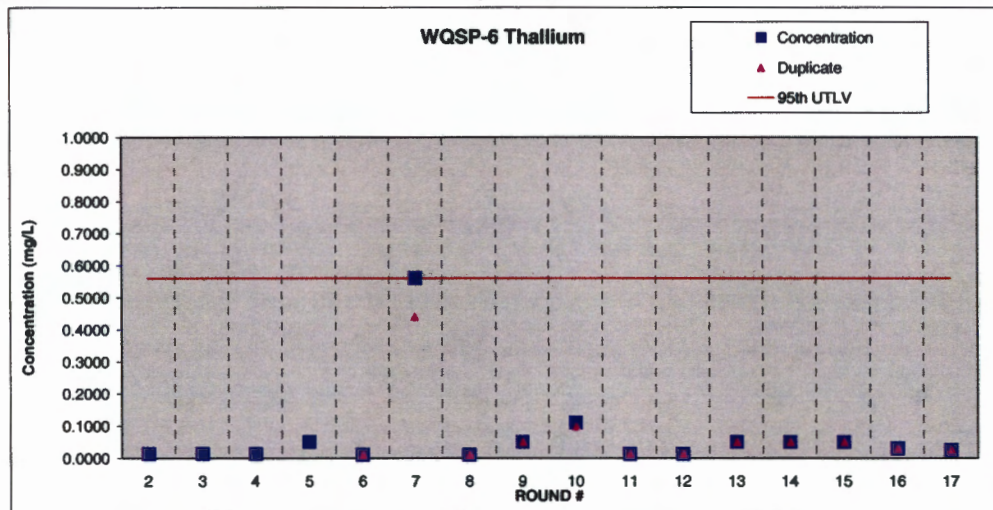


WQSP-6 Sodium

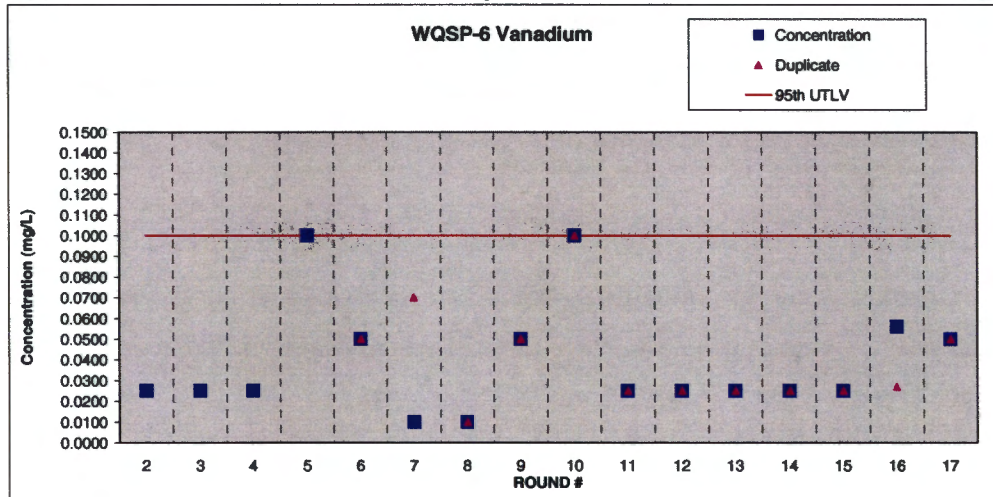
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	6070.0000	6050.0000	mg/L	5.0000	6290.0000	< 0.5000	< 0.5000	1	10/25/95	10/16/95
7440-23-5	SODIUM	5540.0000	5370.0000	mg/L	13.0000	6290.0000	< 0.5000	< 0.5000	2	03/27/96	03/12/96
7440-23-5	SODIUM	4470.0000	4450.0000	mg/L	5.0000	6290.0000	< 0.5000	< 0.5000	3	07/29/96	06/27/96
7440-23-5	SODIUM	4280.0000	4230.0000	mg/L	5.0000	6290.0000	< 0.5000	< 0.5000	4	04/11/97	04/03/97
7440-23-5	SODIUM	4210.0000	4430.0000	mg/L	2.0000	6290.0000	< 0.5000	< 0.5000	5	07/10/97	08/25/97
7440-23-5	SODIUM	4890.0000	4834.7430	mg/L	0.0330	6290.0000		0.0330	6	08/05/98	06/03/98
7440-23-5	SODIUM	4480.0000	4090.0000	mg/L	1.0000	6290.0000		< 1.0000	8	06/11/99	05/19/99
7440-23-5	SODIUM	4350.0000	4470.0000	mg/L	1.0000	6290.0000		< 1.0000	9	12/09/99	11/03/99
7440-23-5	SODIUM	4280.0000	4740.0000	mg/L	0.5000	6290.0000		< 0.5000	10	08/20/00	05/10/00
7440-22-5	SODIUM	4120.0000	4280.0000	mg/L	5.0000	6290.0000		0.0480	11	11/24/00	11/15/00
7440-22-5	SODIUM	4320.0000	4330.0000	mg/L	0.5000	6290.0000			12	08/15/01	05/18/01
7440-22-5	SODIUM	4090.0000	4230.0000	mg/L	0.2000	6290.0000			13	11/20/01	11/07/01
7440-22-5	SODIUM	3870.0000	3880.0000	mg/L	0.5000	6290.0000			14	05/31/02	05/15/02
7440-22-5	SODIUM	4210.0000	3850.0000	mg/L	0.5000	6290.0000			15	11/25/02	11/13/02
7440-22-5	SODIUM	4120.0000	4110.0000	mg/L	0.5000	6290.0000			16	05/19/03	05/07/03
7440-22-5	SODIUM	3440.0000	3440.0000	mg/L	0.5000	6290.0000			17	11/17/03	11/12/03



WQSP-6 Thallium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.5800	< 0.0050		2	10/15/96	10/10/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.5800	< 0.0050		3	07/27/96	06/27/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.5800	< 0.0050		4	04/11/97	04/03/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.5800	< 0.0050		5	07/11/97	06/25/97
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0010	0.5800		< 0.0010	6	06/05/98	06/03/98
7440-28-0	THALLIUM	0.5800	0.4400	mg/L	0.0050	0.5800		< 0.1000	7	11/27/98	10/21/98
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5800		< 0.0100	8	05/29/99	05/19/99
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5800		< 0.0500	9	11/25/99	11/03/99
7440-28-0	THALLIUM	0.1100	0.0670	mg/L	0.1000	0.5800		0.0220	10	08/20/00	05/10/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.5800		< 0.0130	11	01/04/01	11/15/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.5800			12	07/09/01	05/16/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0130	0.5800		0.0370	13	11/14/01	11/07/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5800		< 0.0500	14	05/19/02	05/15/02
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5800		< 0.0500	15	11/18/02	11/13/02
7440-28-0	THALLIUM	< 0.0300	< 0.0300	mg/L	0.0300	0.5800		< 0.0500	16	05/15/03	05/07/03
7440-28-0	THALLIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5800		< 0.0500	17	11/16/03	11/12/03



WQSP-6 Vanadium													
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED		
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		2	10/15/96	10/10/96		
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000			3	07/27/96	06/27/96		
7440-82-2	VANADIUM	< 0.0250		mg/L	0.0250	0.1000	< 0.0100		4	04/11/97	04/03/97		
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	0.1000	< 0.0100		5	07/11/97	08/25/97		
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0050	0.1000		0.0050	6	06/05/98	06/03/98		
7440-82-2	VANADIUM	< 0.0100	0.0700	mg/L	0.1000	0.1000		< 0.0100	7	11/27/98	10/21/98		
7440-82-2	VANADIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.1000		< 0.0100	8	05/29/99	05/19/99		
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0500	9	11/25/99	11/03/99		
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.0200	10	06/20/00	05/10/00		
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	11	12/12/00	11/15/00		
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000			12	07/08/01	05/16/01		
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		0.0030	13	11/14/01	11/07/01		
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	14	05/19/02	05/15/02		
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.1000		< 0.0250	15	11/18/02	11/13/02		
7440-82-2	VANADIUM	0.0580	0.0270	mg/L	0.0250	0.1000		< 0.0250	16	05/15/03	05/07/03		
7440-82-2	VANADIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000		< 0.0250	17	11/18/03	11/12/03		

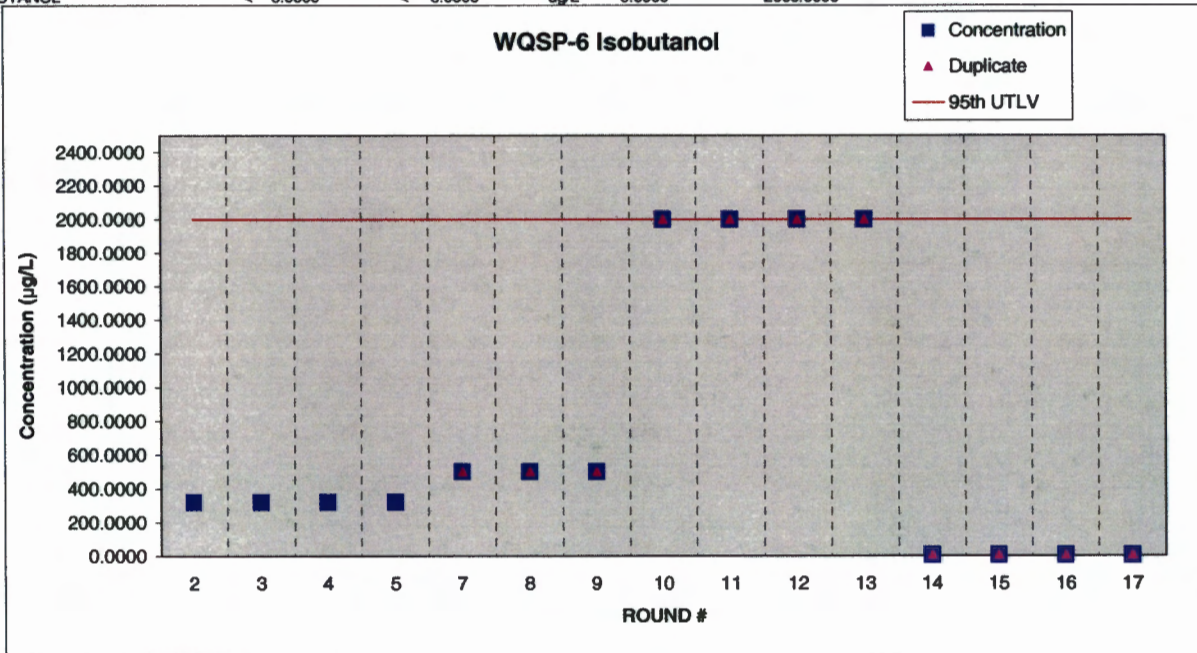


WELL WQSP-6

**ORGANIC CHEMISTRY
(VOCs, SVOCS, ISOBUTANOL)**

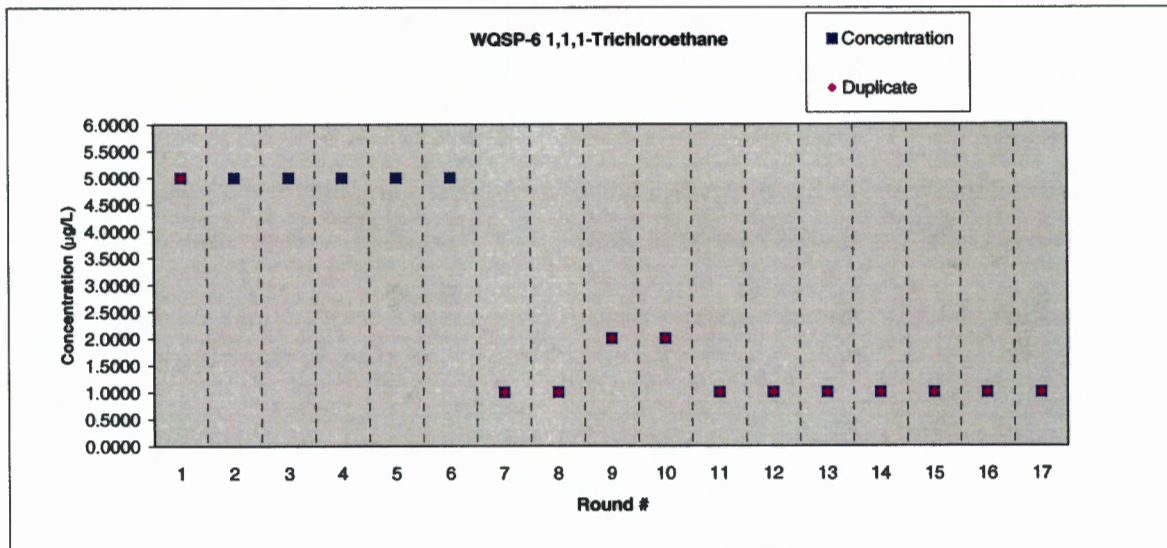
WQSP-6 Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	2000.0000	< 320.0000		2	10/16/96	10/10/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	2000.0000	< 320.0000	< 320.0000	3	07/11/96	06/27/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	2000.0000	< 320.0000		4	04/08/97	04/03/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000	2000.0000	< 320.0000		5	06/30/97	06/25/97
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000	2000.0000			7	11/02/98	10/21/98
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000	2000.0000			8	05/25/99	05/19/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000	2000.0000			9	11/16/99	11/03/99
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000	2000.0000		< 2000.0000	10		
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000	2000.0000		< 2000.0000	11	11/29/00	11/15/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000	2000.0000			12	05/22/01	05/16/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000	2000.0000			13	11/21/01	11/07/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000	2000.0000			14	05/22/02	05/15/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000	2000.0000			15	11/17/02	11/13/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000	2000.0000			16	05/11/03	05/07/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000	2000.0000			17	11/18/03	11/12/03



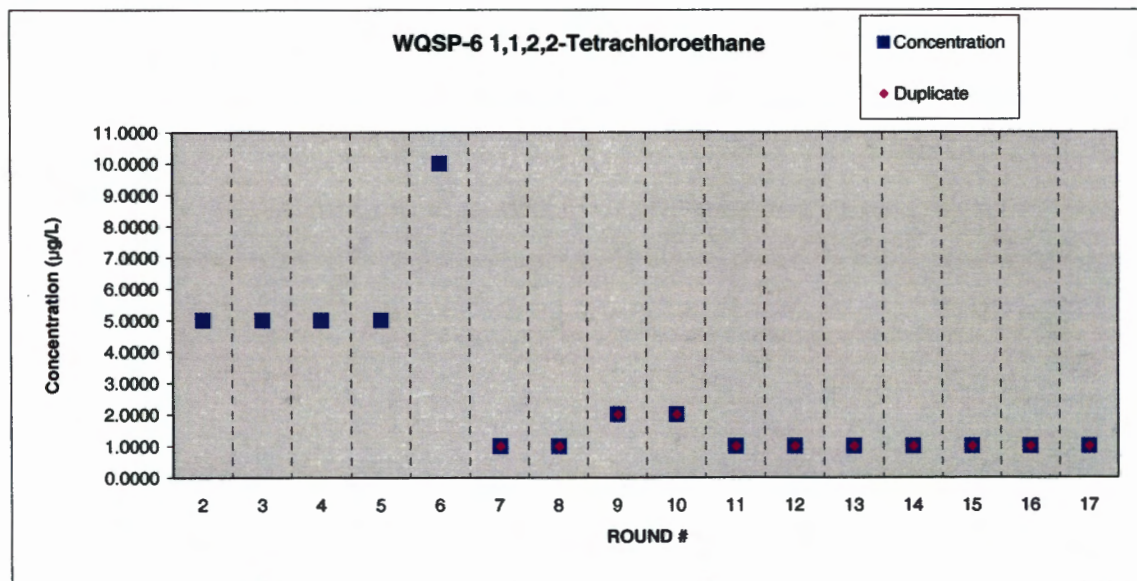
WQSP-6 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/30/95	10/16/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	0.0000	2	10/14/96	10/10/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



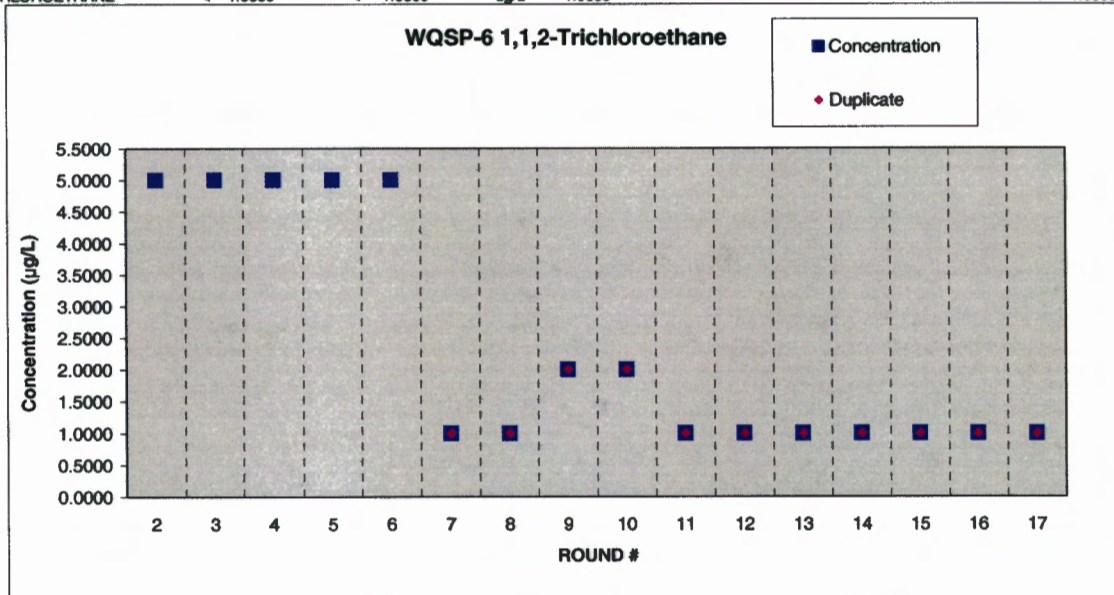
WQSP-6 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		5.0000		5	07/08/97	06/25/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/08/98	06/03/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



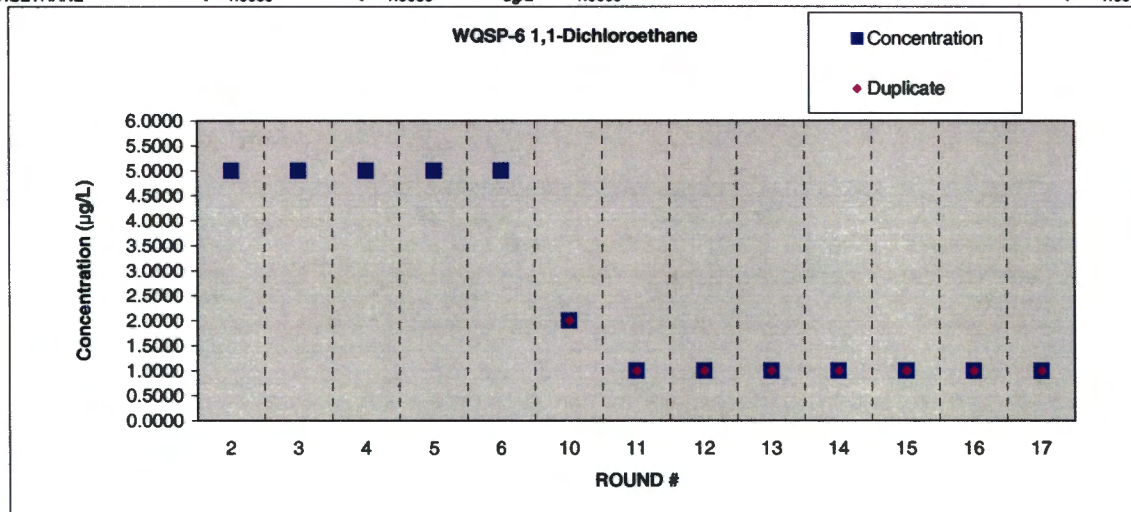
WQSP-6 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		5.0000		5	07/08/97	06/25/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



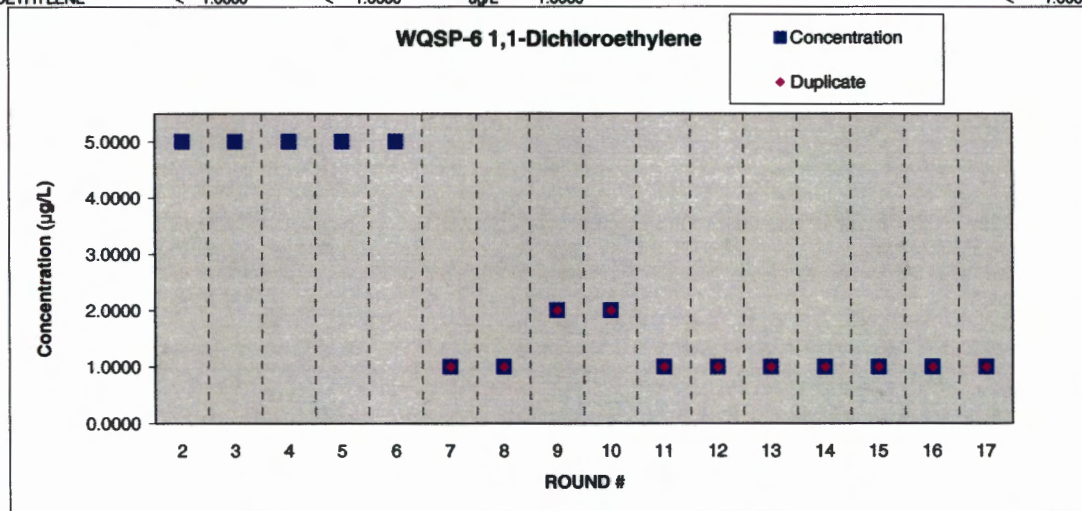
WQSP-6 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000		5.0000		5	07/08/97	06/25/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



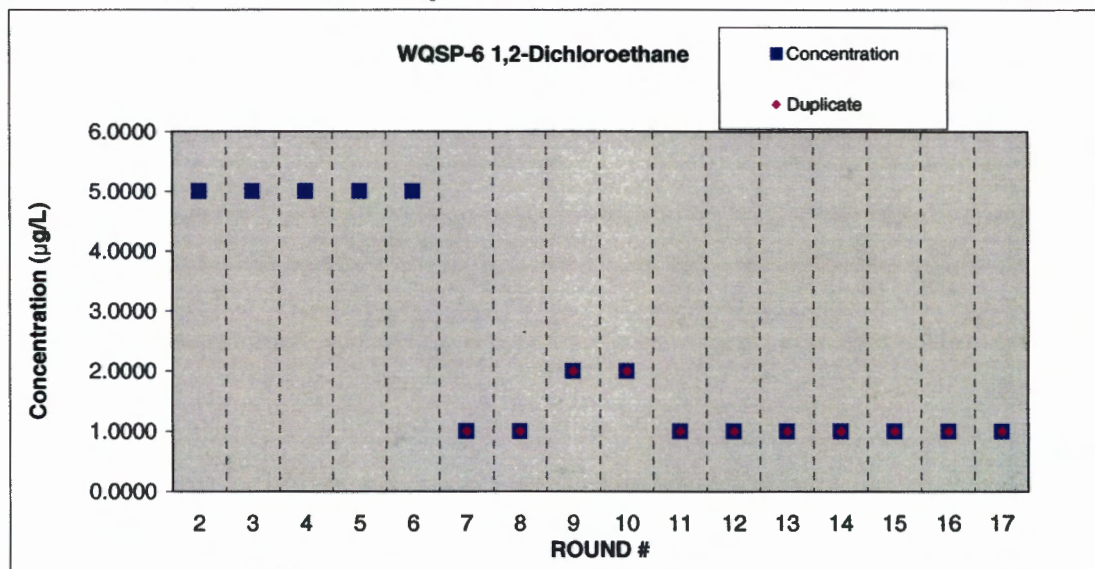
WQSP-6 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



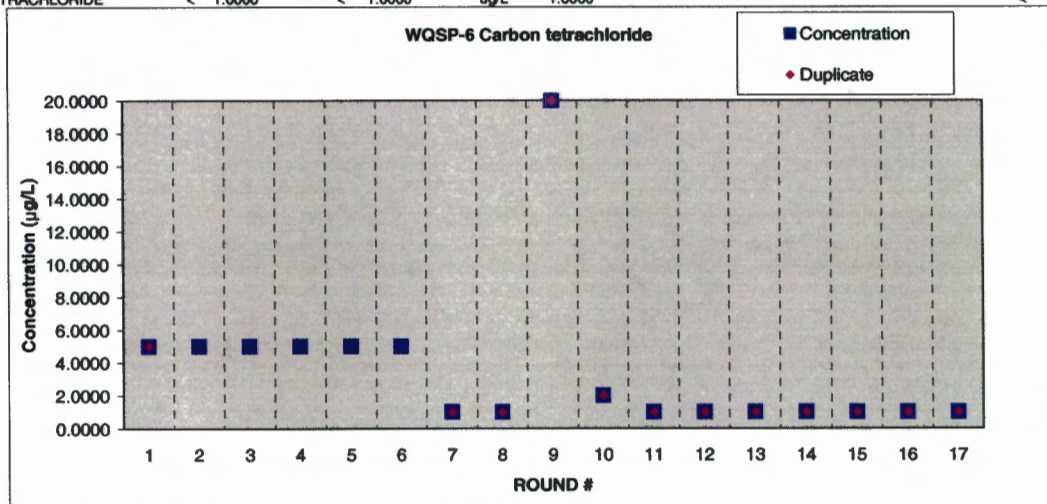
WQSP-6 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



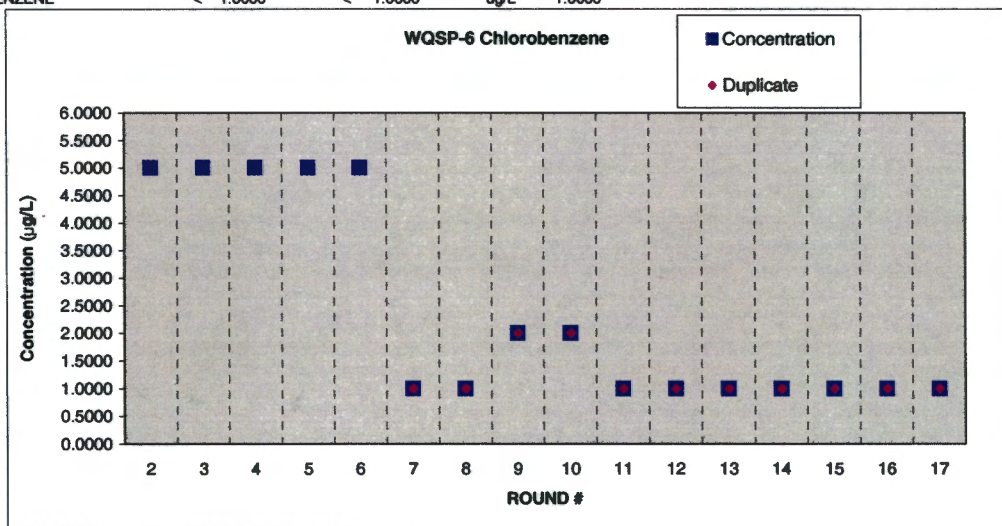
WQSP-6 Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/30/95	10/16/95
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		5.0000		5	07/08/97	06/25/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
56-23-5	CARBON TETRACHLORIDE	< 20.0000	< 20.0000	ug/L	20.0000			< 20.0000	9	11/07/99	11/03/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/18/01
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	04/15/02
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
56-232-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



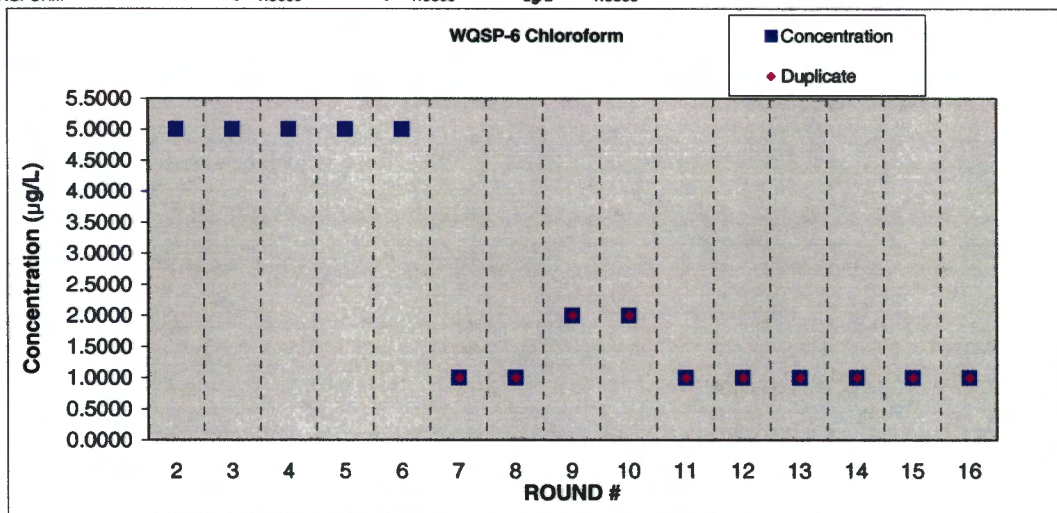
WQSP-6 Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
108-90-7	CHLORO BENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
108-90-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
108-90-7	CHLORO BENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
108-90-7	CHLORO BENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
108-980-7	CHLORO BENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



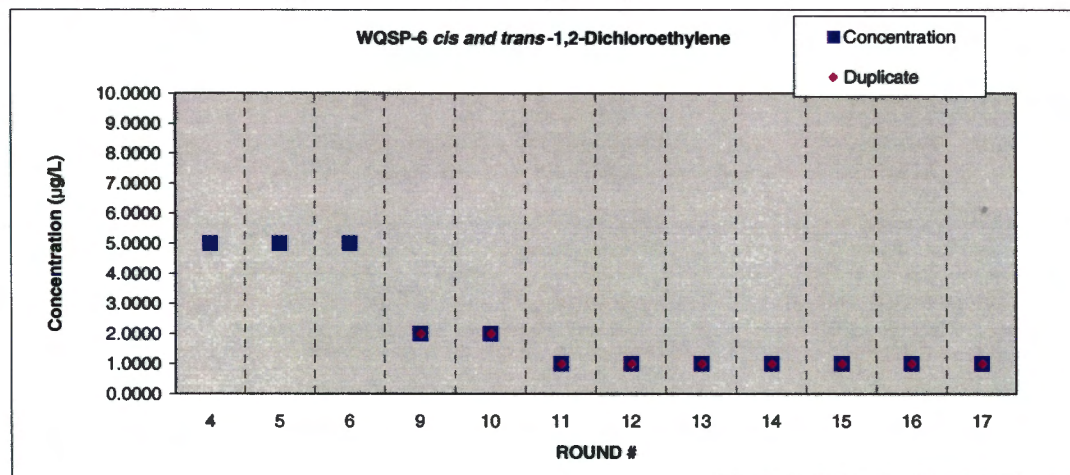
WQSP-6 Chloroform

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



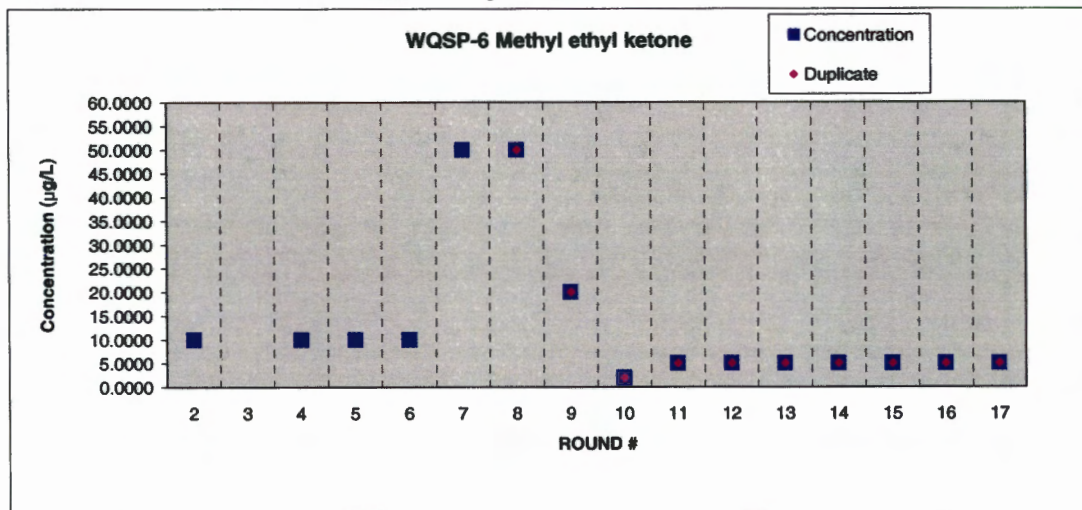
WQSP-6 cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



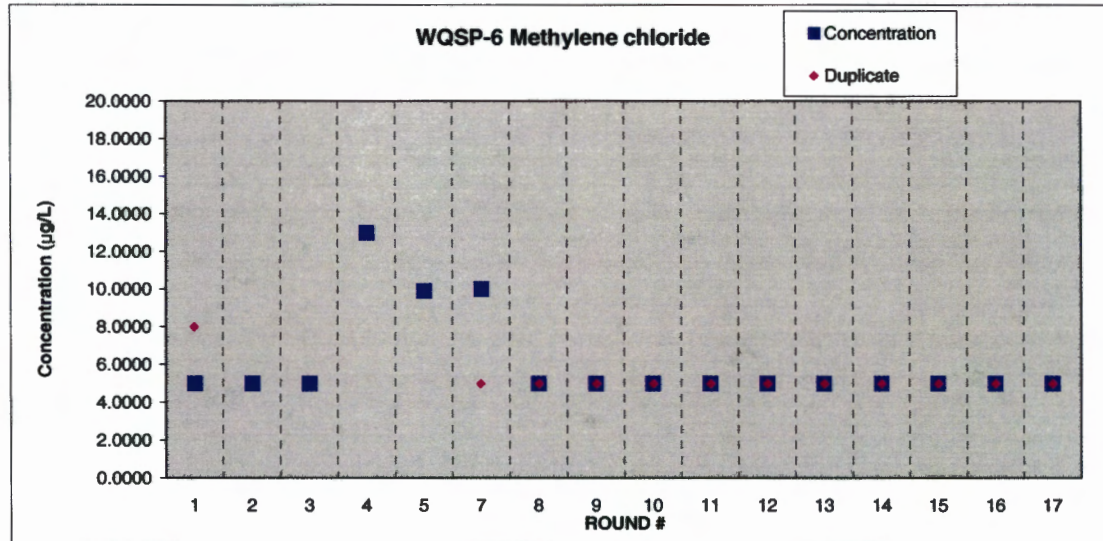
WQSP-6 Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/14/96	10/10/96
78-93-3	METHYL ETHYL KETONE	140.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/03/96	06/27/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/03/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/08/97	06/25/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/08/98	06/03/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	10/27/98	10/21/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	05/20/99	05/19/99
78-93-3	METHYL ETHYL KETONE	< 20.0000	< 20.0000	ug/L	20.0000			< 20.0000	9	11/07/99	11/03/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	11/22/00	11/15/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	05/21/01	05/16/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/10/01	11/07/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/22/02	05/15/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	11/17/02	11/13/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	05/11/03	05/07/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	11/18/03	11/12/03



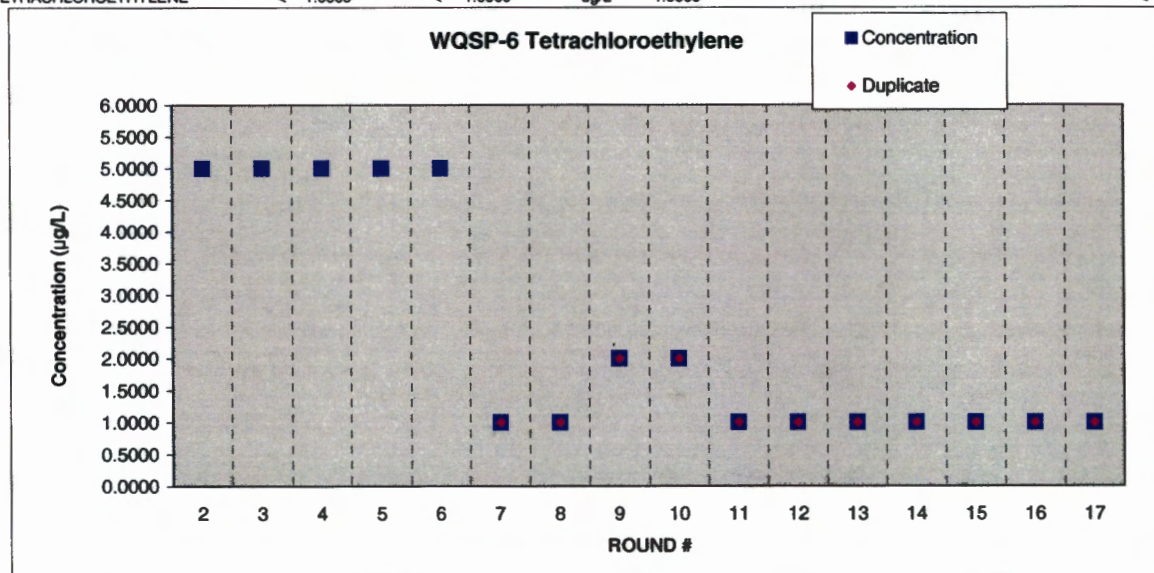
WQSP-6 Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	< 5.0000	8.0000	ug/L	5.0000			< 5.0000	1	10/30/95	10/16/95
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
75-09-2	METHYLENE CHLORIDE	13.0000		ug/L	5.0000		< 13.0000		4	04/14/97	04/03/97
75-09-2	METHYLENE CHLORIDE	9.9000		ug/L	5.0000		< 11.0000		5	07/08/97	06/25/97
75-09-2	METHYLENE CHLORIDE	< 10.0000	5.0000	ug/L	5.0000			< 5.0000	7	10/27/98	10/21/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	05/20/99	05/19/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/07/99	11/03/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	11/22/00	11/15/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	05/21/01	05/16/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/10/01	11/07/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/22/02	05/15/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	11/17/02	01/13/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	05/11/03	05/07/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	11/18/03	11/12/03



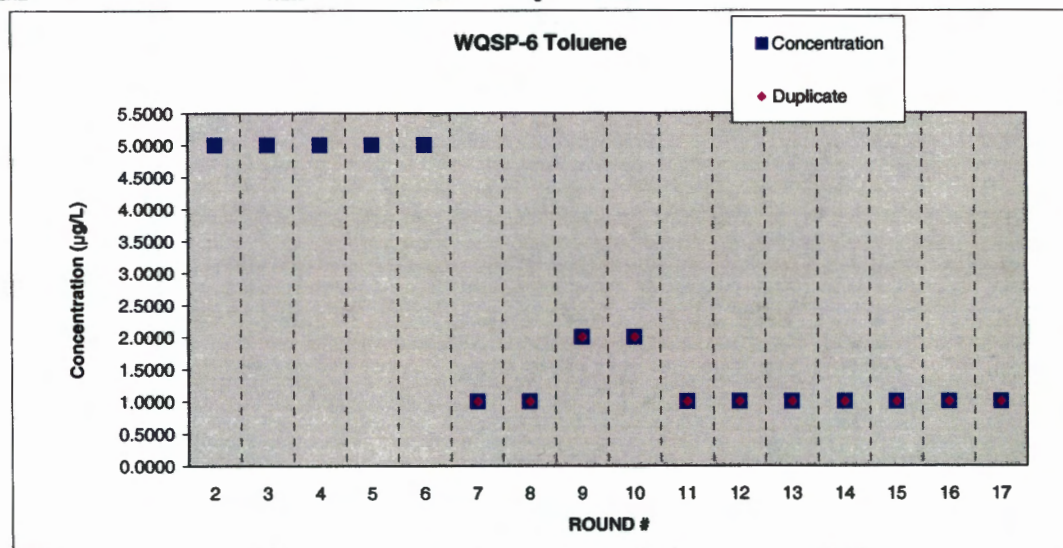
WQSP-6 Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		5.0000		2	10/14/96	10/10/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



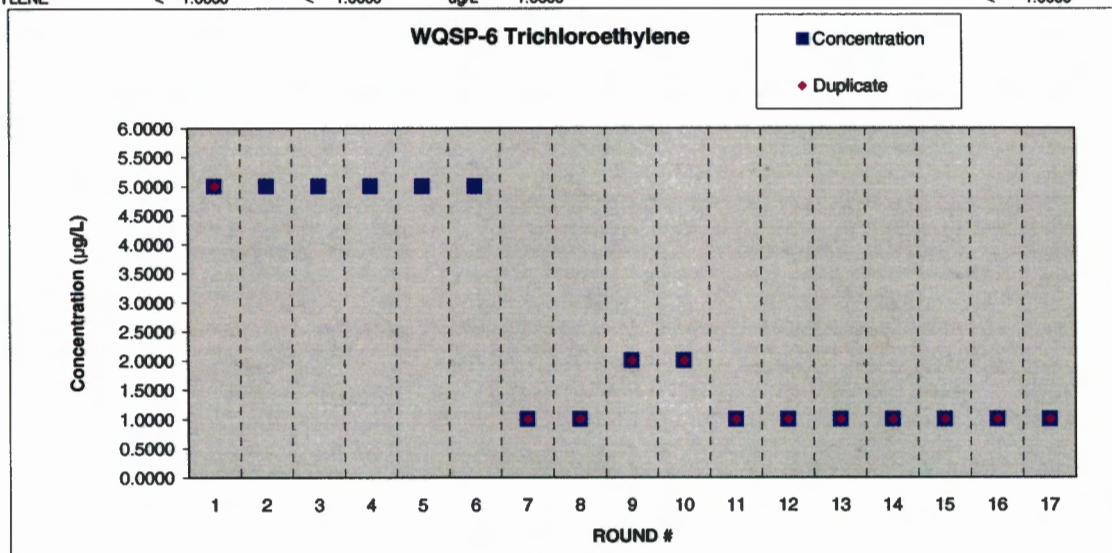
WQSP-6 Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		5.0000		2	10/14/96	10/10/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		5.0000	< 5.0000	3	07/03/96	06/27/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		5.0000		4	04/14/97	04/03/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		5.0000		5	07/08/97	06/25/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000				12	05/21/01	05/16/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



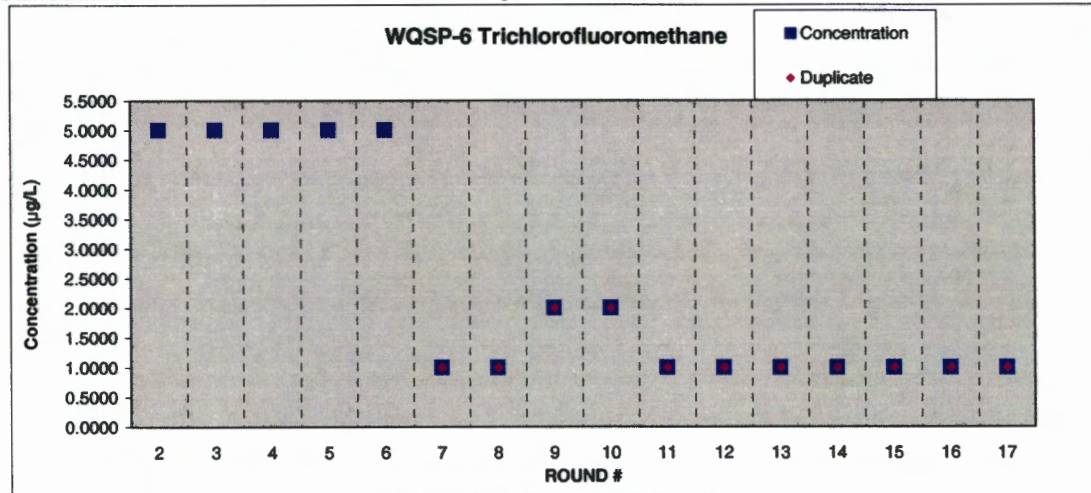
WQSP-6 Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHYLENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	10/30/95	10/16/95
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



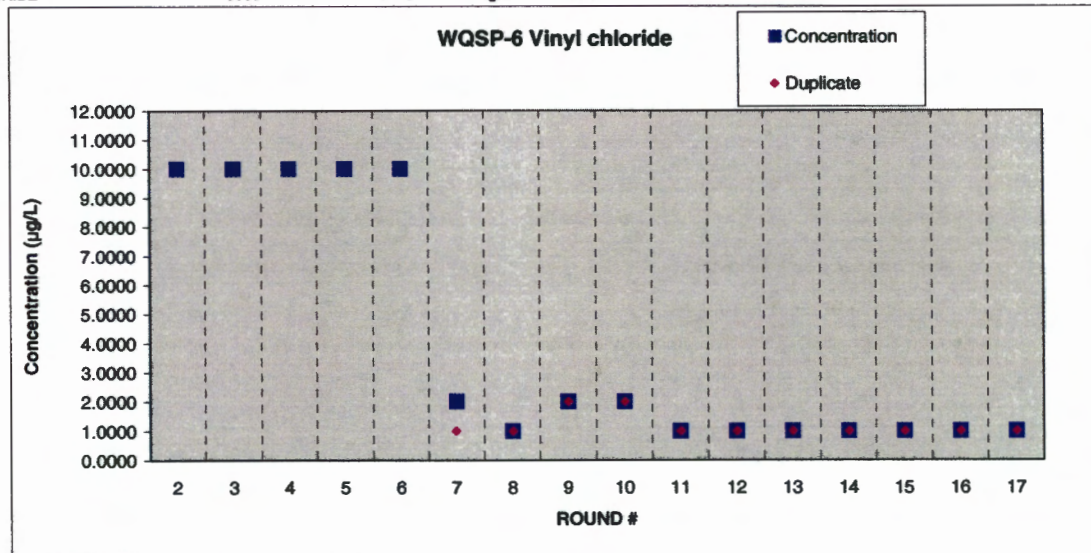
WQSP-6 Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		2	10/14/96	10/10/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/03/96	06/27/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/03/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/08/97	06/25/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



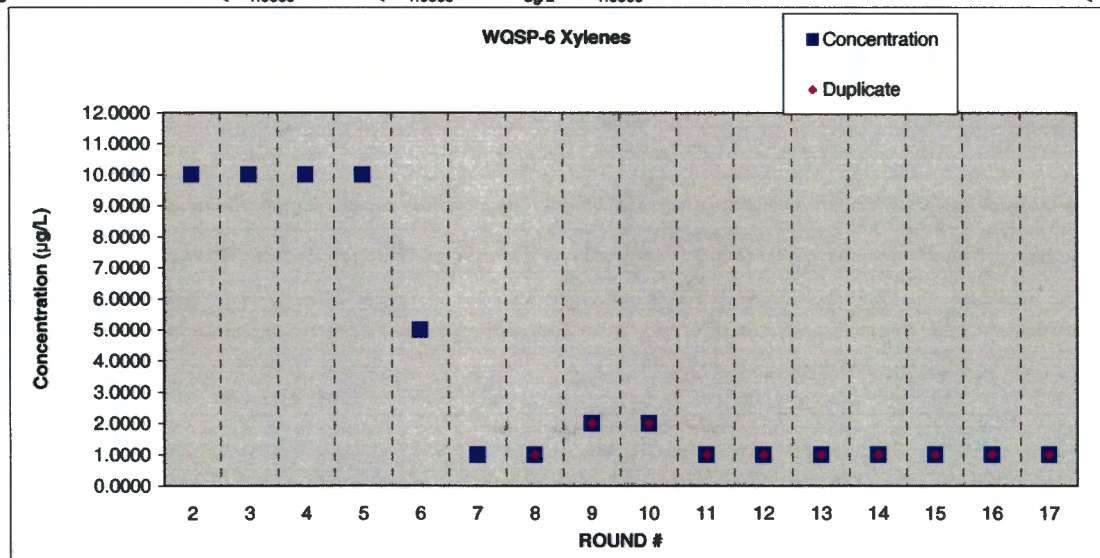
WQSP-6 Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/14/96	10/10/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/03/96	06/27/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/03/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/08/97	06/25/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/08/98	06/03/98
75-01-4	VINYL CHLORIDE	< 2.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



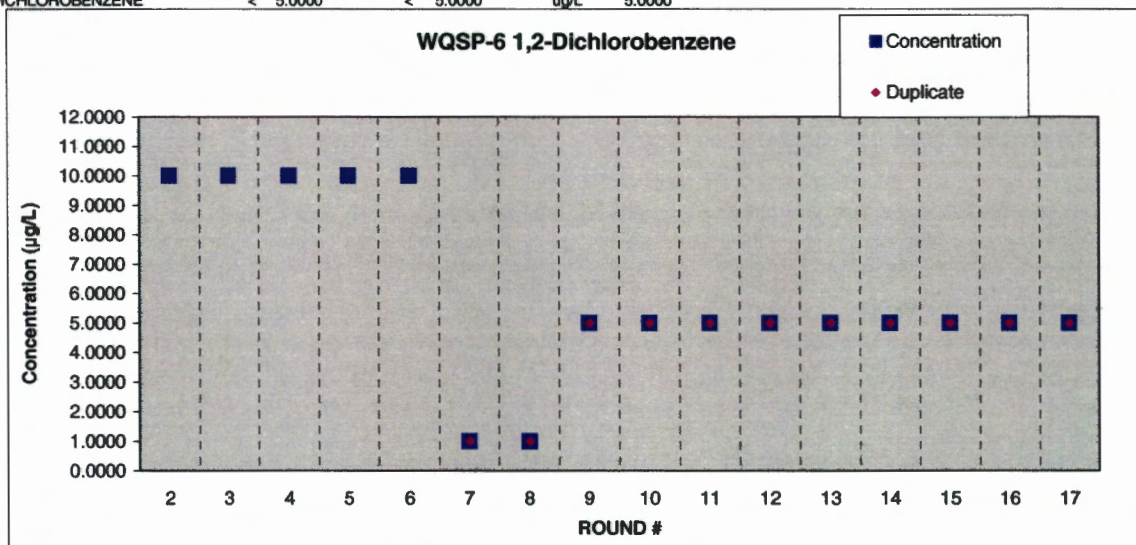
WQSP-6 Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		2	10/14/96	10/10/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/03/96	06/27/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/03/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	07/08/97	06/25/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	06/08/98	06/03/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	10/27/98	10/21/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/07/99	11/03/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/11/00	05/10/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	11/22/00	11/15/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	05/21/01	05/16/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/10/01	11/07/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/22/02	05/15/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	11/17/02	11/13/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	05/11/03	05/07/03
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/18/03	11/12/03



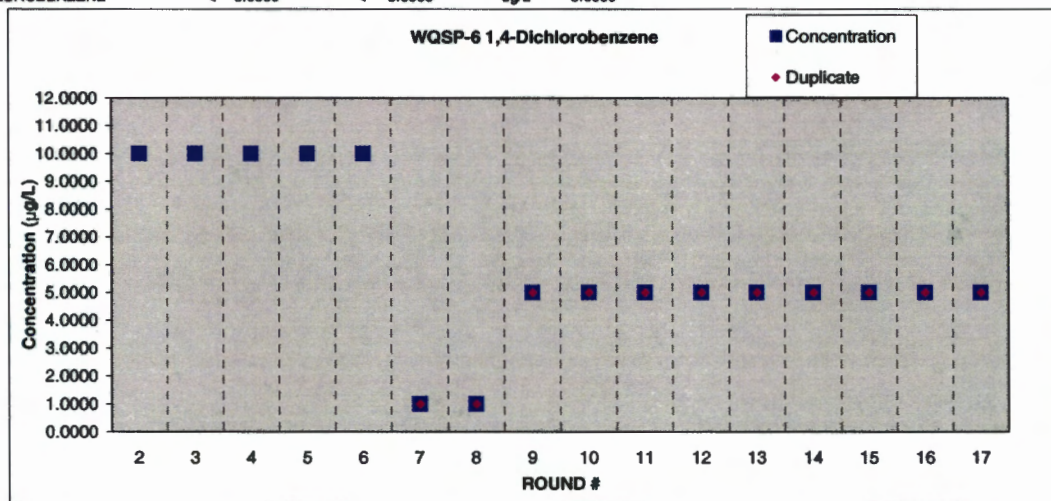
WQSP-6 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		10.0000		5	07/25/97	06/25/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/08/98	06/03/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	10/28/98	10/21/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	8	05/21/99	05/19/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	9	11/08/99	11/03/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	10	05/11/00	05/10/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



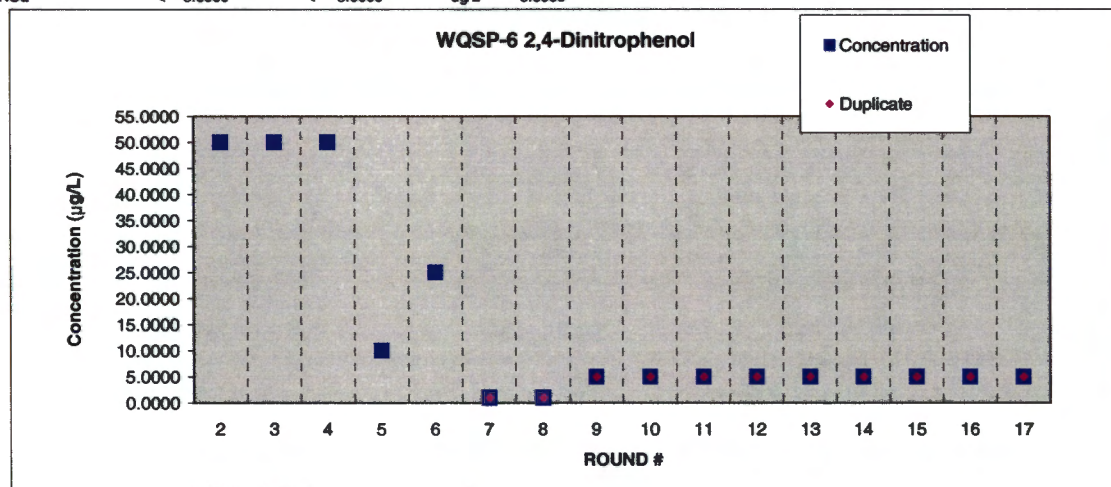
WQSP-6 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		10.0000		5	07/25/97	06/25/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/08/98	06/03/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/20/99	05/19/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



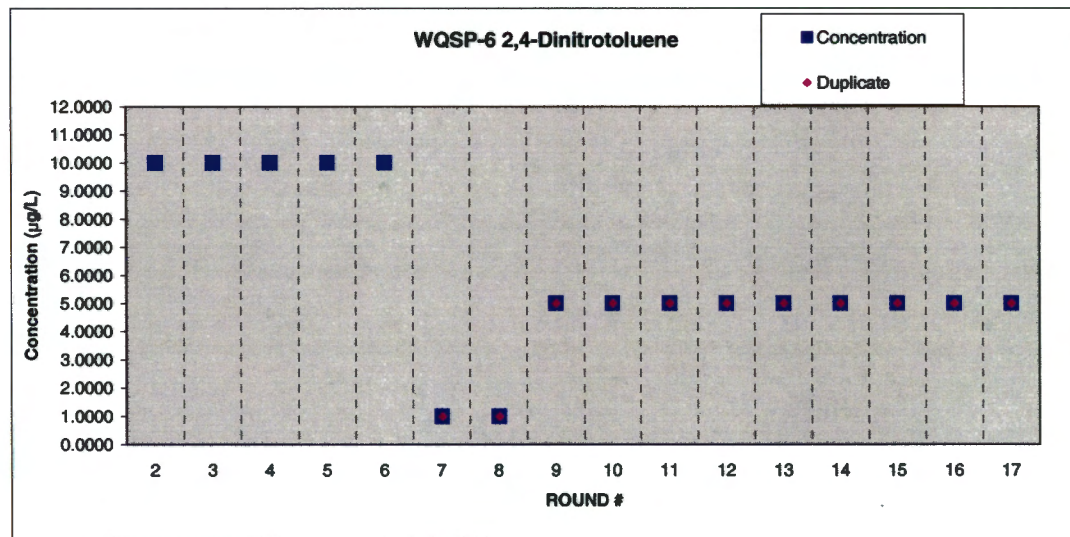
WQSP-6 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000	< 50.0000			2	10/25/96	10/10/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000	< 50.0000			3	07/10/96	06/27/96
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000	< 50.0000			4	04/22/97	04/03/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000	10.0000			5	07/25/97	06/25/97
51-28-5	2,4-DINITROPHENOL	< 25.0000		ug/L	25.0000		< 25.0000		6	06/10/98	06/03/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	25.0000		< 25.0000		7	10/28/98	10/21/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/21/99	05/19/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/08/99	11/03/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/11/00	05/10/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/18/01	11/07/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



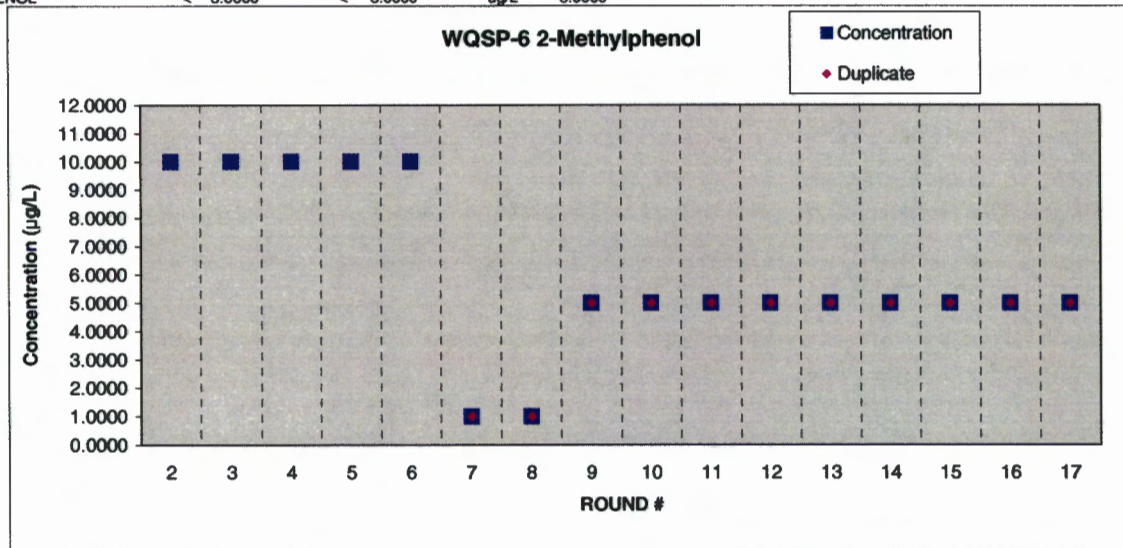
WQSP-6 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		10.0000		5	07/25/97	06/25/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



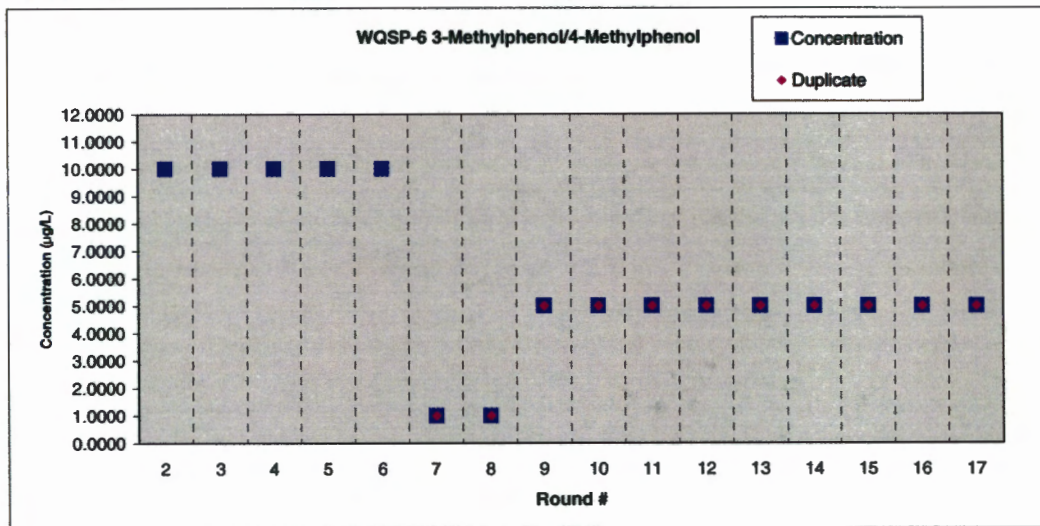
WQSP-6 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		10.0000		5	07/25/97	06/25/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	10/28/98	10/21/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/21/99	05/19/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/08/99	11/03/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/11/00	05/10/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



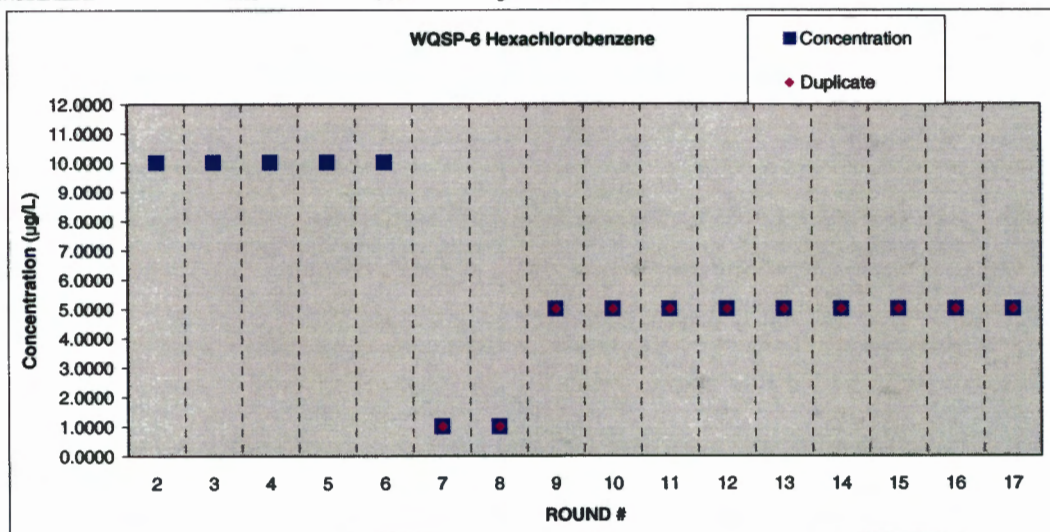
WQSP-6 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	07/25/97	06/25/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/18/01	11/07/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



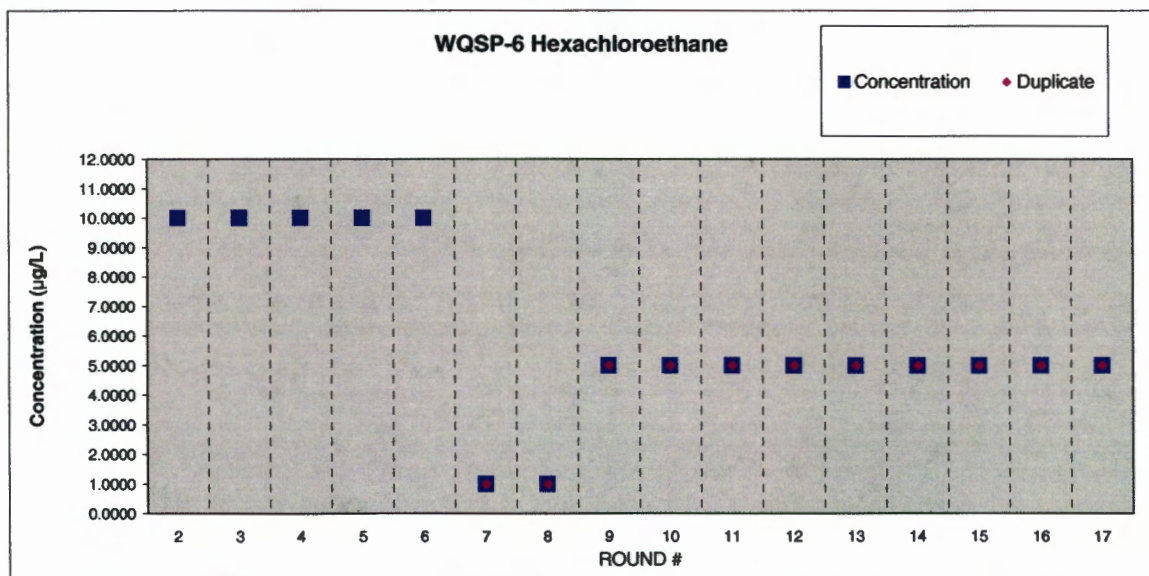
WQSP-6 Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/25/97	06/25/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



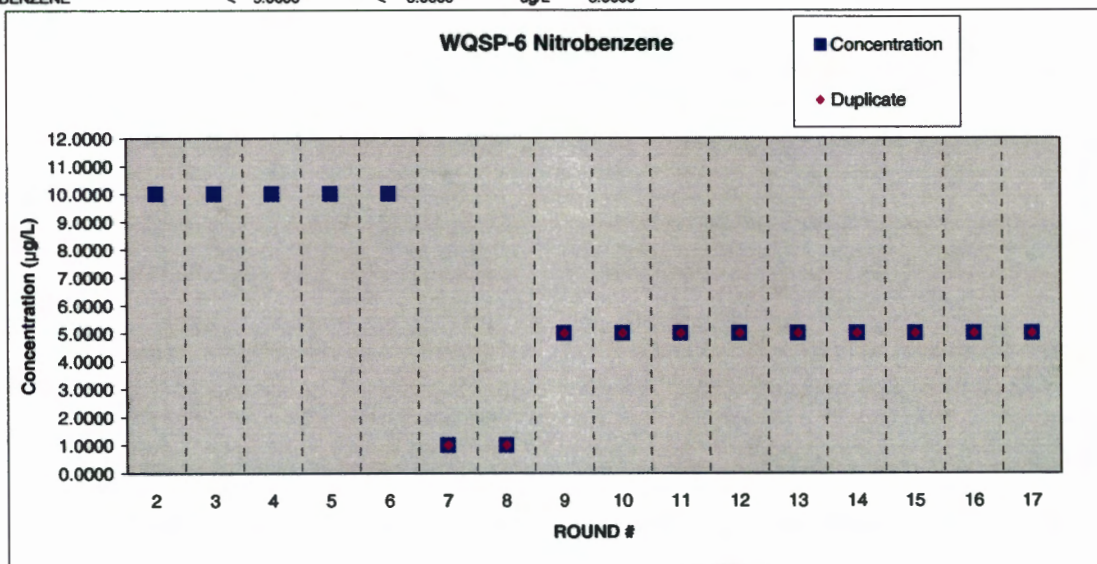
WQSP-6 Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/25/97	06/25/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



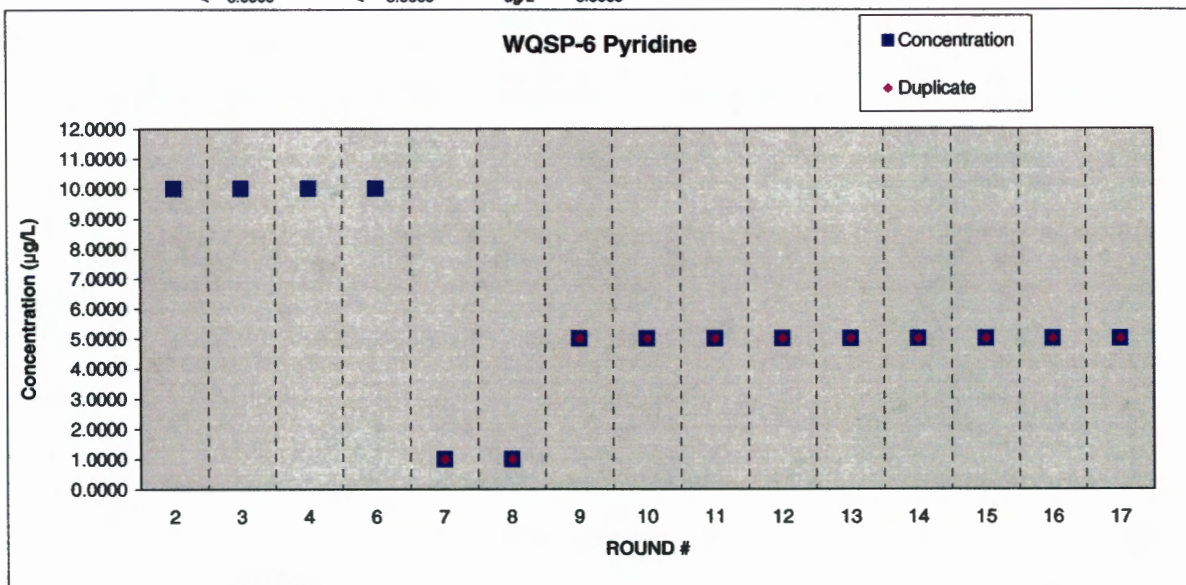
WQSP-6 Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/25/97	06/25/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/28/98	10/21/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				11	11/27/00	11/15/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	55/16/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



WQSP-6 Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	10/26/98	10/21/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/21/99	05/19/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/08/99	11/03/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/11/00	05/10/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	11/27/00	11/15/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				12	05/21/01	05/16/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/16/01	11/07/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/22/02	05/15/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/02/02	11/13/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	05/16/03	05/07/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	11/21/03	11/12/03



APPENDIX 7

ANALYTICAL RESULTS WELL WQSP-6A

SUMMARY FOR WQSP-6A, DEWEY LAKE, ROUND-17

WELL CHARACTERISTICS

WQSP-6A is located 1653 FSL and 1395 FWL in Section 29, T22S, R31E in Eddy County, New Mexico. This location is approximately 1 mile southwest of the center of the WIPP Site. The surface elevation at WQSP-6A is 3361.24 feet above mean sea level (AMSL). The top of casing (TOC) elevation at WQSP-6A is 3363.78 feet AMSL. The well was drilled as an observation and surveillance well to monitor groundwater quality and water level elevation in the Dewey Lake Formation on the WIPP Site. WQSP-6A was drilled from October 28 to November 1, 1994 to a total depth of 225 feet below ground surface (BGS). Schedule 40, 10.75 inch surface casing was set to a depth of 25 feet. Fiberglass casing (5" O.D.) was set to a total depth of 190 feet (BGS) and the well was screened with 0.020 fiberglass slotted screen to a depth of 215 feet (BGS). A ten foot blank casing was installed below the screened interval from 215 to 225 feet BGS to act as a sediment sump to prevent clogging of the lower screen slots. The actual interval of the Dewey Lake at WQSP-6A is 35 to 220 feet BGS based on interpretation of the core logs. Centralizers were placed at the top and bottom of the screen and at 60-foot intervals to the surface to keep the casing in the center of the borehole. The well was then gravelpacked from T.D. to 175 ft BGS, and fine grain sand pack was then installed from 175 to 172 ft BGS. A bentonite seal was placed above the sand pack to 152-ft BGS and the remainder of the annular space, to the surface, was sealed with Portland cement ASTM Standard C1510-92.

SAMPLING PROCESS

A dedicated purging and sampling system was installed in WQSP-6A and consists of a Grundfos 1-1/2 H.P Redi-Flo 4®, submersible pump and a single phase, 230 volt, AC submersible motor. A separate sampling line was installed just above the pump discharge and a bubbler system was installed five feet above the pump to enable monitoring of the formation pressures in the well bore during sampling. Round-17 pumping at WQSP-6A began on 11/17/03 at 06:45 and ended on 11/19/03 at 08:33. Prior to the start of pumping, static water level was measured at 166.41 feet below the top of casing (BTOC).

The well was purged for 50 hours at an average pumping rate of 0.41 gallons per minute (gpm). Three serial samples were collected. The first sample was collected on 11/17/03 after approximately 27 gallons of water had been pumped, the second on 11/18/03 after 566 gallons had been pumped. The third serial sample and final samples were collected on 11/19/03 after approximately 1,099 gallons, 40 well bore volumes¹, had been pumped from the well. Final samples were collected for Trace Analysis Analytical Lab, placed under Chain of Custody, and driven to

¹ Well bore volumes are calculated by measuring the water level below the top of casing and determining the column length to the center of the formation and dividing the volume of water pumped by the volume of water standing in the well bore.

Lubbock, Texas for analysis. Samples were also collected for holding and for analysis by WIPP labs at a later date. EEG was not on site to collect independent samples. The Final Samples Checklist lists samples, destination, preservatives, sample quantities, container type, sampling times, and sample team members.

ROUND-17 SERIAL SAMPLING RESULTS

Eh measurements for the serial samples were as follows: +368 mv, +442 mv, and +489 mv respectively.

pH measured 7.26, 7.22, and 7.20 respectively.

Temperature measured, 23.1 °C, 23.2 °C, and 23.4 °C respectively.

Specific gravity measured, 1.004 @ 22.4°C, 1.004 @ 23.5°C, and 1.004 @ 24.1 °C respectively.

Conductivity measured 3,750 umhos/cm, 4,000 umhos/cm, and 4,060 umhos/cm at 25 °C respectively.

Alkalinity measured 133.0 mg/l, 131.7 mg/l, and 132.1 mg/l respectively.

Chlorides measured 328 mg/l, 366 mg/l, and 398 mg/l respectively.

Divalent Cations measured 43.0 meq/l, 43.5 meq/l, and 43.2 meq/l respectively.

Total Iron measured 0.40 mg/l, 0.01 mg/l, and 0.01 mg/l.

AVERAGE OF FINAL DAY RESULTS FOR BACKGROUND

Alkalinity	129.3 mg/L
Chlorides	674 mg/L
Di-Cats	45.0 meq/L
Total Iron	0.00 mg/L

AVERAGE OF FINAL DAY RESULTS FOR ROUND-17

Alkalinity	132.1 mg/L
Chlorides	398 mg/L
Di-Cats	43.2 meq/L
Total Iron	0.01 mg/L

The values seen for Eh, conductivity, chloride and iron were not within plus or minus 5% of background data. The decision was made to final sample because the data were within the range of values seen in past sampling rounds and 40 well bore volumes of water had been purged from the well.

WQSP-6A
Round 17

ANALYTICAL REPORT

TO: MARK EDWARDS
SAMPLING PROGRAM: WIPP/DMP
SDG: 3111926
DATE: JANUARY 8, 2004
R/A CONTROL: 6474/6475

PREPARED BY:

TRACEANALYSIS, INC.
6701 ABERDEEN AVENUE, SUITE A
LUBBOCK, TX 79424
(806)-794-1296

ANALYTICAL REPORT INDEX

This report shall not be reproduced except in its entirety, without the written approval of the laboratory. These results represent only the samples received in the laboratory.

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SECTION III

Volatile Organic Analysis Data Section

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SECTION V

Receiving Documentation

ANALYTICAL REPORT INDEX

This report contains the result for twenty miscellaneous samples received on November 19, 2003, under SDG 3111926.

The determinations of Total Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Iron, Lead, Magnesium, Nickel, Potassium, Selenium, Silver, Thallium, and Vanadium were done by inductively coupled plasma-atomic emission spectrometry (ICP-AES) according to the TraceAnalysis Laboratory Standard Operating Procedure SOP-6010B. Mercury was analyzed according to SOP-7470A using an automated cold-vapor atomic absorption spectrometer.

The determination of Volatile and Isobutyl Alcohol were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8260B.

The determination of Semivolatiles were done by GC/MS according to TraceAnalysis Laboratory Standard Operating Procedure SOP-8270C.

A "U" qualifier indicates the analyte was not detected.

A "B" qualifier indicates the analyte is above detection but below reporting limits.

TOC was ran by method 415.1.

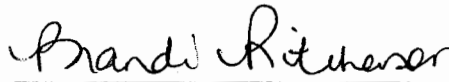
TOX was ran by ATEL by method 9020B.

Chloride, Nitrate, and Sulfate ran by IC by method EPA 300.0.

Alkalinity, Density, pH, Conductivity, TDS, and TSS
ran by EPA 310.1, ASTM D854-92, 150.1, SM2510B, 160.1
and 160.2.

RELEASE OF THE DATA CONTAINED IN THIS PACKAGE HAS BEEN AUTHORIZED
BY THE LABORATORY MANAGER OR THE MANAGER'S DESIGNEE.

 11/8/04
LABORATORY MANAGER: DATE

 11/8/04
PREPARED BY: DATE

SAMPLE CROSS REFERENCE

TRACEANALYSIS ANALYTICAL LABORATORY

SDG No. : 3052118

<u>CUSTOMER ID</u>	<u>LAB ID</u>
WQ6ADLR17N1	T21795
WQ6ADLR17N1D	T21796
WQ6ADLR17N2	T21797
WQ6ADLR17N2D	T21798
WQ6ADLR17N3	T21799
WQ6ADLR17N3D	T21800
WQ6ADLR17N4	T21801
WQ6ADLR17N4D	T21802
WQ6ADLR17N5	T21803
WQ6ADLR17N5D	T21804
WQ6ADLR17N6	T21805
WQ6ADLR17N6D	T21806
WQ6ADLR17N7	T21807
WQ6ADLR17N7D	T21808
WQ6ADLR17N8	T21809
WQ6ADLR17N8D	T21810
WQ6ADLR17N12	T21811
WQ6ADLR17N12D	T21812
WQ6ADLR17N13	T21813
WQ6ADLR17N13D	T21814

Cation-Anion Balance Sheet

Sample #

WQSP # 6A

Date:

1/8/2004

Cations

	ppm	meq/L
Calcium	616	30.7384
Magnesium	164	13.49556
Sodium	231	10.0485
Potassium	6.16	0.1575728

Total Cations

54.440033 in meq/L

Anions

	ppm	meq/L
Alkalinity	106	2.12
Sulfate	1950	40.599
Chloride	391	11.03011
Nitrate as N	0	0
Fluoride	Not Run	0

Total Anions

53.74911 in meq/L

Percentage Error

1.2772498 %

(needs to be <10%)

OTHER INFORMATION

TDS

3955

EC

4070

Measure EC and Cation Sums

5444.0033

Range should be:

3663

to

4477

Measure EC and Anion Sums

5374.911

Range should be:

3663

to

4477

Calculated TDS/Conductivity

0.9717445

Range should be:

0.55

to

0.77

Measure TDS and Cation Sums

0.7264874

Range should be:

0.55

to

0.77

Measure TDS and Anion Sums

0.7358261

Range should be:

0.55

to

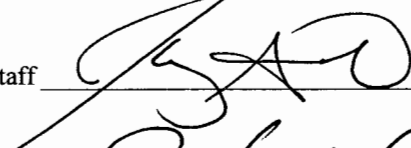
0.77

Signature Page

The data for Round 17 Well # 6A was reviewed and approved by the following chemists.

VOC's:

Johnny Gridstaff



TOC's:

Robert Champlin



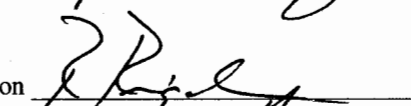
Semi-Volatiles:

Robert Champlin

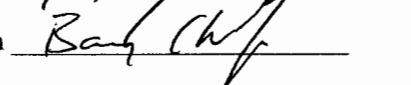


Metals:

Richard Rigdon

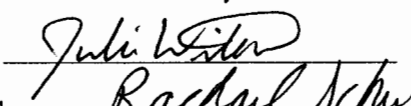


Barry Chaffin

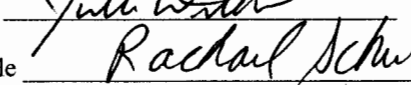


General Chemistry:

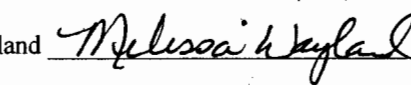
Julie Winters



Rachel Schulle



Melissa Wayland



SECTION I

CLASSICAL ANALYSIS

CLASSICAL ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111926

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100	TOTAL PAGES

TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 11/19/03

WIPP Round No. 17

WIPP Well No. 6A

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ6ADLR17N8	T21809		Alkalinity	106.0		11/20/03	SM 2320 B	4.0
WQ6ADLR17N8	T21809	7782-50-5	Chloride	391		11/19/03	300.0	2.0
WQ6ADLR17N8	T21809		Density	1.00		11/20/03	ASTM D 854-92	N/A
WQ6ADLR17N8	T21809	7727-37-9	Nitrate (as N)	0.01	U	11/19/03	353.3	0.10
WQ6ADLR17N8	T21809		pH	7.30		11/20/03	150.1	4-10
WQ6ADLR17N8	T21809		Conductivity	4070		11/21/03	SM2510B	
WQ6ADLR17N8	T21809		Sulfate	1950		11/20/03	300.0	2
WQ6ADLR17N8	T21809		Total Dissolved Solids (TDS)	3955		11/21/03	160.1	10
WQ6ADLR16N5	T21803		Total Organic Carbon (TOC)	1.00	U	12/3/03	415.1	1.0
WQ6ADLR17N8	T21801		Total Organic Halogen (TOX)	4.00		12/11/03	5320B/9020B	0.005
WQ6ADLR17N8	T21809		Total Suspended Solids (TSS)	1.00	U	11/24/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

**TRACEANALYSIS
FORM 1
CLASSICALS ANALYSIS DATA SHEET**

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): aqueous

Receipt date: 11/19/03

Concentration Units (mg/L or mg/Kg dry weight): mg/L

WIPP Round No. <u>17</u>
WIPP Well No. <u>6A</u>

WIPP Sample No.	Lab Sample No.	CAS No.	Analyte	Conc.	C	Analysis Date	EPA Method No. (unless otherwise noted)	RL
WQ6ADLR17N8D	T21810		Alkalinity	106.0		11/20/03	SM 2320 B	4.0
WQ6ADLR17N8D	T21810	7782-50-5	Chloride	394		11/19/03	300.0	2.0
WQ6ADLR17N8D	T21810		Density	0.997		11/20/03	ASTM D 854-92	N/A
WQ6ADLR17N8D	T21810	7727-37-9	Nitrate (as N)	0.01	U	11/19/03	353.3	0.10
WQ6ADLR17N8D	T21810		pH	7.30		11/20/03	150.1	4-10
WQ6ADLR17N8D	T21810		Conductivity	4110		11/21/03	SM2510B	
WQ6ADLR17N8D	T21810		Sulfate	1970		11/20/03	300.0	2
WQ6ADLR17N8D	T21810		Total Dissolved Solids (TDS)	4035		11/21/03	160.1	10
WQ6ADLR16N5D	T21804		Total Organic Carbon (TOC)	1.00	U	12/3/03	415.1	1.0
WQ6ADLR16N4D	T21802		Total Organic Halogen (TOX)	3.90		12/11/03	5320B/9020B	0.005
WQ6ADLR17N8D	T21810		Total Suspended Solids (TSS)	1.00	U	11/24/03	160.2	1.0

(Density reported in g/mL, pH reported in s.u., Conductivity reported in uMHOs/cm, all other analytes reported in mg/L)

(pH ran as soon as received in laboratory)

Comments:

TOX ran by ATEL

pH received out of hold time.

Nitrate (as N) ran as a NO3-NO2 because of the high amounts of Cl raising the Nitrate by IC reporting limit. NO3-NO2 was <0.10 mg/L so Nitrate as N should be <0.10 mg/L

TRACEANALYSIS

DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Program: WIPP/DMP

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Alkalinity	106.0		106.0		0
Chloride	391		394		1
Density	1.00		0.997		0
Nitrate (as N)	0.01	U	0.01	U	0
pH	7.30		7.30		0
Conductivity	4070		4110		1
Sulfate	1950		1970		1
Total Dissolved Solids (TDS)	3955		4035		2
Total Organic Carbon (TOC)	1.00	U	1.00	U	0
Total Organic Halogen (TOX)	4.00		3.90		3
Total Suspended Solids (TSS)	1.00	U	1.00	U	0

TRACEANALYSIS
FORM 2
INITIAL CALIBRATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous / solid / leachate) : Aqueous

<u>ANALYTE</u>	<u>CAS No.</u>	<u>Date</u>	<u>CF1</u>	<u>CF2</u>	<u>CF3</u>	<u>CF4</u>	<u>CF5</u>	<u>CF6</u>	<u>X</u>	<u>S</u>
<u>Chloride</u>	<u>7782-50-5</u>	<u>11/04/03</u>	<u>116000</u>	<u>113000</u>	<u>112000</u>	<u>120000</u>	<u>132000</u>	<u> </u>	<u>118000</u>	<u>6.7</u>
<u>Nitrate (as N)</u>	<u>7727-37-9</u>	<u>11/19/03</u>	<u>5.62</u>	<u>5.540</u>	<u>5.41</u>	<u> </u>	<u> </u>	<u> </u>	<u>5.52</u>	<u>1.93</u>
<u>Sulfate</u>	<u> </u>	<u>11/04/03</u>	<u>76400</u>	<u>74400</u>	<u>73700</u>	<u>76300</u>	<u>81400</u>	<u> </u>	<u>76400</u>	<u>3.94</u>
<u>Total Organic Carbon (TOC)</u>	<u> </u>	<u>11/19/03</u>	<u>11600</u>	<u>6470</u>	<u>5120</u>	<u>4440</u>	<u>4170</u>	<u>4060</u>	<u>5980</u>	<u>48.6</u>

(1) X = average Calibration Factor; s = relative standard deviation of the Calibration Factors

TRACEANALYSIS
FORM 3
INITIAL CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	12.4	99
Nitrate (as N)	7727-37-9	0.08	0.079	99
pH		7.00	7.00	100
Conductivity		1409	1410	100
Sulfate		12.5	12.5	100
Total Dissolved Solids (TDS)		1000	1007	101
Total Organic Carbon (TOC)		5.00	4.51	90
Total Organic Halogen (TOX)		5.00	5.06	101

Comments

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS
FORM 3
CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Concentration Units: mg/L

Analyte	CAS Number	True	Found	%R
Alkalinity		250	240	96
Chloride	7782-50-5	12.5	12.5	100
Nitrate (as N)	7727-37-9	0.08	0.080	100
pH		7.00	7.00	100
Conductivity		1412	1410	100
Sulfate		12.50	12.6	100
Total Dissolved Solids (TDS)		1000	1018	102
Total Organic Carbon (TOC)		5.00	5.04	101
TOX		5.0	4.74	95
Comments				

Forms by ChemSW™(707)864-0846;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 6

MATRIX SPIKE and MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	MS Concentration	MS %R
7782-50-5	Chloride	166	625	726	90
7727-37-9	Nitrate (as N)	0.00	0.08	0.072	90
	Sulfate	1970	625	2500	85
	Total Organic Carbon (TOC)	8.62	5.00	16.41	156

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	MSD Concentration	MSD %R	RPD
7782-50-5	Chloride	625	731	90	0
7727-37-9	Nitrate (as N)	0.08	0.075	93	3
	Sulfate	625	2487	83	2
	Total Organic Carbon (TOC)	5.00	16.6	160	3

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

Comments:

TOC spikes demonstrate interference use LCS/LCSD.

TRACEANALYSIS
FORM 6
LCS and LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous / solid / leachate) : Aqueous

Matrix Spike Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Sample Concentration	Spike Added	LCS Concentration	LCS %R
7782-50-5	Chloride	0.00	12.5	12.3	98
7727-37-9	Nitrate (as N)	0.00	0.08	0.079	98
	Sulfate	0.00	12.5	12.4	99
	Total Organic Carbon (TOC)	0.00	5.00	4.88	98

Matrix Spike Duplicate Data

Concentration Units (mg/L or mg/Kg dry weight) : mg/L

CAS No.	Analyte	Spike Added	LCSD Concentration	LCSD %R	RPD
7782-50-5	Chloride	12.5	12.4	99	1
7727-37-9	Nitrate (as N)	0.08	0.080	100	2
	Sulfate	12.5	12.5	100	1
	Total Organic Carbon (TOC)	5.00	4.72	94	4

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

Comments:

TRACEANALYSIS
FORM 7
DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous / solid / leachate) : Aqueous

CAS No.	Analyte	Sample Concentration	Duplicate Concentration	RPD
	Density	0.997	1.00	0
	TDS	4035	3695	9
	TSS	<1.0	<1.0	0
	pH	7.30	7.30	0
	Conductivity	4110	4110	0
	Alkalinity	106	104	2

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>01/17/01</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (CaCO ₃)	IPR1 CONC. FOUND (CaCO ₃)	IPR2 CONC. FOUND (CaCO ₃)	IPR3 CONC. FOUND (CaCO ₃)	IPR4 CONC. FOUND (CaCO ₃)	X (%)	S (%)
Alkalinity	250	240	246	242	244	97	2.58

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>NA</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Chloride	12.5	12.28	12.21	12.27	12.25	98	0.031
Sulfate	12.5	12.28	12.28	12.28	12.34	98	0.030

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:12</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:27</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:41</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>20:56</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
Nitrate	0.160	0.155	0.171	0.166	0.166	103	0

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>02/16/99</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (s.u.)	IPR1 CONC. FOUND (s.u.)	IPR2 CONC. FOUND (s.u.)	IPR3 CONC. FOUND (s.u.)	IPR4 CONC. FOUND (s.u.)	X (%)	S (%)
pH	7.00	7.01	7.01	7.02	7.02	100	0.01

Forms by ChemSW™(707)864-0845;pin11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS

FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>03/07/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (uMHOs/cm)	IPR1 CONC. FOUND (uMHOs/cm)	IPR2 CONC. FOUND (uMHOs/cm)	IPR3 CONC. FOUND (uMHOs/cm)	IPR4 CONC. FOUND (uMHOs/cm)	X (%)	S (%)
Conductivity	1412	1416	1424	1407	1404	100	9.07

Forms by ChemSW™(707)864-0845;p/n11092;v5.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR2	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR3	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>
IPR4	Analysis Date:	<u>04/12/02</u>	Time:	<u>N/A</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TDS	1000	1011	1006	1003	1010	101	3.70

Forms by ChemSW™ (707)864-0845; p/n11092; v5.2; 11/1/97

X = average percent recovery from four IPRs.
S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 10
INITIAL PRECISION AND RECOVERY (IPR)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

IPR1	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:33</u>
IPR2	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:44</u>
IPR3	Analysis Date:	<u>05/03/02</u>	Time:	<u>17:58</u>
IPR4	Analysis Date:	<u>05/03/02</u>	Time:	<u>18:09</u>

ANALYTE	SPIKE CONC. (mg/L)	IPR1 CONC. FOUND (mg/L)	IPR2 CONC. FOUND (mg/L)	IPR3 CONC. FOUND (mg/L)	IPR4 CONC. FOUND (mg/L)	X (%)	S (%)
TOC	5.000	4.992	5.001	5.237	5.177	102	0.124

Forms by ChemSW™(707)864-0845;p/n11092;v6.2;11/1/97

X = average percent recovery from four IPRs.

S = relative standard deviation of the four IPR percent recoveries.

TRACEANALYSIS
FORM 11
ONGOING PRECISION AND RECOVERY (OPR)

Lab Name TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (aqueous/solid/leachate): Aqueous

ANALYTE	SPIKE CONC. (mg/L)	CONC. FOUND (mg/L)
Chloride	5.00	5.23
Sulfate	5.00	5.76

Forms by ChemSW™ (707)864-8845; p/n11092; v6.2; 11/1/97

SECTION II

INORGANIC ANALYSIS

INORGANIC ANALYSIS SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111926

Page Numbers

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18	Interference Check (Form 2A)
19	Blank (3)
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25	Instrument Detection Limits (Quarterly) (Form 10)
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91	TOTAL PAGES

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926

WIPP Sample No.
WQ6ADLR17N7
WQ6ADLR17N7D
WQ6ADLR17N12
WQ6ADLR17N12D
WQ6ADLR17N13
WQ6ADLR17N13D

Lab Sample ID.
T21807
T21808
T21811
T21812
T21813
T21814

Were ICP interelement corrections applied?

Yes/No No

Were ICP backgrounds corrections applied?

Yes/No Yes

If yes-were raw data generated before
application of background corrections?

Yes/No Yes

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Michael T. All

Date:

1/8/04

Name: Blair Leftwich

Title: Managing Director

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21807

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.219		11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.0650		11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21807

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	616		11/24/03		0.5	P
7439-95-4	Magnesium	164		11/24/03		0.5	P
7440-09-7	Potassium	6.16		11/24/03		0.5	P
7440-23-5	Sodium	231		11/24/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ6ADLR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21808

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.210		11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.0690		11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N7D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21808

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	608		11/24/03		0.5	P
7439-95-4	Magnesium	162		11/24/03		0.5	P
7440-09-7	Potassium	6.10		11/24/03		0.5	P
7440-23-5	Sodium	226		11/24/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ6ADLR17N12

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21811

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.025	U	11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N12

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21811

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	0.5	U	11/24/03		0.5	P
7439-95-4	Magnesium	0.5	U	11/24/03		0.5	P
7440-09-7	Potassium	1.02		11/24/03		0.5	P
7440-23-5	Sodium	1.02		11/24/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.

WQ6ADLR17N12D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21812

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.025	U	11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N12D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21812

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	0.5	U	11/24/03		0.5	P
7439-95-4	Magnesium	0.5	U	11/24/03		0.5	P
7440-09-7	Potassium	1.02		11/24/03		0.5	P
7440-23-5	Sodium	1.02		11/24/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.
Page 10

WQ6ADLR17N13

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21813

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.204		11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N13

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21813

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	0.5	U	11/24/03		0.5	P
7439-95-4	Magnesium	0.5	U	11/24/03		0.5	P
7440-09-7	Potassium	1.03		11/24/03		0.5	P
7440-23-5	Sodium	0.906		11/24/03		0.5	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

SECTION II
WIPP SAMPLE NO.
Page 12

WQ6ADLR17N13D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21814

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-36-0	Antimony	0.25	U	11/26/03		0.25	P
7440-38-2	Arsenic	0.1	U	11/26/03		0.1	P
7440-39-3	Barium	0.1	U	11/26/03		0.1	P
7440-41-7	Beryllium	0.010	U	11/26/03		0.010	P
7440-43-9	Cadmium	0.010	U	11/26/03		0.010	P
7440-47-3	Chromium	0.025	U	11/26/03		0.025	P
7439-89-6	Iron	0.500	U	11/26/03		0.500	P
7439-92-1	Lead	0.05	U	11/26/03		0.05	P
7439-97-6	Mercury	0.0002	U	11/21/03		0.0002	CV
7440-02-0	Nickel	0.05	U	11/26/03		0.05	P
7782-49-2	Selenium	0.025	U	11/26/03		0.025	P
7440-22-4	Silver	0.025	U	11/26/03		0.025	P
7440-28-0	Thallium	0.025	U	11/26/03		0.025	P
7440-62-2	Vanadium	0.050	U	11/26/03		0.05	P

Comments:

FORM I - IN

TraceAnalysis, Inc.
1
INORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N13D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Lab Sample ID: T21814

Date Received: 11/19/03

Concentration Units (mg/L or mg/kg dry weight):

mg/L

CAS No.	Analyte	Concentration	C	Analysis Date	Q	RL	M
7440-70-2	Calcium	0.5	U	11/24/03		0.5	P
7439-95-4	Magnesium	0.5	U	11/24/03		0.5	P
7440-09-7	Potassium	1.03		11/24/03		0.5	P
7440-23-5	Sodium	0.891		11/24/03		0.5	P

Comments:

FORM I - IN

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	616		608		1
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	164		162		1
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	6.16		6.10		1
Selenium	0.219		0.210		4
Silver	0.025	U	0.025	U	0
Sodium	231		226		2
Thallium	0.025	U	0.025	U	0
Vanadium	0.0650		0.0690		6

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	0.5	U	0.5	U	0
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	0.5	U	0.5	U	0
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	1.02		1.02		0
Selenium	0.025	U	0.025	U	0
Silver	0.025	U	0.025	U	0
Sodium	1.02		1.02		0
Thallium	0.025	U	0.025	U	0
Vanadium	0.050	U	0.050	U	0

TRACEANALYSIS

METALS
DUPLICATE RPD

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Analyte	Sample Results		Sample Results Dup		RPD
	Value	C	Value	C	
Antimony	0.25	U	0.25	U	0
Arsenic	0.1	U	0.1	U	0
Barium	0.1	U	0.1	U	0
Beryllium	0.010	U	0.010	U	0
Cadmium	0.010	U	0.010	U	0
Calcium	0.5	U	0.5	U	0
Chromium	0.025	U	0.025	U	0
Iron	0.500	U	0.500	U	0
Lead	0.05	U	0.05	U	0
Magnesium	0.5	U	0.5	U	0
Mercury	0.0002	U	0.0002	U	0
Nickel	0.05	U	0.05	U	0
Potassium	1.03		1.03		0
Selenium	0.204		0.025	U	156
Silver	0.025	U	0.025	U	0
Sodium	0.906		0.891		2
Thallium	0.025	U	0.025	U	0
Vanadium	0.050	U	0.050	U	0

TraceAnalysis, Inc.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Initial Calibration Source: ME021211-W4

Continuing Calibration Source: ME021211-W4

Initial Calibration Curve: ME021211-C1

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	1.00	1.01	101	1.00	0.971	97			P
Arsenic	1.00	0.994	99	1.00	0.960	96			P
Barium	1.00	1.01	101	1.00	0.979	98			P
Beryllium	1.00	1.02	102	1.00	0.964	96			P
Cadmium	1.00	1.01	101	1.00	0.942	94			P
Copper	25	25.0	100	25	24.8	99			P
Chromium	1.00	1.03	103	1.00	0.977	98			P
Iron	1.00	1.02	102	1.00	0.981	98			P
Lead	1.00	1.02	102	1.00	0.941	94			P
Magnesium	25	24.9	100	25	24.7	99			P
Mercury	0.001	0.00093	93	0.001	0.00086	86			CV
Nickel	1.00	0.982	98	1.00	0.914	91			P
Potassium	25	24.1	96	25	25.1	100			P
Selenium	1.00	0.990	99	1.00	0.956	96			P
Silver	0.125	0.126	101	0.125	0.119	95			P
Sodium	25	25.3	101	25	24.8	99			P
Thallium	1.00	1.03	103	1.00	0.967	97			P
Vanadium	1.00	0.998	100	1.00	0.977	98			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
2A
INTERFERENCE CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Initial Calibration Source: ME020919-W4

Continuing Calibration Source: ME020919-W4

Initial Calibration Curve: ME020919-C1

Concentration Units: mg/L

Analyte	True	ICS A Found	%R(1)	True	ICS A+B Found	%R(1)
Antimony	N/A	N/A	N/A	1.00	1.07	107
Arsenic	N/A	N/A	N/A	1.00	1.01	101
Barium	N/A	N/A	N/A	0.300	0.322	107
Beryllium	N/A	N/A	N/A	0.100	0.0981	98
Cadmium	N/A	N/A	N/A	0.300	0.317	106
Cesium	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	0.300	0.310	103
Iron	12.50			12.5		
Lead	N/A	N/A	N/A	1.00	0.990	99
Lithium	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	N/A	N/A	N/A	0.300	0.288	96
Potassium	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	0.500	0.510	102
Silver	N/A	N/A	N/A	0.300	0.327	109
Sodium	N/A	N/A	N/A	N/A	N/A	N/A
Thallium	N/A	N/A	N/A	1.00	1.23	123
Vanadium	N/A	N/A	N/A	0.300	0.337	112

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TraceAnalysis, Inc.
3
BLANKS

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (mg/L)	C	Continuing Calibration Blank (mg/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Antimony	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Arsenic	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Barium	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	P
Beryllium	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	P
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	P
Calcium											P
Chromium	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Iron	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Lead	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	P
Magnesium											P
Mercury											CV
Nickel	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P
Potassium											P
Selenium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Silver	0.0125	U	0.0125	U	0.0125	U	0.0125	U	0.0125	U	P
Sodium											P
Thallium	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	P
Vanadium	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	P

TraceAnalysis, Inc.
5A
SPIKE SAMPLE RECOVERY

WIPP SAMPLE NO.

WQ6ADLR17N7

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	1.18	0.25	1.25	94		P
Arsenic	75-125	2.23	0.1	2.5	89		P
Barium	75-125	5.20	0.1	5.0	104		P
Beryllium	75-125	0.135	0.010	0.125	108		P
Cadmium	75-125	1.20	0.010	1.25	96		P
Calcium	75-125	984	616	500	74	N	P
Chromium	75-125	0.510	0.025	0.500	102		P
Iron	75-125	2.40	0.5	2.5	96		P
Lead	75-125	3.05	0.05	2.5	122		P
Magnesium	75-125	602	164	500	88		P
Mercury	75-125	0.00098	0.0002	0.001	98		CV
Nickel	75-125	1.11	0.05	1.25	89		P
Potassium	75-125	480	6.16	500	95		P
Selenium	75-125	2.10	0.219	2.5	75		P
Silver	75-125	0.685	0.025	0.625	110		P
Sodium	75-125	638	231	500	81		P
Thallium	75-125	2.49	0.025	2.5	100		P
Vanadium	75-125	1.32	0.0650	1.25	100		P

Comments:

N: MS recovery invalid due to matrix effects. LCS demonstrates process under control.

TraceAnalysis, Inc.
6
MATRIX SPIKE DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ6ADLR17N7

SDG No.: 3111926

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	Matrix Spike Sample (S)	C	Matrix Spike Duplicate (D)	C	RPD	Q	M
Antimony	25	1.18		1.11		6		P
Arsenic	25	2.23		2.43		9		P
Barium	25	5.20		5.25		1		P
Beryllium	25	0.135		0.125		8		P
Cadmium	25	1.20		1.21		1		P
Calcium	25	984		1140		15		P
Chromium	25	0.510		0.500		2		P
Iron	25	2.40		2.41		0		P
Lead	25	3.05		3.12		2		P
Magnesium	25	602		689		13		P
Mercury	25	0.00098		0.00095		3		CV
Nickel	25	1.11		1.13		2		P
Potassium	25	480		528		10		P
Selenium	25	2.10		2.10		0		P
Silver	25	0.685		0.715		4		P
Sodium	25	638		712		11		P
Thallium	25	2.49		2.75		10		P
Vanadium	25	1.32		1.32		0		P

TraceAnalysis, Inc.
6
LCS DUPLICATES

WIPP SAMPLE NO.

Lab Name: TraceAnalysis, Inc.

WQ6ADLR17N7

SDG No.: 3111926

Matrix (soil/water): Water

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	Control Limit	LCS	C	LCSD	C	RPD	Q	M
Antimony	25	0.252		0.245		3		P
Arsenic	25	0.460		0.486		5		P
Barium	25	0.98		0.981		0		P
Beryllium	25	0.0251		0.0235		7		P
Cadmium	25	0.237		0.237		0		P
Calcium	25	96.5		98.8		2		P
Chromium	25	0.0990		0.101		2		P
Iron	25	0.475		0.476		0		P
Lead	25	0.498		0.461		8		P
Magnesium	25	95.4		98.3		3		P
Mercury	25	0.00094		0.001		6		CV
Nickel	25	0.215		0.218		1		P
Potassium	25	98.3		101		3		P
Selenium	25	0.459		0.449		2		P
Silver	25	0.122		0.124		2		P
Sodium	25	101		101		0		P
Thallium	25	0.492		0.516		5		P
Vanadium	25	0.260		0.259		0		P

TraceAnalysis, Inc.
7
LABORATORY CONTROL SAMPLE

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Solid LCS Source: _____

Aqueous LCS Source: ME0821211-W1

Analyte	Aqueous (mg/L)			Solid (mg/kg)			Limits	%R
	True	Found	%R	True	Found	C		
Antimony	0.25	0.252	101					
Arsenic	0.50	0.460	92					
Barium	1.00	0.98	98					
Beryllium	0.025	0.0251	100					
Cadmium	0.25	0.237	95					
Calcium	100	96.5	97					
Chromium	0.10	0.0990	99					
Iron	0.50	0.475	95					
Lead	0.50	0.498	100					
Magnesium	100	95.4	95					
Mercury	0.001	0.00094	94					
Nickel	0.25	0.215	86					
Potassium	100	98.3	98					
Selenium	0.50	0.459	92					
Silver	0.125	0.122	98					
Sodium	100	101	101					
Thallium	0.50	0.492	98					
Vanadium	0.25	0.260	104					

SECTION III

VOLATILES

VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111926

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13	Volatile Method Blank Summary (Form 4A)
14	Volatile Organic Instrument Performance Check (Form 5A)
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1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix: (soil/water) Water

Lab Sample ID: T21795

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 0901009.D

GC Column: DB-624 60m

Date Received: 11/19/03

Dilution Factor: 1

Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N1D

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix: (soil/water) WaterLab Sample ID: T21796Sample wt/vol: 5 (g/mL) mLLab File ID: 1001010.DGC Column: DB-624 60mDate Received: 11/19/03Dilution Factor: 1Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N2

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix: (soil/water) WaterLab Sample ID: T21797Sample wt/vol: 5 (g/mL) mLLab File ID: 1101011.DGC Column: DB-624 60mDate Received: 11/19/03Dilution Factor: 1Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
78-83-1	Isobutyl Alcohol		5.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N2D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix: (soil/water) Water

Lab Sample ID: T21798

Sample wt/vol: 5 (g/mL) mL

Lab File ID: 1201012.D

GC Column: DB-624 60m

Date Received: 11/19/03

Dilution Factor: 1

Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
74-83-1	Isobutyl Alcohol		5.00	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N3

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix: (soil/water) WaterLab Sample ID: T21799Sample wt/vol: 5 (g/mL) mLLab File ID: 1301013.DGC Column: DB-624 60mDate Received: 11/19/03Dilution Factor: 1Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N3D

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix: (soil/water) WaterLab Sample ID: T21800Sample wt/vol: 5 (g/mL) mLLab File ID: 1401014.DGC Column: DB-624 60mDate Received: 11/19/03Dilution Factor: 1Date Analyzed: 11/29/03

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	5.00	U
75-69-4	Trichlorofluoromethane	1.00	U
78-93-3	2-Butanone	5.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	5.00	U
75-34-3	1,1-Dichloroethane	1.00	U
540-59-0	cis-1,2-Dichloroethene	1.00	U
540-59-0	trans-1,2-Dichloroethene	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
79-01-6	Trichloroethene	1.00	U
108-88-3	Toluene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
108-90-7	Chlorobenzene	1.00	U
108-38-3, 106-42-3	m&p-Xylene	1.00	U
94-47-6	o-Xylene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM I VOA

Forms by Chem(707)864-0845;pin11014;v3.2;11/1/97

OLM02.0

TraceAnalysis

Volatiles RPD

SDG No.: 3111926

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

TraceAnalysis

Volatiles RPD

SDG No.: 3111926

COMPOUND	Conc		Conc		RPD
	ug/L	Q	ug/L	Q	
Isobutyl Alcohol	5	U	5	U	0

TraceAnalysis

Volatiles Trip Blank RPD

SDG No.: 3111926

COMPOUND	Conc ug/L Q		Conc ug/L Q		RPD
Vinyl Chloride	1	U	1	U	0
Bromomethane	5	U	5	U	0
Trichlorofluoromethane	1	U	1	U	0
2-Butanone	5	U	5	U	0
1,1-Dichloroethene	1	U	1	U	0
Methylene Chloride	5	U	5	U	0
1,1-Dichloroethane	1	U	1	U	0
cis-1,2-Dichloroethene	1	U	1	U	0
trans-1,2-Dichloroethene	1	U	1	U	0
1,2-Dichloroethane	1	U	1	U	0
Chloroform	1	U	1	U	0
1,1,1-Trichloroethane	1	U	1	U	0
Carbon Tetrachloride	1	U	1	U	0
Trichloroethene	1	U	1	U	0
Toluene	1	U	1	U	0
1,1,2-Trichloroethane	1	U	1	U	0
Tetrachloroethene	1	U	1	U	0
Chlorobenzene	1	U	1	U	0
m&p-Xylene	1	U	1	U	0
o-Xylene	1	U	1	U	0
1,1,2,2-Tetrachloroethane	1	U	1	U	0

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926

	LAB SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFM) #	SMC3 (DFM) #	OTHER	TOT OUT
01	Method Blk	101	97	101		0
02	LCS	102	97	101		0
03	LCSD	102	98	101		0
04	T21795	102	97	101		0
05	MS	101	98	101		0
06	MSD	101	96	101		0
07	T21796	101	97	101		0
08	T21797	102	98	102		0
09	T21798	101	97	102		0
10	T21799	101	96	101		0
11	T21800	101	98	102		0
12	CCV	101	100	100		0

SMC1 (TOL) = Toluene-d8

SMC2 (BFM) = 4-Bromofluoromethane

SMC3 (DFM) = Dibromofluoromethane SR

QC LIMITS

(96-111)

(87-113)

(77-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits. Value is high samples reported as Non-Detect.
No flag required.

3A
WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix Spike - WIPP Sample No.: LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	97	97		74-127
Trichloroethene	100	0	96	96		77-102
Benzene	100	0	100	100		89-114
Toluene	100	0	94	94		87-111
Chlorobenzene	100	0	99	99		87-109

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	98	98		1		14	74-127
Trichloroethene	100	95	95		1		13	77-102
Benzene	100	101	101		1		14	89-114
Toluene	100	94	94		0		13	87-111
Chlorobenzene	100	99	99		0		13	87-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A
WATER VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix Spike - WIPP Sample No.: WQ6ADLR17N1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	100	0	91	91		74-127
Trichloroethene	100	0	88	88		77-102
Benzene	100	0	95	95		89-114
Toluene	100	0	89	89		87-111
Chlorobenzene	100	0	91	91		87-109

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	100	86	86		6		14	74-127
Trichloroethene	100	83	83		6		13	77-102
Benzene	100	89	89		7		14	89-114
Toluene	100	83	83		7		13	87-111
Chlorobenzene	100	86	86		6		13	87-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

WIPP SAMPLE NO.

WQ6ADLR17N1

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID: 0601006.D

Lab Sample ID: Method Blank H2O

Date Analyzed: 11/29/03

Time Analyzed: 13:43

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

Instrument ID: NV

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	0301003.D	11:49
02	LCSD	LCSD	0401004.D	12:27
03	WQ6ADLR171	T21795	0901009.D	15:38
04	MS	MS	1501015.D	19:28
05	MSD	MSD	1601016.D	20:06
06	WQ6ADLR17N1D	T21796	1001010.D	16:17
07	WQ6ADLR17N2	T21797	1101011.D	16:56
08	WQ6ADLR17N2D	T21798	1201012.D	17:34
09	WQ6ADLR17N3	T21799	1301013.D	18:11
10	WQ6ADLR17N3D	T21800	1401014.D	18:50
11	CCV	CCV	0201002.D	11:12

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID: 0101001.D

BFB Injection Date: 11/29/03

Instrument ID: NV

BFB Injection Time: 10:54

J&W Scientific

GC Column: DB-624 60m ID: 0.25 (mm)

Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.0
75	30.0 - 66.0% of mass 95	44.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0
174	50.0 - 120.0% of mass 95	78.8
175	4.0 - 9.0% of mass 174	7.4
176	93.0 - 101.0% of mass 174	96.7
177	5.0 - 9.0% of mass 176	6.4

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	0201002.D	11/29/03	11:12
02	Blank	Blank	0601006.D	11/29/03	13:43
03	LCS	LCS	0301003.D	11/29/03	11:49
04	LCSD	LCSD	0401004.D	11/29/03	12:27
05	WQ6ADLR171	T21795	0901009.D	11/29/03	15:38
06	MS	MS	1501015.D	11/29/03	19:28
07	MSD	MSD	1601016.D	11/29/03	20:06
08	WQ6ADLR17N1D	T21796	1001010.D	11/29/03	16:17
09	WQ6ADLR17N2	T21797	1101011.D	11/29/03	16:56
10	WQ6ADLR17N2D	T21798	1201012.D	11/29/03	17:34
11	WQ6ADLR17N3	T21799	1301013.D	11/29/03	18:11
12	WQ6ADLR17N3D	T21800	1401014.D	11/29/03	18:50

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Instrument ID: NVCalibration Date(s): 11/24/03Heated Purge:(Y/N) NCalibration Times: 10:06GC Column: J&W Scientific
DB-624 60mID: 0.25 (mm)

LAB FILE ID: RRF1 = 0401004.D RRF5 = 0501005.D
 RRF50 = 0701007.D RRF100 = 0801008.D RRF150 = 1001010.D
 RRF200 = 1301013.D

COMPOUND	RRF1	RRF5	RRF50	RRF100	RRF150	RRF200	AVG.	% RSD
Vinyl Chloride	0.477	0.508	0.488	0.494	0.524	0.516	0.501	3.53
Trichlorofluoromethane	0.667	0.710	0.676	0.676	0.690	0.674	0.682	2.29
1,1-Dichloroethene	0.473	0.438	0.382	0.436	0.442	0.443	0.436	6.82
Methylene Chloride		0.601	0.427	0.484	0.496	0.490	0.500	12.64
1,1-Dichloroethane	0.840	0.880	0.781	0.874	0.854	0.802	0.839	4.72
1,2-Dichloroethane	0.663	0.661	0.571	0.643	0.644	0.624	0.634	5.37
Chloroform	0.912	0.837	0.723	0.814	0.829	0.802	0.820	7.45
1,1,1-Trichloroethane	0.642	0.676	0.620	0.719	0.735	0.727	0.687	7.01
Carbon Tetrachloride	0.300	0.333	0.320	0.379	0.385	0.382	0.350	10.52
Trichloroethene	0.306	0.299	0.259	0.296	0.302	0.292	0.292	5.85
Toluene	1.670	1.345	1.106	1.265	1.276	1.256	1.320	14.30
1,1,2-Trichloroethane	0.249	0.247	0.221	0.252	0.256	0.250	0.246	5.00
Tetrachloroethene	0.359	0.355	0.364	0.328	0.418	0.275	0.350	13.44
Chlorobenzene	0.877	0.865	0.752	0.858	0.874	0.860	0.848	5.60
m&p-Xylene	1.217	1.165	0.997	1.114	1.115	1.074	1.114	6.76
o-Xylene	1.260	1.209	1.039	1.151	1.151	1.109	1.153	6.68
1,1,2,2-Tetrachloroethane	0.367	0.364	0.326	0.384	0.381	0.388	0.368	6.14
1,4-Dichlorobenzene	1.253	1.196	1.063	1.235	1.250	1.258	1.209	6.20
1,2-Dichlorobenzene	1.191	1.199	1.062	1.210	1.228	1.222	1.185	5.20
Toluene-d8	1.308	1.303	1.315	1.328	1.333	1.326	1.319	0.91
4-Bromofluorobenzene	0.508	0.497	0.511	0.516	0.518	0.516	0.511	1.49
Dibromofluoromethane	0.467	0.470	0.481	0.482	0.477	0.470	0.475	1.31

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Instrument ID: NVCalibration Date(s): 3/27/02Heated Purge:(Y/N) NCalibration Times: 0:37GC Column: J&W Scientific
DB-624 60mID: 0.25 (mm)

LAB FILE ID:	RRF1 = 0301003.D	RRF5 = 0401004.D
RRF10 = 0501005.D	RRF50 = 0601006.D	RRF100 = 0701007.D
RRF150 = 0901009.D		

COMPOUND	RRF1	RRF5	RRF10	RRF50	RRF100	RRF150	AVG.	% RSD
Isobutyl Alcohol		0.027	0.030	0.024	0.025	0.024	0.026	9.07
Toluene-d8	1.353	1.343	1.341	1.335	1.323	1.322	1.334	0.94
4-Bromofluorobenzene	0.499	0.505	0.510	0.527	0.526	0.528	0.518	2.37
Dibromofluoromethane	0.443	0.455	0.450	0.453	0.457	0.462	0.454	1.36

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

Forms by Chem(707)864-0845;p/n11014;v3.2;11/1/97

OLM02.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Instrument ID: NV Calibration Date: 11/24/03

Lab File ID: 0201002.D Init. Calib. Date(s): 11/29/03

Heated Purge: (Y/N) N Init. Calib. Times: 11:12

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride	0.501	0.511	0.100	-2.0	25.0
Trichlorofluoromethane	0.682	0.710		-4.1	
1,1-Dichloroethene (CM)	0.436	0.475	0.100	-8.9	25.0
Methylene Chloride	0.500	0.531		-6.2	
Dichloroethane (P)	0.839	0.991	0.200	-18.1	25.0
1,2-Dichloroethene	0.500	0.557		-11.4	
1,2-Dichloroethane	0.634	0.667	0.100	-5.2	25.0
Chloroform	0.820	0.882	0.200	-7.6	25.0
1,1,1-Trichloroethane	0.687	0.742	0.100	-8.0	25.0
Carbon Tetrachloride	0.350	0.373	0.100	-6.6	25.0
Trichloroethene	0.292	0.311	0.300	-6.5	25.0
Toluene	1.320	1.356	0.400	-2.7	25.0
1,1,2-Trichloroethane	0.246	0.268	0.100	-8.9	25.0
Tetrachloroethene	0.350	0.307	0.200	12.3	25.0
Chlorobenzene	0.848	0.910	0.500	-7.3	25.0
m,p-Xylene	1.114	1.198		-7.5	
o-Xylene	1.153	1.244		-7.9	
1,1,2,2-Tetrachloroethane	0.368	0.400	0.500	-8.7	25.0
1,4-Dichlorobenzene	1.209	1.307		-8.1	
1,2-Dichlorobenzene	1.185	1.289		-8.8	
Toluene-d8	1.319	1.332		-1.0	
4-Bromofluorobenzene	0.511	0.511	0.200	0.0	25.0
Dibromofluoromethane	0.475	0.473	0.100	0.4	25.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Instrument ID: NV Calibration Date: 03/27/02

Lab File ID: 0501005.D Init. Calib. Date(s): 11/29/03

Heated Purge: (Y/N) N Init. Calib. Times: 13:05

GC Column: J&W Scientific
DB-624 60m ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Isobutyl Alcohol	0.022	0.027	0.010	-22.7	25.0
Toluene-d8			0.200		25.0
4-Bromofluorobenzene			0.100		25.0
Dibromofluoromethane					

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID (Standard): 0201002.D

Date Analyzed: 11/29/03

Instrument ID: NV
J&W Scientific

Time Analyzed: 11:12

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS4 (DCB) AREA #	RT #
12 HOUR STD	1172382	10.96	1908513	11.97	1757506	16.00	889602	19.44
UPPER LIMIT	2344764	11.46	3817026	12.47	3515012	16.50	1779204	19.94
LOWER LIMIT	586191	10.46	954257	11.47	878753	15.50	444801	18.94
LAB SAMPLE NO.								
METHOD BLK	1097738	10.96	1816394	11.97	1666429	16.00	807131	19.44
LCS	1160906	10.96	1904573	11.97	1718577	16.00	831252	19.44
LCSD	1139747	10.96	1884831	11.97	1704562	16.00	820007	19.44
T21795	1084141	10.96	1797814	11.98	1630914	16.00	788944	19.44
MS	1018680	10.96	1702814	11.97	1558685	16.00	786593	19.44
MSD	1042053	10.96	1746714	11.97	1595146	16.00	763658	19.44
T21796	1070174	10.96	1783170	11.97	1623812	16.00	790848	19.44
T21799	1049595	10.96	1752434	11.97	1600319	16.00	774780	19.44
T21800	1039919	10.96	1744699	11.98	1600957	16.00	778624	19.44

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID (Standard): 0501005.D

Date Analyzed: 11/29/03

Instrument ID: NV

Time Analyzed: 13:05

J&W Scientific

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)		IS4 (DCB)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1119512	10.96	1857427	11.98	1702524	16.00	818681	19.44
UPPER LIMIT	2239024	11.46	3714854	12.48	3405048	16.50	1637362	19.94
LOWER LIMIT	559756	10.46	928714	11.48	851262	15.50	409341	18.94
LAB SAMPLE NO.								
METHOD BLK	1097738	10.96	1816394	11.97	1666429	16.00	807131	19.44
T21797	1047382	10.96	1757373	11.98	1596282	16.00	779706	19.44
T21798	295470 *	10.77	472378 *	11.78	409159 *	15.78	151636 *	19.22

IS1 (PFB) = Pentafluorobenzene

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SECTION IV

SEMI-VOLATILES

SEMI-VOLATILE SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111926

Page Numbers

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3	Water Semivolatile Surrogate Recovery (Form 2C)
4	Water Semivolatile Matrix Spike/Matrix Spike Duplicate Recovery (Form 3C)
5	Water Semivolatile LCS/LCSD Recovery (Form 3C)
6	Semivolatile Method Blank Summary (Form 4B)
7	Semivolatile Organic Instrument Performance Check (Form 5B)
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9	Semivolatile Continuing Calibration Check (Form 7B)
10	Semivolatile Internal Standard Area and RT Summary (Form 8B)
11	Semivolatile Internal Standard Area and RT Summary (Form 8C)
12	Semivolatile Raw Data
112	TOTAL PAGES

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N6

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Matrix: (soil/water) WaterLab Sample ID: T21805Sample wt/vol: 1000 (g/mL) mLLab File ID: 1101011.D% Moisture: NA decanted:(Y/N) NDate Received: 11/19/03Concentrated Extract Volume: 1000 (uL)Date Extracted: 11/21/03Injection Volume: 1.0 (uL)Date Analyzed: 12/03/03GPC Cleanup: (Y/N) NDilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
110-86-1	Pyridine	5		U
106-46-7	1,4-Dichlorobenzene	5		U
95-50-1	1,2-Dichlorobenzene	5		U
95-48-7	2-Methylphenol	5		U
106-44-5	4-Methylphenol	5		U
67-72-1	Hexachloroethane	5		U
98-95-3	Nitrobenzene	5		U
51-28-5	2,4-Dinitrophenol	5		U
121-14-2	2,4-Dinitrotoluene	5		U
118-74-1	Hexachlorobenzene	5		U
87-86-5	Pentachlorophenol	5		U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WIPP SAMPLE NO.

WQ6ADLR17N6D

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix: (soil/water) Water

Lab Sample ID: T21806

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: 1401014.D

% Moisture: NA decanted: (Y/N) N

Date Received: 11/19/03

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 11/21/03

Injection Volume: 1.0 (uL)

Date Analyzed: 12/03/03

GPC Cleanup: (Y/N) N

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>ug/L</u>	Q
---------	----------	---	-------------	---

110-86-1	Pyridine	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
95-48-7	2-Methylphenol	5	U
106-44-5	4-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
51-28-5	2,4-Dinitrophenol	5	U
121-14-2	2,4-Dinitrotoluene	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	5	U

FORM I SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	Meth Blk.	56	55	66	26	34	52	0
02	LCS	53	54	60	24	32	60	0
03	LCSD	53	55	59	25	33	61	0
	T21805	46	43	49	13	21	40 *	1
05	MS	51	51	56	10	18	57	0
06	MSD	51	51	57	10	18	57	0
07	T21806	45	43	49	12	19	38 *	1

S1 (NBZ) = Nitrobenzene-d5
S2 (FBP) = 2-Fluorobiphenyl
S3 (TPH) = Terphenyl-d14
S4 (PHL) = Phenol-d5
S5 (2FP) = 2-Fluorophenol
S6 (TBP) = 2,4,6-Tribromophenol

QC LIMITS
(7-138)
(15-135)
(45-162)
(0-67.6)
(0-94)
(45-152)

Column to be used to flag recovery values

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926

Matrix Spike - WIPP Sample No.:

MS/MSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	#	QC. LIMITS REC.
Pyridine	80000	0	9500	12		D-63
1,4-Dichlorobenzene	80000	0	44300	55		25-88
1,2-Dichlorobenzene	80000	0	46600	58		26-115
2-Methylphenol	80000	0	25600	32		19-91
4-Methylphenol/3-Methylphenol	80000	0	21400	27		22-119
Hexachloroethane	80000	0	46000	58		20-101
Nitrobenzene	80000	0	47000	59		18-150
2,4-Dinitrophenol	80000	0	28600	36		12-145
2,4-Dinitrotoluene	80000	0	55700	70		25-130
Hexachlorobenzene	80000	0	51700	65		D-152
Pentachlorophenol	80000	0	42400	53		D-123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
Pyridine	80000	9300	12		0		20	D-63
1,4-Dichlorobenzene	80000	44600	56		2		20	25-88
1,2-Dichlorobenzene	80000	46700	58		0		20	26-115
2-Methylphenol	80000	26000	33		3		20	19-91
4-Methylphenol/3-Methylphenol	80000	21400	27		0		20	22-119
Hexachloroethane	80000	45600	57		2		20	20-101
Nitrobenzene	80000	46200	58		2		20	18-150
2,4-Dinitrophenol	80000	30300	38		5		20	12-145
2,4-Dinitrotoluene	80000	55900	70		0		20	25-130
Hexachlorobenzene	80000	53200	67		3		20	D-152
Pentachlorophenol	80000	42800	54		2		20	D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Matrix Spike - WIPP Sample No.: LCS/LCSD

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCSD % REC #	QC. LIMITS REC.
Pyridine	80000	0	19500	24	D-63
1,4-Dichlorobenzene	80000	0	46600	58	25-88
1,2-Dichlorobenzene	80000	0	48500	61	26-115
2-Methylphenol	80000	0	34700	43	19-91
4-Methylphenol/3-Methylphenol	80000	0	32400	41	22-119
Hexachloroethane	80000	0	47400	59	20-101
Nitrobenzene	80000	0	48400	61	18-150
2,4-Dinitrophenol	80000	0	42300	53	12-145
2,4-Dinitrotoluene	80000	0	62100	78	25-130
Hexachlorobenzene	80000	0	58600	73	D-152
Pentachlorophenol	80000	0	48000	60	D-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
Pyridine	80000	20100	25	4	20 D-63
1,4-Dichlorobenzene	80000	46300	58	0	20 25-88
1,2-Dichlorobenzene	80000	48900	61	0	20 26-115
2-Methylphenol	80000	35400	44	2	20 19-91
4-Methylphenol/3-Methylphenol	80000	33000	41	0	20 22-119
Hexachloroethane	80000	47400	59	0	20 20-101
Nitrobenzene	80000	48600	61	0	20 18-150
2,4-Dinitrophenol	80000	43400	54	2	20 12-145
2,4-Dinitrotoluene	80000	62800	79	1	20 25-130
Hexachlorobenzene	80000	58000	73	0	20 D-152
Pentachlorophenol	80000	48900	61	2	20 D-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID: 0801008.D

Lab Sample ID: Method Blank

Instrument ID: NS

Date Extracted: 11/21/03

Matrix: (soil/water) Water

Date Analyzed: 12/03/03

Time Analyzed: 16:27

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS	LCS	0901009.D	12/03/03
02	LCSD	LCSD	1001010.D	12/03/03
03	WQ6ADLR17N6	T21805	1101011.D	12/03/03
04	WQ6ADLR17N6MS	MS	1201012.D	12/03/03
05	WQ6ADLR17N6MSD	MSD	1301013.D	12/03/03
06	WQ6ADLR17N6D	T21806	1401014.D	12/03/03

COMMENTS:

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: TraceAnalysis, Inc.SDG No.: 3111926Lab File ID: 0101001.DDFTPP Injection Date: 12/03/03Instrument ID: NSDFTPP Injection Time: 14:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	44.1
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	41.6
70	Less than 2.0% of mass 69	0.5
127	25.0 - 75.0% of mass 198	47.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	27.7
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	79.2
442	40.0 - 110.0% of mass 198	65.5
443	15.0 - 24.0% of mass 442	19.7

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	WIPP SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV 60ppm	CCV 60ppm	0501005.D	12/03/03	14:38
02	METHOD BLANK	METHOD BLANK	0801008.D	12/03/03	16:27
03	LCS	LCS	0901009.D	12/03/03	17:04
04	LCSD	LCSD	1001010.D	12/03/03	17:40
05	WQ6ADLR17N6	T21805	1101011.D	12/03/03	18:17
06	WQ6ADLR17N6MS	MS	1201012.D	12/03/03	18:53
07	WQ6ADLR17N6MSD	MSD	1301013.D	12/03/03	19:29
08	WQ6ADLR17N6D	T21806	1401014.D	12/03/03	20:06

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Instrument ID: NS Calibration Date(s) 12/03/03

Calibration Times: 11:42

LAB FILE ID:		RRF5 = 0201002.D		RRF20 = 0301003.D					
RRF40 = 0401004.D		RRF60= 0501005.D		RRF80= 0601006.D					
RRF100 = 0701007.D									
COMPOUND		RRF5	RRF20	RRF40	RRF60	RRF80	RRF100	% AVERAGE	RSD
Pyridine	*	1.348	1.290	1.303	1.313	1.336	1.313	1.317	1.63
1,4-Dichlorobenzene	*	1.584	1.555	1.559	1.555	1.579	1.590	1.570	1.02
1,2-Dichlorobenzene	*	1.430	1.403	1.392	1.401	1.418	1.404	1.408	0.96
2-Methylphenol	*	1.458	1.475	1.446	1.448	1.460	1.425	1.452	1.17
4-Methylphenol	*	1.489	1.543	1.526	1.526	1.553	1.534	1.529	1.44
Hexachloroethane	*	0.560	0.567	0.578	0.579	0.588	0.582	0.576	1.78
Nitrobenzene	*	0.413	0.415	0.413	0.406	0.403	0.397	0.408	1.69
2,4-Dinitrophenol			0.125	1.900	0.229	0.244	0.253	0.208	25.24
2,4-Dinitrotoluene	*	0.304	0.387	0.419	0.441	0.444	0.437	0.405	13.27
Hexachlorobenzene	*	0.267	0.266	0.271	0.283	0.298	0.301	0.281	5.53
Pentachlorophenol	*		0.206	0.239	0.261	0.270	0.276	0.251	11.40
Nitrobenzene-d5		0.488	0.498	0.504	0.502	0.500	0.495	0.498	1.15
2-Fluorobiphenyl	*	1.888	1.951	1.982	2.001	2.027	2.004	1.975	2.53
Terphenyl-d14	*	1.272	1.370	1.440	1.451	1.482	1.459	1.412	5.55
Phenol-d5		1.850	1.881	1.840	1.842	1.844	1.819	1.846	1.09
2-Fluorophenol	*	1.507	1.602	1.603	1.606	1.611	1.589	1.586	2.50
2,4,6-Tribromophenol		0.225	0.265	0.292	0.310	0.322	0.331	0.291	13.71

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

Forms by ChemSW(707)864-0845;pin11013;v3.2;11/1/97

FORM VI SV-1

OLM02.0

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Instrument ID: NS Calibration Date: 12/03/03 11:42

Lab File ID: 0501005.D Init. Calib. Date(s): 12/03/03

Init. Calib. Times: 14:38

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Pyridine	1.317	1.313		0.3	
1,4-Dichlorobenzene	1.570	1.555	0.500	1.0	25.0
1,2-Dichlorobenzene	1.408	1.401		0.5	
2-Methylphenol	1.452	1.447	0.700	0.3	25.0
4-Methylphenol	1.529	1.526	0.600	0.2	25.0
Hexachloroethane	0.576	0.579	0.300	-0.5	25.0
Nitrobenzene	0.408	0.406	0.200	0.5	25.0
2,4-Dinitrophenol	0.208	0.229		-10.1	
2,4-Dinitrotoluene	0.405	0.441	0.200	-8.9	25.0
Hexachlorobenzene	0.281	0.283	0.100	-0.7	25.0
Pentachlorophenol	0.251	0.261	0.050	-4.0	25.0
Nitrobenzene-d5	0.498	0.502	0.200	-0.8	25.0
2-Fluorobiphenyl	1.975	2.001	0.700	-1.3	25.0
Terphenyl-d14	1.412	1.451	0.500	-2.8	25.0
Phenol-d6	1.846	1.842	0.800	0.2	25.0
2-Fluorophenol	1.586	1.606	0.600	-1.3	25.0
2,4,6-Tribromophenol	0.291	0.310		-6.5	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1

Forms by ChemSW(707)864-0845;p/n11013;v3.2;11/1/97

OLM02.0

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID (Standard): 0501005.D

Date Analyzed: 12/03/03

Instrument ID: NS

Time Analyzed: 14:38

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR ST	453135	9.83	1591387	12.29	799618	15.19
UPPER LIM	906270	10.33	3182774	12.79	1599236	15.69
LOWER LIM	226568	9.33	795694	11.79	399809	14.69
SAMPLE NO.						
01 method blan	567181	9.82	1995735	12.28	978084	15.19
02 lcs	609729	9.82	2132103	12.29	1083710	15.19
03 lcsd	591244	9.83	2091654	12.29	1062106	15.19
04 T21805	578096	9.82	2078760	12.28	1025043	15.19
05 MS	555486	9.82	1968255	12.29	1002980	15.19
06 MSD	599049	9.83	2139213	12.29	1099590	15.19
07 T21806	669952	9.82	2388672	12.28	1174056	15.19

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TraceAnalysis, Inc.

SDG No.: 3111926

Lab File ID (Standard): 0501005.D

Date Analyzed: 12/03/03

Instrument ID: NS

Time Analyzed: 14:38

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR ST	1396164	17.25	1222765	20.80	1032947	23.63
UPPER LIMIT	2792328	17.75	2445530	21.30	2065894	24.13
LOWER LIMIT	698082	16.75	611383	20.30	516474	23.13
SAMPLE NO.						
01 method blank	1698562	17.24	1550046	20.79	1200512	23.62
02 lcs	1865210	17.25	1865210	20.80	1331731	23.63
03 lcsd	1858050	17.25	1621822	20.80	1354197	23.63
04 T21805	1745830	17.24	1576845	20.79	1252069	23.61
05 MS	1789182	17.24	1547547	20.80	1294556	23.63
06 MSD	1902337	17.25	1557734	20.80	1332607	23.63
07 T21806	1982263	17.24	1750148	20.79	1318449	23.61

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

SECTION V

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY SECTION INVENTORY SHEET

TraceAnalysis Analytical Laboratory - Lubbock, Texas

SDG No. : 3111926

Page Numbers

<u>From</u>	<u>Document Description</u>
1	Request For Analysis
3	Chain-of-Custody
4	TOTAL PAGES

21795-814

REQUEST FOR ANALYSIS

RFA Control No. 6474C of C Control No. 6474

WASTE ISOLATION PILOT PLANT
WESTINGHOUSE ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

BF 11/19/03

DATE SAMPLES SHIPPED 11/19/03LAB DESTINATION Trace AnalysisLABORATORY CONTACT James TaylorSEND LAB REPORT TO Mark EdwardsP.O. Box 2078Carlsbad, N.M. 88221SAMPLING PROGRAM WIPA/SMPDATE REPORT REQUIRED 12/19/03PURCHASE ORDER NO. 3230PROJECT CONTACT Ron RichardsonPROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
WQ6ADLR17N1	Ground Water	40 ml. x 4	HCL pH<2	VOC	Method 8260 21795
WQ6ADLR17N1D	↑	40 ml. x 4	↑	VOC	↑ 96
WQ6ADLR17N2		40 ml. x 2		VOC (other)	97
WQ6ADLR17N2D		40 ml. x 2		VOC (other)	98
WQ6ADLR17N3		40 ml. x 4	↓	VOC Trip Blank	↓ 99
WQ6ADLR17N3D		40 ml. x 4	HCL pH<2	VOC Trip Blank	Method 8260 800
WQ6ADLR17N4		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 801
WQ6ADLR17N4D		500 ml. x 1	H2SO4 pH<2	TOX	Method 9020B 802
WQ6ADLR17N5		250 ml. x 1	HCL pH<2	TOC	Method 415.1 803
WQ6ADLR17N5D		250 ml. x 1	HCL pH<2	TOC	Method 415.1 804
WQ6ADLR17N6		1 liter x 6	NONE	Semi-Volatiles	Method 8270 805
WQ6ADLR17N6D	↓	1 liter x 2	NONE	Semi-Volatiles	Method 8270 806
WQ6ADLR17N7	Ground Water	1 liter x 1	HNO3 pH<2	Metals	Method 6010 807

TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL X RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

NONHAZARD X FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB X (Please Specify)

FOR LAB USE ONLY

RECEIVED BY Glenn MedixDATE/TIME 11-19-03 12:20

WP 02-EM3001

WHITE - Original, to accompany samples

YELLOW - Field Copy

PINK - Other

SECTION V
Page 1

REQUEST FOR ANALYSIS

 11/19/03
 RFA Control No. 6475
 C of C Control No. 6475

 AF 11/19/03
 WASTE ISOLATION PILOT PLANT
 WESTINGHOUSE-ELECTRIC CORP. WRES
 P.O. BOX 2078
 CARLSBAD, NM 88221-2078

 DATE SAMPLES SHIPPED 11/19/03
 LAB DESTINATION Trace Analysis
 LABORATORY CONTACT James Taylor
 SEND LAB REPORT TO Mark Edwards
P.O. Box 2078
Carlsbad, N.M. 88221

 SAMPLING PROGRAM WIPP/DMP
 PURCHASE ORDER NO. 3230

 DATE REPORT REQUIRED 12/19/03
 PROJECT CONTACT Ron Richardson
 PROJECT CONTACT PHONE NO. (505) 234-8395

Sample Number	Sample Type	Sample Quantity	Preservative	Req't. Testing Program	Special Instructions
WQ6AALR17N70	Ground Water	1 liter x 1	HNO ₃ pH<2	Metals	Method 6010 217808
WQ6AALR17N8	↑	↑	NONE	General Chemistry	EPA 300, 310.1, 345.1, 09
WQ6AALR17N80 AF 11/19/03	↑	↑	NONE	General Chemistry	ASTM D854-93, 365.2, 10
WQ6AALR17N912	↑	↑	HNO ₃ pH<2	Metals	Method 6010 11
WQ6AALR17N120	↑	↑	HNO ₃ pH<2	Metals	Method 6010 12
WQ6AALR17N13	↓	↓	NONE	Metals	Method 6010 13
WQ6AALR17N130	Ground Water	1 liter x 1	NONE	Metals	Method 6010 14
WA					

 TURNAROUND TIME REQUIRED: (Rush must be approved by appropriate Manager) NORMAL ☒ RUSH _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

 NONHAZARD ☒ FLAMMABLE _____ SKIN IRRITANT _____ HIGHLY TOXIC _____ BIOLOGICAL _____ OTHER _____

 SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis.) RETURN TO CLIENT _____ DISPOSAL BY LAB ☒

FOR LAB USE ONLY

 RECEIVED BY Stella Medina
2nd Carney

 DATE/TIME 11-19-03 12:20

WP 02-EM3001

WHITE - Original, to accompany samples YELLOW - Field Copy PINK - Other

 SECTION V
 Page 2

CHAIN-OF-CUSTODY RECORD



WASTE ISOLATION PILOT PLANT
WESTINGHOUSE-ELECTRIC CORP. WRES
P.O. BOX 2078
CARLSBAD, NM 88221-2078

BF 11/19/03

C of C Control No. 6474RFA Control No. 0474

SAMPLING PROGRAM WIPP/AMP
SAMPLE TEAM MEMBERS B. Foster, M. Balderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
WQ6ADLR17N1	WQSP-6A, Dewey Lake	11/19/03 06:55-07:00	Ground Water	40 ml. A-Glass x 4		
WQ6ADLR17N10		07:00-07:05		40 ml. A-Glass x 4		
WQ6ADLR17N2		07:05-07:10		40 ml. A-Glass x 2		
WQ6ADLR17N20		07:10-07:15		40 ml. A-Glass x 2		
WQ6ADLR17N3		06:25-06:30		40 ml. A-Glass x 4		
WQ6ADLR17N30		06:30-06:35		40 ml. A-Glass x 4		
WQ6ADLR17N4		07:15-07:20		500 ml. A-Glass x 1		
WQ6ADLR17N40		07:20-07:25		500 ml. A-Glass x 1		
WQ6ADLR17N5		07:25-07:30		250 ml. A-Glass x 1		
WQ6ADLR17N50		07:30-07:35		250 ml. A-Glass x 1		
WQ6ADLR17N6		07:35-07:40		1 liter A-Glass x 6		
WQ6ADLR17N60		07:40-07:45		1 liter A-Glass x 2		
WQ6ADLR17N7	WQSP-6A, Dewey Lake	11/19/03 07:45-07:50	Ground Water	1 liter plastic x 1		

Special Instructions: NONEPossible Sample Hazards: NONE

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: B. Foster, WRES, 11/19/03, 08:10Received By: Ron Richardson, WRES, 11/19/03, 08:102. Relinquished By: Ron Richardson, WRES, 11-19-03, 12:20Received By: John Medira 11-19-03 12:20Jo Carry

3. Relinquished By: _____

Received By: _____

4. Relinquished By: _____

Received By: _____

BF 4/19/03

C of C Control No. 6475
RFA Control No. 6475

SAMPLING PROGRAM WIAPP/DMP
SAMPLE TEAM MEMBERS B. Foster, M. Belderrama

LAB DESTINATION Trace Analysis
CARRIER/WAYBILL NO. NA

[illegible]

Special Instructions: NONE

Possible Sample Hazards: NONE

1. Relinquished By: Bill Fote, WRES, 11/19/23, 08:10

3. Relinquished By: _____

Received By: Ron Richardson/wrg 11/19/03, 08:10

Received By: _____

2. Relinquished By Bar Richardson, WRES, 11-19-03, 12:20

4. Relinquished By: _____

Received By: *20c Ethel Medika* 11-19-03 12:20

Received By: _____

WP 02-EM3001

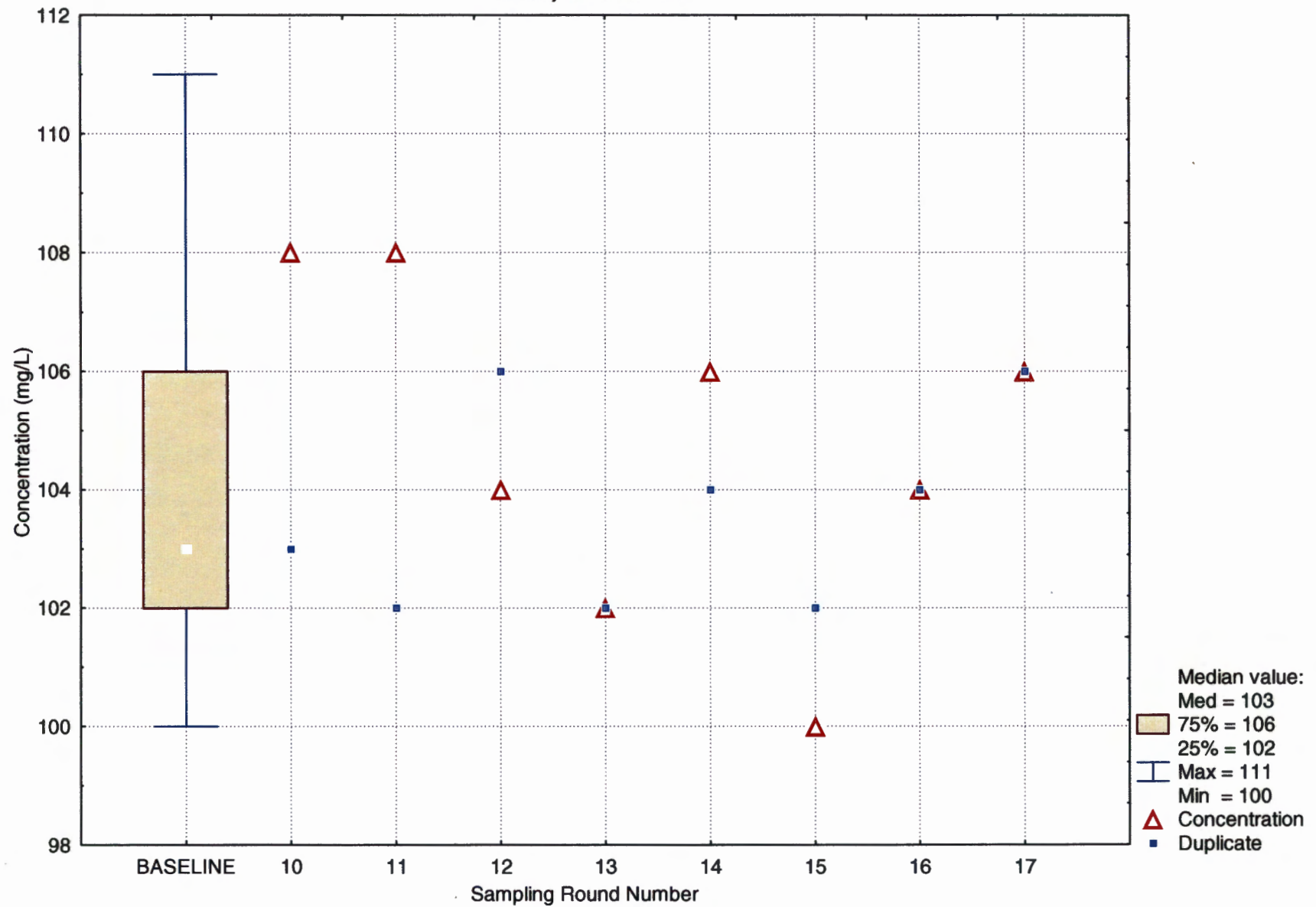
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Page 4 of 4

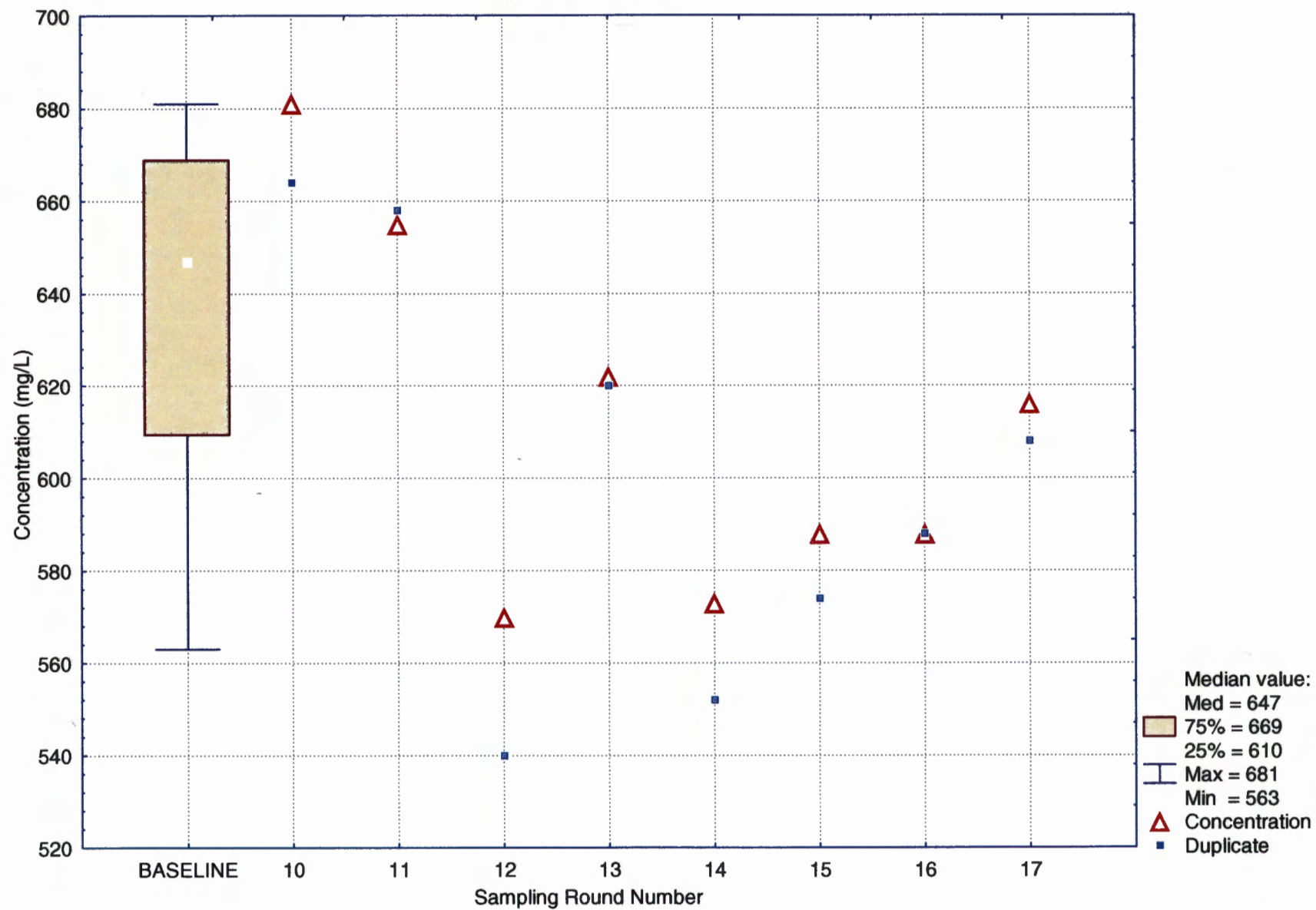
WELL WQSP-6A

**INORGANIC CHEMISTRY
(GENERAL CHEMISTRY, METALS)**

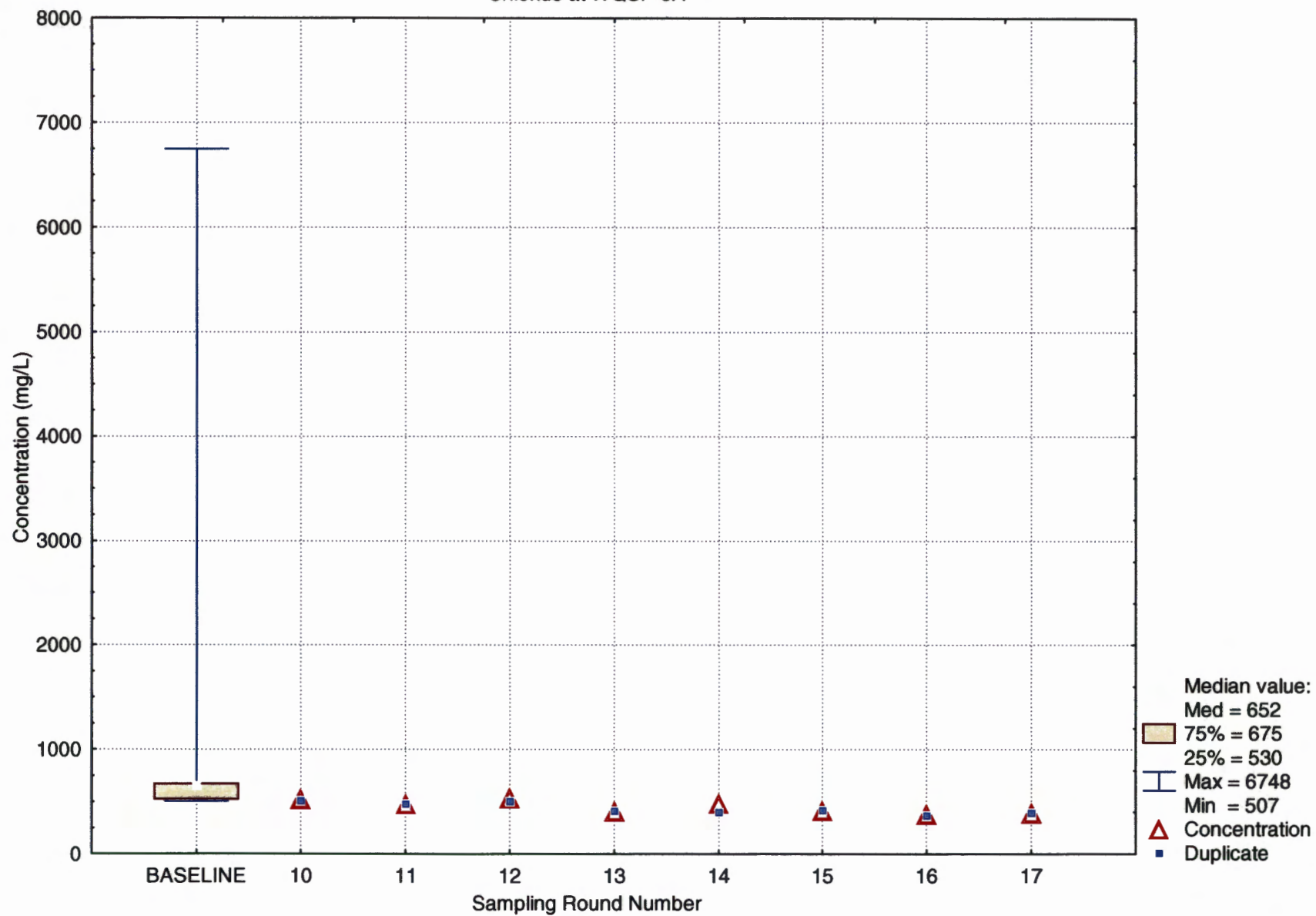
Alkalinity at WQSP-6A



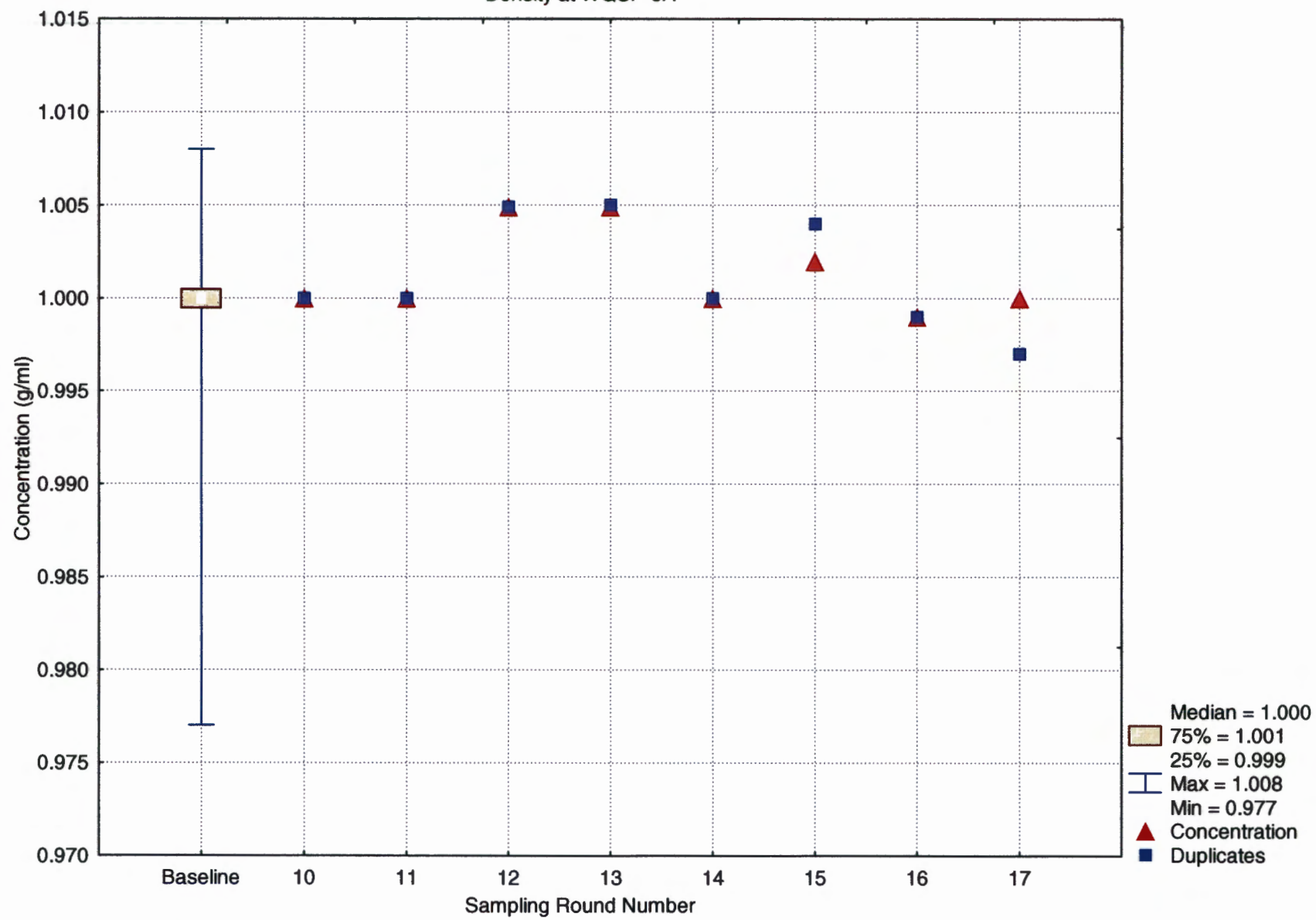
Calcium at WQSP-6A



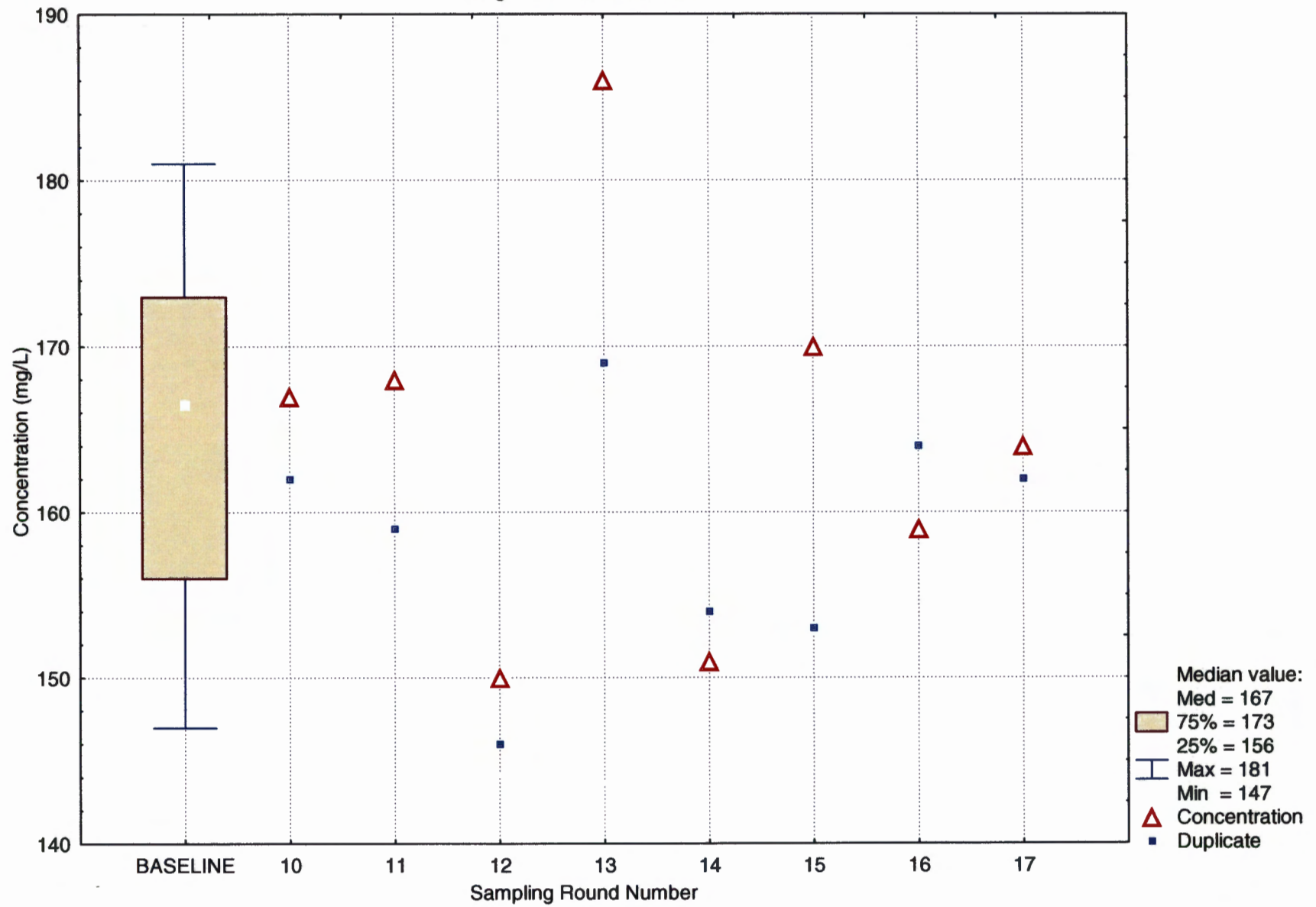
Chloride at WQSP-6A

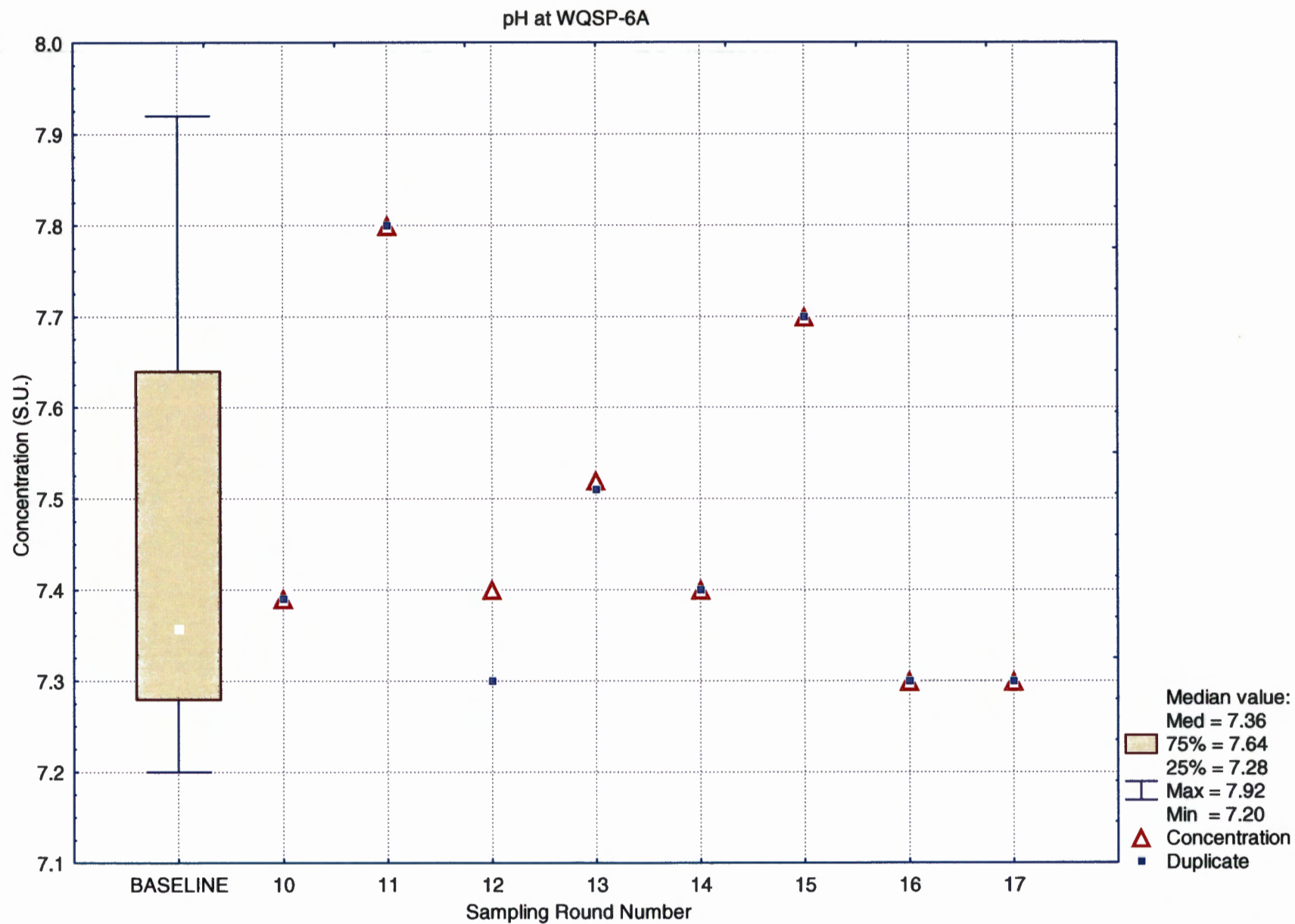


Density at WQSP-6A

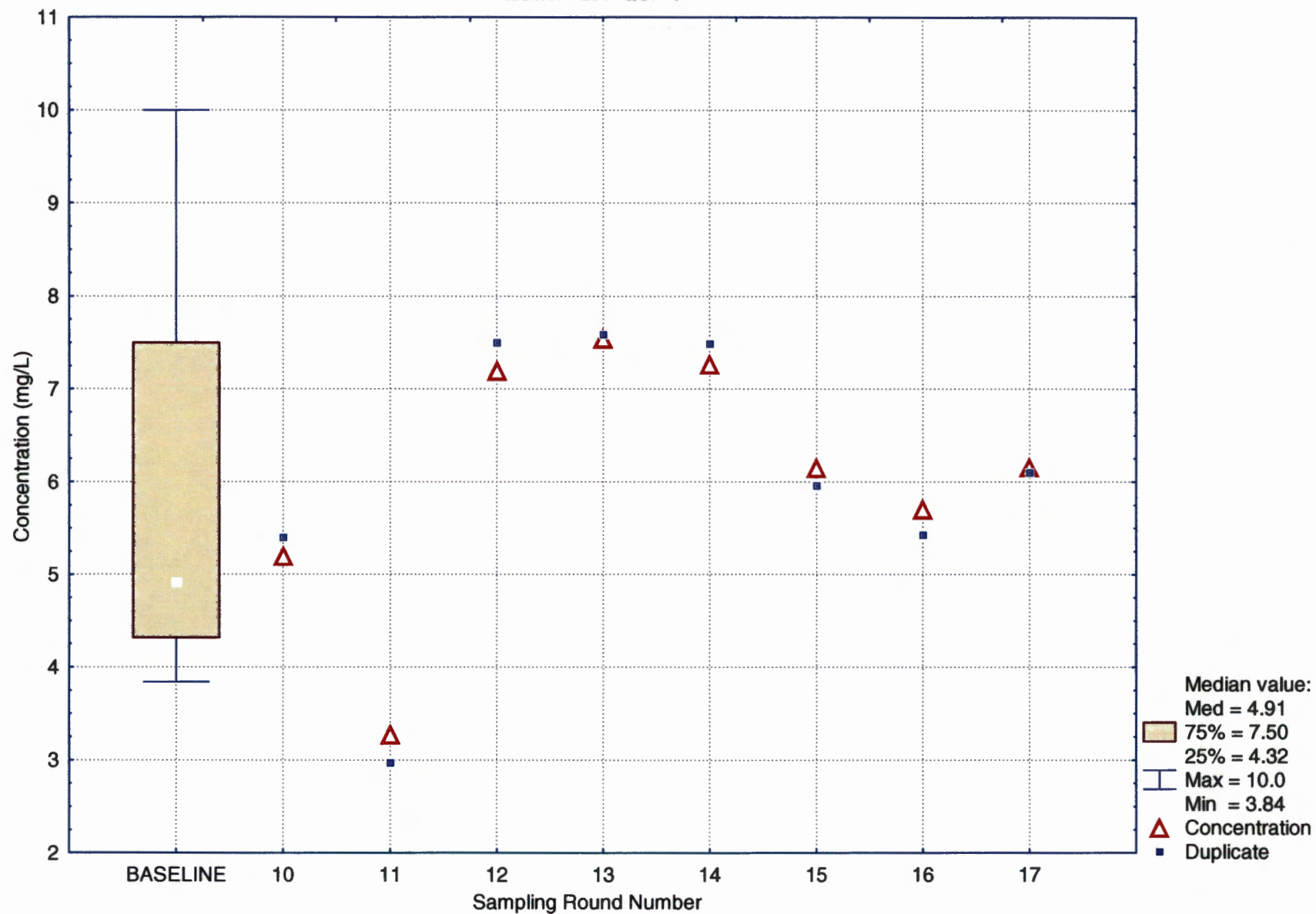


Magnesium at WQSP-6A

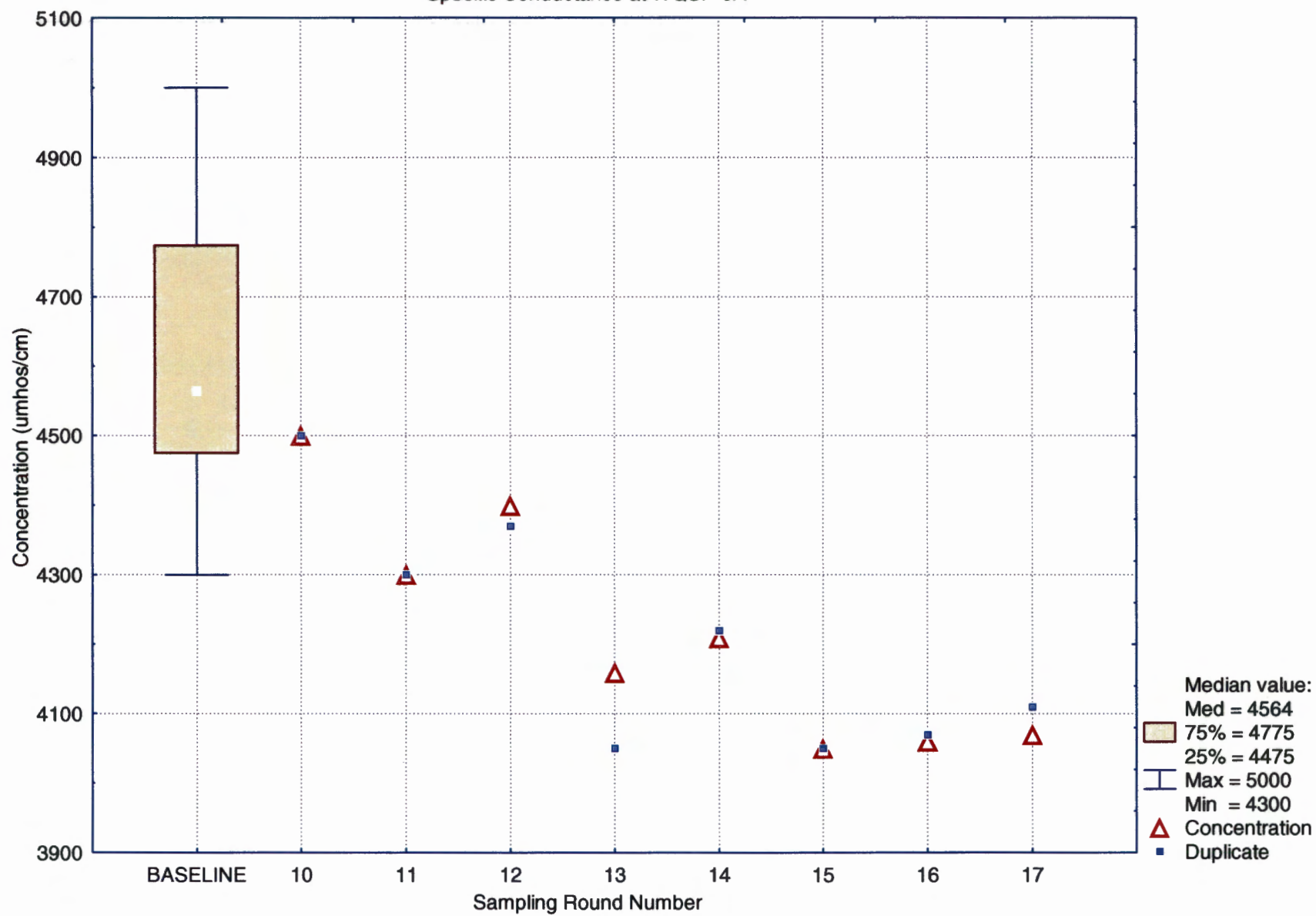




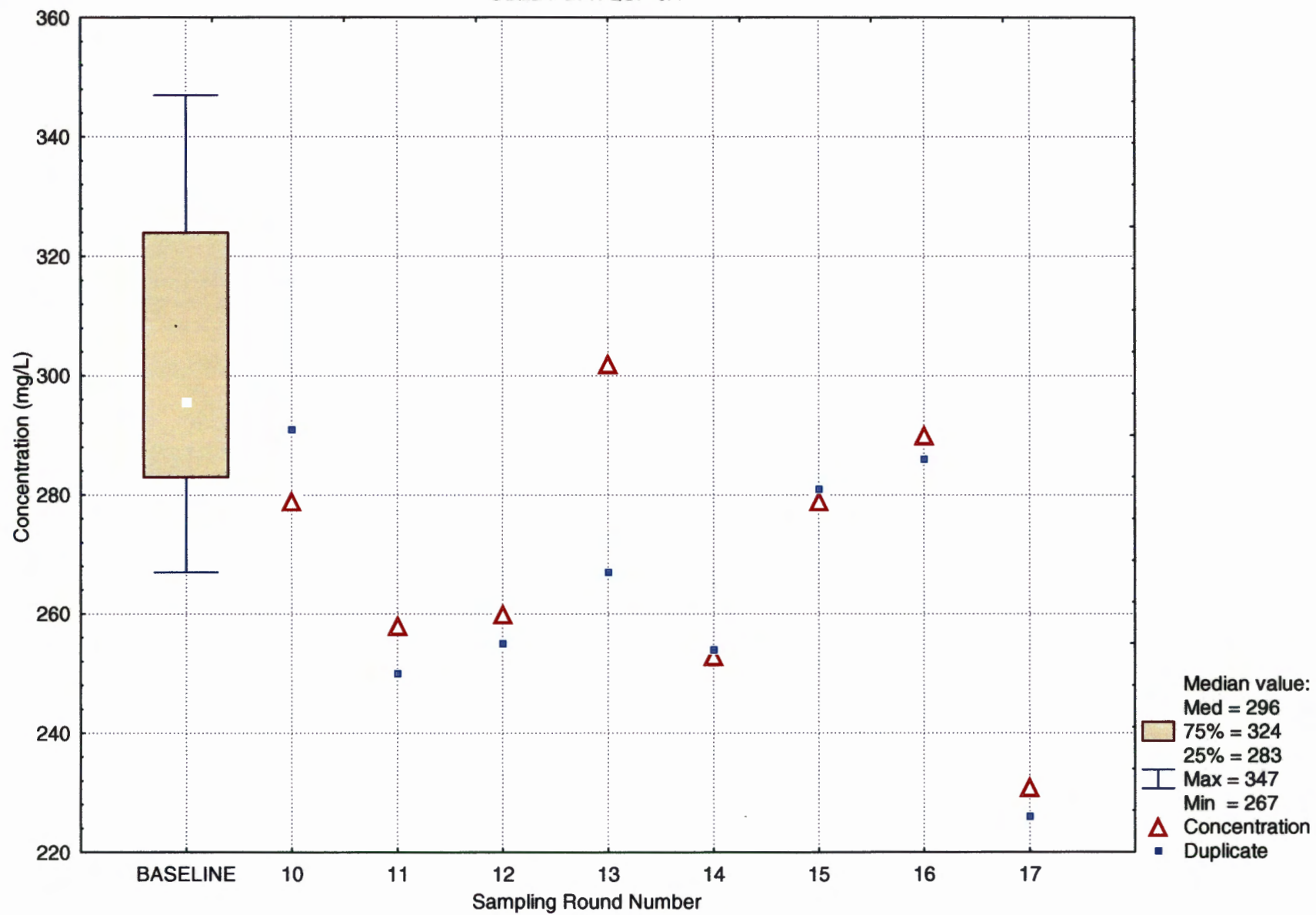
Potassium at WQSP-6A



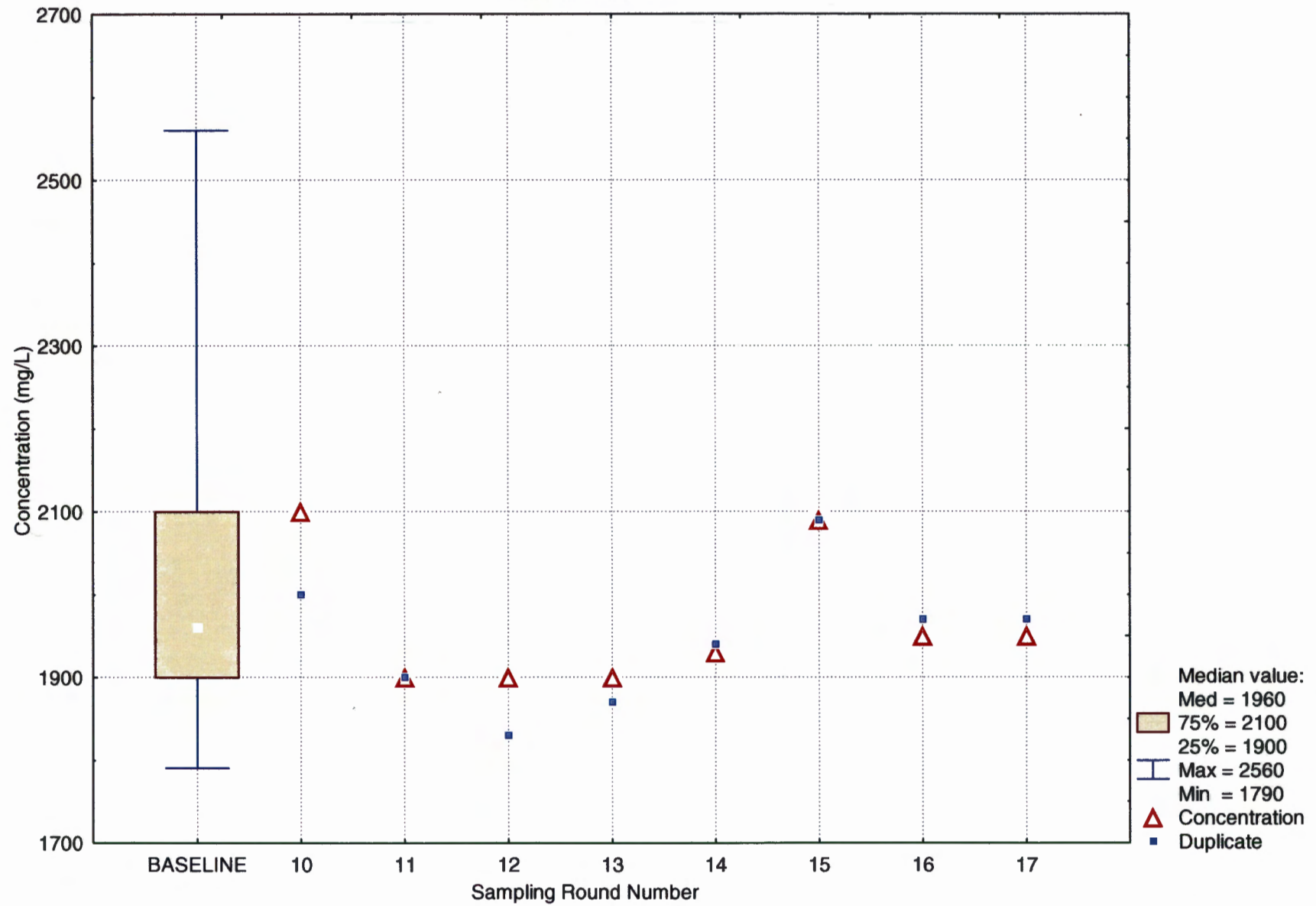
Specific Conductance at WQSP-6A



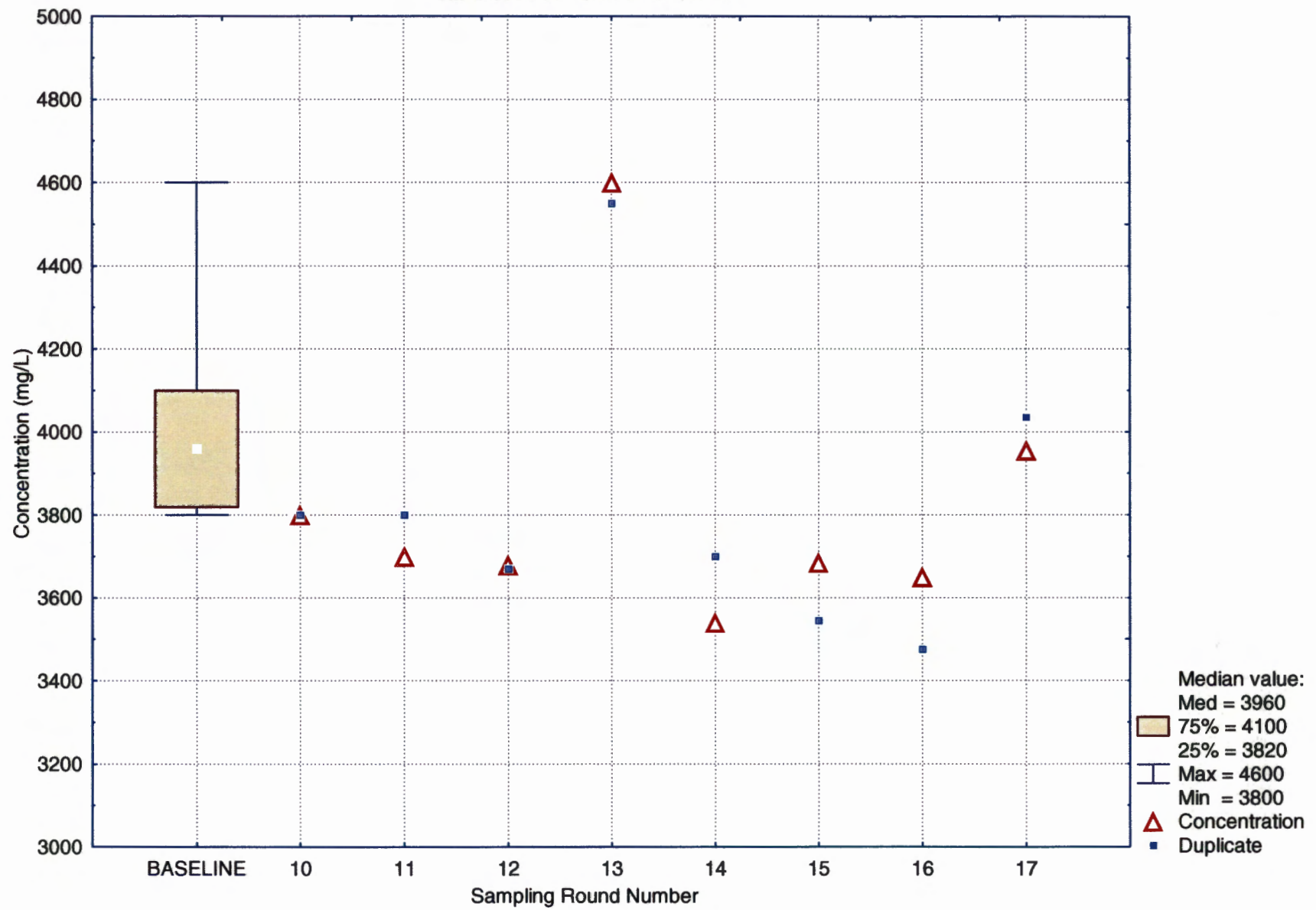
Sodium at WQSP-6A



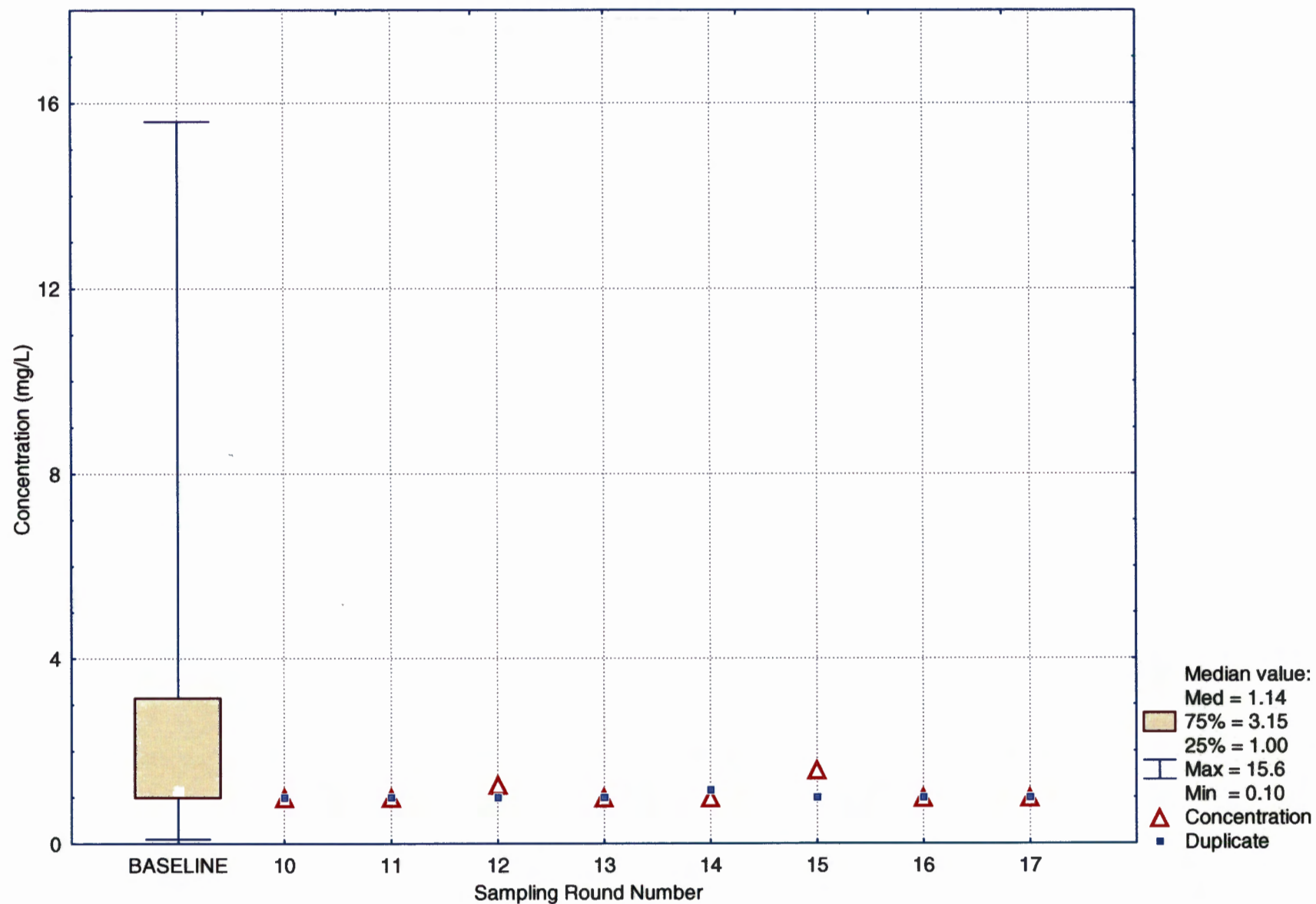
Sulfate at WQSP-6A



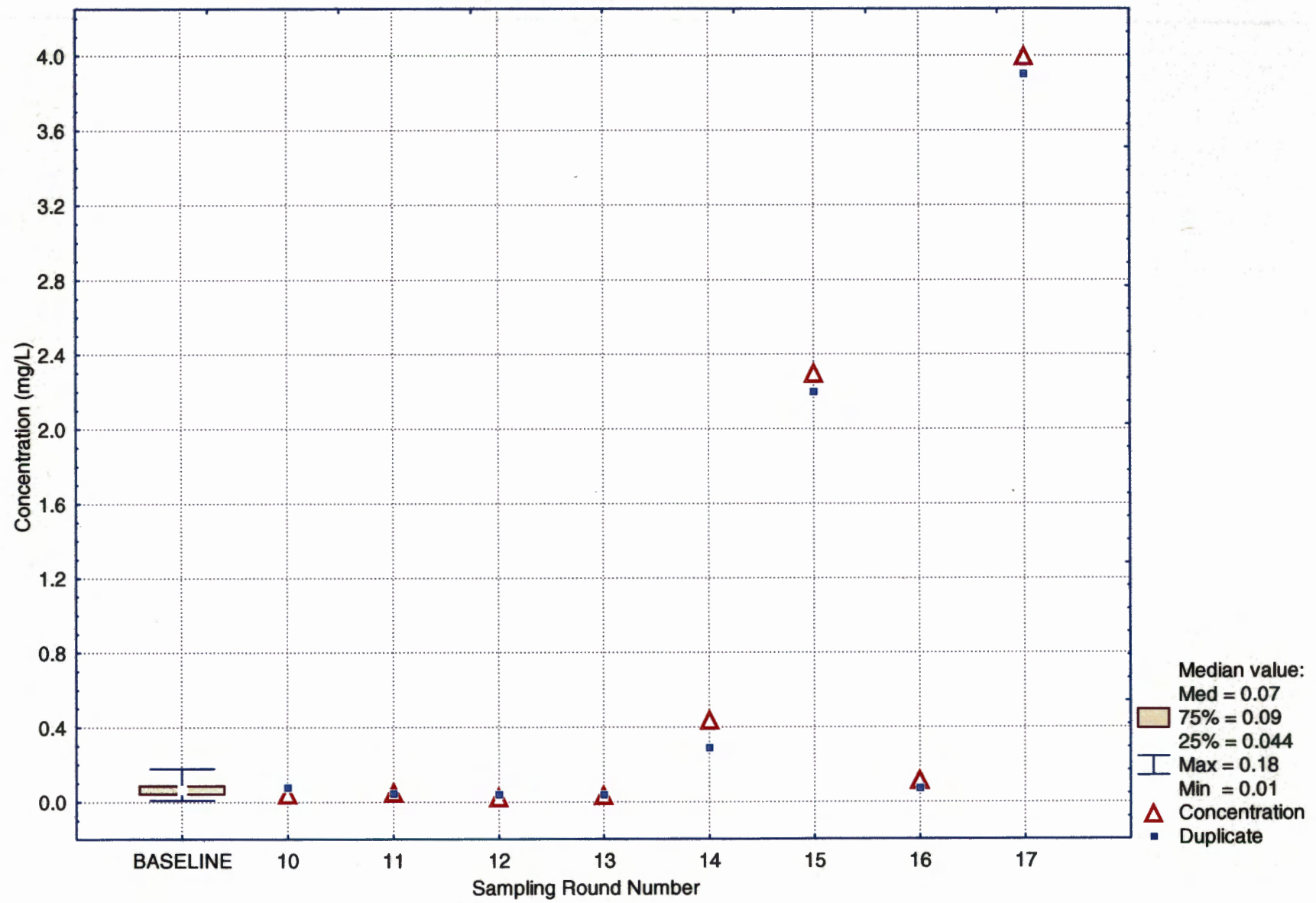
Total Dissolved Solids at WQSP-6A



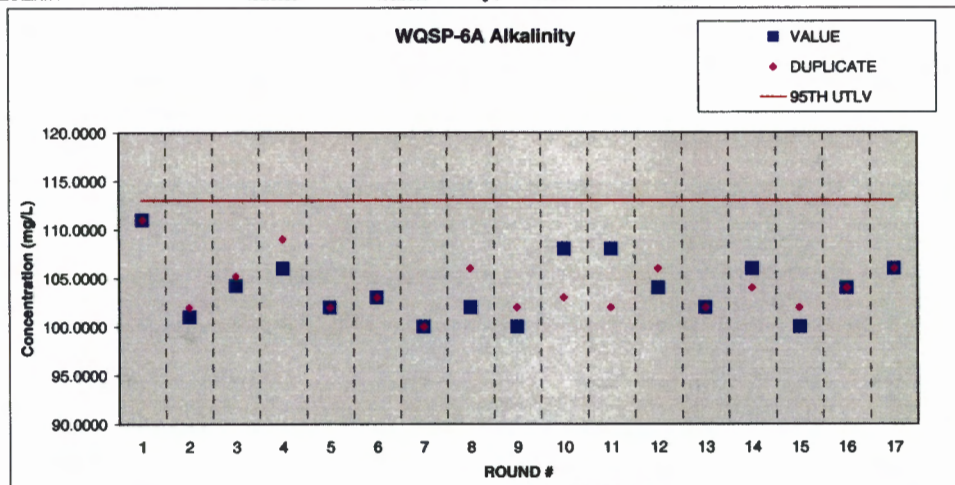
Total Organic Carbon at WQSP-6A



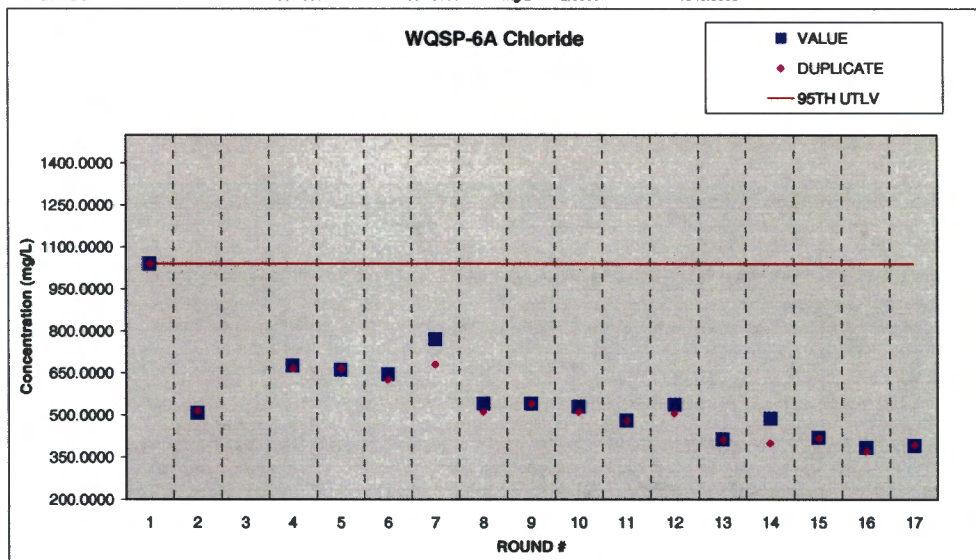
Total Organic Halogens at WQSP-6A



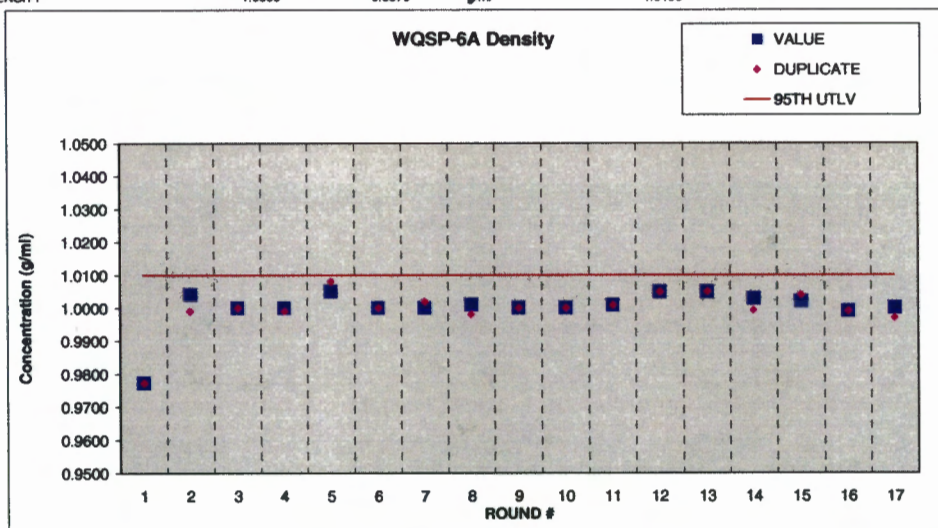
WQSP-6A Alkalinity											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
-	-	-	-	-	-	-	-	-	-	-	-
	ALKALINITY	111.0000	111.0000	mg/L	5.0000	113.0000		< 5.0000	1	07/25/96	07/13/96
	ALKALINITY	101.0000	102.0000	mg/L	5.0000	113.0000		< 5.0000	2	04/09/96	03/29/96
	ALKALINITY	104.2000	105.2000	mg/L	5.0000	113.0000		< 5.0000	3	07/25/96	07/11/96
	ALKALINITY	106.0000	109.0000	mg/L	5.0000	113.0000		< 5.0000	4	04/16/97	04/10/97
	ALKALINITY	102.0000	102.0000	mg/L	5.0000	113.0000		< 5.0000	5	07/24/97	07/10/97
	ALKALINITY	103.0000	103.0000	mg/L	5.0000	113.0000			6	08/13/98	08/10/98
	ALKALINITY	100.0000	100.0000	mg/L	5.0000	113.0000		< 5.0000	7	11/17/98	11/03/98
	ALKALINITY	102.0000	106.0000	mg/L	4.0000	113.0000		4.0000	8	05/27/99	05/26/99
	ALKALINITY	100.0000	102.0000	mg/L	4.0000	113.0000			9	11/12/99	11/10/99
	ALKALINITY	108.0000	103.0000	mg/L	6.0000	113.0000		< 6.0000	10	05/30/00	05/24/00
	ALKALINITY	108.0000	102.0000	mg/L	4.0000	113.0000			11	11/30/00	12/05/00
	ALKALINITY	104.0000	106.0000	mg/L	4.0000	113.0000			12	08/12/01	08/08/01
	ALKALINITY	102.0000	102.0000	mg/L	4.0000	113.0000			13	11/27/01	11/14/01
	ALKALINITY	106.0000	104.0000	mg/L	4.0000	113.0000			14	05/30/02	05/22/02
	ALKALINITY	100.0000	102.0000	mg/L	4.0000	113.0000			15	11/25/02	11/20/02
	ALKALINITY	104.0000	104.0000	mg/L	4.0000	113.0000			16	05/28/03	05/21/03
	ALKALINITY	106.0000	106.0000	mg/L	4.0000	113.0000			17	11/20/03	11/19/03



WQSP-6A Chloride												
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
=	=	=	=	=	=	=	=	=	=	=	=	
7782-50-5	CHLORIDE	1040.0000	1040.0000	mg/L	5.0000	1040.0000		< 5.0000	1	07/25/95	07/13/95	
7782-50-5	CHLORIDE	507.0000	515.0000	mg/L	50.0000	1040.0000		< 5.0000	2	04/10/96	03/28/96	
7782-50-5	CHLORIDE	6748.0000	6698.0000	mg/L	5.0000	1040.0000		< 5.0000	3	07/17/96	07/11/96	
7782-50-5	CHLORIDE	675.0000	665.0000	mg/L	250.0000	1040.0000		< 5.0000	4	04/14/97	04/10/97	
7782-50-5	CHLORIDE	660.0000	665.0000	mg/L	50.0000	1040.0000		< 5.0000	5	08/29/97	07/10/97	
7782-50-5	CHLORIDE	644.0000	624.0000	mg/L	0.0180	1040.0000			6	06/13/98	06/10/98	
7782-50-5	CHLORIDE	770.0000	680.0000	mg/L	0.5000	1040.0000		1.0500	7	11/05/98	11/03/98	
7782-50-5	CHLORIDE	540.0000	510.0000	mg/L	0.5000	1040.0000		< 0.5000	8	05/28/99	05/26/99	
7782-50-5	CHLORIDE	540.0000	540.0000	mg/L	0.5000	1040.0000		< 0.5000	9	11/11/99	11/10/99	
7782-50-5	CHLORIDE	530.0000	510.0000	mg/L	0.5000	1040.0000		< 0.5000	10	05/24/00	05/24/00	
7782-50-5	CHLORIDE	480.0000	480.0000	mg/L	0.5000	1040.0000			11	11/30/00	11/30/00	
7782-50-5	CHLORIDE	536.0000	505.0000	mg/L	0.5000	1040.0000			12	06/07/01	06/06/01	
7782-50-5	CHLORIDE	414.0000	411.0000	mg/L	2.0000	1040.0000			13	11/27/01	11/14/01	
7782-50-5	CHLORIDE	487.0000	400.0000	mg/L	2.0000	1040.0000			14	05/23/02	05/22/02	
7782-50-5	CHLORIDE	419.0000	417.0000	mg/L	2.0000	1040.0000			15	11/20/02	11/20/02	
7782-50-5	CHLORIDE	384.0000	370.0000	mg/L	2.0000	1040.0000			16	05/21/03	05/21/03	
7782-50-5	CHLORIDE	391.0000	394.0000	mg/L	2.0000	1040.0000			17	11/19/03	11/19/03	

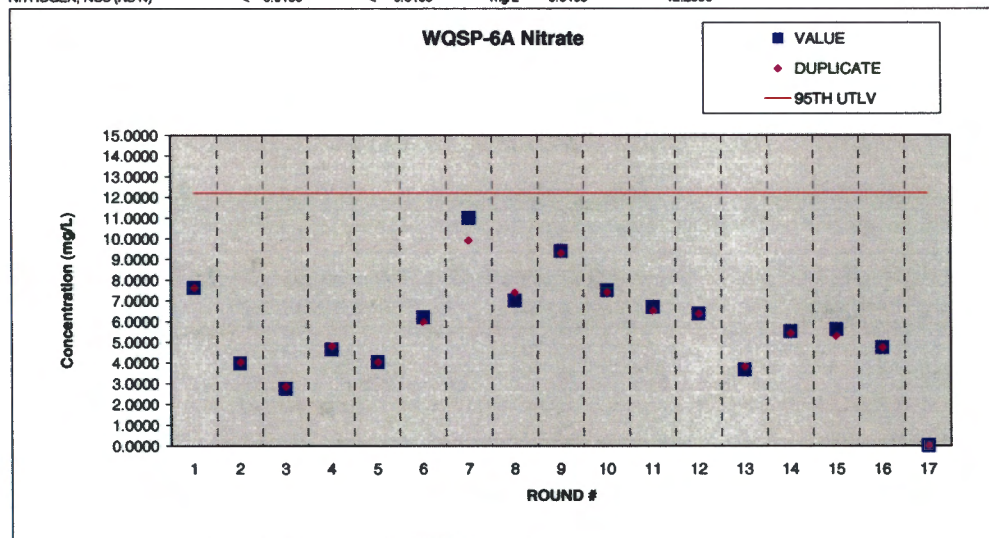


		WQSP-6A Density									
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	DENSITY	0.9772	0.9772	g/ml	0.0000	1.0100			1	07/21/96	07/13/96
	DENSITY	1.0040	0.9980	g/mL	0.0000	1.0100			2	04/18/98	03/28/98
	DENSITY	1.0000	1.0000	g/mL	0.0000	1.0100			3	07/25/98	07/11/98
	DENSITY	1.0000	0.9990	g/mL	0.0000	1.0100			4	04/18/97	04/10/97
	DENSITY	1.0050	1.0080	g/mL	0.0000	1.0100			5	09/02/97	07/10/97
	DENSITY	1.0000	1.0000	g/ml		1.0100			6	08/13/98	08/10/98
	DENSITY	1.0000	1.0020	g/mL	---	1.0100		1.0080	7	11/24/98	11/03/98
	DENSITY	1.0010	0.9980	g/ml		1.0100		0.9930	8	05/28/99	05/26/99
	DENSITY	1.0000	1.0000	g/ml		1.0100			9	11/18/99	11/10/99
	DENSITY	1.0000	1.0000	g/ml		1.0100			10	05/30/00	05/24/00
	DENSITY	1.0008	1.0008	g/ml		1.0100			11	12/05/00	11/30/00
	DENSITY	1.0048	1.0048	g/ml		1.0100			12	08/12/01	08/08/01
	DENSITY	1.0048	1.0050	g/ml		1.0100			13	12/04/01	11/14/01
	DENSITY	1.0028	0.9993	g/ml		1.0100			14	05/23/02	05/22/02
	DENSITY	1.0020	1.0040	g/ml		1.0100			15	11/20/02	11/20/02
	DENSITY	0.9980	0.9990	g/ml		1.0100			16	05/22/03	05/21/03
	DENSITY	1.0000	0.9970	g/ml		1.0100			17	11/20/03	11/19/03



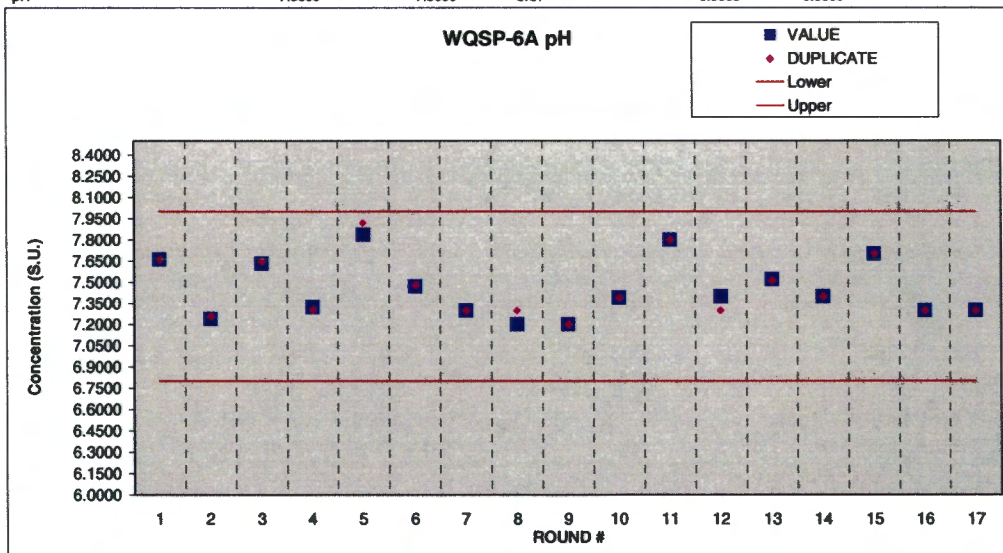
WQSP-6A Nitrate

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7727-37-9	NITROGEN, NO3 (AS N)	7.6200	7.6200	mg/L	0.1000	12.2000		< 0.1000	1	07/24/95	07/13/95
7727-37-9	NITROGEN, NO3 (AS N)	3.9800	4.0300	mg/L	0.2000	12.2000		< 0.1000	2	04/11/96	03/28/96
7727-37-9	NITROGEN, NO3 (AS N)	2.7500	2.8600	mg/L	0.2000	12.2000		< 0.1000	3	07/25/96	07/11/96
7727-37-9	NITROGEN, NO3 (AS N)	4.6400	4.8100	mg/L	1.0000	12.2000		< 0.1000	4	04/18/97	04/10/97
7727-37-9	NITROGEN, NO3 (AS N)	4.0400	4.0400	mg/L	0.2000	12.2000		< 0.1000	5	07/24/97	07/10/97
7727-37-9	NITROGEN, NO3 (AS N)	6.1900	5.9800	mg/L	0.0040	12.2000			6	08/13/98	08/10/98
7727-37-9	NITROGEN, NO3 (AS N)	11.0000	9.9000	mg/L	0.2000	12.2000		< 0.2000	7	11/05/98	11/03/98
7727-37-9	NITROGEN, NO3 (AS N)	7.0000	7.4000	mg/L	0.2000	12.2000		< 0.2000	8	05/28/99	05/26/99
7727-37-9	NITROGEN, NO3 (AS N)	9.4000	9.3000	mg/L	0.2000	12.2000		< 0.2000	9	11/11/99	11/10/99
7727-37-9	NITROGEN, NO3 (AS N)	7.5000	7.4000	mg/L	0.2000	12.2000		< 0.2000	10	05/25/00	05/24/00
7727-37-9	NITROGEN, NO3 (AS N)	6.7000	6.5000	mg/L	2.0000	12.2000			11	11/30/00	11/30/00
7727-37-9	NITROGEN, NO3 (AS N)	6.3700	6.3700	mg/L	0.1000	12.2000			12	06/07/01	06/06/01
7727-37-9	NITROGEN, NO3 (AS N)	3.6700	3.6200	mg/L	0.1000	12.2000			13	11/21/01	11/14/01
7727-37-9	NITROGEN, NO3 (AS N)	5.5200	5.4200	mg/L	0.1000	12.2000			14	05/31/02	05/22/02
7727-37-9	NITROGEN, NO3 (AS N)	5.6100	5.2800	mg/L	0.1000	12.2000			15	11/22/02	11/20/02
7727-37-9	NITROGEN, NO3 (AS N)	4.7400	4.7400	mg/L	0.1000	12.2000			16	05/22/03	05/21/03
7727-37-9	NITROGEN, NO3 (AS N)	< 0.0100	< 0.0100	mg/L	0.0100	12.2000			17	11/19/03	11/19/03



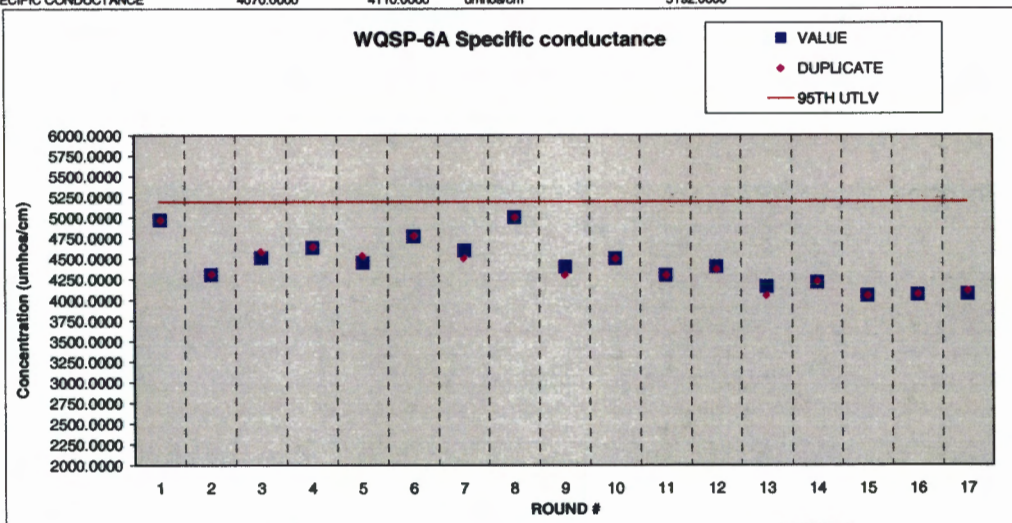
WQSP-6A pH

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV Lower	Upper	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	pH	7.6600	7.6600	S.U.	0.0000	6.8000	8.0000		0.0000	1	07/14/95	07/13/95
	pH	7.2400	7.2600	S.U.	0.0000	6.8000	8.0000		0.0000	2	03/29/96	03/28/96
	pH	7.6300	7.6500	S.U.	0.0000	6.8000	8.0000		0.0000	3	07/12/96	07/11/96
	pH	7.3250	7.3050	S.U.	0.0000	6.8000	8.0000		0.0000	4	04/11/97	04/10/97
	pH	7.8350	7.8200	S.U.	0.0000	6.8000	8.0000		0.0000	5	07/11/97	07/10/97
	pH	7.4700	7.4800	S.U.		6.8000	8.0000			6	06/11/98	06/10/98
	pH	7.3000	7.3000	S.U.	—	6.8000	8.0000			7	11/03/98	11/03/98
	pH	7.2000	7.3000	S.U.		6.8000	8.0000			8	05/26/99	05/26/99
	pH	7.2000	7.2000	S.U.		6.8000	8.0000			9	11/10/99	11/10/99
	pH	7.3900	7.3900	S.U.		6.8000	8.0000			10	05/24/00	05/24/00
	pH	7.8000	7.8000	S.U.		6.8000	8.0000			11	11/30/00	11/30/00
	pH	7.4000	7.3000	S.U.		6.8000	8.0000			12	06/06/01	06/06/01
	pH	7.5200	7.5100	S.U.		6.8000	8.0000			13	11/14/01	11/14/01
	pH	7.4000	7.4000	S.U.		6.8000	8.0000			14	05/22/02	05/22/02
	pH	7.7000	7.7000	S.U.		6.8000	8.0000			15	11/20/02	11/20/02
	pH	7.3000	7.3000	S.U.		6.8000	8.0000			16	05/21/03	05/21/03
	pH	7.3000	7.3000	S.U.		6.8000	8.0000			17	11/20/03	11/19/03

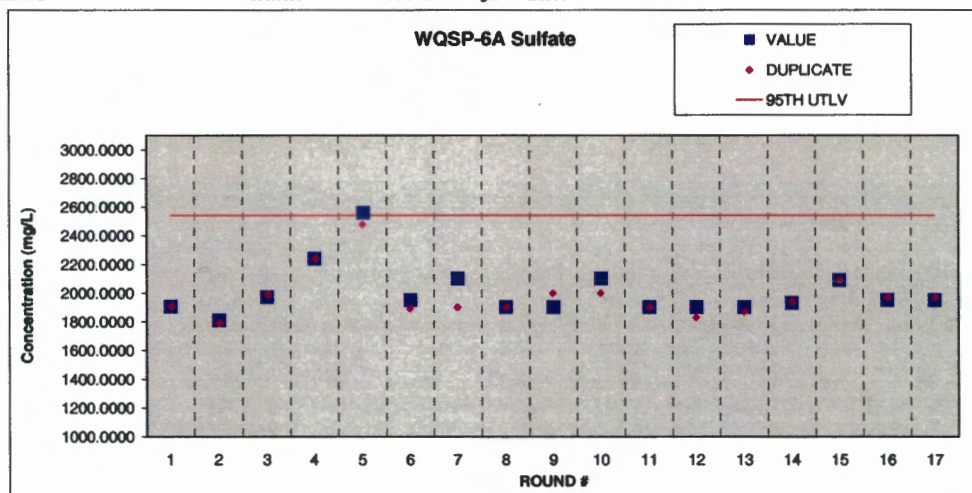


WQSP-6A Specific conductance

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	SPECIFIC CONDUCTANCE	4988.0000	4988.0000	umhos/cm	3.0000	5192.0000			1	07/22/95	07/13/95
	SPECIFIC CONDUCTANCE	4306.0000	4316.0000	umhos/cm	3.0000	5192.0000			2	04/18/96	03/28/96
	SPECIFIC CONDUCTANCE	4512.8000	4588.9000	umhos/cm	3.0000	5192.0000			3	07/17/96	07/11/96
	SPECIFIC CONDUCTANCE	4634.0000	4646.0000	umhos/cm	3.0000	5192.0000			4	04/22/97	04/10/97
	SPECIFIC CONDUCTANCE	4450.0000	4540.0000	umhos/cm	3.0000	5192.0000			5	08/29/97	07/10/97
	SPECIFIC CONDUCTANCE	4770.0000	4779.0000	umhos/cm		5192.0000			6	06/13/98	06/10/98
	SPECIFIC CONDUCTANCE	4800.0000	4500.0000	umhos/cm	---	5192.0000		10.1000	7	11/13/98	11/03/98
	SPECIFIC CONDUCTANCE	5000.0000	5000.0000	umhos/cm		5192.0000		16.0000	8	05/27/99	05/28/99
	SPECIFIC CONDUCTANCE	4400.0000	4300.0000	umhos/cm		5192.0000			9	11/10/99	11/10/99
	SPECIFIC CONDUCTANCE	4500.0000	4500.0000	umhos/cm		5192.0000			10	05/30/00	05/24/00
	SPECIFIC CONDUCTANCE	4300.0000	4300.0000	umhos/cm		5192.0000			11	12/01/00	11/30/00
	SPECIFIC CONDUCTANCE	4400.0000	4370.0000	umhos/cm		5192.0000			12	06/12/01	06/06/01
	SPECIFIC CONDUCTANCE	4160.0000	4050.0000	umhos/cm		5192.0000			13	12/11/01	11/14/01
	SPECIFIC CONDUCTANCE	4210.0000	4220.0000	umhos/cm		5192.0000			14	05/29/02	05/22/02
	SPECIFIC CONDUCTANCE	4050.0000	4050.0000	umhos/cm		5192.0000			15	11/27/02	11/20/02
	SPECIFIC CONDUCTANCE	4060.0000	4070.0000	umhos/cm		5192.0000			16	05/21/03	05/21/03
	SPECIFIC CONDUCTANCE	4070.0000	4110.0000	umhos/cm		5192.0000			17	11/21/03	11/19/03

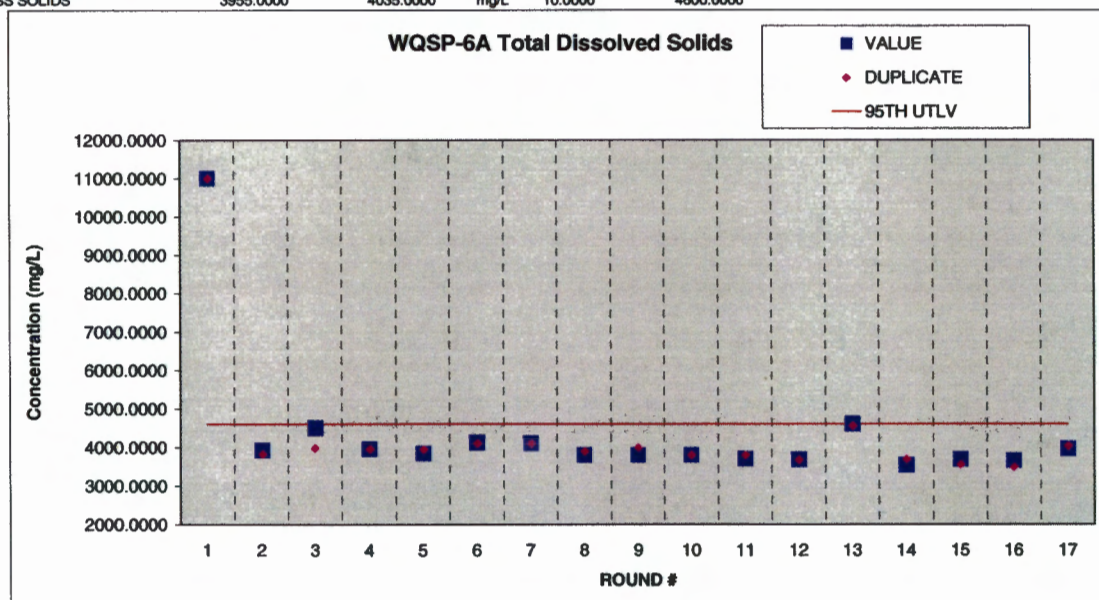


WQSP-6A Sulfate											
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
	SULFATE	1905.0000	1905.0000	mg/L	10.0000	2543.0000		< 10.0000	1	07/22/95	07/13/95
	SULFATE	1810.0000	1790.0000	mg/L	10.0000	2543.0000		< 10.0000	2	04/15/96	03/28/96
	SULFATE	1970.5000	1969.5000	mg/L	10.0000	2543.0000		< 10.0000	3	07/22/96	07/11/96
	SULFATE	2240.0000	2240.0000	mg/L	10.0000	2543.0000		< 10.0000	4	04/15/97	04/10/97
	SULFATE	2560.0000	2480.0000	mg/L	10.0000	2543.0000		< 10.0000	5	09/03/97	07/10/97
	SULFATE	1950.0000	1890.0000	mg/L	0.0400	2543.0000			6	06/13/98	06/10/98
	SULFATE	2100.0000	1900.0000	mg/L	0.5000	2543.0000		< 5.0000	7	11/05/98	11/03/98
	SULFATE	1900.0000	1900.0000	mg/L	0.5000	2543.0000		< 0.5000	8	05/28/99	05/26/99
	SULFATE	1900.0000	2000.0000	mg/L	0.5000	2543.0000		< 0.5000	9	11/11/99	11/10/99
	SULFATE	2100.0000	2000.0000	mg/L	0.5000	2543.0000		< 0.5000	10	05/24/00	05/24/00
	SULFATE	1900.0000	1900.0000	mg/L	0.5000	2543.0000			11	11/30/00	11/30/00
	SULFATE	1900.0000	1830.0000	mg/L	0.5000	2543.0000			12	06/07/01	06/06/01
	SULFATE	1900.0000	1870.0000	mg/L	2.0000	2543.0000			13	11/27/01	11/14/01
	SULFATE	1930.0000	1940.0000	mg/L	2.0000	2543.0000			14	05/23/02	05/22/02
	SULFATE	2090.0000	2090.0000	mg/L	2.0000	2543.0000			15	11/20/02	11/20/02
	SULFATE	1950.0000	1970.0000	mg/L	2.0000	2543.0000			16	05/21/03	05/21/03
	SULFATE	1950.0000	1970.0000	mg/L	2.0000	2543.0000			17	11/20/03	11/19/03



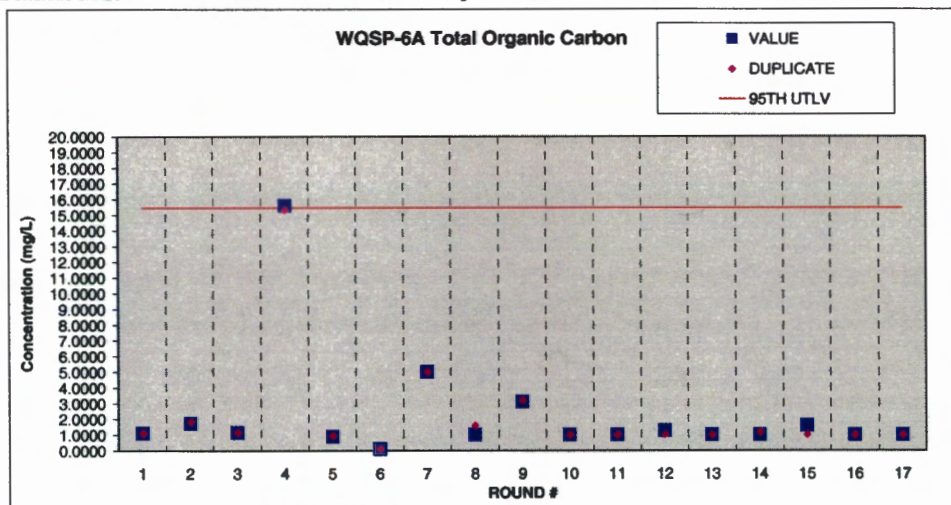
WQSP-6A Total Dissolved Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL DISS SOLIDS	11000.0000	11000.0000	mg/L	10.0000	4600.0000		< 10.0000	1	07/19/95	07/13/95
	TOTAL DISS SOLIDS	3920.0000	3820.0000	mg/L	200.0000	4600.0000		< 10.0000	2	04/08/96	03/28/96
	TOTAL DISS SOLIDS	4500.0000	3980.0000	mg/L	200.0000	4600.0000		< 10.0000	3	07/17/96	07/11/96
	TOTAL DISS SOLIDS	3960.0000	3960.0000	mg/L	10.0000	4600.0000		< 10.0000	4	04/16/97	04/10/97
	TOTAL DISS SOLIDS	3840.0000	3950.0000	mg/L	200.0000	4600.0000		< 10.0000	5	07/17/97	07/10/97
	TOTAL DISS SOLIDS	4120.0000	4100.0000	mg/L	20.0000	4600.0000			6	06/13/98	06/10/98
	TOTAL DISS SOLIDS	4100.0000	4100.0000	mg/L	10.0000	4600.0000		10.0000	7	11/10/98	11/03/98
	TOTAL DISS SOLIDS	3900.0000	3900.0000	mg/L	10.0000	4600.0000		10.0000	8	05/27/99	05/26/99
	TOTAL DISS SOLIDS	3800.0000	4000.0000	mg/L	10.0000	4600.0000		10.0000	9	11/15/99	11/10/99
	TOTAL DISS SOLIDS	3800.0000	3800.0000	mg/L	10.0000	4600.0000		10.0000	10	05/31/00	05/24/00
	TOTAL DISS SOLIDS	3700.0000	3800.0000	mg/L	10.0000	4600.0000			11	12/04/00	11/30/00
	TOTAL DISS SOLIDS	3680.0000	3670.0000	mg/L	10.0000	4600.0000			12	06/12/01	06/06/01
	TOTAL DISS SOLIDS	4600.0000	4550.0000	mg/L	10.0000	4600.0000			13	11/20/01	11/14/01
	TOTAL DISS SOLIDS	3540.0000	3700.0000	mg/L	10.0000	4600.0000			14	05/29/02	05/22/02
	TOTAL DISS SOLIDS	3685.0000	3545.0000	mg/L	10.0000	4600.0000			15	11/25/02	11/20/02
	TOTAL DISS SOLIDS	3650.0000	3475.0000	mg/L	10.0000	4600.0000			16	05/27/03	05/21/03
	TOTAL DISS SOLIDS	3955.0000	4035.0000	mg/L	10.0000	4600.0000			17	11/21/03	11/19/03



WQSP-6A Total Organic Carbon

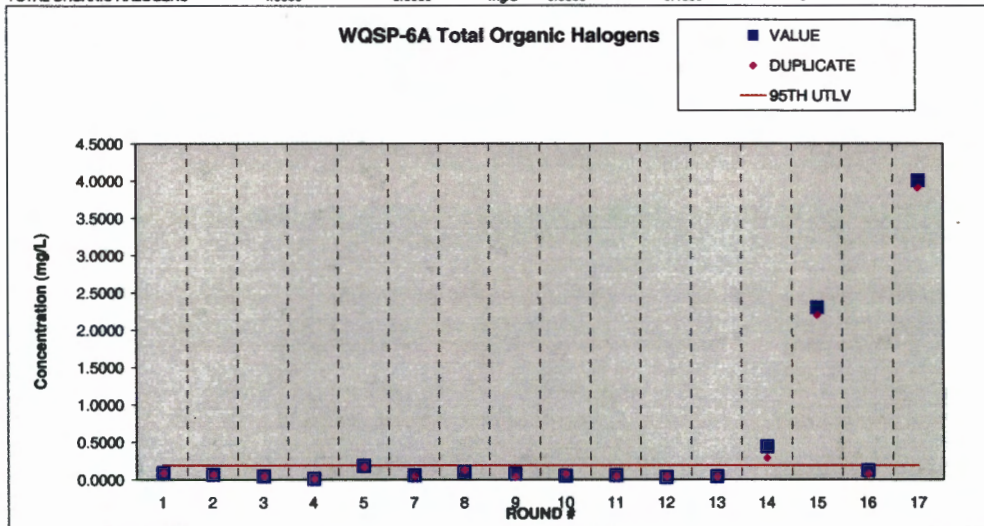
CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC CARBON	1.1000	1.1000	mg/L	0.5000	15.4500		< 0.5000	1	08/29/96	07/13/96
	TOTAL ORGANIC CARBON	1.7300	1.8300	mg/L	0.5000	15.4500		< 0.5000	2	04/02/96	03/28/96
	TOTAL ORGANIC CARBON	1.1400	1.1500	mg/L	0.5000	15.4500		< 0.5000	3	07/17/96	07/11/96
	TOTAL ORGANIC CARBON	15.8000	15.3000	mg/L	5.0000	15.4500		< 0.5000	4	04/11/97	04/10/97
	TOTAL ORGANIC CARBON	0.8855	0.9480	mg/L	0.5000	15.4500		< 0.5000	5	07/23/97	07/10/97
	TOTAL ORGANIC CARBON	< 0.1000	< 0.1000	mg/L		15.4500			6	06/13/98	06/10/98
	TOTAL ORGANIC CARBON	< 5.0000	< 5.0000	mg/L	5.0000	15.4500		< 5.0000	7	11/11/98	11/03/98
	TOTAL ORGANIC CARBON	< 1.0000	1.6000	mg/L	1.0000	15.4500		< 1.0000	8	06/14/99	05/26/99
	TOTAL ORGANIC CARBON	3.1000	3.2000	mg/L		15.4500			9	12/01/99	11/10/99
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L		15.4500		< 1.0000	10	05/30/00	05/24/00
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	15.4500			11	02/04/00	11/30/00
	TOTAL ORGANIC CARBON	1.2800	< 1.0000	mg/L	1.0000	15.4500			12	08/11/01	08/06/01
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	15.4500			13	11/28/01	11/14/01
	TOTAL ORGANIC CARBON	< 1.0000	1.1800	mg/L	1.0000	15.4500			14	06/03/02	05/22/02
	TOTAL ORGANIC CARBON	1.5900	< 1.0000	mg/L	1.0000	15.4500			15	11/28/02	11/20/02
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	15.4500			16	05/21/03	05/21/03
	TOTAL ORGANIC CARBON	< 1.0000	< 1.0000	mg/L	1.0000	15.4500			17	12/03/03	11/19/03



WQSP-6A Total Organic Halogens

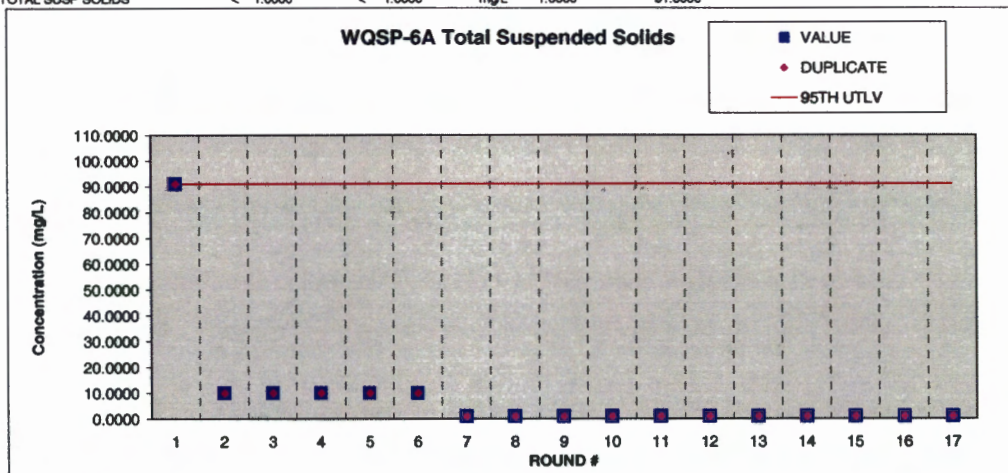
Baseline WQSP-6A Total Organic Halogens

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL ORGANIC HALOGENS	0.0680	0.0680	mg/L	0.0100	0.1900	< 0.0100	0.0100	1	08/02/95	07/13/96
	TOTAL ORGANIC HALOGENS	0.0685	0.0680	mg/L	0.0100	0.1900	< 0.0154	0.0154	2	04/02/96	03/28/96
	TOTAL ORGANIC HALOGENS	0.0443	0.0440	mg/L	0.0100	0.1900	< 0.0100	0.0100	3	07/17/96	07/11/96
	TOTAL ORGANIC HALOGENS	< 0.0100	< 0.0100	mg/L	0.0100	0.1900	< 0.0100	0.0100	4	04/14/97	04/10/97
	TOTAL ORGANIC HALOGENS	0.1814	0.1831	mg/L	0.0100	0.1900	< 0.0114	0.0114	5	07/25/97	07/10/97
	TOTAL ORGANIC HALOGENS	0.0540	0.0430	mg/L	0.0100	0.1900			7	11/06/98	11/03/98
	TOTAL ORGANIC HALOGENS	0.1000	0.1300	mg/L		0.1900			8	06/06/99	05/28/99
	TOTAL ORGANIC HALOGENS	0.0780	0.0340	mg/L		0.1900			9	11/29/99	11/10/99
	TOTAL ORGANIC HALOGENS	0.0480	0.0780	mg/L		0.1900			10	05/30/00	05/24/00
	TOTAL ORGANIC HALOGENS	0.0540	0.0440	mg/L		0.1900			11	12/12/00	11/30/00
	TOTAL ORGANIC HALOGENS	0.0280	0.0410	mg/L		0.1900			12	08/18/01	06/06/01
	TOTAL ORGANIC HALOGENS	0.0380	0.0380	mg/L	0.0050	0.1900			13	12/05/01	11/14/01
	TOTAL ORGANIC HALOGENS	0.4400	0.2900	mg/L	0.0050	0.1900			14	05/29/02	05/22/02
	TOTAL ORGANIC HALOGENS	2.3000	2.2000	mg/L	0.0050	0.1900			15	12/03/02	11/20/02
	TOTAL ORGANIC HALOGENS	0.1200	0.0730	mg/L	0.0050	0.1900			16	06/09/03	05/21/03
	TOTAL ORGANIC HALOGENS	4.0000	3.9000	mg/L	0.0050	0.1900			17	12/11/03	11/19/03

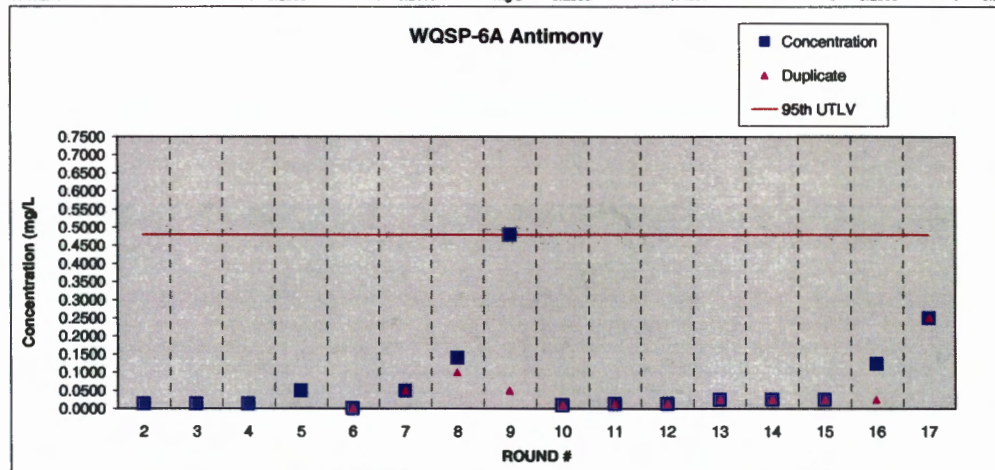


WQSP-6A Total Suspended Solids

CAS #	PARAMETER	VALUE	VALUE DUPLICATE	UNITS	MINIMUM DETECTION LIMIT	95TH UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
	TOTAL SUSP SOLIDS	91.0000	91.0000	mg/L	10.0000	91.0000		< 10.0000	1	07/18/95	07/13/95
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	91.0000		< 10.0000	2	04/03/96	03/28/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	91.0000		< 10.0000	3	07/17/96	07/11/96
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	91.0000		< 10.0000	4	04/18/97	04/10/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	91.0000		< 10.0000	5	07/17/97	07/10/97
	TOTAL SUSP SOLIDS	< 10.0000	< 10.0000	mg/L	10.0000	91.0000			6	06/13/98	06/10/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000		< 1.0000	7	11/24/98	11/03/98
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000		< 1.0000	8	06/01/99	05/26/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000		< 1.0000	9	11/11/99	11/10/99
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000		< 1.0000	10	05/31/00	05/24/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			11	12/08/00	11/30/00
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			12	06/14/01	06/06/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			13	11/23/01	11/14/01
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			14	05/27/02	05/22/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			15	11/22/02	11/20/02
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			16	05/29/03	05/21/03
	TOTAL SUSP SOLIDS	< 1.0000	< 1.0000	mg/L	1.0000	91.0000			17	11/24/03	11/19/03

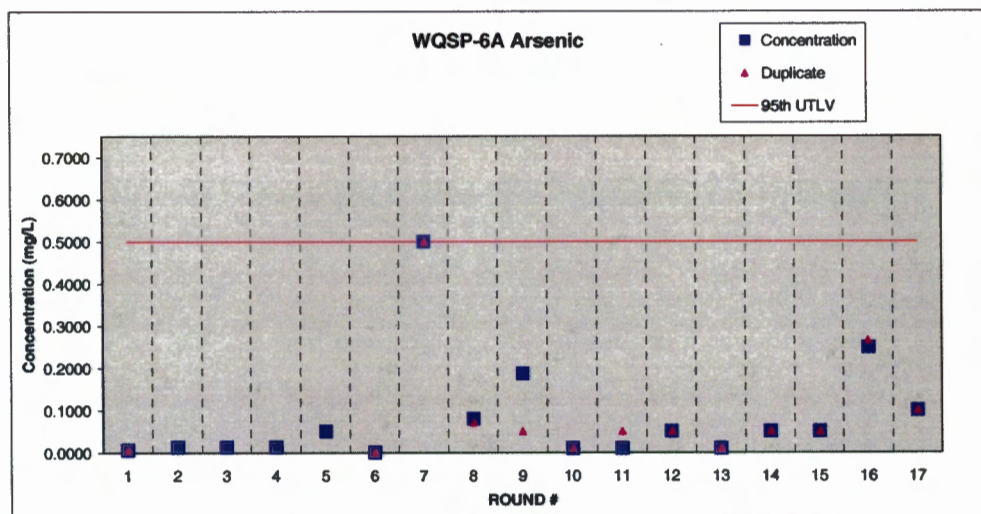


WQSP-6A Antimony											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.4800	< 0.0050		2	11/19/96	10/31/96
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.4800	< 0.0050		3	07/30/96	07/11/96
7440-36-0	ANTIMONY	< 0.0130		mg/L	0.0130	0.4800	< 0.0050		4	04/17/97	04/10/97
7440-36-0	ANTIMONY	< 0.0500		mg/L	0.0500	0.4800	< 0.0050		5	07/17/97	07/10/97
7440-36-0	ANTIMONY	< 0.0010	< 0.0010	mg/L	0.0010	0.4800		< 0.0010	6	06/15/98	06/10/98
7440-36-0	ANTIMONY	< 0.0500	< 0.0500	mg/L	0.0500	0.4800		< 0.0500	7	12/08/98	11/03/98
7440-36-0	ANTIMONY	0.1400	0.1000	mg/L	0.0500	0.4800		< 0.0500	8	05/29/99	05/26/99
7440-36-0	ANTIMONY	0.4800	< 0.0500	mg/L	0.0500	0.4800		< 0.0500	9	12/10/99	11/10/99
7440-36-0	ANTIMONY	< 0.0100	< 0.0100	mg/L	0.0100	0.4800		< 0.0100	10	06/20/00	05/24/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.4800		< 0.0130	11	12/12/00	11/30/00
7440-36-0	ANTIMONY	< 0.0130	< 0.0130	mg/L	0.0130	0.4800		< 0.0130	12	07/08/01	06/08/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0130	0.4800		< 0.0250	13	11/30/01	11/14/01
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.4800		< 0.0250	14	05/24/02	05/22/02
7440-36-0	ANTIMONY	< 0.0250	< 0.0250	mg/L	0.0250	0.4800	< 0.0250	< 0.0250	15	12/28/02	11/20/02
7440-36-0	ANTIMONY	< 0.1240	< 0.0250	mg/L	0.0250	0.4800	< 0.0250	0.2440	16	06/03/03	05/21/03
7440-36-0	ANTIMONY	< 0.2500	< 0.2500	mg/L	0.2500	0.4800	< 0.2500	< 0.2500	17	11/26/03	11/19/03

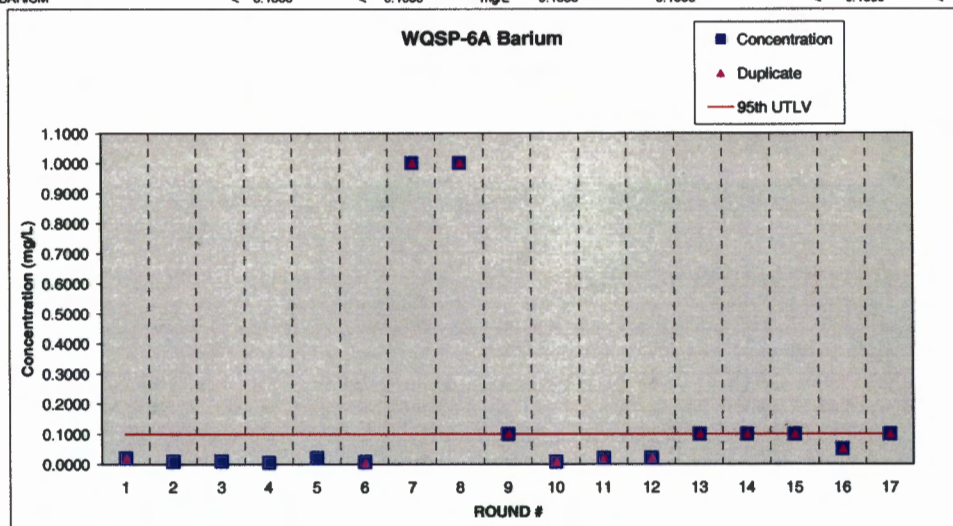


WQSP-6A Arsenic

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-38-2	ARSENIC	< 0.0080	< 0.0080	mg/L	0.0080	0.5000	< 0.0030	< 0.0030	1	08/10/95	07/13/95
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	11/19/96	11/01/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/30/96	07/11/96
7440-38-2	ARSENIC	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	04/17/97	04/10/97
7440-38-2	ARSENIC	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	07/17/97	07/10/97
7440-38-2	ARSENIC	< 0.0010	< 0.0010	mg/L	0.0010	0.5000		< 0.0010	6	08/15/98	08/10/98
7440-38-2	ARSENIC	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.0500	7	12/07/98	11/03/98
7440-38-2	ARSENIC	0.0800	0.0700	mg/L	0.0500	0.5000		< 0.0500	8	05/29/99	05/26/99
7440-38-2	ARSENIC	0.1870	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	12/10/99	11/10/99
7440-38-2	ARSENIC	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	10	08/20/00	05/24/00
7440-38-2	ARSENIC	0.0100	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	11	12/12/00	11/30/00
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	12	07/08/01	06/08/01
7440-38-2	ARSENIC	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	13	11/28/01	11/14/01
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	14	05/24/02	05/22/02
7440-38-2	ARSENIC	< 0.0500	< 0.0500	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	15	12/28/02	11/20/02
7440-38-2	ARSENIC	< 0.2480	< 0.2880	mg/L	0.0100	0.5000	0.4380	< 0.0500	16	09/03/03	05/21/03
7440-38-2	ARSENIC	< 0.1000	< 0.1000	mg/L	0.1000	0.5000	< 0.1000	< 0.1000	17	11/28/03	11/19/03

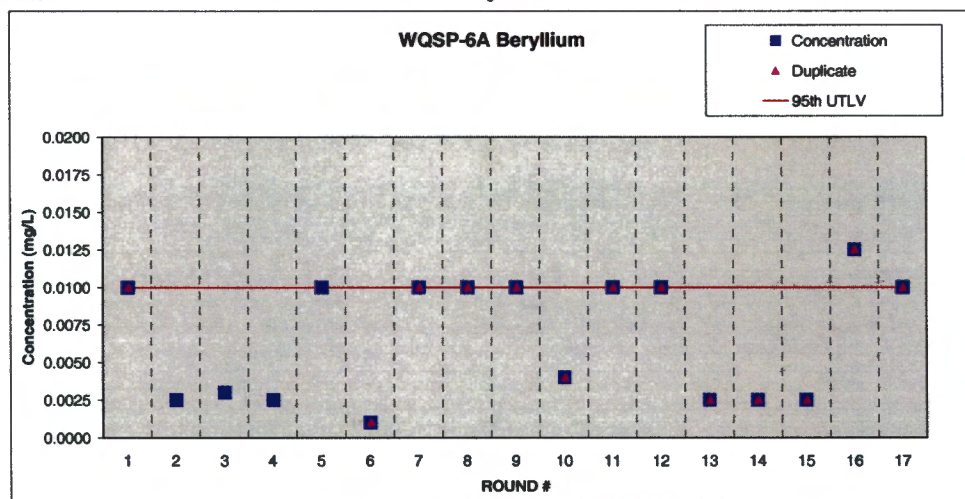


WQSP-6A Barium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.1000	< 0.0040	< 0.0040	1	07/18/95	07/13/95
7440-39-3	BARIUM	0.0090		mg/L	0.0050	0.1000	< 0.0020		2	11/19/96	11/02/96
7440-39-3	BARIUM	0.0100		mg/L	0.0050	0.1000	< 0.0020		3	07/30/96	07/11/96
7440-39-3	BARIUM	< 0.0050		mg/L	0.0050	0.1000	< 0.0020		4	04/17/97	04/10/97
7440-39-3	BARIUM	< 0.0200		mg/L	0.0200	0.1000	< 0.0020		5	07/17/97	07/10/97
7440-39-3	BARIUM	0.0070	< 0.0040	mg/L	0.0040	0.1000		< 0.0040	6	06/15/98	06/10/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	0.1000		< 1.0000	7	12/07/98	11/03/98
7440-39-3	BARIUM	< 1.0000	< 1.0000	mg/L	1.0000	0.1000		< 1.0000	8	05/29/99	05/26/99
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	9	12/10/99	11/10/99
7440-39-3	BARIUM	< 0.0080	< 0.0080	mg/L	0.1000	0.1000		< 0.0080	10	09/20/00	05/24/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.1000		< 0.0200	11	12/12/00	11/30/00
7440-39-3	BARIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.1000		< 0.0200	12	07/09/01	06/06/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.0200	0.1000		< 0.1000	13	11/29/01	11/14/01
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000		< 0.1000	14	05/24/02	05/22/02
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000	< 0.1000	< 0.1000	15	12/28/02	11/20/02
7440-39-3	BARIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.1000	< 0.0500	< 0.0500	16	06/03/03	05/21/03
7440-39-3	BARIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.1000	< 0.1000	< 0.1000	17	11/28/03	11/19/03



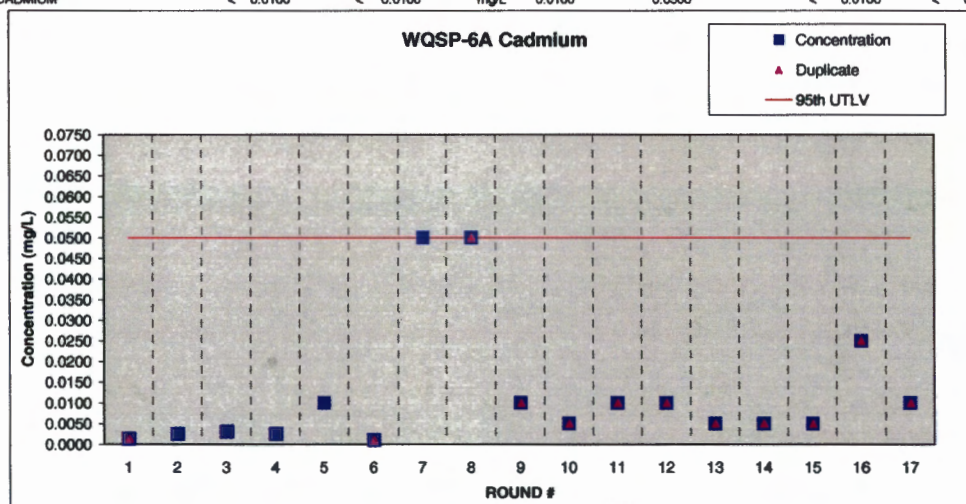
WQSP-6A Beryllium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100	< 0.0020	< 0.0020	1	07/18/95	07/13/95
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0100	< 0.0010		2	11/18/96	11/03/96
7440-41-7	BERYLLIUM	< 0.0030		mg/L	0.0030	0.0100	< 0.0010		3	07/30/96	07/11/96
7440-41-7	BERYLLIUM	< 0.0025		mg/L	0.0025	0.0100	< 0.0010		4	04/17/97	04/10/97
7440-41-7	BERYLLIUM	< 0.0100		mg/L	0.0100	0.0100	< 0.0010		5	07/17/97	07/10/97
7440-41-7	BERYLLIUM	< 0.0010	< 0.0010	mg/L	0.0010	0.0100		< 0.0010	6	06/15/98	06/10/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100		< 0.0010	7	12/07/98	11/03/98
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100		< 0.0100	8	05/29/99	05/26/99
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100		< 0.0100	9	12/10/99	11/10/99
7440-41-7	BERYLLIUM	< 0.0040	< 0.0040	mg/L	0.0100	0.0100		< 0.0040	10	06/20/00	05/24/00
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100		< 0.0100	11	12/12/00	11/30/01
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100		< 0.0100	12	07/08/01	06/06/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0100	0.0100		< 0.0025	13	11/29/01	11/14/01
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0100		< 0.0025	14	05/24/02	05/22/02
7440-41-7	BERYLLIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.0100	< 0.0025	< 0.0025	15	12/26/02	11/20/02
7440-41-7	BERYLLIUM	< 0.0125	< 0.0125	mg/L	0.0125	0.0100	< 0.0125	< 0.0125	16	08/03/03	05/21/03
7440-41-7	BERYLLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0100	< 0.0100	< 0.0100	17	11/26/03	11/19/03



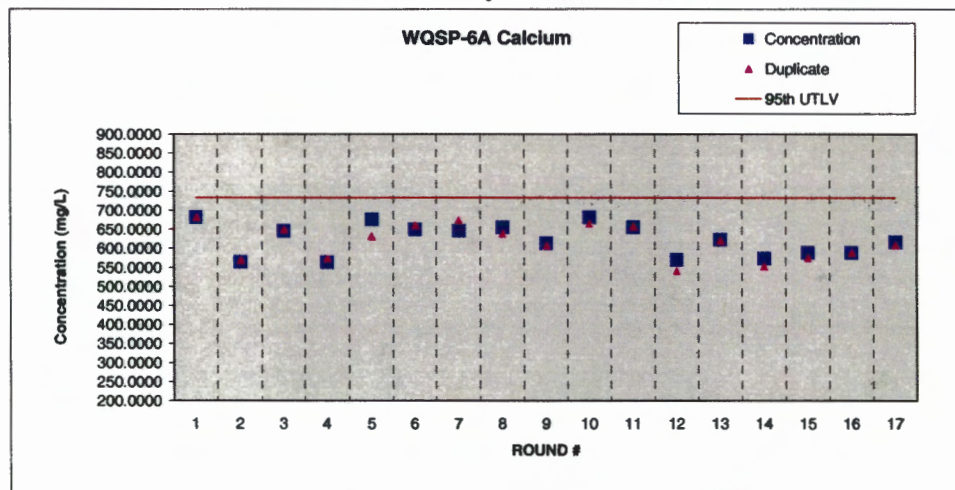
WQSP-6A Cadmium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-43-9	CADMIUM	< 0.0013	< 0.0013	mg/L	0.0013	0.0500	0.0013	0.0013	1	07/29/95	07/13/95
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		2	11/19/96	11/04/96
7440-43-9	CADMIUM	< 0.0030		mg/L	0.0030	0.0500	< 0.0010		3	07/30/96	07/11/96
7440-43-9	CADMIUM	< 0.0025		mg/L	0.0025	0.0500	< 0.0010		4	04/17/97	04/10/97
7440-43-9	CADMIUM	< 0.0100		mg/L	0.0100	0.0500	< 0.0010		5	07/17/97	07/10/97
7440-43-9	CADMIUM	< 0.0010	< 0.0010	mg/L	0.0010	0.0500		< 0.0010	6	06/15/98	06/10/98
7440-43-9	CADMIUM	< 0.0500	< 0.5000	mg/L	0.0500	0.0500		< 0.0050	7	12/07/98	11/03/98
7440-43-9	CADMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0500	8	05/29/99	05/26/99
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	9	12/10/99	11/10/99
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0100	0.0500		< 0.0050	10	06/20/00	05/24/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	11	12/12/00	11/30/00
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	12	07/06/01	06/06/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0100	0.0500		< 0.0050	13	11/29/01	11/14/01
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500		< 0.0050	14	05/24/02	05/22/02
7440-43-9	CADMIUM	< 0.0050	< 0.0050	mg/L	0.0050	0.0500	< 0.0050	< 0.0050	15	12/26/02	11/20/02
7440-43-9	CADMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.0500	< 0.0250	< 0.0250	16	06/03/03	05/21/03
7440-43-9	CADMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0500	< 0.0100	< 0.0100	17	11/28/03	11/19/03



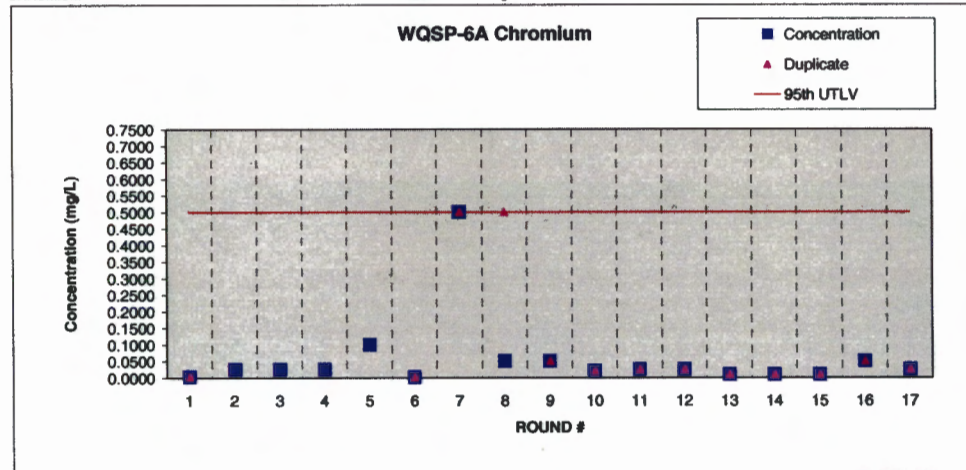
WQSP-6A Calcium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-70-2	CALCIUM	681.0000	681.0000	mg/L	0.8000	733.0000	< 0.2000	< 0.2000	1	07/18/96	07/13/96
7440-70-2	CALCIUM	564.0000	568.0000	mg/L	0.5000	733.0000	< 0.2000	< 0.2000	2	04/05/96	03/28/96
7440-70-2	CALCIUM	645.0000	648.0000	mg/L	2.0000	733.0000	< 0.2000	< 0.2000	3	07/30/96	07/11/96
7440-70-2	CALCIUM	583.0000	573.0000	mg/L	0.5000	733.0000	< 0.2000	< 0.2000	4	04/17/97	04/10/97
7440-70-2	CALCIUM	675.0000	631.0000	mg/L	2.0000	733.0000	< 0.2000	< 0.2000	5	07/17/97	07/10/97
7440-70-2	CALCIUM	648.0000	661.0000	mg/L	0.0110	733.0000		0.0280	6	08/15/98	08/10/98
7440-70-2	CALCIUM	648.0000	674.0000	mg/L	0.5000	733.0000		0.5000	7	12/15/98	11/03/98
7440-70-2	CALCIUM	654.0000	637.0000	mg/L	1.0000	733.0000		1.0000	8	05/29/99	05/26/99
7440-70-2	CALCIUM	613.0000	606.0000	mg/L	0.5000	733.0000		0.5000	9	12/10/99	11/10/99
7440-70-2	CALCIUM	681.0000	684.0000	mg/L	0.5000	733.0000		0.5000	10	08/20/00	05/24/00
7440-70-2	CALCIUM	655.0000	658.0000	mg/L	5.0000	733.0000		1.8000	11	12/11/00	11/30/00
7440-70-2	CALCIUM	570.0000	540.0000	mg/L	0.5000	733.0000		0.5000	12	08/25/01	08/08/01
7440-70-2	CALCIUM	622.0000	620.0000	mg/L	0.5000	733.0000		0.5000	13	02/13/02	11/14/01
7440-70-2	CALCIUM	573.0000	552.0000	mg/L	0.5000	733.0000		0.5000	14	08/05/02	05/22/02
7440-70-2	CALCIUM	588.0000	574.0000	mg/L	0.5000	733.0000	< 0.5000	< 0.5000	15	12/10/02	11/20/02
7440-70-2	CALCIUM	588.0000	588.0000	mg/L	0.5000	733.0000	< 0.5000	< 0.5000	16	08/08/03	05/21/03
7440-70-2	CALCIUM	616.0000	608.0000	mg/L	0.5000	733.0000	< 0.5000	< 0.5000	17	11/24/03	11/19/03

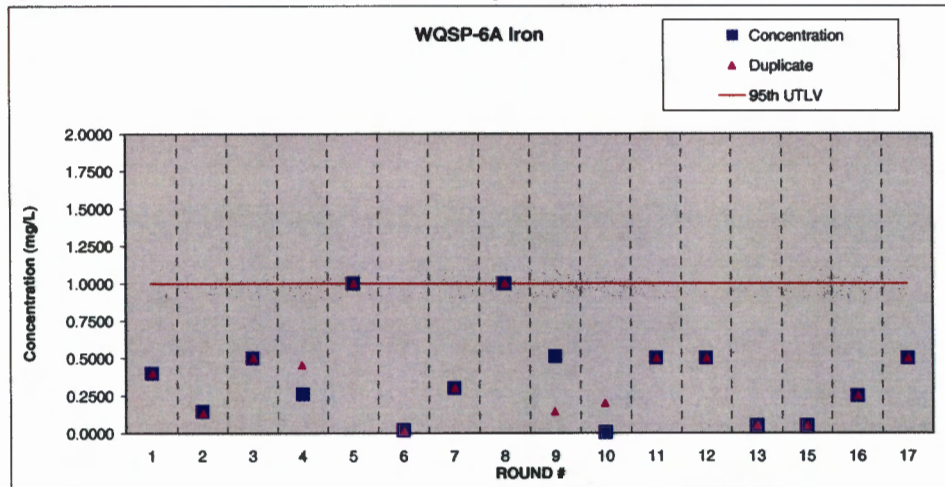


WQSP-6A Chromium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-47-3	CHROMIUM	< 0.0025	< 0.0025	mg/L	0.0025	0.5000	< 0.0025	< 0.0025	1	07/29/95	07/13/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		2	11/19/96	11/05/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		3	07/30/96	07/11/96
7440-47-3	CHROMIUM	< 0.0250		mg/L	0.0250	0.5000	< 0.0100		4	04/17/97	04/10/97
7440-47-3	CHROMIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	07/17/97	07/10/97
7440-47-3	CHROMIUM	0.0015	0.0015	mg/L	0.0010	0.5000		< 0.0010	6	06/15/98	06/10/98
7440-47-3	CHROMIUM	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.0500	7	12/07/98	11/03/98
7440-47-3	CHROMIUM	< 0.0500	< 0.5000	mg/L	0.5000	0.5000		< 0.5000	8	05/29/99	05/29/99
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	12/10/99	11/10/99
7440-47-3	CHROMIUM	< 0.0200	< 0.0200	mg/L	0.0200	0.5000		< 0.0200	10	06/20/00	05/24/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	11	12/12/00	11/30/00
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	12	07/08/01	06/08/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0250	0.5000		< 0.0100	13	11/29/01	11/14/01
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	14	05/24/02	05/22/02
7440-47-3	CHROMIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000	< 0.0100	< 0.0100	15	12/28/02	11/20/02
7440-47-3	CHROMIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	16	08/03/03	05/21/03
7440-47-3	CHROMIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000	< 0.0250	< 0.0250	17	11/28/03	11/19/03

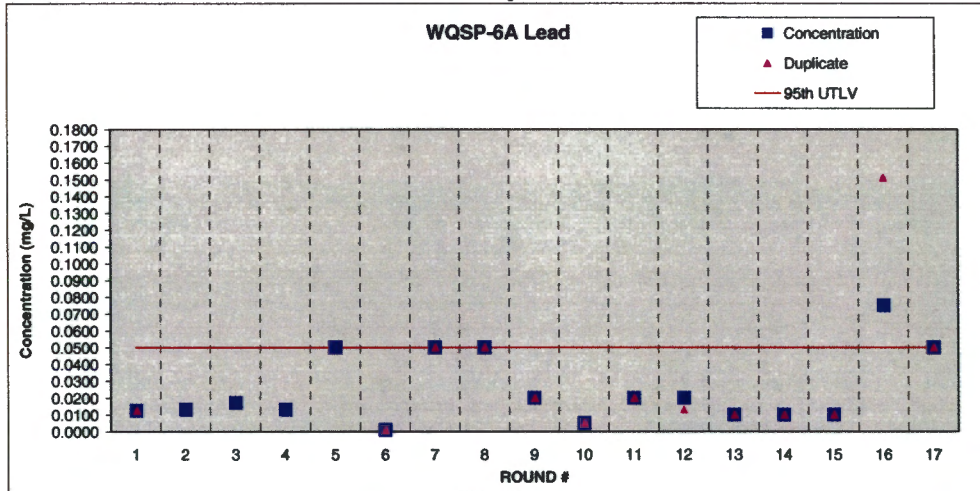


WQSP-6A Iron											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-89-6	IRON	< 0.4000	< 0.4000	mg/L	0.4000	1.0000	< 0.1000	< 0.1000	1	07/18/95	07/13/95
7439-89-6	IRON	0.1450	< 0.1300	mg/L	0.1300	1.0000	< 0.0500	< 0.0500	2	04/05/96	03/28/96
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.0500	< 0.0500	3	07/30/96	07/11/96
7439-89-6	IRON	0.2610	< 0.4540	mg/L	0.1300	1.0000	< 0.1000	< 0.1000	4	04/17/97	04/10/97
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	1.0000	< 0.1000	< 0.1000	5	07/17/97	07/10/97
7439-89-6	IRON	0.0180	0.0100	mg/L	0.0090	1.0000		< 0.0140	6	06/15/98	06/10/98
7439-89-6	IRON	< 0.3000	< 0.3000	mg/L	0.3000	1.0000		< 0.3000	7	12/07/98	11/03/98
7439-89-6	IRON	< 1.0000	< 1.0000	mg/L	1.0000	1.0000		< 1.0000	8	05/29/99	05/26/99
7439-89-6	IRON	0.5110	0.1430	mg/L	0.1000	1.0000		< 0.1000	9	12/10/99	11/10/99
7439-89-6	IRON	0.0037	< 0.2000	mg/L	0.1000	1.0000		< 0.2000	10	09/20/00	05/24/00
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000		< 0.5000	11	12/12/00	11/30/00
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000		< 0.5000	12	07/09/01	06/06/01
7439-89-6	IRON	< 0.0500	< 0.0500	mg/L	0.5000	1.0000		< 0.0500	13	11/29/01	11/14/01
7439-89-6	IRON	< 0.0500	< 0.0500	mg/L	0.5000	1.0000	0.8420	< 0.0500	15	12/28/02	11/20/02
7439-89-6	IRON	< 0.2500	< 0.2500	mg/L	0.5000	1.0000	< 0.2500	< 0.2500	16	06/03/03	05/21/03
7439-89-6	IRON	< 0.5000	< 0.5000	mg/L	0.5000	1.0000	< 0.5000	< 0.5000	17	11/26/03	11/19/03



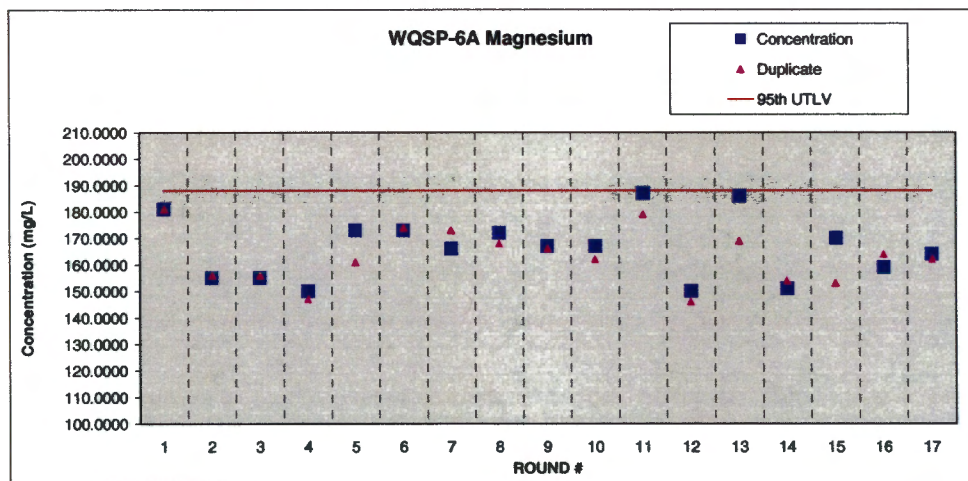
WQSP-6A Lead

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-92-1	LEAD	< 0.0125	< 0.0125	mg/L	0.0125	0.0500	< 0.0125	< 0.0125	1	07/29/95	07/13/95
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.0500	< 0.0050		2	11/19/96	11/09/96
7439-92-1	LEAD	0.0170		mg/L	0.0130	0.0500	< 0.0050		3	07/30/96	07/11/96
7439-92-1	LEAD	< 0.0130		mg/L	0.0130	0.0500	< 0.0050		4	04/17/97	04/10/97
7439-92-1	LEAD	< 0.0500		mg/L	0.0500	0.0500	< 0.0050		5	07/17/97	07/10/97
7439-92-1	LEAD	< 0.0010	< 0.0010	mg/L	0.0010	0.0500		< 0.0010	6	08/15/98	06/10/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0050	0.0500		< 0.0050	7	12/07/98	11/03/98
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.0500		< 0.0500	8	05/29/99	05/26/99
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.0500		< 0.0200	9	12/10/99	11/10/99
7439-92-1	LEAD	< 0.0050	< 0.0050	mg/L	0.0200	0.0500		< 0.0050	10	06/20/00	05/24/00
7439-92-1	LEAD	< 0.0200	< 0.0200	mg/L	0.0200	0.0500		< 0.0200	11	12/12/00	11/30/00
7439-92-1	LEAD	< 0.0200	< 0.0130	mg/L	0.0200	0.0500		< 0.0200	12	07/08/01	06/08/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0200	0.0500		< 0.0100	13	11/29/01	11/14/01
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.0500		< 0.0100	14	05/24/22	05/22/02
7439-92-1	LEAD	< 0.0100	< 0.0100	mg/L	0.0100	0.0500	< 0.0100	< 0.0100	15	12/29/02	11/20/02
7439-92-1	LEAD	< 0.0750	< 0.1510	mg/L	0.0100	0.0500	0.1370	0.2790	16	06/03/03	05/21/03
7439-92-1	LEAD	< 0.0500	< 0.0500	mg/L	0.0500	0.0500	< 0.0500	< 0.0500	17	11/26/03	11/19/03

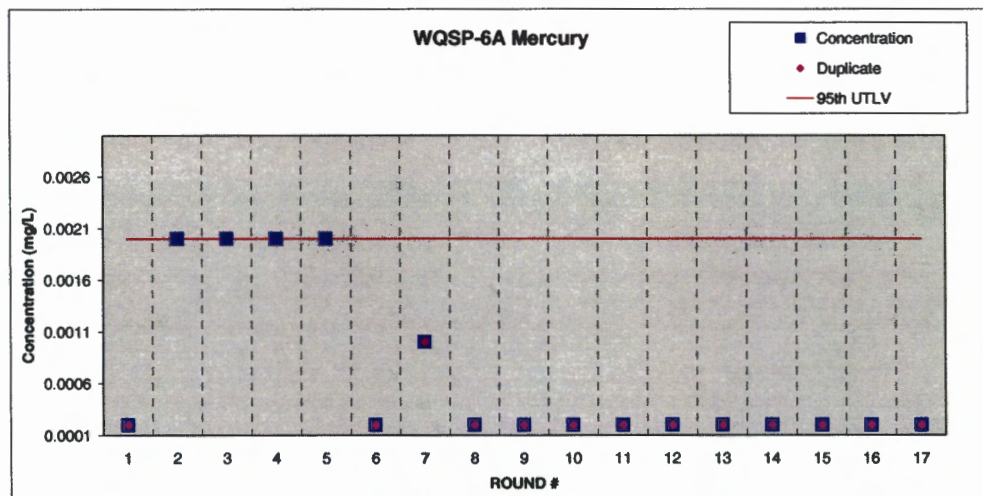


WQSP-6A Magnesium

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-95-4	MAGNESIUM	181.0000	181.0000	mg/L	0.4000	188.0000	< 0.1000	< 0.1000	1	07/18/95	07/13/95
7439-95-4	MAGNESIUM	155.0000	156.0000	mg/L	0.1300	188.0000	< 0.0500	< 0.0500	2	04/05/96	03/28/96
7439-95-4	MAGNESIUM	155.0000	156.0000	mg/L	0.5000	188.0000	< 0.0500	< 0.0500	3	07/30/96	07/11/96
7439-95-4	MAGNESIUM	150.0000	147.0000	mg/L	0.1300	188.0000	< 0.1000	< 0.1000	4	04/17/97	04/10/97
7439-95-4	MAGNESIUM	173.0000	161.0000	mg/L	1.0000	188.0000	< 0.1000	< 0.1000	5	07/17/97	07/10/97
7439-95-4	MAGNESIUM	173.0000	174.0000	mg/L	0.0880	188.0000		0.1580	8	06/15/98	06/10/98
7439-95-4	MAGNESIUM	166.0000	173.0000	mg/L	0.5000	188.0000		0.5000	7	12/15/98	11/03/98
7439-95-4	MAGNESIUM	172.0000	168.0000	mg/L	1.0000	188.0000		1.0000	8	05/29/99	05/26/99
7439-95-4	MAGNESIUM	167.0000	166.0000	mg/L	0.5000	188.0000		0.5000	9	12/09/99	11/10/99
7439-95-4	MAGNESIUM	167.0000	162.0000	mg/L	0.5000	188.0000		0.5000	10	06/20/00	05/24/00
7439-95-4	MAGNESIUM	167.0000	179.0000	mg/L	5.0000	188.0000		3.6800	11	12/11/00	11/30/00
7439-95-4	MAGNESIUM	150.0000	146.0000	mg/L	0.5000	188.0000		0.5000	12	06/25/01	06/08/01
7439-95-4	MAGNESIUM	166.0000	169.0000	mg/L	0.5000	188.0000		0.5000	13	02/13/02	11/14/01
7439-95-4	MAGNESIUM	151.0000	154.0000	mg/L	0.5000	188.0000		0.5000	14	06/05/02	05/22/02
7439-95-4	MAGNESIUM	170.0000	153.0000	mg/L	0.5000	188.0000	< 0.5000	< 0.5000	15	12/10/02	11/20/02
7439-95-4	MAGNESIUM	159.0000	164.0000	mg/L	0.5000	188.0000	< 0.5000	< 0.5000	16	06/06/03	05/21/03
7439-95-4	MAGNESIUM	164.0000	162.0000	mg/L	0.5000	188.0000	< 0.5000	< 0.5000	17	11/24/03	11/19/03

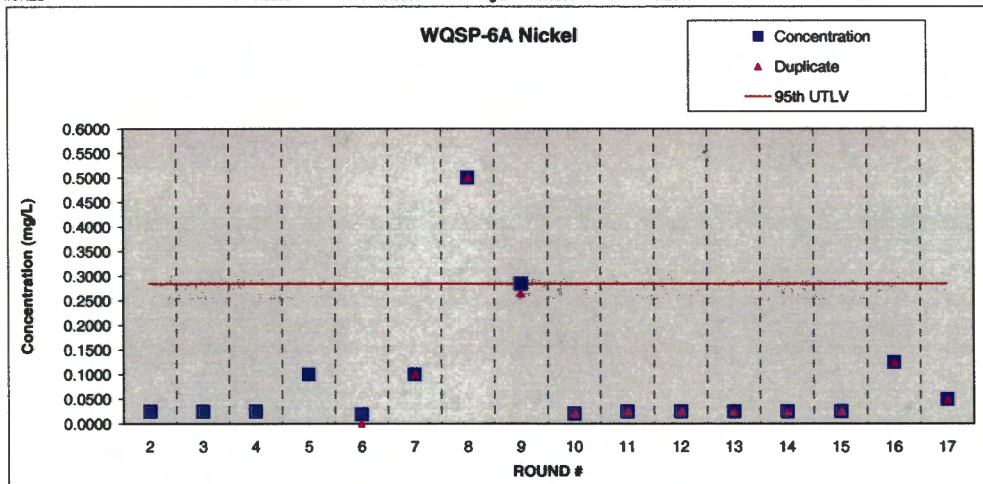


WQSP-6A Mercury											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	1	07/17/95	07/13/95
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		2	11/04/96	11/09/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		3	07/15/96	07/11/96
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		4	04/17/97	04/10/97
7439-97-6	MERCURY	< 0.0020		mg/L	0.0020	0.0020	< 0.0002		5	07/17/97	07/10/97
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0001	0.0020		< 0.0002	6	08/15/98	08/10/98
7439-97-6	MERCURY	< 0.0010	< 0.0010	mg/L	0.0010	0.0020		< 0.0010	7	11/10/98	11/03/98
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	8	05/27/99	05/26/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	9	12/10/99	11/10/99
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	10	08/20/00	05/24/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	11	12/19/00	11/30/00
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	12	08/27/01	08/08/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	13	12/12/01	11/14/01
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020		< 0.0002	14	08/04/02	05/22/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	15	11/25/02	11/20/02
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	16	05/29/03	05/21/03
7439-97-6	MERCURY	< 0.0002	< 0.0002	mg/L	0.0002	0.0020	< 0.0002	< 0.0002	17	11/21/03	11/19/03

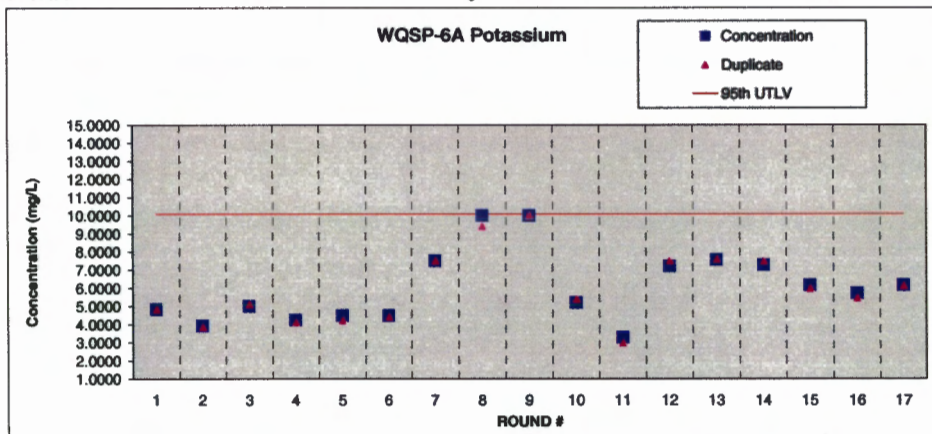


WQSP-6A Nickel

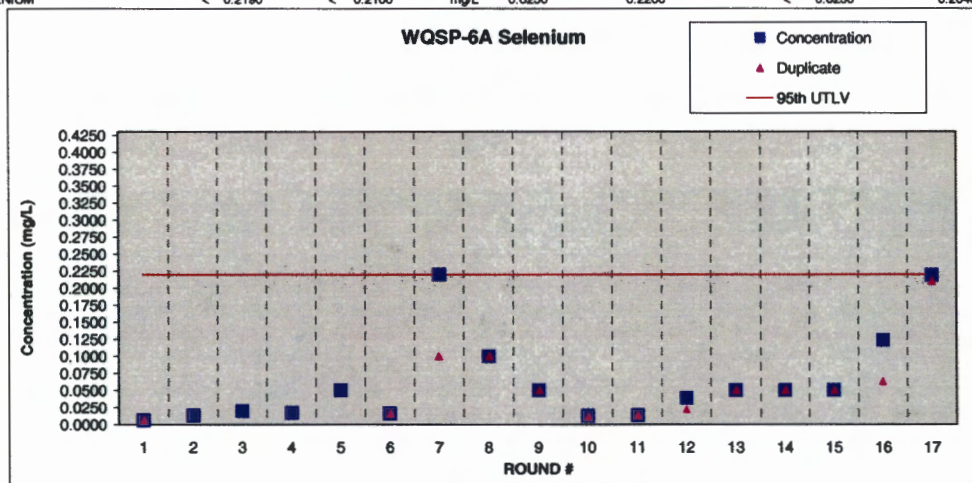
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.2840	< 0.0100		2	11/19/96	11/10/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.2840	< 0.0100		3	07/30/96	07/11/96
7440-02-0	NICKEL	< 0.0250		mg/L	0.0250	0.2840	< 0.0100		4	04/17/97	04/10/97
7440-02-0	NICKEL	< 0.1000		mg/L	0.1000	0.2840	< 0.0100		5	07/17/97	07/10/97
7440-02-0	NICKEL	< 0.0190		mg/L	0.0170	0.2840		< 0.0170	6	06/15/98	06/10/98
7440-02-0	NICKEL	< 0.1000	< 0.1000	mg/L	0.1000	0.2840		< 0.1000	7	12/07/98	11/03/98
7440-02-0	NICKEL	< 0.5000	< 0.5000	mg/L	0.5000	0.2840		< 0.5000	8	05/29/99	05/26/99
7440-02-0	NICKEL	0.2840	0.2650	mg/L	0.0200	0.2840		< 0.0200	9	12/10/99	11/10/99
7440-02-0	NICKEL	< 0.0200	< 0.0200	mg/L	0.5000	0.2840		< 0.0200	10	06/20/00	05/24/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.2840		< 0.0250	11	12/12/00	11/30/00
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.2840		< 0.0250	12	07/08/01	06/06/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.2840		< 0.0250	13	11/29/01	11/14/01
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.2840		< 0.0250	14	05/24/02	05/22/02
7440-02-0	NICKEL	< 0.0250	< 0.0250	mg/L	0.0250	0.2840	< 0.0250	< 0.0250	15	12/26/02	11/20/02
7440-02-0	NICKEL	< 0.1250	< 0.1250	mg/L	0.1250	0.2840	< 0.1250	< 0.1250	16	06/03/03	05/21/03
7440-02-0	NICKEL	< 0.0500	< 0.0500	mg/L	0.0500	0.2840	< 0.0500	< 0.0500	17	11/26/03	11/19/03



WQSP-6A Potassium												
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED	
7440-09-7	POTASSIUM	4.8200	4.8200	mg/L	0.8000	10.1000	< 0.2000	< 0.2000	1	07/18/95	07/13/95	
7440-09-7	POTASSIUM	3.9300	3.8400	mg/L	0.5000	10.1000	< 0.2000	< 0.2000	2	04/05/96	03/28/96	
7440-09-7	POTASSIUM	5.0000	5.1100	mg/L	2.0000	10.1000	< 0.2000	< 0.2000	3	07/30/96	07/11/96	
7440-09-7	POTASSIUM	4.2400	4.1100	mg/L	0.5000	10.1000	< 0.2000	< 0.2000	4	04/17/97	04/10/97	
7440-09-7	POTASSIUM	4.4900	4.2000	mg/L	2.0000	10.1000	< 0.2000	< 0.2000	5	07/18/97	07/10/97	
7440-09-7	POTASSIUM	4.4900	4.4000	mg/L	0.0370	10.1000		0.0410	6	05/15/98	05/10/98	
7440-09-7	POTASSIUM	7.5000	7.5000	mg/L	0.5000	10.1000		< 0.5000	7	12/15/98	11/03/98	
7440-09-7	POTASSIUM	10.0000	9.4000	mg/L	1.0000	10.1000		< 1.0000	8	05/29/99	05/26/99	
7440-09-7	POTASSIUM	< 10.0000	< 10.0000	mg/L	1.0000	10.1000		< 1.0000	9	12/09/99	11/10/99	
7440-09-7	POTASSIUM	5.2000	5.4000	mg/L	1.0000	10.1000		< 1.0000	10	06/20/00	05/24/00	
7440-09-7	POTASSIUM	3.2800	2.9700	mg/L	5.0000	10.1000		0.4980	11	12/11/00	11/30/00	
7440-09-7	POTASSIUM	7.2000	7.5000	mg/L	0.5000	10.1000		< 0.5000	12	06/25/01	06/06/01	
7440-09-7	POTASSIUM	7.5500	7.5900	mg/L	0.5000	10.1000		< 0.5000	13	02/13/02	11/14/01	
7440-09-7	POTASSIUM	7.2700	7.4900	mg/L	0.5000	10.1000		< 0.5000	14	06/05/02	05/22/02	
7440-09-7	POTASSIUM	6.1600	5.9600	mg/L	0.5000	10.1000	< 0.5000	< 0.5000	15	12/04/02	11/20/02	
7440-09-7	POTASSIUM	5.7100	5.4300	mg/L	0.5000	10.1000	< 0.5000	< 0.5000	16	06/06/03	05/21/03	
7440-09-7	POTASSIUM	6.1600	6.1000	mg/L	0.5000	10.1000	1.0200	1.0300	17	11/24/03	11/18/03	

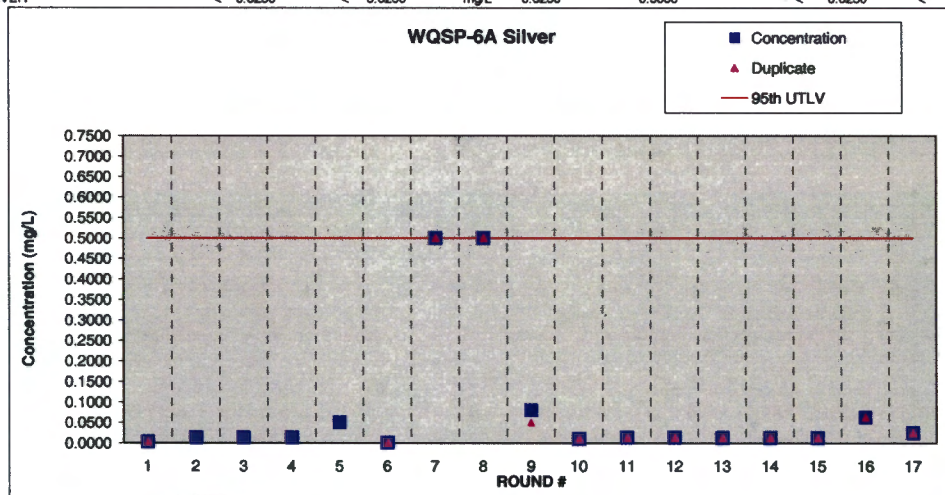


WQSP-6A Selenium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7782-49-2	SELENIUM	< 0.0080	< 0.0080	mg/L	0.0080	0.2200	< 0.0030	< 0.0030	1	08/10/95	07/13/95
7782-49-2	SELENIUM	< 0.0130		mg/L	0.0130	0.2200	< 0.0050		2	11/19/96	11/11/96
7782-49-2	SELENIUM	0.0200		mg/L	0.0130	0.2200	< 0.0050		3	07/30/96	07/11/96
7782-49-2	SELENIUM	0.0170		mg/L	0.0130	0.2200	< 0.0050		4	04/17/97	04/10/97
7782-49-2	SELENIUM	< 0.0500		mg/L	0.0500	0.2200	< 0.0050		5	07/17/97	07/10/97
7782-49-2	SELENIUM	0.0180	0.0180	mg/L	0.0010	0.2200		< 0.0010	6	08/15/98	08/10/98
7782-49-2	SELENIUM	0.2200	< 0.1000	mg/L	0.0100	0.2200		< 0.1000	7	12/08/98	11/03/98
7782-49-2	SELENIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.2200		< 0.1000	8	05/29/99	05/28/99
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2200		< 0.0500	9	12/10/99	11/10/99
7782-49-2	SELENIUM	0.0129	0.0107	mg/L	0.0500	0.2200		< 0.0500	10	06/20/00	05/24/00
7782-49-2	SELENIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.2200		< 0.0130	11	12/12/00	11/30/00
7782-49-2	SELENIUM	0.0385	0.0222	mg/L	0.0130	0.2200		< 0.0130	12	07/08/01	08/08/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0130	0.2200		< 0.0500	13	11/29/01	11/14/01
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2200		< 0.0500	14	05/24/02	05/22/02
7782-49-2	SELENIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.2200	< 0.0500	< 0.0500	15	12/28/02	11/20/02
7782-49-2	SELENIUM	< 0.1230	< 0.0630	mg/L	0.0100	0.2200	0.2980	0.2020	16	08/03/03	05/21/03
7782-49-2	SELENIUM	< 0.2190	< 0.2100	mg/L	0.0250	0.2200	< 0.0250	0.2040	17	11/26/03	11/19/03



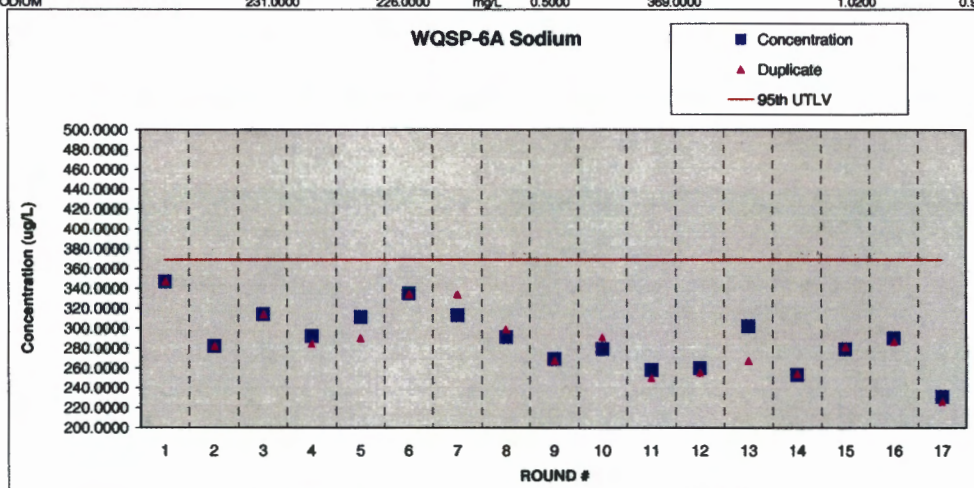
WQSP-6A Silver

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-22-4	SILVER	0.0028	0.0028	mg/L	0.0025	0.5000	< 0.0025	< 0.0025	1	07/29/95	07/13/95
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		2	11/19/96	11/12/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		3	07/30/96	07/11/96
7440-22-4	SILVER	< 0.0130		mg/L	0.0130	0.5000	< 0.0050		4	04/17/97	04/10/97
7440-22-4	SILVER	< 0.0500		mg/L	0.0500	0.5000	< 0.0050		5	07/17/97	07/10/97
7440-22-4	SILVER	< 0.0010	< 0.0010	mg/L	0.0010	0.5000		< 0.0010	6	06/15/98	06/10/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.0500	7	12/07/98	11/03/98
7440-22-4	SILVER	< 0.5000	< 0.5000	mg/L	0.5000	0.5000		< 0.0500	8	06/11/99	05/26/99
7440-22-4	SILVER	0.0800	< 0.0500	mg/L	0.0500	0.5000		< 0.0500	9	12/10/99	11/10/99
7440-22-4	SILVER	< 0.0100	< 0.0100	mg/L	0.0500	0.5000		< 0.1000	10	06/20/00	05/24/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000		< 0.0130	11	12/12/00	11/30/00
7440-22-4	SILVER	< 0.0130	< 0.0130	mg/L	0.0130	0.5000		< 0.0130	12	07/09/01	06/08/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0130	0.5000		< 0.0125	13	11/29/01	11/14/01
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000		< 0.0125	14	05/24/02	05/22/02
7440-22-4	SILVER	< 0.0125	< 0.0125	mg/L	0.0125	0.5000	< 0.0125	< 0.0125	15	12/26/02	11/20/02
7440-22-4	SILVER	< 0.0625	< 0.0625	mg/L	0.0125	0.5000	< 0.0625	< 0.0625	16	06/03/03	05/21/03
7440-22-4	SILVER	< 0.0250	< 0.0250	mg/L	0.0250	0.5000	< 0.0250	< 0.0250	17	11/28/03	11/19/03

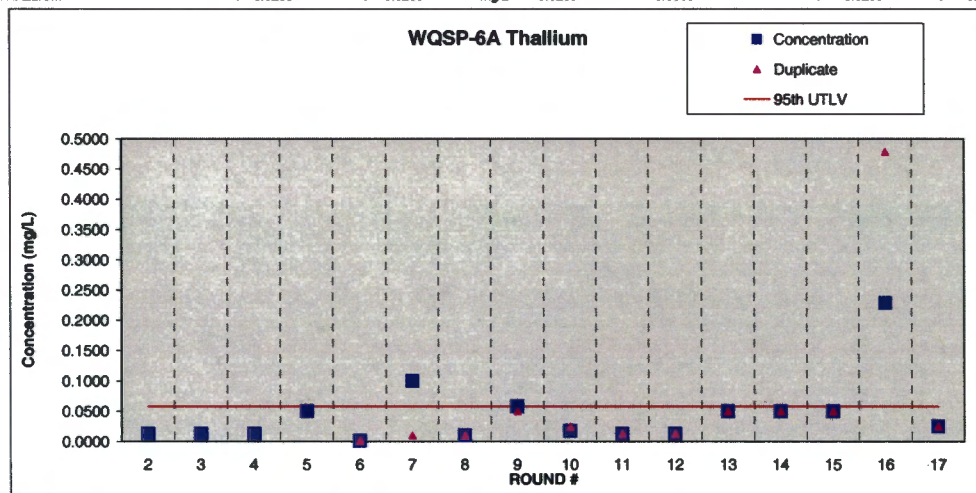


WQSP-6A Sodium

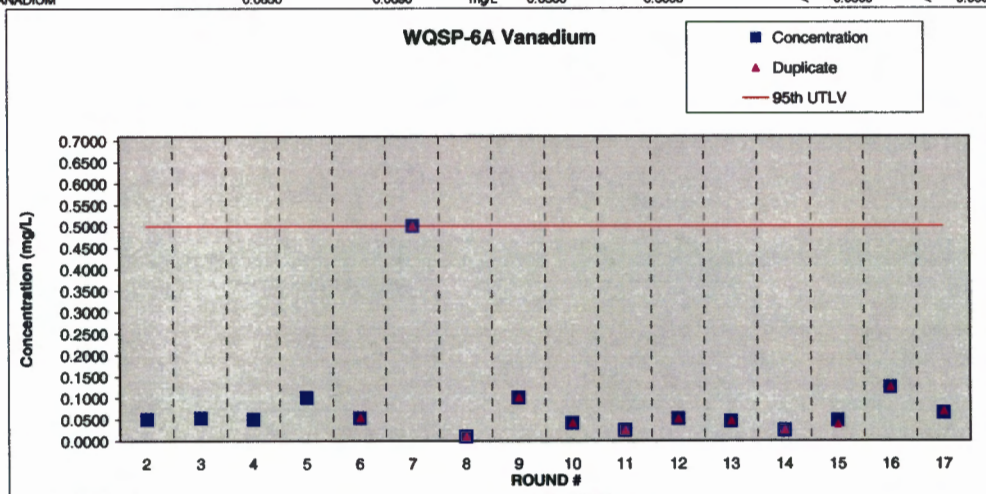
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-23-5	SODIUM	347.0000	347.0000	mg/L	2.0000	369.0000	0.5000	0.5000	1	07/18/95	07/13/95
7440-23-5	SODIUM	282.0000	282.0000	mg/L	1.3000	369.0000	< 0.5000	< 0.5000	2	04/05/96	03/28/96
7440-23-5	SODIUM	314.0000	314.0000	mg/L	5.0000	369.0000	< 0.5000	< 0.5000	3	07/30/96	07/11/96
7440-23-5	SODIUM	282.0000	284.0000	mg/L	1.3000	369.0000	< 0.5000	< 0.5000	4	04/17/97	04/10/97
7440-23-5	SODIUM	311.0000	290.0000	mg/L	5.0000	369.0000	< 0.5000	< 0.5000	5	07/18/97	07/10/97
7440-23-5	SODIUM	335.0000	334.0000	mg/L	0.0590	369.0000		0.0890	6	08/15/98	08/10/98
7440-23-5	SODIUM	313.0000	334.0000	mg/L	0.5000	369.0000		< 0.5000	7	12/15/98	11/03/98
7440-23-5	SODIUM	291.0000	298.0000	mg/L	1.0000	369.0000		< 1.0000	8	08/11/99	05/28/99
7440-23-5	SODIUM	269.0000	267.0000	mg/L	0.5000	369.0000		< 0.5000	9	12/10/99	11/10/99
7440-23-5	SODIUM	279.0000	291.0000	mg/L	0.5000	369.0000		< 0.5000	10	08/20/00	05/24/00
7440-23-5	SODIUM	258.0000	250.0000	mg/L	5.0000	369.0000		0.7740	11	12/11/00	11/30/00
7440-25-5	SODIUM	280.0000	255.0000	mg/L	0.5000	369.0000		< 0.5000	12	08/25/01	08/08/01
7440-25-5	SODIUM	302.0000	267.0000	mg/L	0.5000	369.0000		< 0.5000	13	02/13/02	11/14/01
7440-25-5	SODIUM	253.0000	254.0000	mg/L	0.5000	369.0000		< 0.5000	14	08/05/02	05/22/02
7440-25-5	SODIUM	279.0000	281.0000	mg/L	0.5000	369.0000	< 0.5000	< 0.5000	15	12/10/02	11/20/02
7440-25-5	SODIUM	290.0000	288.0000	mg/L	0.5000	369.0000	< 0.5000	< 0.5000	16	08/06/03	05/21/03
7440-25-5	SODIUM	231.0000	226.0000	mg/L	0.5000	369.0000	1.0200	0.9060	17	11/24/03	11/18/03



WQSP-6A Thallium											
CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=====			==				==	==		=====	
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.0580	< 0.0050		2	11/19/96	11/13/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.0580	< 0.0050		3	07/30/96	07/11/96
7440-28-0	THALLIUM	< 0.0130		mg/L	0.0130	0.0580	< 0.0050		4	04/17/97	04/10/97
7440-28-0	THALLIUM	< 0.0500		mg/L	0.0500	0.0580	< 0.0050		5	07/17/97	07/10/97
7440-28-0	THALLIUM	< 0.0010	< 0.0010	mg/L	0.0010	0.0580		< 0.0010	6	08/15/98	08/10/98
7440-28-0	THALLIUM	< 0.1000	< 0.0100	mg/L	0.0100	0.0580		< 0.0010	7	12/07/98	11/03/98
7440-28-0	THALLIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.0580		< 0.0100	8	05/29/99	05/28/99
7440-28-0	THALLIUM	0.0580	< 0.0500	mg/L	0.0500	0.0580		< 0.0500	9	12/10/99	11/10/99
7440-28-0	THALLIUM	0.0176	0.0243	mg/L	0.0500	0.0580		< 0.0200	10	06/20/00	05/24/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.0580		< 0.0130	11	01/04/01	11/30/00
7440-28-0	THALLIUM	< 0.0130	< 0.0130	mg/L	0.0130	0.0580		< 0.0130	12	07/08/01	06/08/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0130	0.0580		< 0.0500	13	11/29/01	11/14/01
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.0580		< 0.0500	14	05/24/02	05/22/02
7440-28-0	THALLIUM	< 0.0500	< 0.0500	mg/L	0.0500	0.0580	< 0.0500	< 0.0500	15	12/26/02	11/20/02
7440-28-0	THALLIUM	< 0.2280	< 0.4780	mg/L	0.0100	0.0580	0.6300	0.8380	16	06/03/03	05/21/03
7440-28-0	THALLIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.0580	< 0.0250	< 0.0250	17	11/28/03	11/19/03



CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
7440-82-2	VANADIUM	0.0500		mg/L	0.0250	0.5000	< 0.0100		2	11/19/96	11/15/96
7440-82-2	VANADIUM	0.0530		mg/L	0.0250	0.5000	< 0.0100		3	07/30/96	07/11/96
7440-82-2	VANADIUM	0.0500		mg/L	0.0250	0.5000	< 0.0100		4	04/17/97	04/10/97
7440-82-2	VANADIUM	< 0.1000		mg/L	0.1000	0.5000	< 0.0100		5	07/17/97	07/10/97
7440-82-2	VANADIUM	0.0530	0.0540	mg/L	0.0070	0.5000		0.0080	6	08/15/98	08/10/98
7440-82-2	VANADIUM	< 0.0100	< 0.0100	mg/L	0.0100	0.5000		< 0.0100	8	05/29/99	05/26/99
7440-82-2	VANADIUM	< 0.1000	< 0.1000	mg/L	0.1000	0.5000		< 0.1000	9	12/10/99	11/10/99
7440-82-2	VANADIUM	0.0411	0.0411	mg/L	0.1000	0.5000		< 0.0100	10	08/20/00	05/24/00
7440-82-2	VANADIUM	< 0.0250	0.0240	mg/L	0.0250	0.5000		< 0.0250	11	12/12/00	11/30/00
7440-82-2	VANADIUM	0.0520	0.0510	mg/L	0.0250	0.5000		< 0.0250	12	07/08/01	06/08/01
7440-82-2	VANADIUM	0.0480	0.0465	mg/L	0.0250	0.5000		< 0.0250	13	11/29/01	11/14/01
7440-82-2	VANADIUM	< 0.0250	< 0.0250	mg/L	0.0250	0.5000		< 0.0250	14	05/24/02	05/22/02
7440-82-2	VANADIUM	0.0482	0.0384	mg/L	0.0250	0.5000	< 0.0250	< 0.0250	15	12/28/02	11/20/02
7440-82-2	VANADIUM	< 0.1250	< 0.1250	mg/L	0.1250	0.5000	< 0.1250	< 0.1250	16	06/03/03	05/21/03
7440-82-2	VANADIUM	0.0650	0.0690	mg/L	0.0500	0.5000	< 0.0500	< 0.0500	17	11/28/03	11/19/03



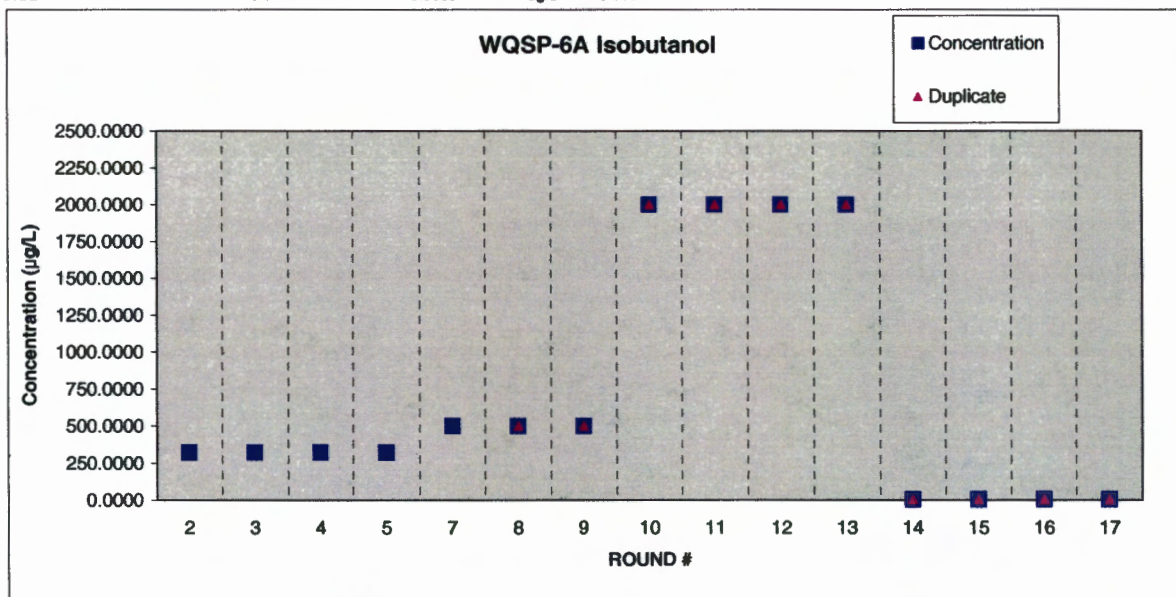
WELL WQSP-6A

**ORGANIC CHEMISTRY
(VOCs, SVOCs, ISOBUTANOL)**

Isobutanol

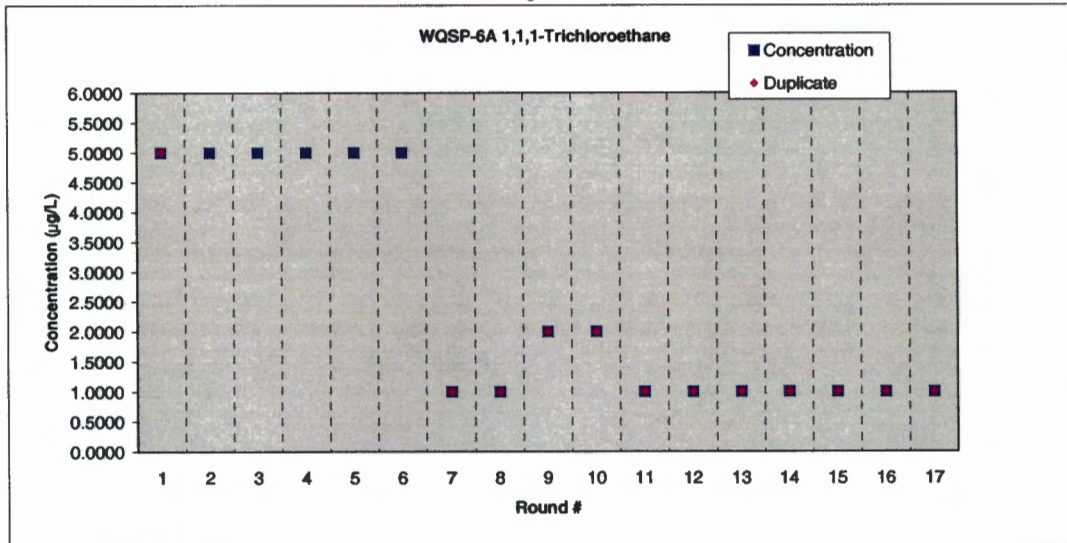
WQSP-6A Isobutanol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED
=	=	=	=	=	=	=	=	=	=	=
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	2	10/31/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000	< 320.0000	3	07/15/96
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		4	04/14/97
78-83-1	ISOBUTANOL	< 320.0000		ug/L	320.0000		< 320.0000		5	07/31/97
78-83-1	ISOBUTANOL	< 500.0000	2900.0000	ug/L	500.0000				7	11/16/98
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				8	06/02/99
78-83-1	ISOBUTANOL	< 500.0000	< 500.0000	ug/L	500.0000				9	11/16/99
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				10	05/24/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				11	12/14/00
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				12	06/14/01
78-83-1	ISOBUTANOL	< 2000.0000	< 2000.0000	ug/L	2000.0000				13	11/21/01
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/31/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				16	06/02/03
78-83-1	ISOBUTANOL	< 5.0000	< 5.0000	ug/L	5.0000				17	11/29/03



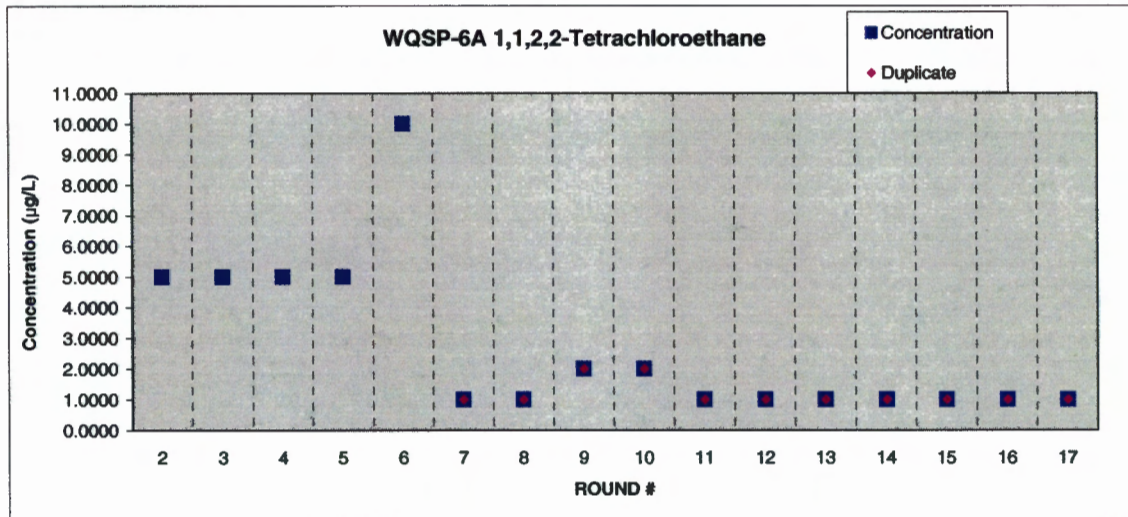
WQSP-6A 1,1,1-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	07/18/95	07/13/95
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/31/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
71-55-6	1,1,1-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
71-55-6	1,1,1-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
71-55-6	1,1,1-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



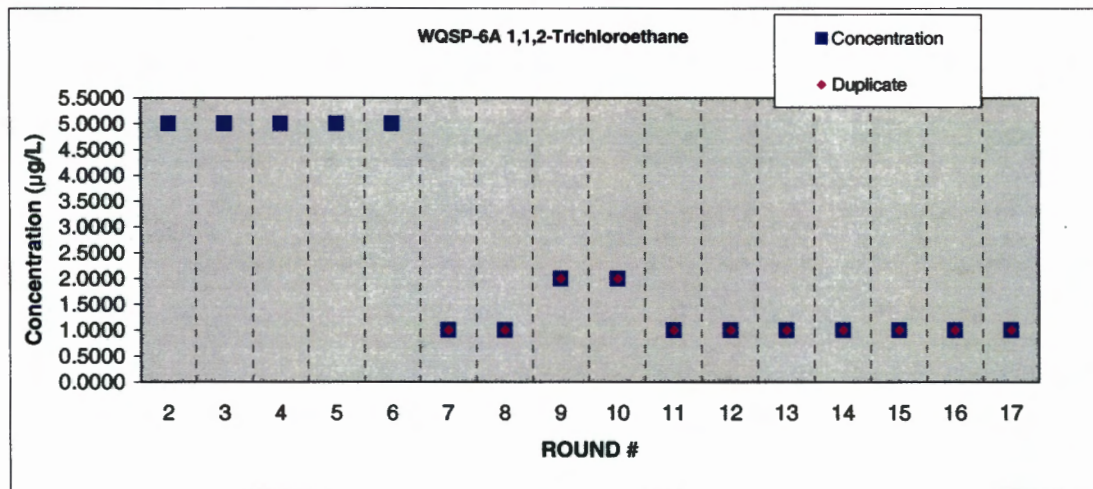
WQSP-6A 1,1,2,2-Tetrachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/28/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
79-34-5	1,1,2,2-TETRACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



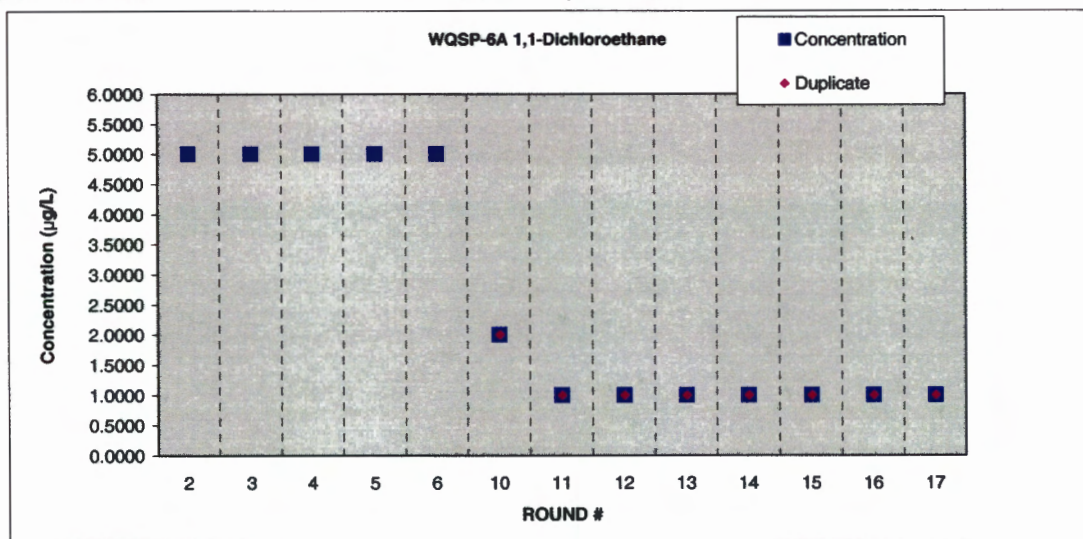
WQSP-6A 1,1,2-Trichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	01/01/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
79-00-5	1,1,2-TRICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
79-00-5	1,1,2-TRICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
79-00-5	1,1,2-TRICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



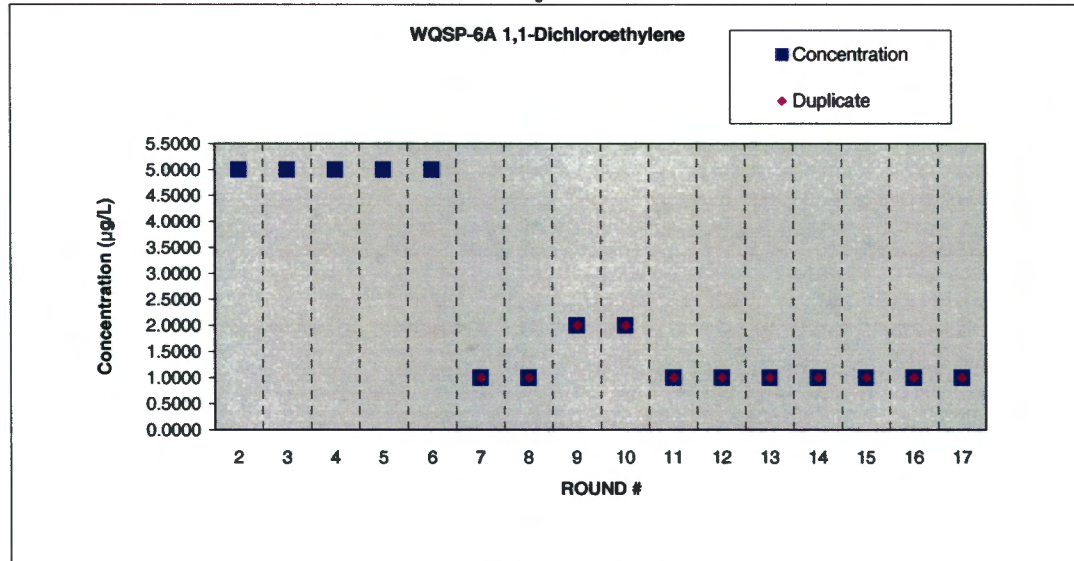
WQSP-6A 1,1-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000	< 5.0000	< 5.0000	< 5.0000	2	11/01/96	12/09/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000	< 5.0000	< 5.0000	< 5.0000	3	07/16/96	07/11/96
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000	< 5.0000	< 5.0000	< 5.0000	4	04/14/97	04/10/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000	< 5.0000	< 5.0000	< 5.0000	5	07/22/97	07/10/97
75-34-3	1,1-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
75-34-3	1,1-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
75-34-3	1,1-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



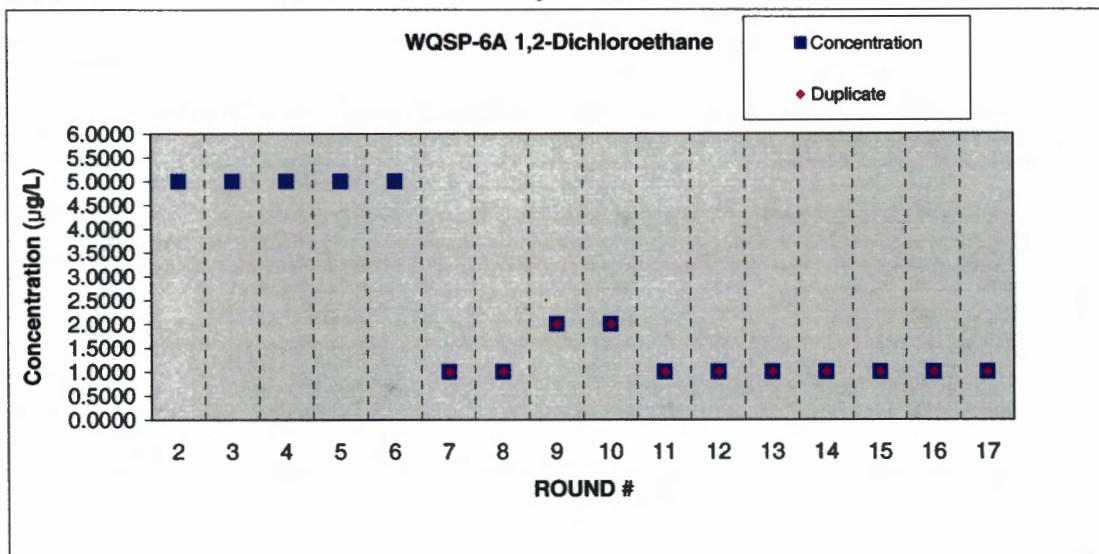
WQSP-6A 1,1-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/11/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
75-35-4	1,1-DICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
75-35-4	1,1-DICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
75-35-4	1,1-DICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



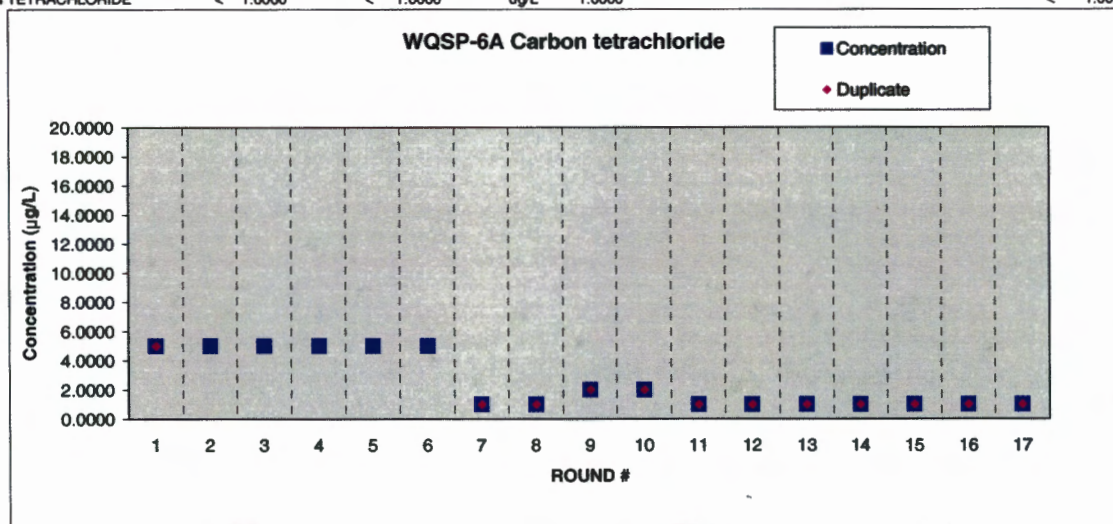
WQSP-6A 1,2-Dichloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/10/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
107-06-2	1,2-DICHLOROETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
107-06-2	1,2-DICHLOROETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
107-06-2	1,2-DICHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



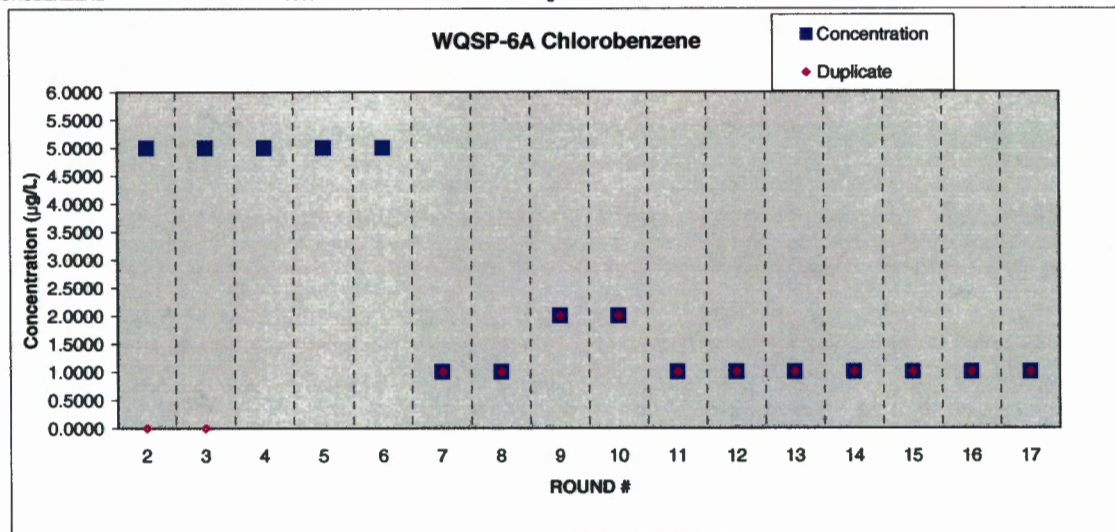
WQSP-6A Carbon Tetrachloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
56-23-5	CARBON TETRACHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	1	07/18/95	07/13/95
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	11/27/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
56-23-5	CARBON TETRACHLORIDE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
56-23-5	CARBON TETRACHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	08/11/01	08/08/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
56-23-5	CARBON TETRACHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



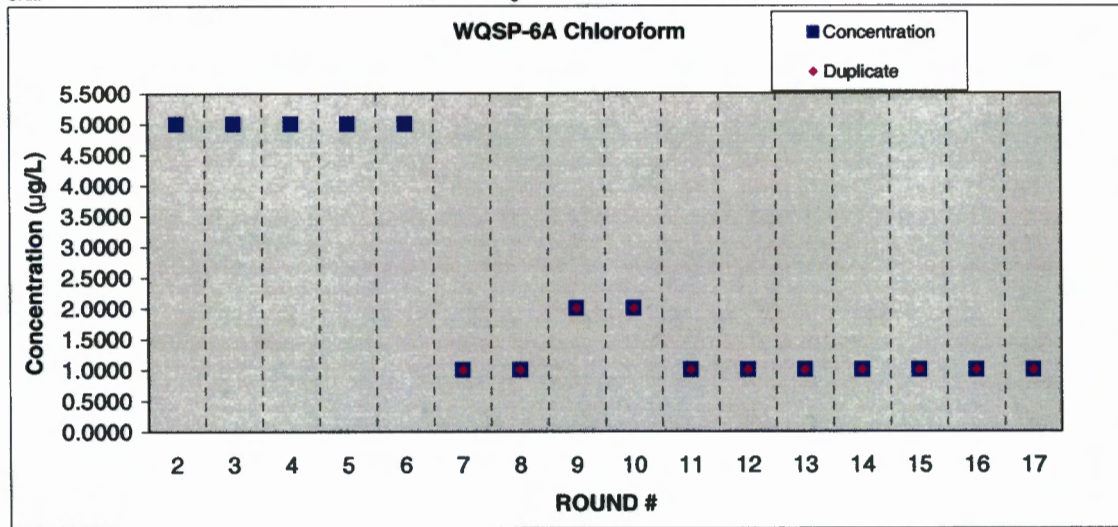
WQSP-6A Chlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-90-7	CHLOROBENZENE	< 5.0000	0.0000	ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	11/28/96
108-90-7	CHLOROBENZENE	< 5.0000	0.0000	ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
108-90-7	CHLOROBENZENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
108-90-7	CHLOROBENZENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/08/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
108-90-7	CHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



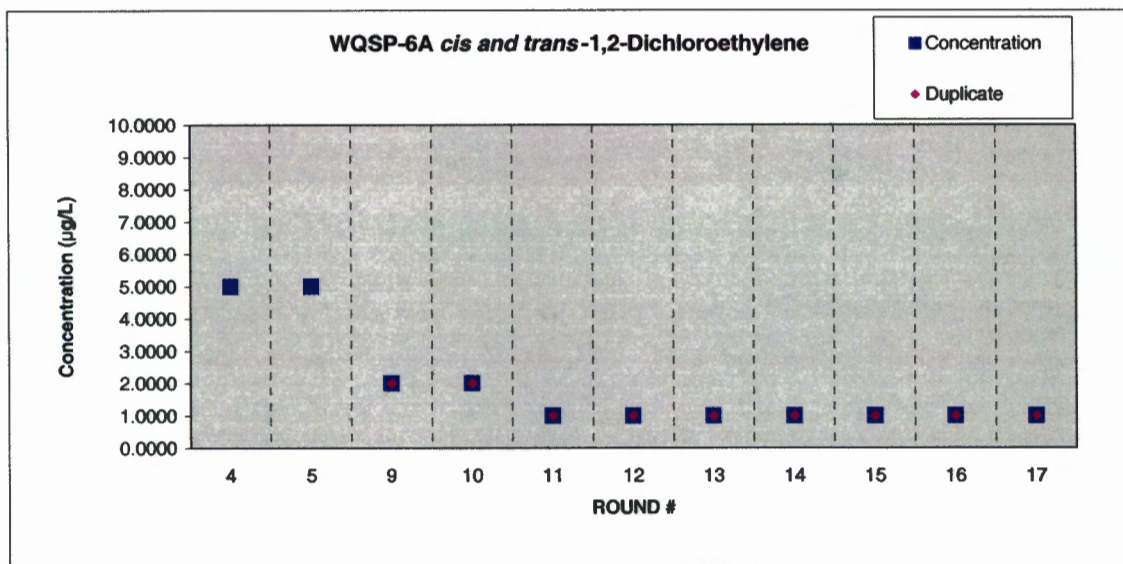
WQSP-6A Chloroform

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/01/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
67-66-3	CHLOROFORM	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
67-66-3	CHLOROFORM	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/08/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/02/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
67-66-3	CHLOROFORM	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



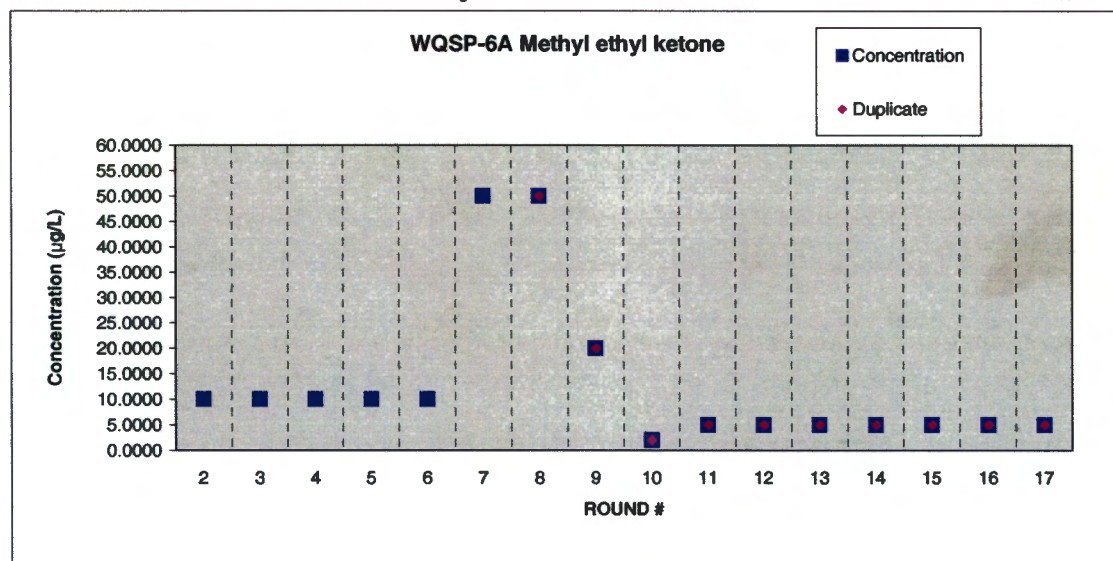
WQSP-6A cis and trans-1,2-Dichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	MAXIMUM CONTAMINANT LEVEL	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
540-59-0	cis/trans-1,2-DICHLOROETHENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



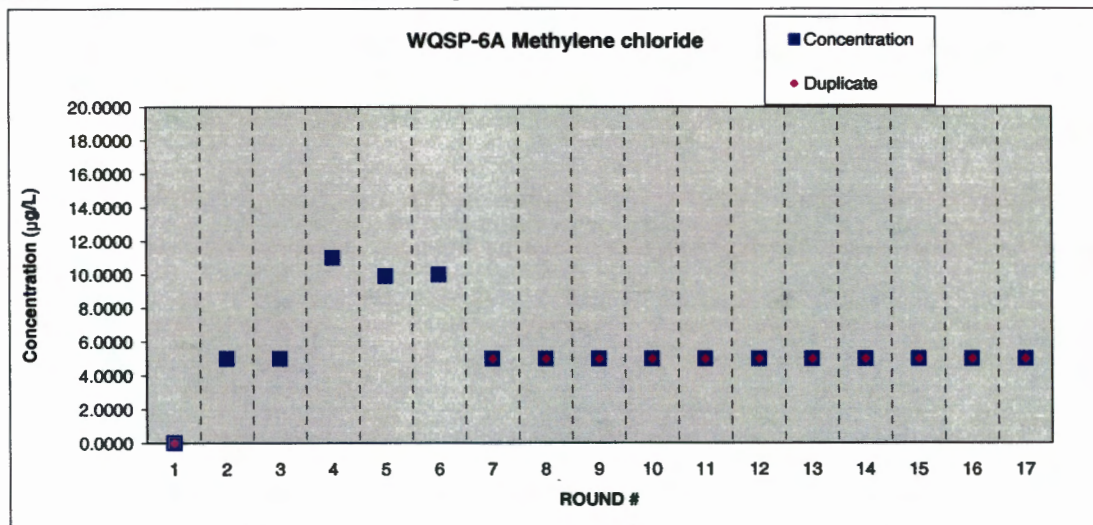
WQSP-6A Methyl ethyl ketone

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	11/01/96	11/25/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/16/96	07/11/96
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/10/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/22/97	07/10/97
78-93-3	METHYL ETHYL KETONE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
78-93-3	METHYL ETHYL KETONE	< 50.0000		ug/L	50.0000			< 50.0000	7	11/04/98	11/02/98
78-93-3	METHYL ETHYL KETONE	< 50.0000	< 50.0000	ug/L	50.0000			< 50.0000	8	06/02/99	05/26/99
78-93-3	METHYL ETHYL KETONE	< 20.0000	< 20.0000	ug/L	20.0000			< 20.0000	9	11/23/99	11/10/99
78-93-3	METHYL ETHYL KETONE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/11/01	06/06/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/22/01	11/14/01
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/31/02	05/22/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	12/03/02	11/20/02
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	06/02/03	05/21/03
78-93-3	METHYL ETHYL KETONE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	11/29/03	11/19/03



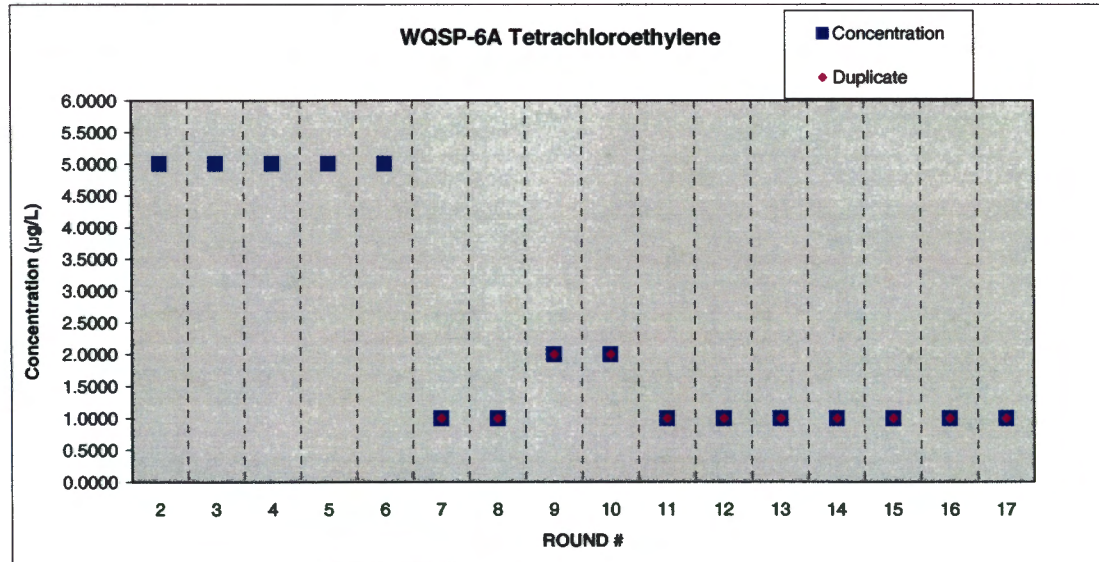
WQSP-6A Methylene chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-09-2	METHYLENE CHLORIDE	< 0.0050	< 0.0050	mg/L	0.0050			< 0.0050	1	07/18/95	07/13/95
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/22/96
75-09-2	METHYLENE CHLORIDE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
75-09-2	METHYLENE CHLORIDE	11.0000		ug/L	5.0000		13.0000		4	04/14/97	04/10/97
75-09-2	METHYLENE CHLORIDE	9.9000		ug/L	5.0000		11.0000		5	07/22/97	07/10/97
75-09-2	METHYLENE CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	7	11/14/98	11/03/98
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	8	06/02/99	05/26/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/23/99	11/10/99
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/24/00	05/24/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/11/01	06/06/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/22/01	11/14/01
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	14	05/31/02	05/22/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	15	12/03/02	11/20/02
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	16	06/02/03	05/21/03
75-09-2	METHYLENE CHLORIDE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	17	11/29/03	11/19/03



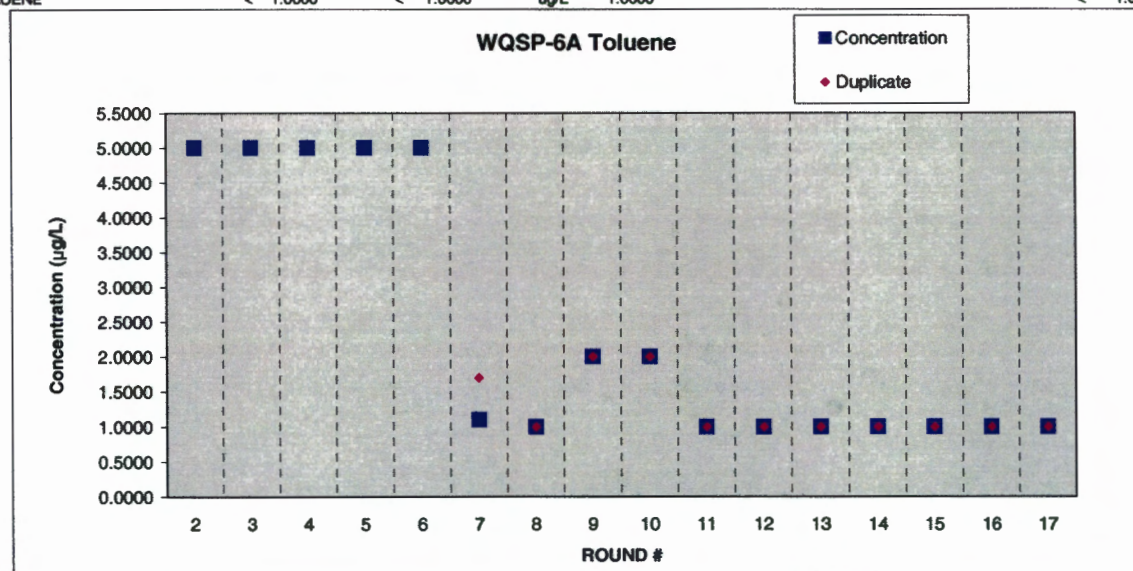
WQSP-6A Tetrachloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/29/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
127-18-4	TETRACHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
127-18-4	TETRACHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
127-18-4	TETRACHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



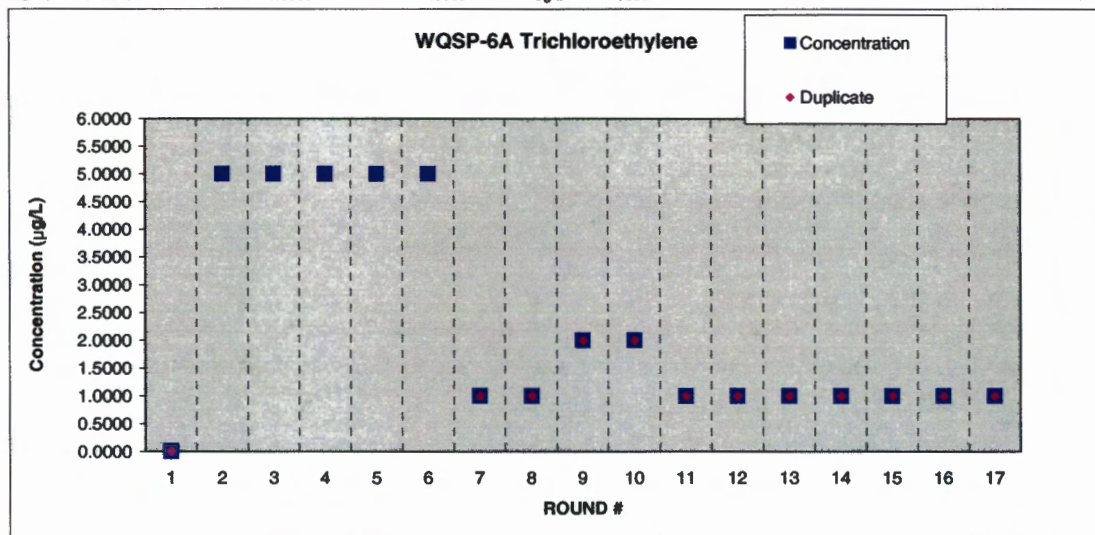
WQSP-6A Toluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	12/30/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
108-88-3	TOLUENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
108-88-3	TOLUENE	1.1000	1.7000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
108-88-3	TOLUENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
108-88-3	TOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



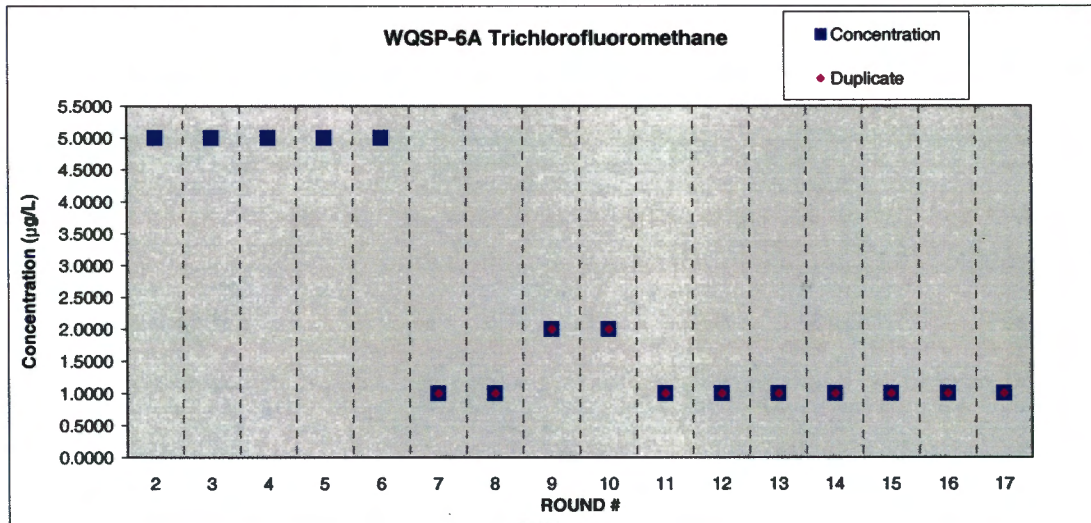
WQSP-6A Trichloroethylene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
79-01-6	TRICHLOROETHYLENE	< 0.0050	< 0.0050	mg/L	0.0050			< 0.0050	1	07/18/95	07/13/95
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	01/02/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
79-01-6	TRICHLOROETHYLENE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
79-01-6	TRICHLOROETHYLENE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	6/11/01	06/06/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
79-01-6	TRICHLOROETHYLENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



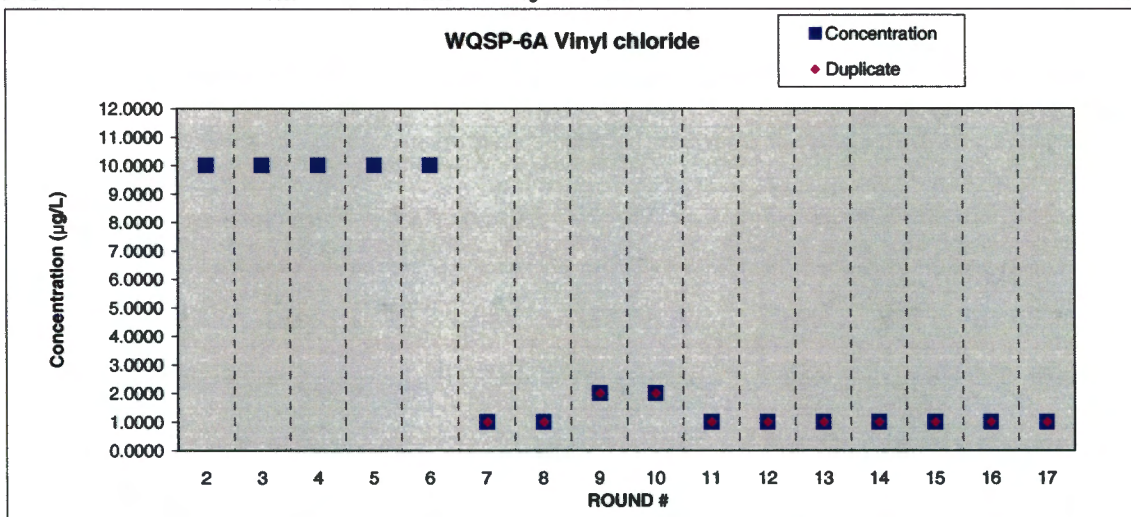
WQSP-6A Trichlorofluoromethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	2	11/01/96	01/03/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000	< 5.0000	3	07/16/96	07/11/96
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		4	04/14/97	04/10/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000		< 5.0000		5	07/22/97	07/10/97
75-69-4	TRICHLOROFLUOROMETHANE	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/14/98	11/03/98
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
75-69-4	TRICHLOROFLUOROMETHANE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
75-69-4	TRICHLOROFLUOROMETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



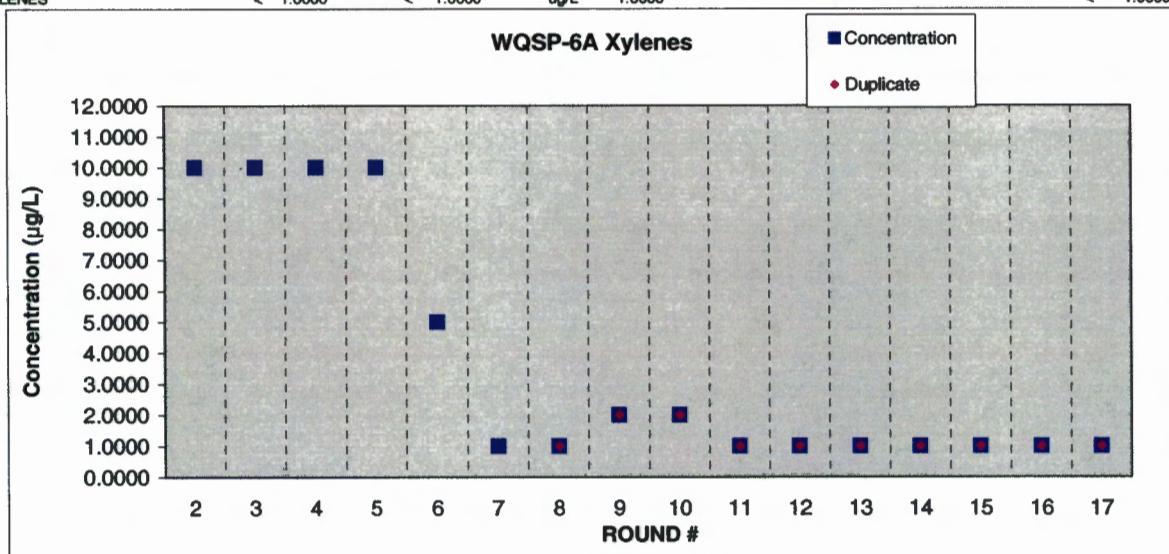
WQSP-6A Vinyl chloride

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	11/01/96	01/06/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/16/96	07/11/96
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/10/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/22/97	07/10/97
75-01-4	VINYL CHLORIDE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	2.0000			< 1.0000	7	11/14/98	11/03/98
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
75-01-4	VINYL CHLORIDE	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
75-01-4	VINYL CHLORIDE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



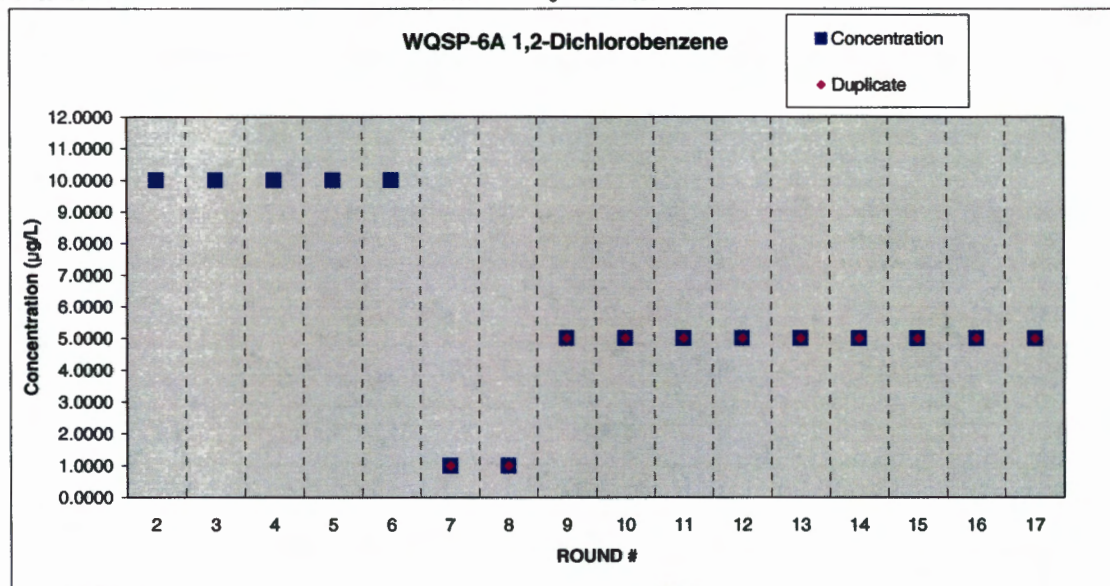
WQSP-6A Xylenes

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	2	11/01/96	01/07/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000	< 10.0000	3	07/16/96	07/11/96
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		4	04/14/97	04/10/97
1330-20-7	XYLENES	< 10.0000		ug/L	10.0000		< 10.0000		5	07/22/97	07/10/97
1330-20-7	XYLENES	< 5.0000		ug/L	5.0000			< 5.0000	6	06/12/98	06/10/98
1330-20-7	XYLENES	< 1.0000		ug/L	1.0000			< 1.0000	7	11/04/98	11/03/98
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	06/02/99	05/26/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	9	11/23/99	11/10/99
1330-20-7	XYLENES	< 2.0000	< 2.0000	ug/L	2.0000			< 2.0000	10	05/24/00	05/24/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	11	12/05/00	11/30/00
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	12	06/11/01	06/06/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	13	11/22/01	11/14/01
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	14	05/31/02	05/22/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	15	12/03/02	11/20/02
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	16	06/02/03	05/21/03
1330-20-7	XYLENES	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	17	11/29/03	11/19/03



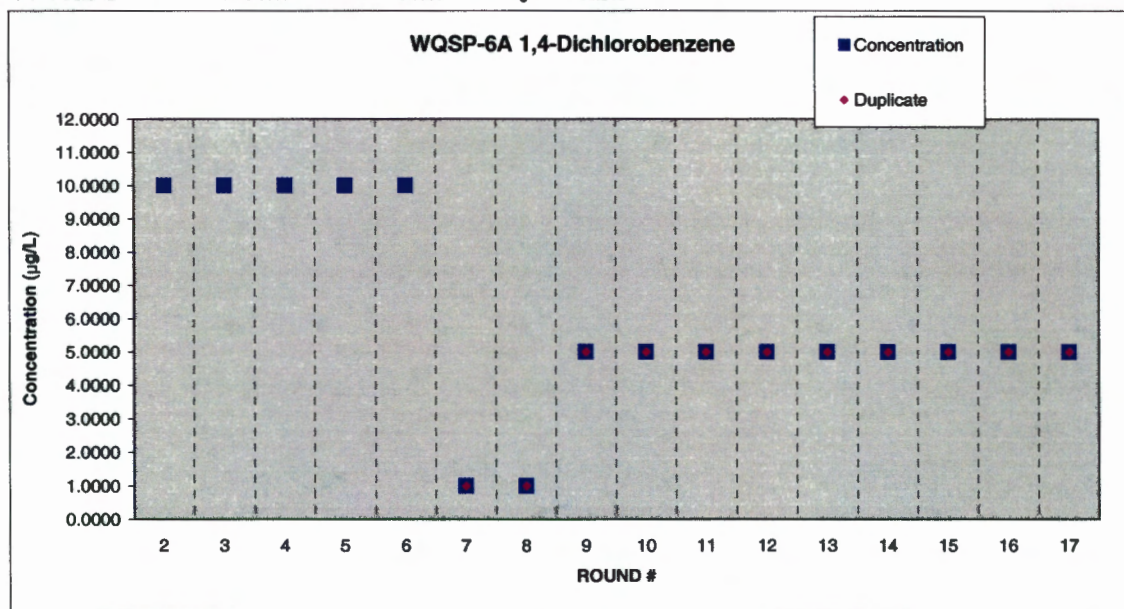
WQSP-6A 1,2-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	02/10/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
95-50-1	1,2-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	7	11/22/98	11/03/98
95-50-1	1,2-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000	< 1.0000	8	05/27/99	05/26/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	9	11/16/99	11/10/99
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	10	05/30/00	05/24/00
95-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000	< 5.0000	11	12/05/00	11/30/00
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				12	06/18/01	06/06/01
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
45-50-1	1,2-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



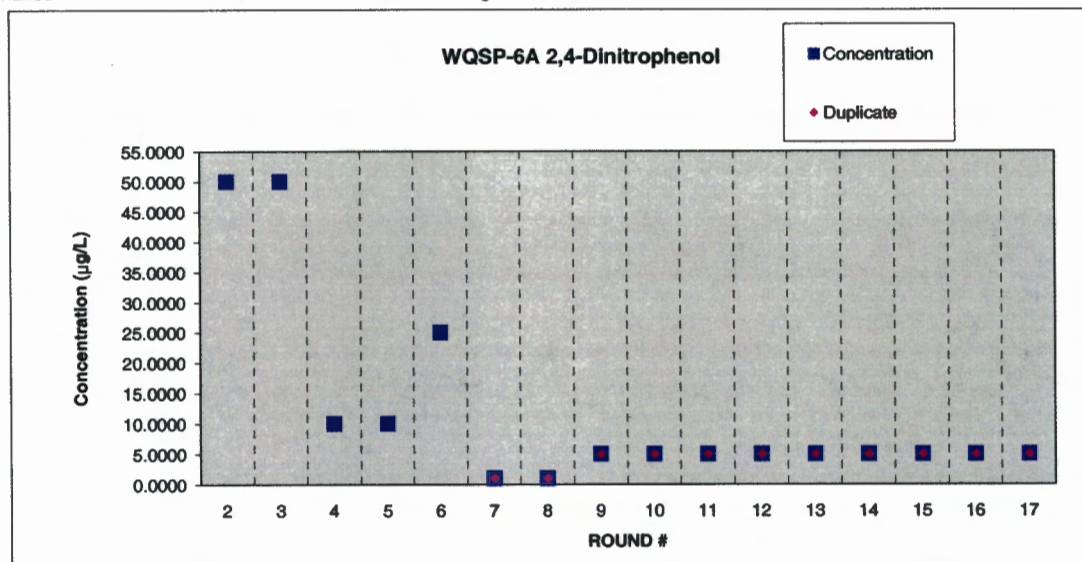
WQSP-6A 1,4-Dichlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	02/12/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
106-46-7	1,4-DICHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/12/98	06/10/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/22/98	11/03/98
106-46-7	1,4-DICHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/08/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
106-46-7	1,4-DICHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



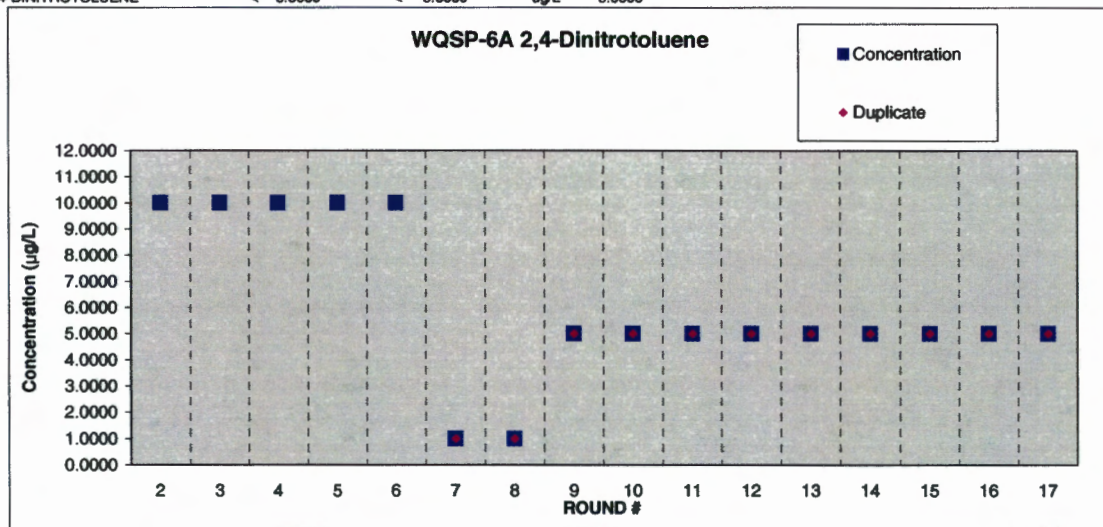
WQSP-6A 2,4-Dinitrophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	11/08/96	02/25/97
51-28-5	2,4-DINITROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	07/17/96	07/11/96
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
51-28-5	2,4-DINITROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
51-28-5	2,4-DINITROPHENOL	< 25.0000		ug/L	25.0000			< 25.0000	6	06/22/98	06/10/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 0.0010	7	11/22/98	11/03/98
51-28-5	2,4-DINITROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/06/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
51-28-5	2,4-DINITROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



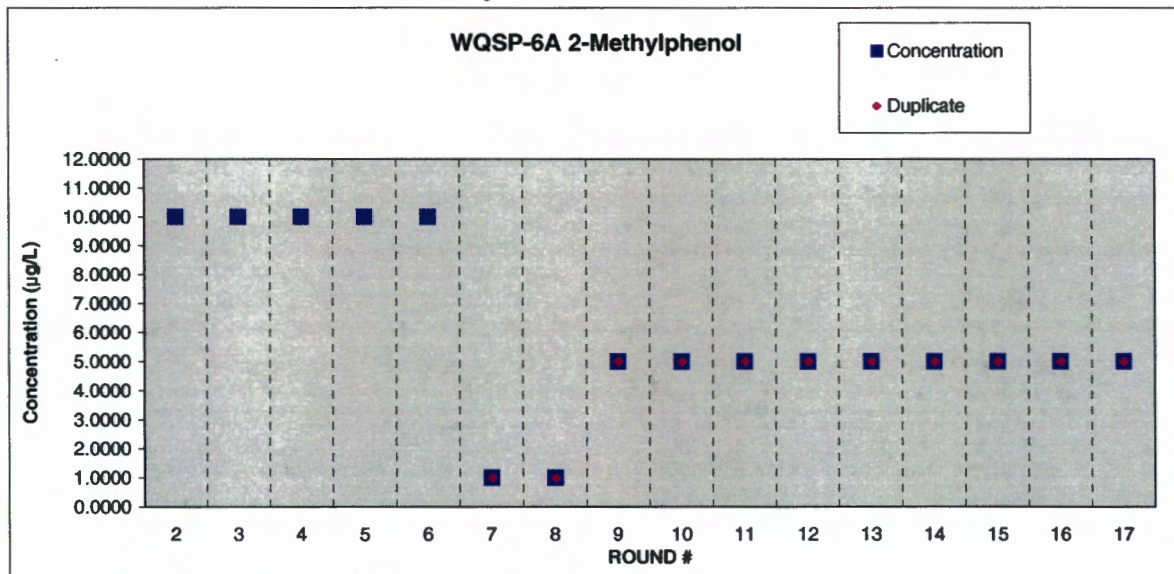
WQSP-6A 2,4-Dinitrotoluene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	02/26/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
121-14-2	2,4-DINITROTOLUENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/22/98	11/03/98
121-14-2	2,4-DINITROTOLUENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/06/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
121-14-2	2,4-DINITROTOLUENE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



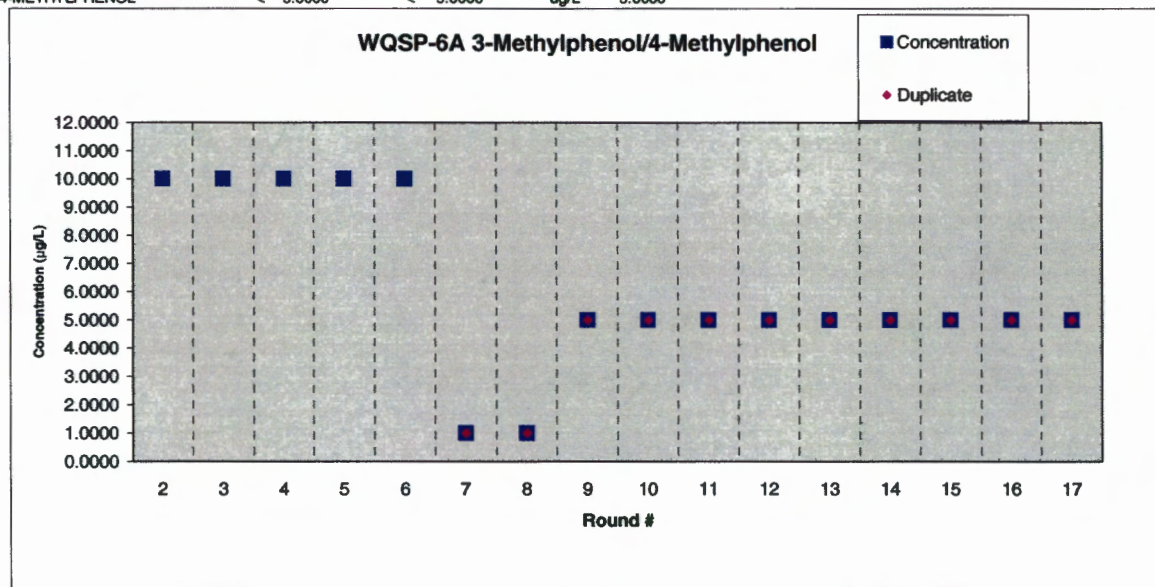
WQSP-6A 2-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	03/19/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
95-48-7	2-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	11/22/98	11/03/98
95-48-7	2-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/27/99	05/26/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/16/99	11/10/99
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/30/00	05/24/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	12/05/00	11/30/00
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	06/18/01	06/06/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
95-48-7	2-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



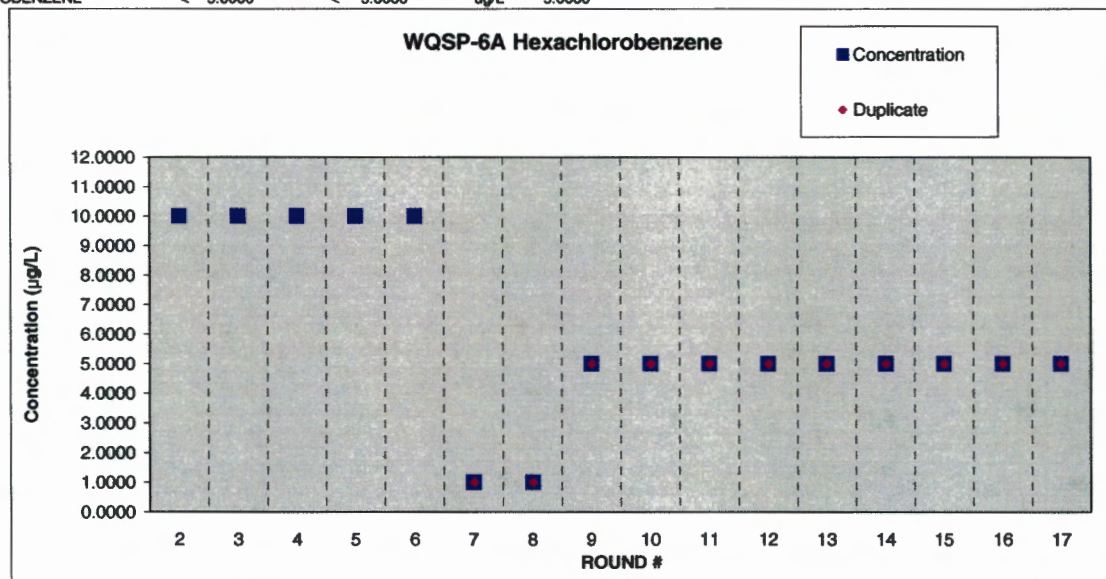
WQSP-6A 3-Methylphenol/4-Methylphenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	03/20/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
108-39-4/106-44-5	3+4-METHYLPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	11/22/98	11/03/98
108-39-4/106-44-5	3+4-METHYLPHENOL	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/27/99	05/26/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/16/99	11/10/99
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/30/00	05/24/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	12/05/00	11/30/00
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	06/18/01	06/06/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	13	11/28/01	11/14/01
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
108-39-4/106-44-5	3+4-METHYLPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



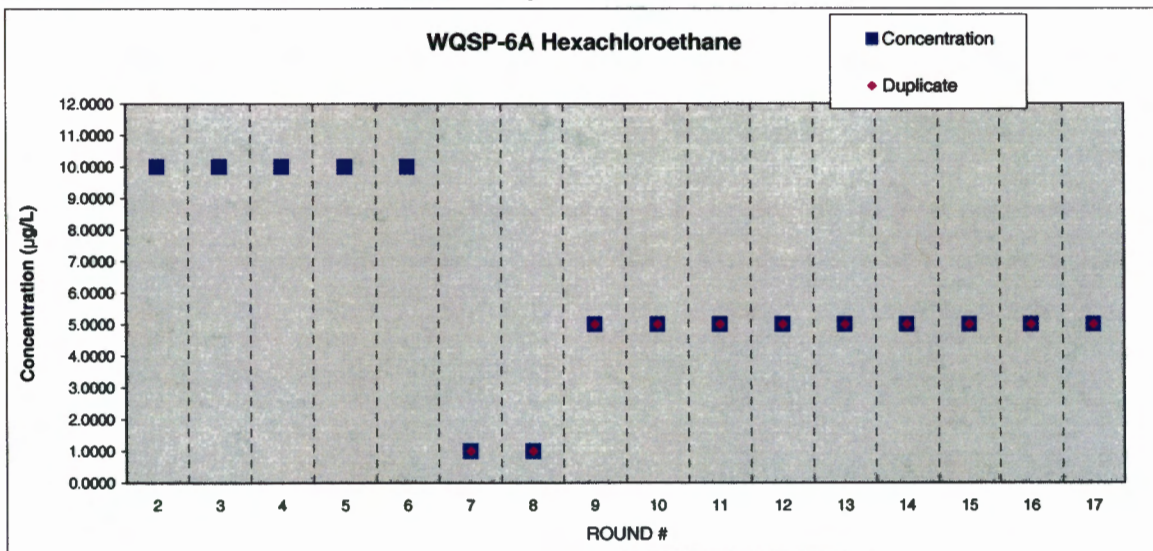
WQSP-6A Hexachlorobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	03/06/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
118-74-1	HEXACHLOROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/22/98	11/03/98
118-74-1	HEXACHLOROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/06/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
118-74-1	HEXACHLOROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



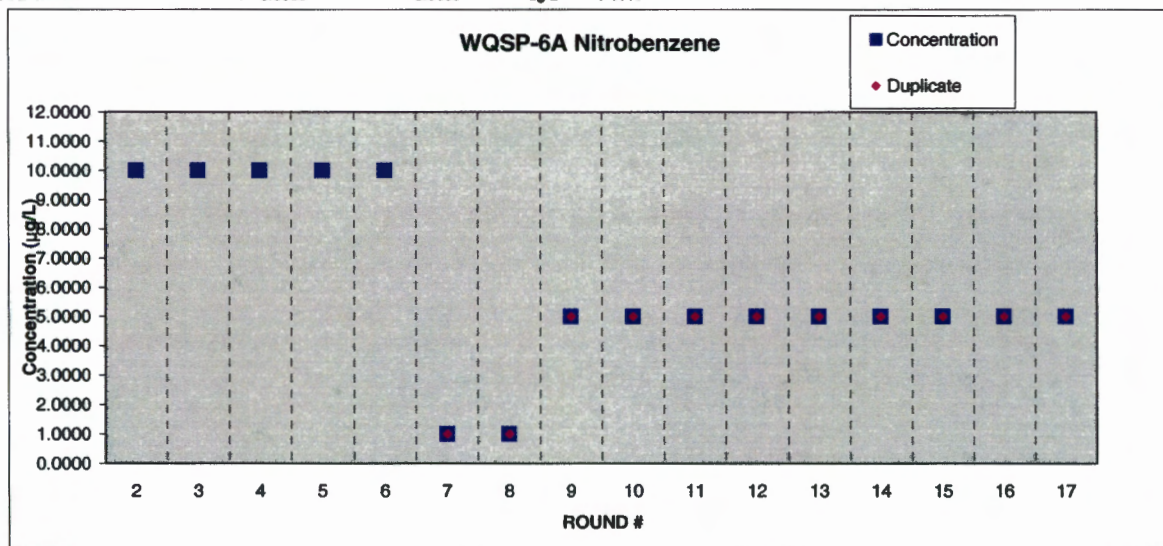
WQSP-6A Hexachloroethane

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	03/09/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
67-72-1	HEXACHLOROETHANE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/22/98	11/03/98
67-72-1	HEXACHLOROETHANE	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/06/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
67-72-1	HEXACHLOROETHANE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



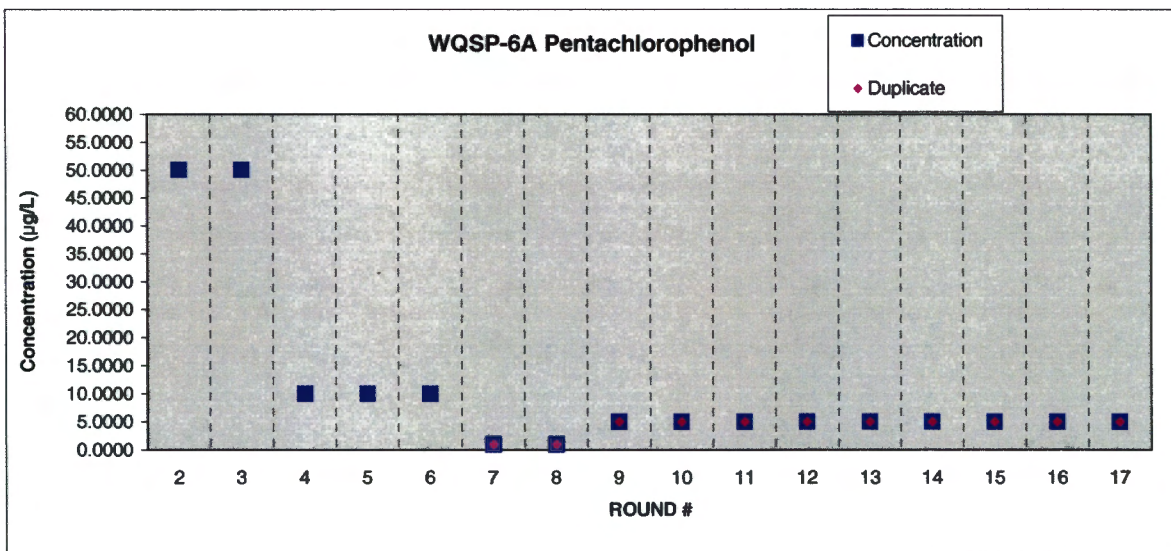
WQSP-6A Nitrobenzene

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		2	11/08/96	03/28/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/17/96	07/11/96
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
98-95-3	NITROBENZENE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	11/22/98	11/03/98
98-95-3	NITROBENZENE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/27/99	05/26/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/16/99	11/10/99
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/30/00	05/24/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	12/05/00	11/30/00
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	08/18/01	06/06/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
98-95-3	NITROBENZENE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



WQSP-6A Pentachlorophenol

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
=	=	=	=	=	=	=	=	=	=	=	=
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		2	11/08/96	04/14/97
87-86-5	PENTACHLOROPHENOL	< 50.0000		ug/L	50.0000		< 50.0000		3	07/17/96	07/11/96
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/10/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000		< 10.0000		5	07/26/97	07/10/97
87-86-5	PENTACHLOROPHENOL	< 10.0000		ug/L	10.0000			< 10.0000	6	06/22/98	06/10/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	7	11/22/98	11/03/98
87-86-5	PENTACHLOROPHENOL	< 1.0000	< 1.0000	ug/L	1.0000			< 1.0000	8	05/27/99	05/26/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	9	11/16/99	11/10/99
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	10	05/30/00	05/24/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	11	12/05/00	11/30/00
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000			< 5.0000	12	06/18/01	06/06/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
87-86-5	PENTACHLOROPHENOL	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03



WQSP-6A Pyridine

CAS #	PARAMETER	Concentration	VALUE Duplicate	UNITS	MINIMUM DETECTION LIMIT	95th UTLV	ACID BLANK (AVERAGE)	WATER BLANK (AVERAGE)	ROUND #	DATE ANALYZED	DATE SAMPLED
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		2	10/25/96	10/10/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		3	07/10/96	06/27/96
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		4	04/22/97	04/03/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000		< 10.0000		5	07/25/97	06/25/97
110-86-1	PYRIDINE	< 10.0000		ug/L	10.0000			< 10.0000	6	06/10/98	06/03/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		7	10/26/98	10/21/98
110-86-1	PYRIDINE	< 1.0000	< 1.0000	ug/L	1.0000		< 1.0000		8	05/21/99	05/19/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		9	11/08/99	11/03/99
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		10	05/30/00	05/24/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		11	12/05/00	11/30/00
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000		< 5.0000		12	06/18/01	06/06/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				13	11/28/01	11/14/01
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				14	05/29/02	05/22/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				15	12/03/02	11/20/02
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				16	06/18/03	05/21/03
110-86-1	PYRIDINE	< 5.0000	< 5.0000	ug/L	5.0000				17	12/03/03	11/19/03

